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Clayton

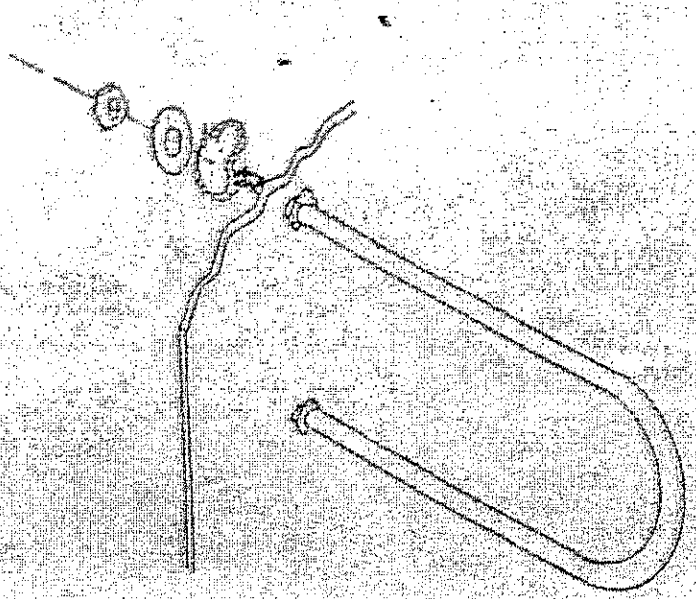
Installation Instructions for the Energy Saving Hot Water Kit

IMPORTANT! The installation instructions are meant to be used as a guide for woodstove owners and plumbers to follow. Failure to follow these instructions properly may result in a faulty installation which could result in damage to system and/ or self. Study the instructions thoroughly before beginning any work.

1. Wash the heat exchanger coil out with hot soapy water and rinse. This will insure that no residues will be left inside the coil from the manufacturing process.

2. Figure 1 shows how the heat exchanger coil is to be fastened to the inside of the stove. Following this diagram, run a locknut all the way to the end of each leg, flat side toward the firebox, making sure there are not threads exposed inside.

Installation of water coil inside the firebox
Figure #1



3. Place the coil through the holes from the inside of the firebox and run a washer and nut down each leg on the outside of the stove. Before tightening the nuts down completely, wrap a piece of hi-temp fiberglass rope gasket, provided with the kit, around each threaded leg between the washer and the outside of the firebox. Tighten the locknuts down securely to insure an air-tight installation. The heat exchanger coil may be installed vertically, as shown in Figure 2, or horizontally, in which case it does not matter which leg is plumbed to or from the hot water heater as they will both be at the same level.

The installation is now ready to be plumbed to your existing domestic hot water system. Choose one of the three methods described below that will best suit your particular needs.

THERMO-SIPHON METHOD

This is the simplest and most economical method, however, the hot water tank must be less than ten feet from the stove. The water inlet, where the temp. / press. relief valve is located, must be higher than the top leg of the coil. The hot water tank should be elevated, if necessary, to allow for proper thermosiphon action (the method by which hot water will circulate automatically through the system).

Thermo-siphon method
Figure #2