

**INSTALLATION
INSTRUCTIONS**

DEUTZ FM 1012/FM 1013 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.

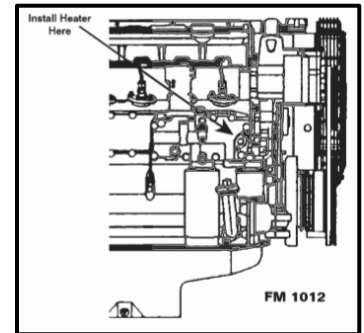


CAUTION

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.

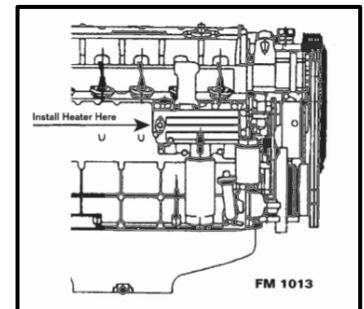
INSTALLATION PROCEDURE

1. Drain engine coolant. Flush system, if necessary.
2. Remove 2-bolt plate on oil cooler cover located on the right side of engine (see illustration below).
3. Install heater into hole and align holes in plate with threaded holes in engine block.
4. Install cap screws and lock washers from original plate and tighten securely.
5. Insert power cord connector into socket, taking care to align pins with sockets of connector on cord. Press plug firmly into socket. 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 properly grounded 120-Volt AC outlet.**
6. Fill cooling system completely with good grade permanent antifreeze solution. See CAUTION note above.



CAUTION

Before applying power to heater, remove all trapped air by operating engine for 5-10 minutes after thermostat opens (normal operating temperature). Run engine at governed high RPM for 5-10 seconds.



WARRANTY

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