

## Setting Fuel Pump Pressure

### Applies to models:

**BS36UFF, OM-148, OM-180, OM-122DW, OM-128HH.**

When installing or servicing a Toyotomi water heater, it is very important to always check the fuel pump pressure and adjust it, if necessary. Fuel pump pressure should be set to the following values:

BS36UFF – Type A – Lot# N07 – 95.3 PSI

Lot# N08 – 99.6 PSI

Type B – Lot# O02 ~ P01 – 114 PSI

Lot# P04 ~ - 107 PSI

OM-148/180/122DW/128HH - 192 PSI

R.E.E. sells the “T” fitting with a glycerin-filled pressure gauge (part# 10005089). We also sell the “T” separately (part# 20476489).

Remove the coupler from the fuel line between the top of the pump and where the fuel line enters the burner body. Be sure to use an open end 12 MM wrench with a backup wrench so that you do not damage the connection. Install the fuel pump pressure gauge and fire the Oil Miser water heater.

With the unit running, adjust the pressure by slowly turning the adjustment screw that is in the lower left hand front corner of the pump. There should be a black cap covering this adjuster. Set the pump pressure to the value specified above, then recycle the power button to make the unit re-fire and recheck its pressure.

Turn the unit off, remove the tester, reconnect the coupler, and reinstall the black cap. Re-fire the unit again and test the connection for leaks.

### **WARNING**

Rural Energy Enterprises, Inc. does not accept liability for the improper use of this information. Installation, service, and maintenance of heating equipment should be performed by a qualified technician. Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or loss of life.

If you see a lean or sooted unit, be sure to test the fuel pump pressure. Fuel pumps will be damaged by being run dry. Check for restriction in the fuel line or filter which will cause the gravity-fed pump to work under a vacuum. It is very important to maintain a constant downward slope in the fuel line from the tank to the unit. This will eliminate low points in the line where water can settle and freeze, causing a restriction. Also, whenever possible, install the fuel filter indoors. This will prevent the filter from becoming clogged by fuel gelling in extremely cold environments.



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