

**INSTALLATION
INSTRUCTIONS****115V 400W IMMERSION HEATER
FORD FUSION****WARNING**

PERSONAL INJURY. Never operate heater if element is not immersed in coolant. Element sheath could burst and cause personal injury.

HEATER DAMAGE. Never run engine while heater is in operation. Shortened heater life will result.

HEATER DAMAGE. DO NOT use stop leak additives or improper coolant mixtures. Shortened heater life will result.

HEATER INSTALLATION PROCEDURE

1. Drain engine coolant. Flush system if necessary.
2. Remove 3/4-14 NPTF plug from upper rear side of the cover casting on engine.
3. Install heater assembly and tighten to $55 \text{ N}\cdot\text{m} \pm 4 \text{ N}\cdot\text{m}$ ($41 \text{ ft-lbs} \pm 3 \text{ ft-lbs}$).
4. Insert power cord connector firmly into socket, taking care to align pins with sockets of connector on cord. Tighten strain relief nut securely by hand.
5. Route cord to outside, securing where necessary to allow slack for engine vibration and ensure that cord does not touch engine, hot pipes, or any moving parts. Connect only to a GFCI protected 120-Volt AC outlet.
6. If an extension cord is used, it must be the three-wire grounded type. Use a 16-gauge outdoor extension cord that is product certified by Underwriter's Laboratory (UL) or Canadian Standards Association (CSA). This extension cord must be suitable for use outdoors, in cold temperatures, and be clearly marked Suitable for Use with Outdoor Appliances. Do not use an indoor extension cord outdoors. This could result in an electric shock or become a fire hazard.
7. Refill cooling system with coolant mixture. Use a standard 50/50 mixture of coolant and water.
 - a. Do not use more than 60% concentration of coolant as it will reduce the heater life.
8. Run engine up to operating temperature and check for leaks. Let engine run for 5-10 minutes after thermostat opens to ensure all air is bled from system. Ensure the heater is not plugged in when the engine is running.
9. **Ensure vehicle is parked in a clean area, clear of combustibles when operating the heater.**

**CAUTION**

HEATER DAMAGE. Do not operate heater until all air is bled from system. Shortened heater life will result.

WARRANTY

The Phillips & Temro Industries warranty statement is located on the website at phillipsandtemro.com/terms.