



# INSTALLATION INSTRUCTIONS

Accessory

ENGINE BLOCK HEATER  
P/N 08T44-S5B-100

Application

2005 CIVIC HYBRID

Publications No.

All 27999

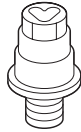
Issue Date

AUG 2004

## PARTS LIST

NOTE: Installation of the engine block heater requires that the vehicle be raised on a hoist and that the coolant be replaced. This installation should only be done only by an authorized Honda Dealer.

Engine block heater



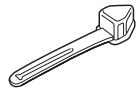
Aluminium washer



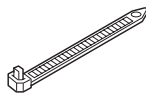
Heater harness



Protective cap



12 Wire ties



## TOOLS AND SUPPLIES REQUIRED

Phillips screwdriver

Ratchet

19 mm and 24 mm Sockets

Torque wrench

Wrench (1/2 inch)

Diagonal cutters

Blanket

Drain pan

Coolant (Honda All Season Antifreeze/Coolant Type 2)

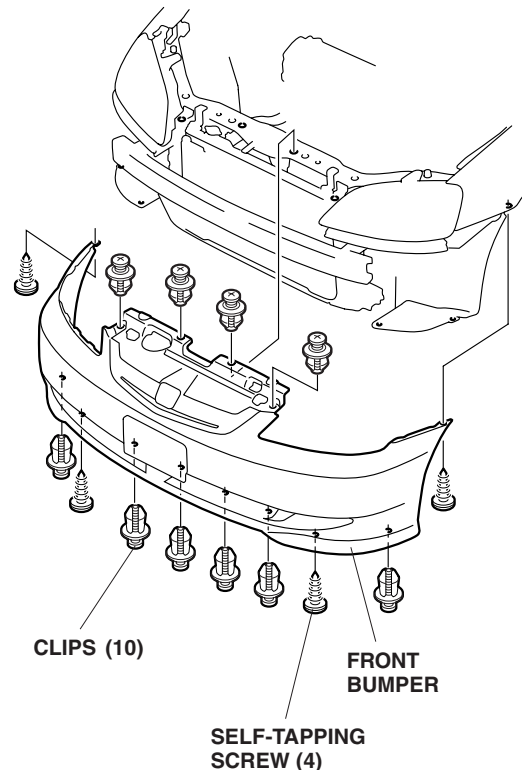
## NOTE:

- 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 before it is installed in the vehicle or before you add coolant.

## INSTALLATION

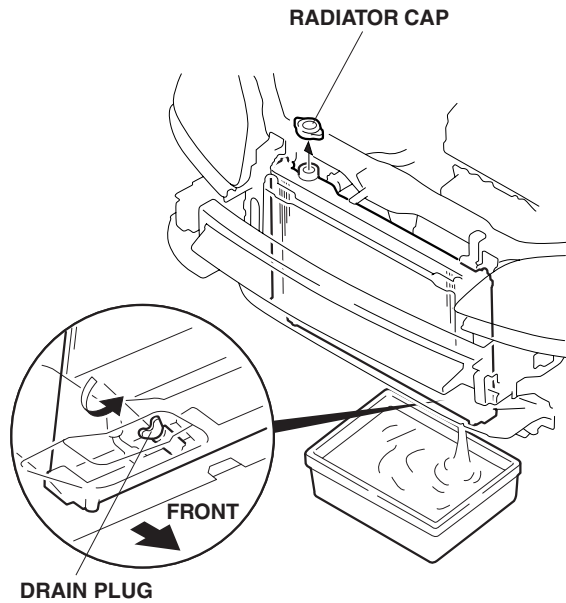
**Customer Information:** The information in this installation instruction is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your vehicle. These procedures should not be attempted by “do-it-yourselfers.”

1. Allow the engine and all cooling system components to cool down.
2. Remove the front bumper (ten clips and four self-tapping screws). Set the bumper on a blanket to prevent damage.

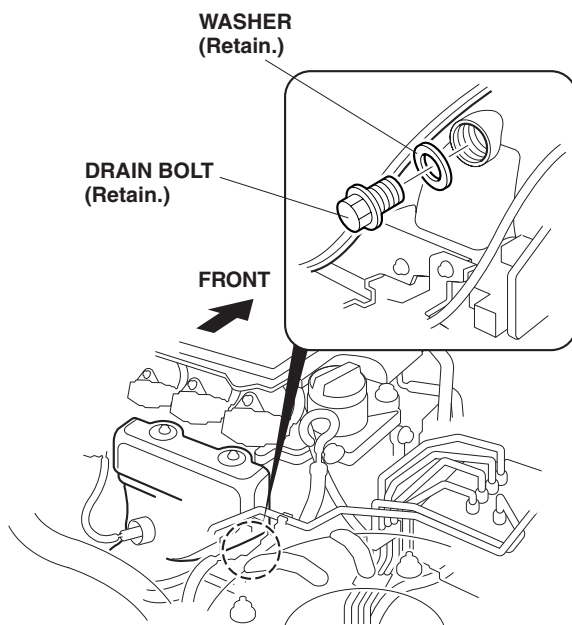


- Place a clean drain pan under the radiator drain plug, and then remove the drain plug from the bottom of the radiator to drain the coolant. Remove the radiator cap to increase the flow.

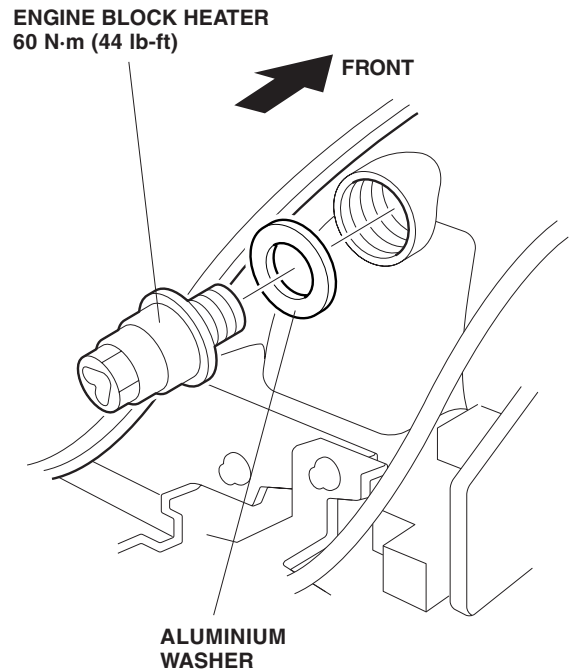
**NOTE** Radiator coolant will damage paint. Quickly rinse any spilled coolant from painted surfaces.



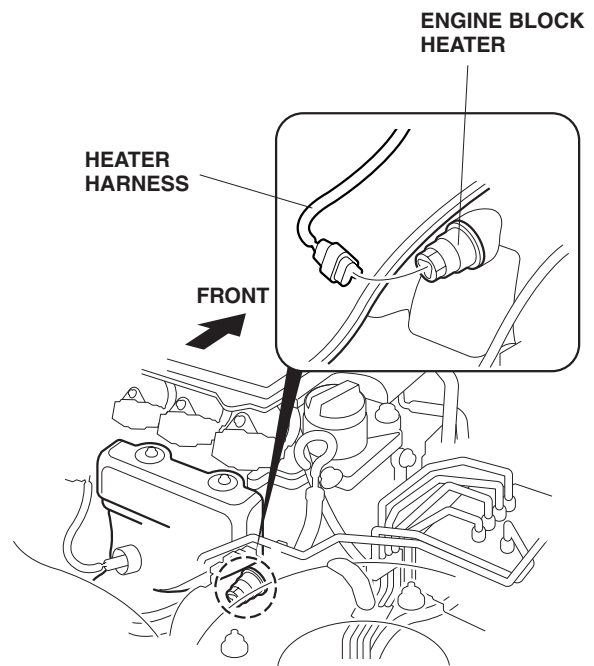
- On the rear of the engine, locate and remove the engine block drain bolt and washer. Coolant remaining in the engine jackets will flow out of the bolt hole when the bolt is removed. (Retain the drain bolt and washer in case the engine block heater is removed.)



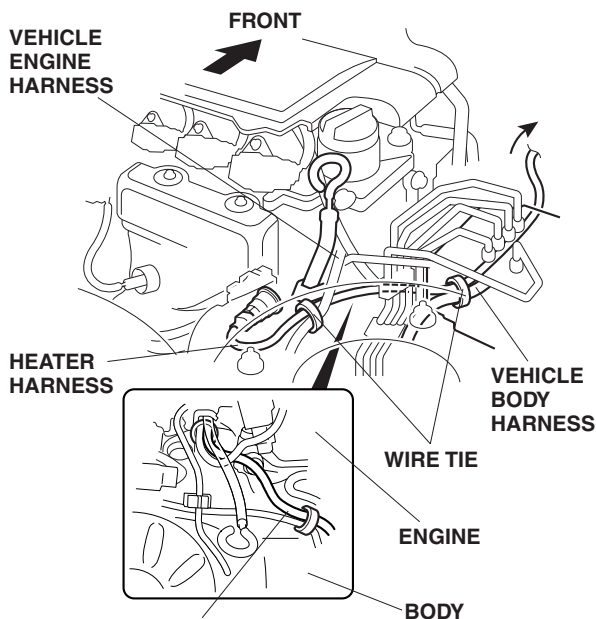
- Install the new aluminium washer and the engine block heater into the bolt hole using a 24 mm socket and a torque wrench. Torque the engine block heater to 60 N·m (44 lb-ft).



- Plug the connector of the heater harness into the engine block heater.

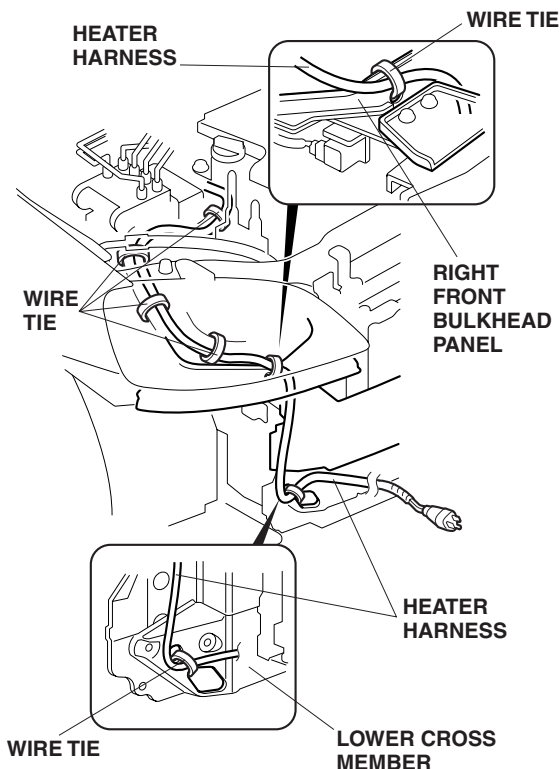


7. Route the heater harness along the vehicle engine harness and vehicle body harness, and secure it to the vehicle harness with two wire ties.

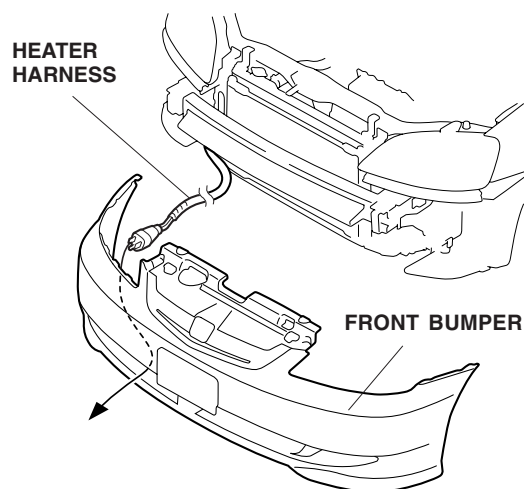


Provide a little slack in the heater harness before you secure it with the wire ties.

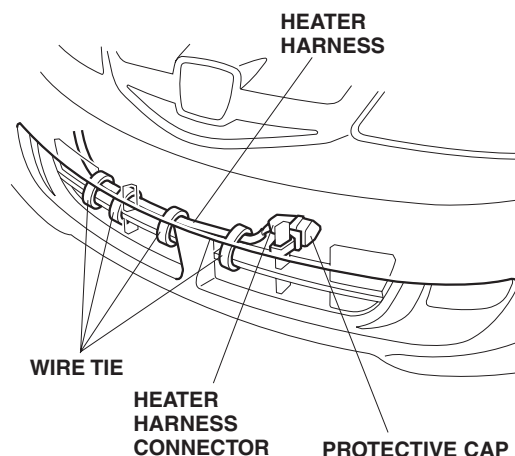
8. Route the heater harness connector out through the opening under the right headlight, and secure the harness to the vehicle harness hole in the right front bulkhead panel and lower cross member with the six wire ties as shown.



9. Route the heater harness through the front bumper grille, then reinstall the front bumper.



10. Continue routing the heater harness to the left, along the front bumper grille, and secure it to the bumper grille with four wire ties in the areas shown.



11. Attach the protective cap to the front bumper grille, and plug the connector of the heater harness into the protective cap.
12. Reinstall the radiator drain plug.
13. Fill the system with the recommended coolant according to the procedures in the Service Manual.
14. Check the coolant reservoir for correct level and signs of leakage. Repair as necessary.
15. Check that the heater harness is routed properly and all connectors are plugged in.
16. Give the drain bolt and washer (removed in step 4) to your customer.