

**INSTALLATION  
INSTRUCTIONS****PLATE TYPE BLOCK HEATER  
YANMAR TN SERIES****WARNING**

DO NOT plug in heater if element is not immersed in coolant. If not immersed, element sheath may burst and could result in personal injury.

**CAUTION**

USE a 50/50 solution of ethylene glycol antifreeze and water for optimum heater performance.  
DO NOT use more than 65% concentration of antifreeze, as a shortened heater life will result.  
DO NOT use heater in coolant system containing any form of stop-leak additive, as a shortened heater life will result.

**HEATER INSTALLATION PROCEDURE**

1. Drain coolant and remove frost plug indicated in photo below.

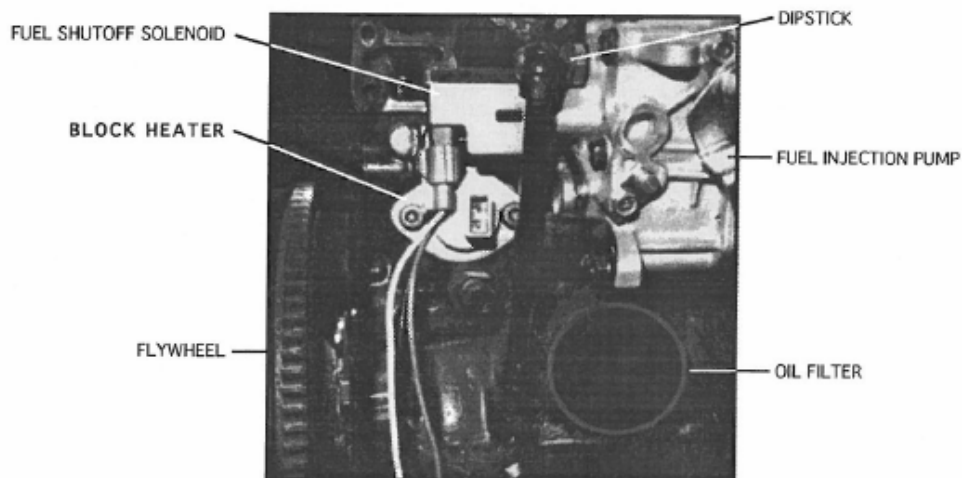
**NOTE**

Core plug must be removed from engine to prevent blockage of coolant flow.

2. Using a dry gasket, install block heater with off-center cord pocket furthest from flywheel (toward front of engine).
3. Torque bolts to 20 ft. lbs.
4. Install power cord, taking care to align pins in heater with sockets of connector on cord. Route to outside, securing where necessary to ensure that cord does not touch engine, hot pipes, or any moving parts. Connect only to 120-Volt AC properly grounded outlet.
5. Refill cooling system with good grade permanent antifreeze solution. See CAUTION note above.
6. Check for leaks.

**CAUTION**

Before applying power to heater, remove all trapped air by running engine for 5-10 minutes after the thermostat opens (normal operating temperature). Check for leaks.

**WARRANTY**

The Phillips & Temro Industries warranty statement is located on the website at [phillipsandtemro.com/terms](http://phillipsandtemro.com/terms).