

INSTRUCTION SHEET

Engine Block Heater Kit (400 Watts, 115 Volts) For Equipment utilizing engines with 30mm freeze plug

WARNING – To avoid death or serious personal injury, never energize heater in the open air. If the heater element is energized in the air, it may burst.

CAUTION -To avoid personal injury: Allow the engine and coolant to cool down before attempting to install the block heater.

1. When the engine and coolant are fully cooled down, drain the coolant.
2. Remove the freeze plug from the engine block.
3. Clean the port in the engine block. Install the engine heater into the block by placing a 1" socket over the heater to protect the cord set collar threads and hammering the heater into the core hole. Make sure the heater body is not crooked when tapping it into the engine block.
4. Hammer the heater body into the engine core hole until the groove in the heater body is even with the outer surface of the core hole (Figure 2).
5. After installing the heater mask off the electrical connection area and paint the heater body with high temperature paint to protect against corrosion.
6. Install the electrical cord and screw the cord retention collar onto the heater body. Tie the cord away from any hot surfaces and moving parts using electrical tape or cable ties.
7. Refill the coolant to its proper level. Run the engine for 10 to 15 minutes to ensure the engine's thermostat opens and allows complete coolant circulation from the radiator to the engine block.
8. Shut off engine and check for leaks around the heater. If leaks are present, repair them immediately.



Figure 1.



Figure 2.
Installed engine heater.