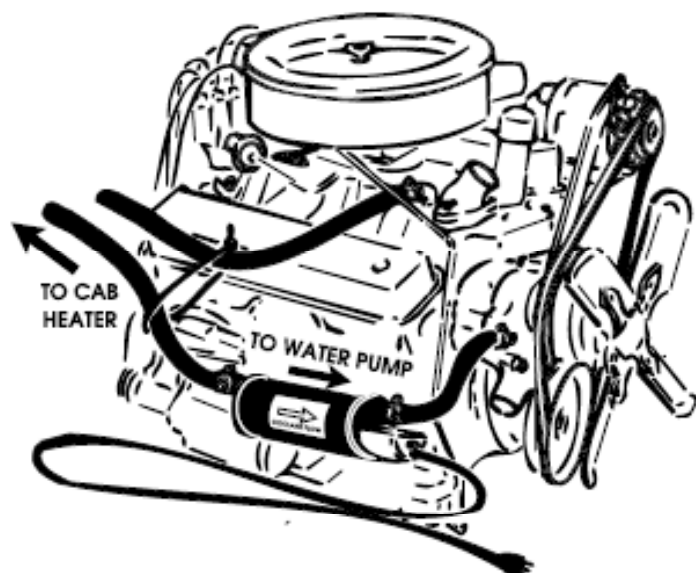


**NO NEED TO DRAIN COOLANT!
KAT'S ENGINE HEATERS ARE EQUIPPED WITH
AUTOMATIC THERMOSTATS TO GIVE
MAXIMUM PROTECTION AND CONTROLLED HEAT
850 WATTS - 120 VOLTS**



**INSTRUCTIONS
FOR INSTALLING AND OPERATING**

1. Remove the radiator cap
2. Install the heater in a horizontal position in the hose line that returns the coolant to the water pump from the cab heater. Heater must be mounted a minimum of 4" below the outlet of the cab heater. The lower the heater is mounted, the better the circulation.

It is not necessary to drain the coolant to install this heater. Hose can be clamped with two locking type pliers before cutting. It may be necessary to add hose between cab heater and engine heater to comply with instruction number 2.

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CAUTION
**NOT RECOMMENDED FOR
ANY ENGINE, AMERICAN OR
FOREIGN, UNLESS SPECIFICALLY
LISTED**

CAUTION
**NOT RECOMMENDED FOR
ANY MAKE OR MODEL ENGINE
ON WHICH THE CAB HEATER
RETURN HOSE IS ROUTED TO
THE RADIATOR, OR ON
ENGINES EQUIPPED WITH
A VACUUM CONTROLLED
HEATER VALVE THAT IS
INOPERABLE UNLESS THE
ENGINE IS OPERATING**

3. After cutting hose, place a gear type clamp on each hose end. Install engine heater into heater hose with the arrow on the heater pointing toward the water pump. Make sure that the engine heater is positioned so that both inlet and outlet are on the top side. Arrow must point in direction of normal water flow. If installed improperly, neither the cab heater nor engine heater will function properly.
4. Place clamps into position and secure. If necessary, use furnished tie down straps on heater hose to help support engine heater. Do not place tie downs on engine heater housing. Replace radiator cap. Place the electric cord from heater through radiator grill or other convenient opening and tape or fasten in position, making sure it is clear of all moving parts (fan blades) and heated parts (manifold).
5. With the heat control on dashboard set at maximum heat, run engine until thermostat opens to insure that water is in the heater prior to engine heater operation. (The dashboard heater control must be set at maximum heat when engine heater is in operation.)
6. Bleed the air from the engine block, hoses and heater housing before connecting the engine heater to the power supply.
7. Connect the engine heater to the proper voltage outlet. The heater is thermostatically controlled and can be operated all night or for several hours prior to starting the engine.
8. This heater is equipped with a three prong (grounding) plug and should be connected to a properly grounded circuit.
9. If an extension cord is used in conjunction with this heater, be certain that the wire size of the extension cord is of adequate size for the wattage of the heater and distance from the receptacle to the heater. Consult a licensed electrician if further information is required.