



# INSTALLATION INSTRUCTIONS

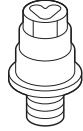
Accessory  
**ENGINE BLOCK HEATER**  
P/N 08T44-SNA-101

Application  
**2014 MDX**

Publications No.  
**BII 48825**  
Issue Date  
**MAY 2013**

## PARTS LIST

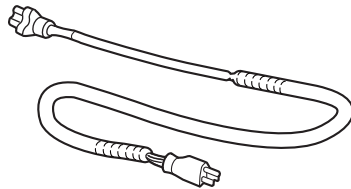
Engine block heater



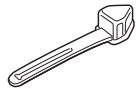
Aluminum washer



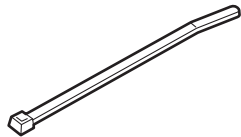
Heater harness



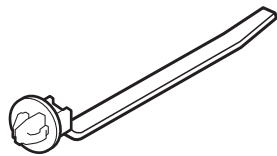
Protective cap



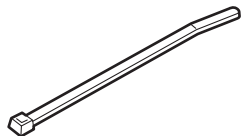
12 Black wire ties  
(2 Not used)



7 Wire ties with clip  
(6 Not used)



5 Natural wire ties  
(2 Not used)



## TOOLS AND SUPPLIES REQUIRED

Phillips screwdriver

Ratchet

10 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 (Acura Long Life Antifreeze/Coolant Type 2)

Blanket

Fender cover

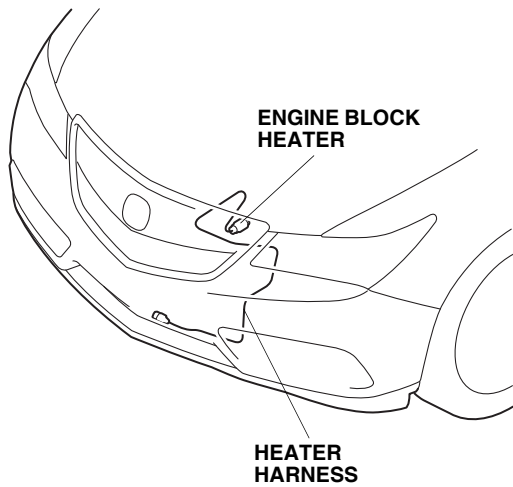
Tape

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)

**Illustration of the Engine Block Heater Installed on the Vehicle**



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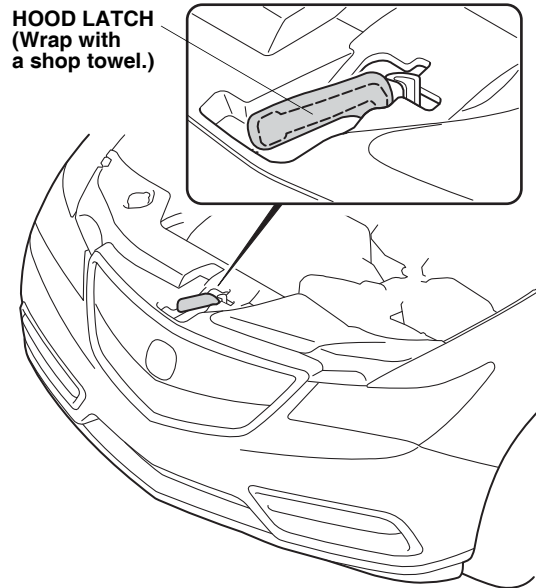
**INSTALLATION**

**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:**

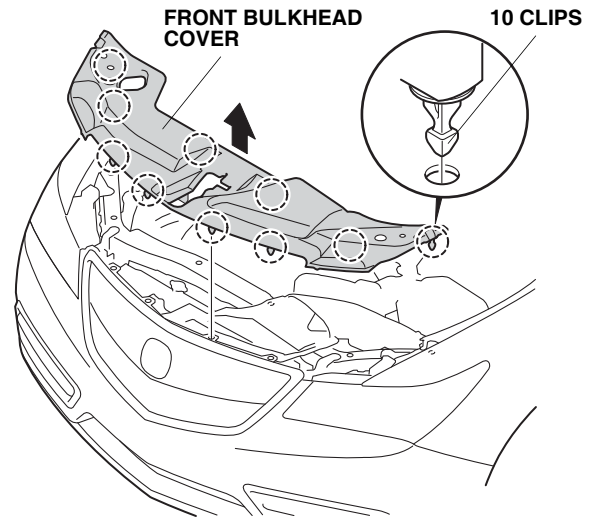
- Always use Acura Long Life Antifreeze/Coolant Type 2. Using a non-Acura coolant can result in corrosion, causing the cooling system to malfunction or fail.
  - To avoid burning out the element, do not operate the engine block heater until it is installed in the vehicle and you have added coolant.
1.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

2. Disconnect the negative cable:
  - Wrap a shop towel around the hood latch.



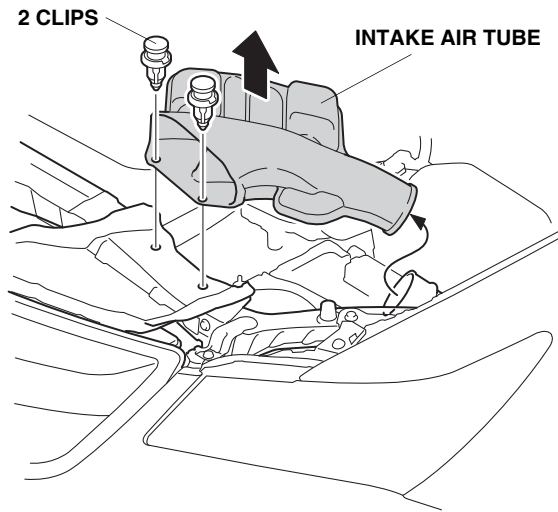
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- Remove the front bulkhead cover (10 clips).



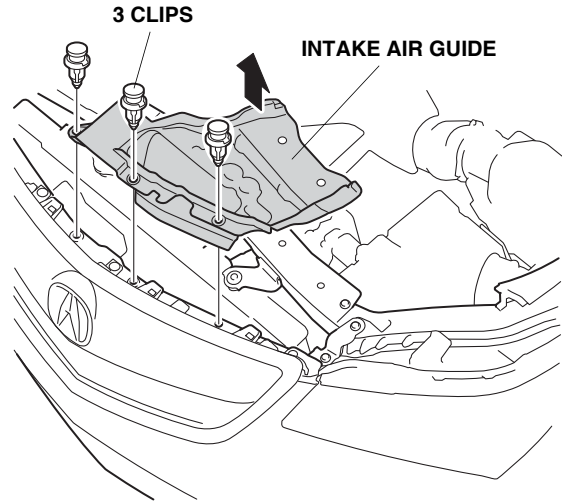
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- Remove the intake air tube (two clips).
- Disconnect the negative cable from the battery.



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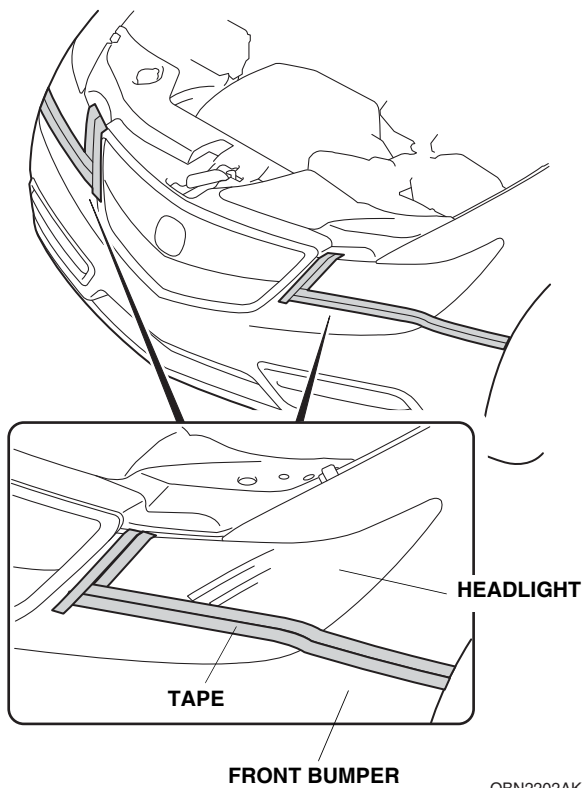
- Remove the intake air guide (three clips).



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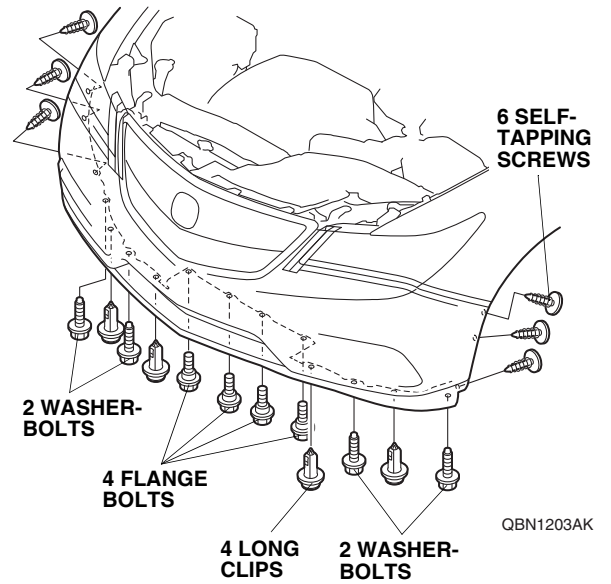
3. Remove the front bumper:

- Attach tape to the areas shown on each side.



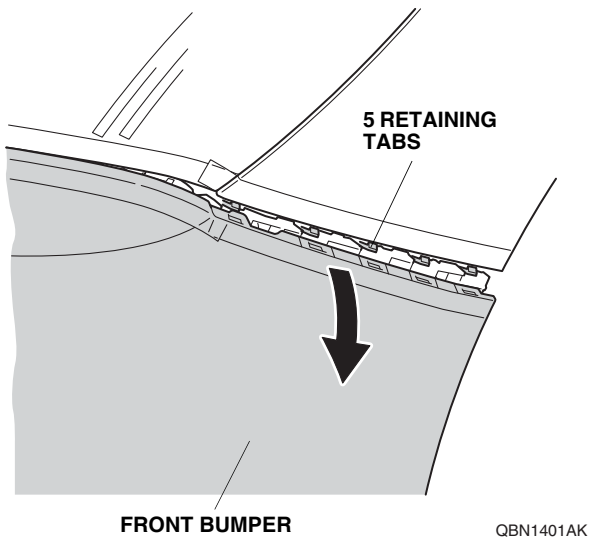
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- Remove six self-tapping screws, four long clips, four washer-bolts, and four flange bolts.

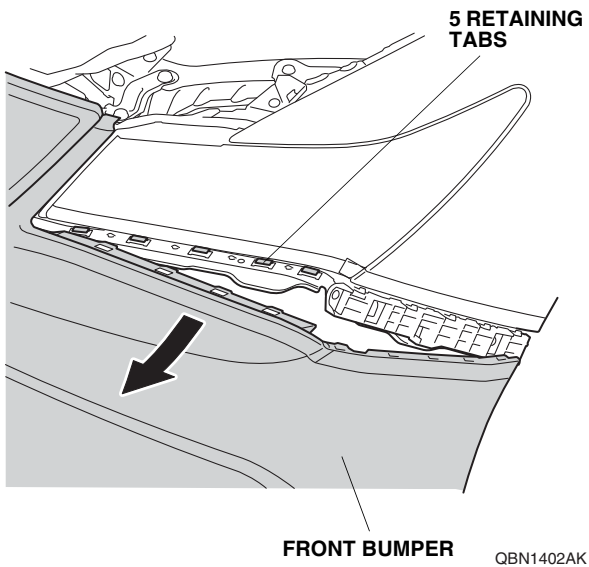


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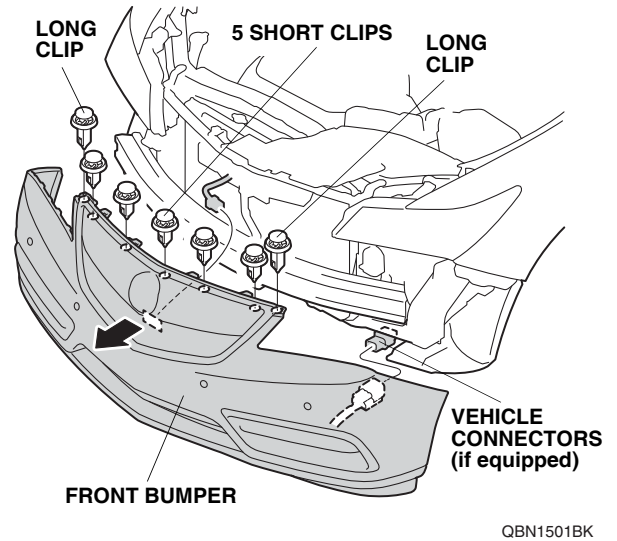
- Release five retaining tabs on each side.



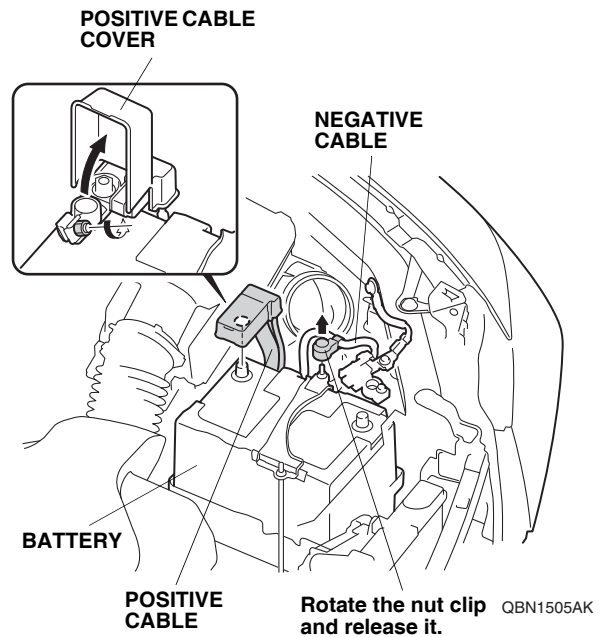
- With the help of an assistant, release five retaining tabs on each side.



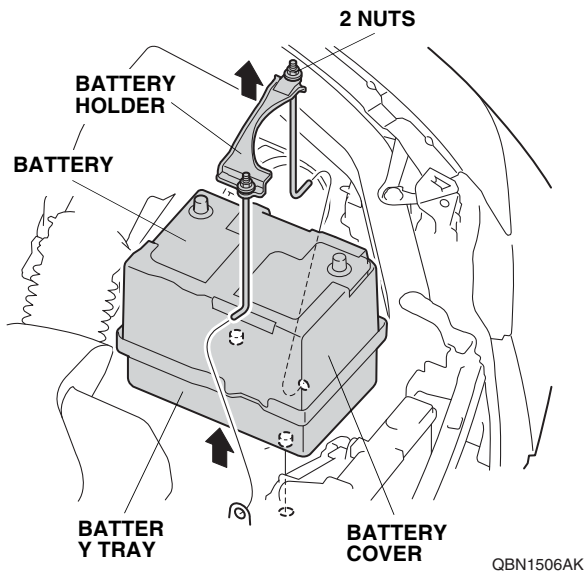
- With the help of an assistant, remove the front bumper (five short clips, two long clips, and unplug the vehicle connectors). Place the front bumper on the blanket to prevent damage.



4. Open the positive cable cover, and disconnect the positive cable from the battery. Release the nut clip on the negative cable.

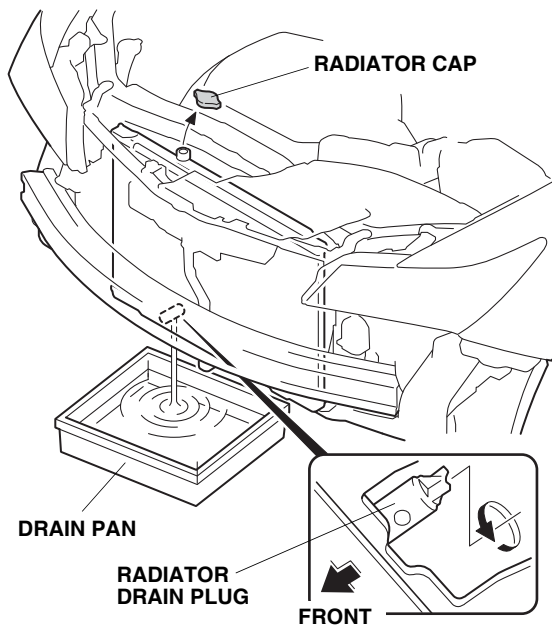


- Remove the battery (two nuts, battery holder, battery cover, and battery tray).



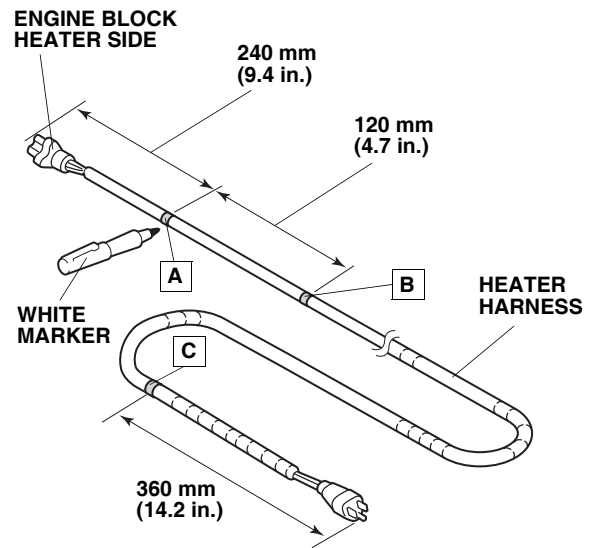
- Place a clean drain pan under the radiator drain plug, then remove the drain plug from the bottom of the radiator to drain the coolant. Remove the radiator cap to increase the flow.

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

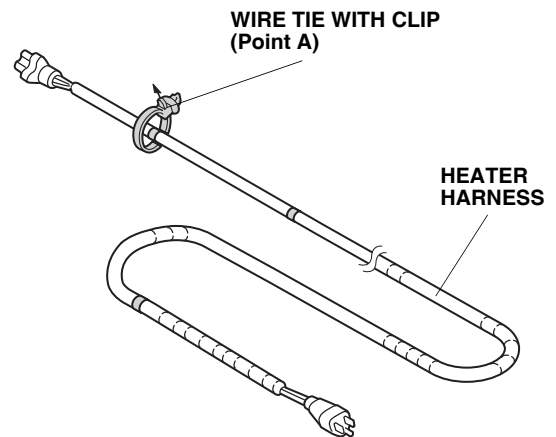


- Drain the coolant completely, then reinstall the radiator cap.

- Get the heater harness. Using a tape measure, mark the heater harness at the measurements [A], [B], and [C].

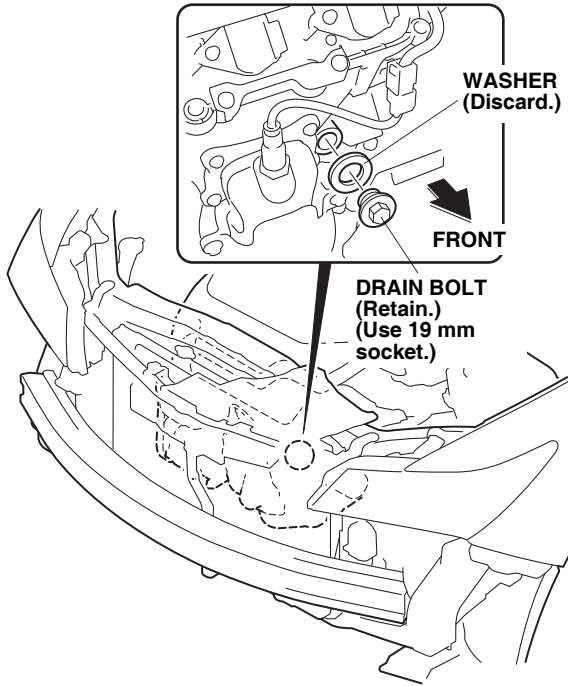


- Install one wire tie with clip to the heater harness at the measurement [A].



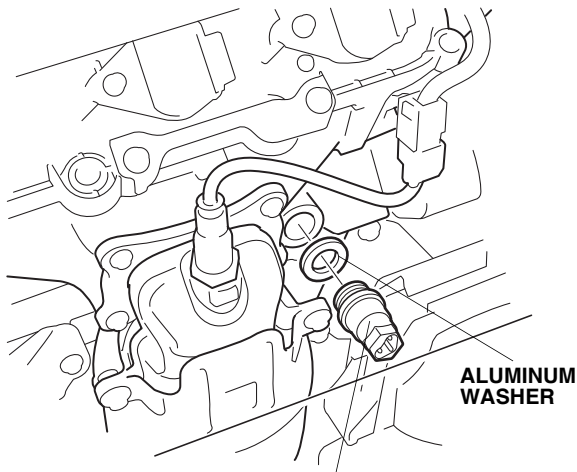
- Locate and remove the drain bolt and washer. Coolant remaining in the engine jackets flows out of the hole when the drain bolt is removed. Retain the drain bolt; it will be used if the engine block heater is removed.

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



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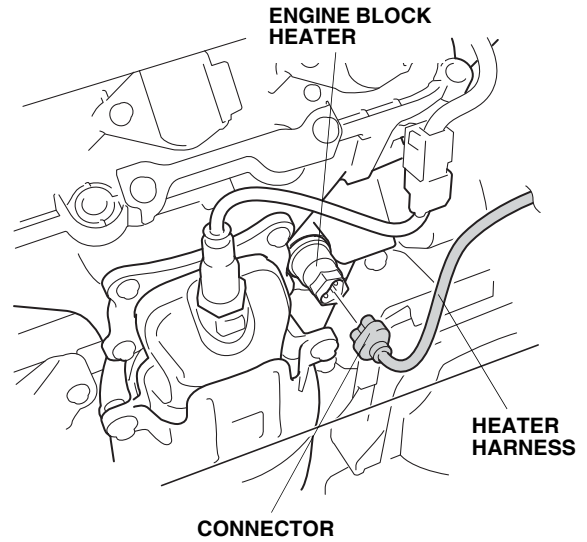
- Install the engine block heater with the aluminum washer into the bolt hole using a 24 mm socket. Torque the engine block heater to 80 N·m (8.2 kgf·m, 59 lbf·ft).



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

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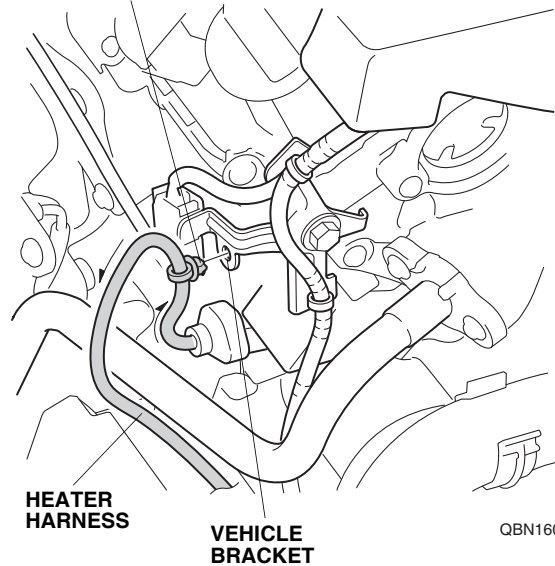
- Plug the heater harness connector into the engine block heater. Make sure the heater harness connector is fully seated in the engine block heater.



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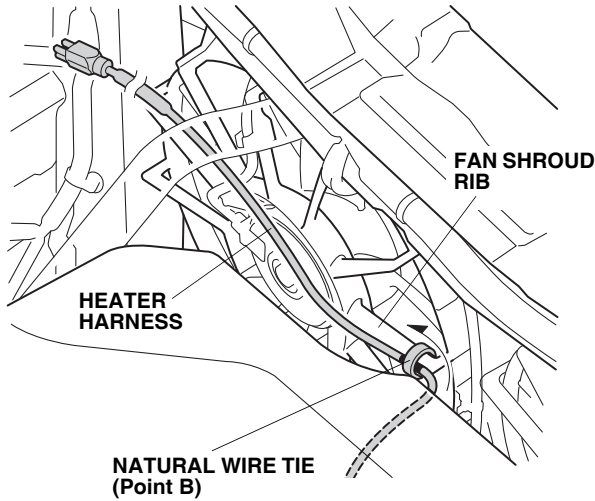
- Route the heater harness in the direction shown, and secure the heater harness to the vehicle bracket with one wire tie with clip installed in step 9.

**WIRE TIE WITH CLIP**  
(Installed in step 9.)



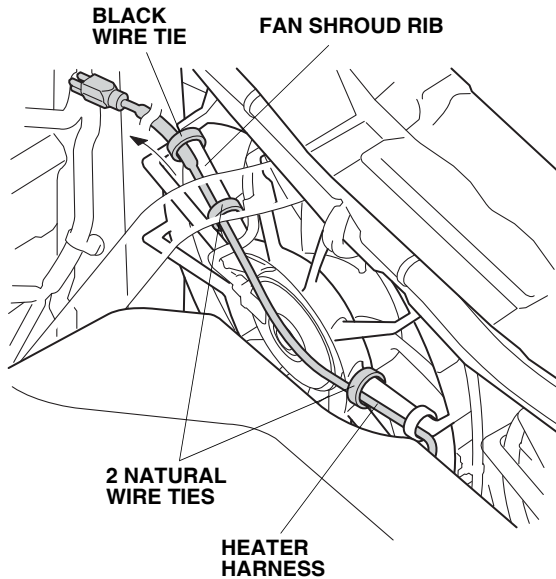
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14. Route the heater harness toward the fan shroud, and secure the heater harness to the fan shroud rib with one natural wire tie at the point **B**.



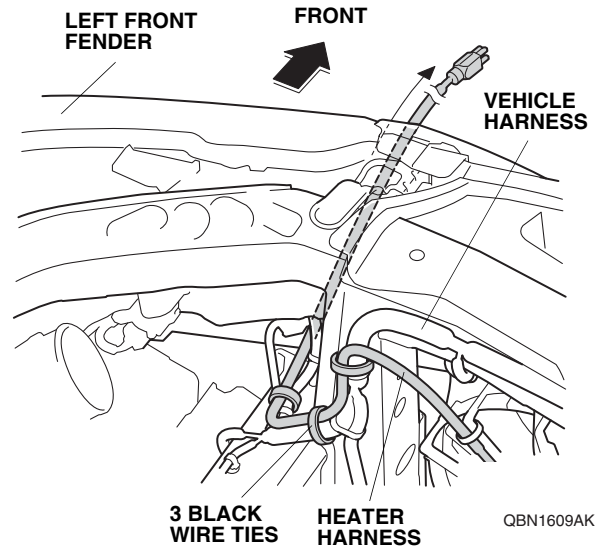
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15. Route the heater harness across the fan shroud, and secure the heater harness to the fan shroud ribs with two natural wire ties and one black wire tie.



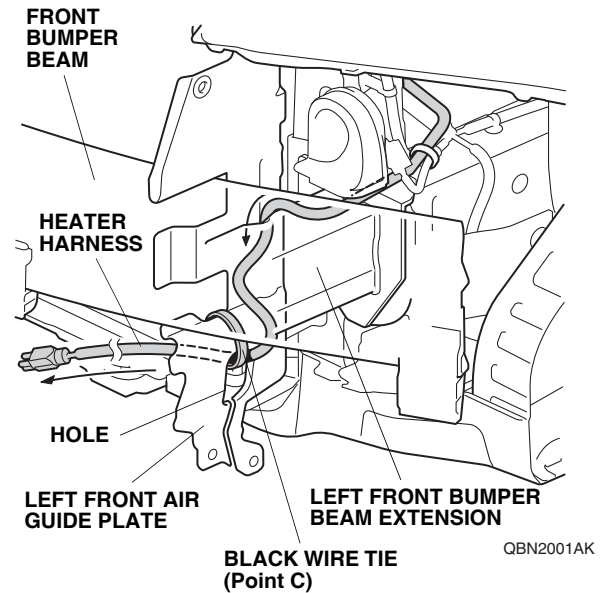
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16. Route the heater harness through the front bulkhead, and secure the heater harness to the vehicle harness with three black wire ties.



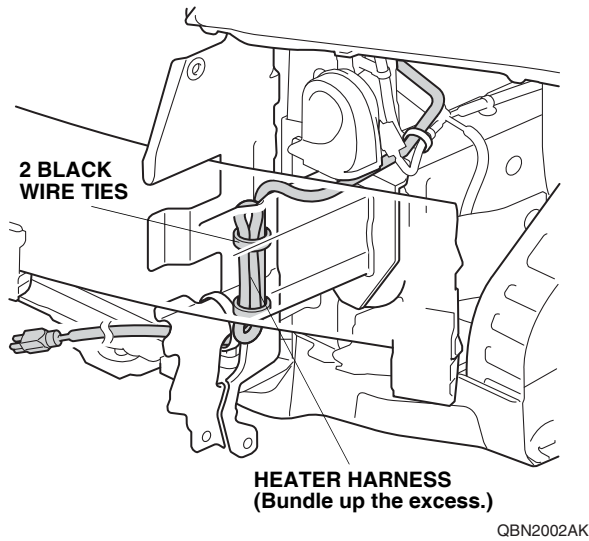
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17. Route the heater harness down under the front bumper beam, and secure the heater harness to the left front air guide plate hole with one black wire tie at the point **C**.

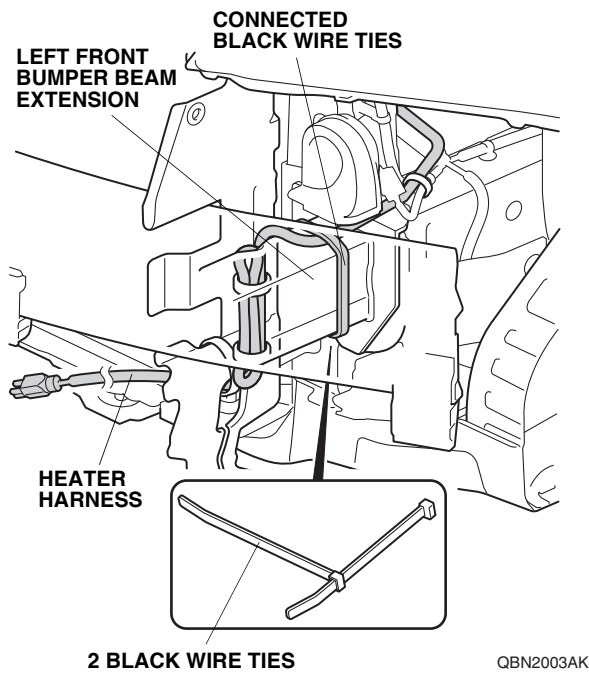


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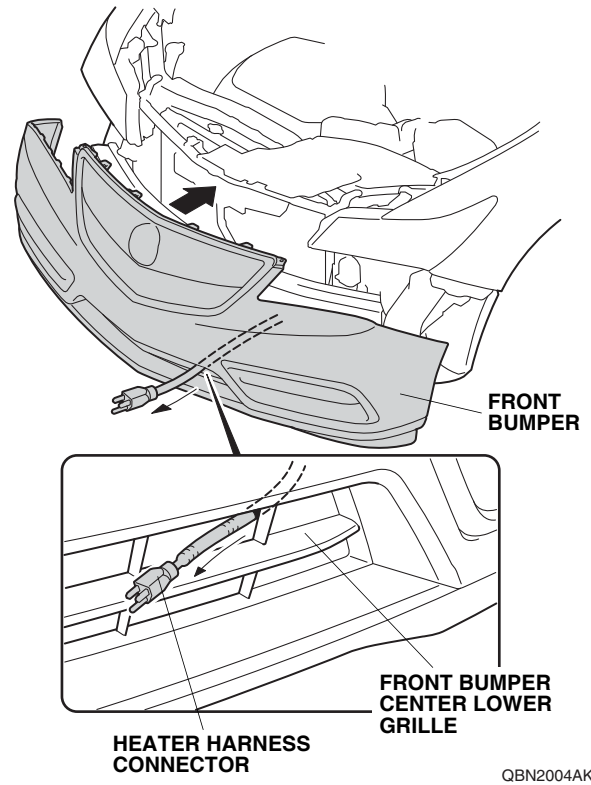
18. Bundle up the excess heater harness, and secure it with two black wire ties.



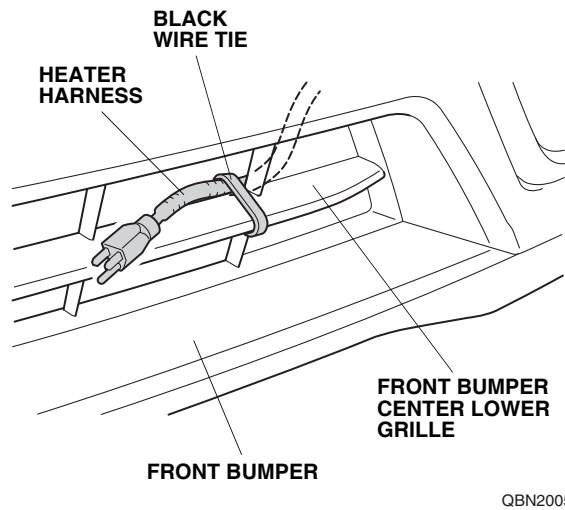
19. Connect two black wire ties together, and secure the heater harness to the left front bumper beam extension with the connected black wire ties.



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

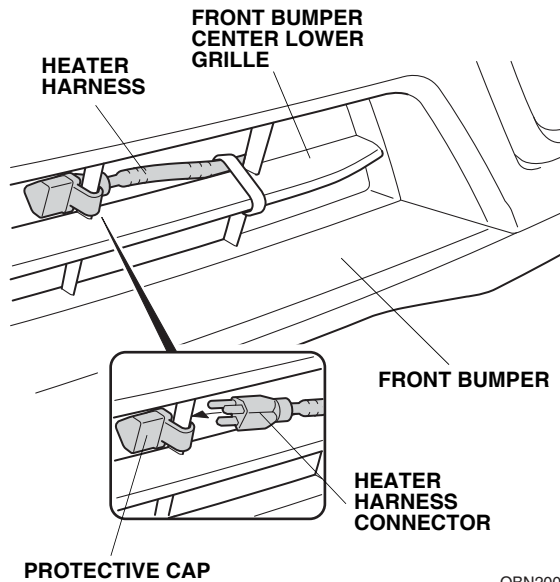


21. Secure the heater harness to the front bumper center lower grille with one black wire tie.





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



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23. Reinstall all removed parts except for the front bulkhead cover and the intake air tube.
24. Reinstall the radiator drain plug.
25. 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 leaks. Particularly check that there is no leak around the engine block heater.
26. Make sure that the heater harness is routed properly and all connectors are plugged in.
27. Reinstall the radiator cap.
28. Put the drain bolt (removed in step 10) in the glove box.
29. Reconnect the negative cable to the battery.
30. Reinstall the front bulkhead cover and the intake air tube.
31. Press and hold the radio power button for two seconds to restore radio and navi (if equipped) system functions.
32. Reset the clock.
33. Restore the systems back to normal operation as described in the Service Manual if necessary.