

# INSTRUCTION SHEET

## Engine Block Heater Kit (400 Watts, 115 Volts)

### for equipment utilizing engines with 32mm frost 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. Drain coolant from engine block.
2. Remove frost plug from engine block. Choose one that is accessible, as close to the center of the engine as possible.
3. Clean hole in block. Install adapter bushing into block by tapping bushing lightly with plastic mallet. Make sure that the block heater adapter bushing is not crooked when tapping into the engine block. Loctite may be used to help seal the adapter bushing into the block if desired.
4. Tap the block heater bushing sufficiently so it is held securely in the engine block. Check to make sure leading edge of adapter bushing does not contact cylinder liner.
5. Put sealing tape (plumbers tape) on threads of block heater and screw into the adapter bushing. Install electrical cord on block heater. Ensure cord is clear of hot surfaces and all moving parts.
6. Replace coolant in engine block and run engine for 10 to 15 minutes to ensure that engine thermostat opens and you have circulation of coolant.
7. Check for leaks around the heater.

