



October, 1980

INSTALLATION INSTRUCTIONS

Fuelmaster diesel fuel heater

MODEL NPD-926

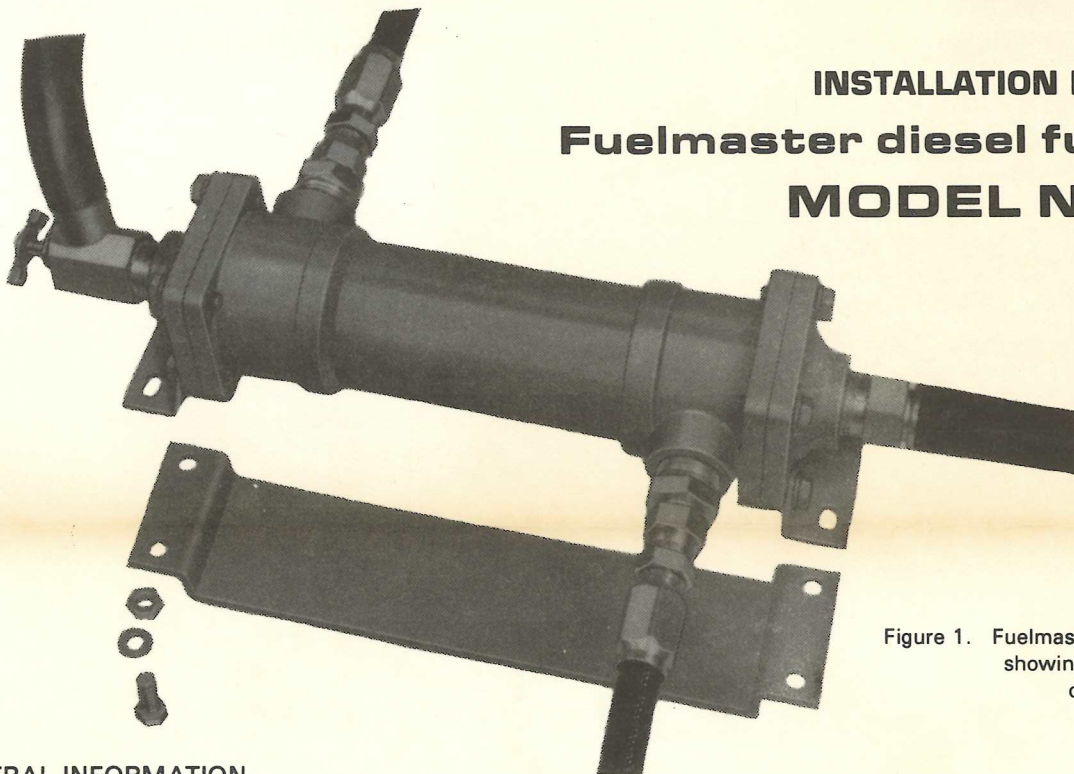


Figure 1. Fuelmaster and mounting bracket showing completed fuel line and coolant hose connections.

GENERAL INFORMATION

The Fuelmaster fuel oil heater should be located as close to the fuel filter as possible, and mounted on a substantial member such as the frame or engine. The unit can be positioned horizontally or vertically. Associated fittings, clamps and hoses are not supplied. Teflon tape **should not** be used on fuel line fittings.

Power loss can occur if diesel fuel temperatures exceed 162°F at the injectors. It is recommended that a shut-off valve be installed at the coolant inlet line connection to the Fuelmaster. The valve should be closed to shut off heater operation when the weather is above 50°F.

INSTALLATION PROCEDURE

To install the Fuelmaster, proceed as follows:

1. Mount the unit.

- Position mounting bracket and drill at least four clearance holes through it and mounting surface.
- Attach bracket to surface with 5/16-inch diameter or larger bolts, lockwashers and nuts (not supplied).
- Attach Fuelmaster to bracket with four furnished 5/16-inch diameter bolts, lockwashers and nuts.

2. Connect fuel lines.

- Disconnect the fuel line from the fuel filter inlet.
- With an appropriate fitting, join the disconnected line to either of the two 3/4-inch NPT threaded fuel ports located on the sides of the Fuelmaster.
- Add a new line from the fuel port on the opposite side of the Fuelmaster to the fuel filter inlet.

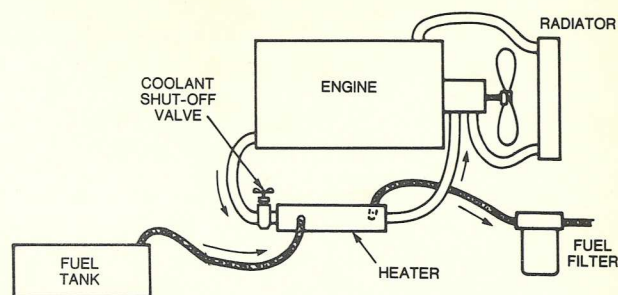


Figure 2. Schematic diagram of installed heater.

3. Connect coolant hoses.

- Tap into the water manifold. Install a hose fitting.
- Install 3/4-inch NPT to hose fittings in both ends of the Fuelmaster. A shut-off type fitting is recommended at the inlet end (whichever end will be connected to the water manifold) for warm weather shut-off.
- Connect the water manifold fitting and Fuelmaster inlet fitting with hose and clamp securely at both ends.
- Connect the return end of the Fuelmaster to the inlet end of the water pump with hose and clamp securely at both ends.

4. Inspect system.

- Verify that connections have been made correctly and that all fittings and clamps have been tightened.
- Start the engine and run to normal operating temperature.
- Check all connections for leaks.