

Instructions for:
In-block heaters
Please refer to specific instructions that accompany heater.

THREADED PLUG TYPE HEATERS



- A. Drain the cooling system.
- B. Remove the recommended core plug. (See instructions with heater)
- C. Apply teflon tape to pipe threads or grease to O-ring.
- D. Thread heater into engine.

Please follow these steps to ensure proper operation of your HOTSTART in-block heater.

1. Align cord with pins on the heater and press the cord into the heater. Place clamp around cord & heater. **DO NOT PLUG IN HEATER YET!**
2. Route the cord, keeping away from hot or moving surfaces.
3. Re-fill the cooling system. Run engine until engine thermostat opens and continue running for another 20 minutes to eliminate air.
4. Stop engine and let cool. Check for leaks. Check coolant level.
5. Plug heater into power supply and test for proper operation. Block should feel warm near heater.

PLATE TYPE HEATERS



- A. Drain the cooling system.
- B. Remove the recommended plate. (See instructions with heater)
- C. Clean the gasket area.
- D. Apply gasket sealant to plate and engine surfaces.
- E. Insert heater into engine. Tighten bolts.

Please follow these steps to ensure proper operation of your HOTSTART in-block heater.

1. Align cord with pins on the heater and press the cord into the heater. Place clamp around cord & heater. **DO NOT PLUG IN HEATER YET!**
2. Route the cord, keeping away from hot or moving surfaces.
3. Re-fill the cooling system. Run engine until engine thermostat opens and continue running for another 20 minutes to eliminate air.
4. Stop engine and let cool. Check for leaks. Check coolant level.
5. Plug heater into power supply and test for proper operation. Block should feel warm near heater.

FREEZE (CORE) PLUG TYPE HEATERS



- A. Drain the cooling system.
- B. Remove the recommended core plug. (See instructions with heater)
- C. Clean, smooth and dry core plug opening.
- D. If retaining ring style, apply a light coat of grease to the O-ring and core plug opening. If press-in style, apply a light coat of high-temperature, high-strength retaining compound (Loctite 640 recommended).
- E. Insert heater into engine and position properly. Push the heater into the engine by hand, then tap in using a suitable tool until flange is even with engine block.

Please follow these steps to ensure proper operation of your HOTSTART in-block heater.

1. Align cord with pins on the heater and press the cord into the heater. Place clamp around cord & heater. **DO NOT PLUG IN HEATER YET!**
2. Route the cord, keeping away from hot or moving surfaces.
3. Re-fill the cooling system. Run engine until engine thermostat opens and continue running for another 20 minutes to eliminate air.
4. Stop engine and let cool. Check for leaks. Check coolant level.
5. Plug heater into power supply and test for proper operation. Block should feel warm near heater.