

INSTALLATION INSTRUCTIONS



Remote Fuel Hook-up Foreman 230/500 Oil Journeyman 360 Oil

View these instructions online at www.lbwhite.com

Kit Contents:

DESCRIPTION	QTY.
Barb, Hose, 1/4" NPT x 3/8"	3
Cap, Dust	1
Clamp, Hose	2
Compound, Pipe	1
Hose, 3/8" ID x 18"	1
Instructions, Installation	1
Plug, 3/8" NPT	1
Remote Fuel Hook-Up with Hardware	1

Kit: 500-131261

Tools required:

- Adjustable wrench
- 9/16 in. wrench
- 3/4 in. wrench
- Pipe wrench
- Portable drill with 5/16 in. socket or 5/16 in. nut driver

Materials required:

- Rags or towels
- Piping compound
- Appropriate pipe fittings for connection to 3/8" NPT fuel filter inlet (used for drawing fuel from the remote fuel tank)

Qualifications for installation of the kit:

- You must be able to read and understand these instructions.
- You must be properly trained and have sufficient experience in servicing oil heaters and capable of testing the heater for proper operation

General information:

- The following instructions provide information on converting a two-pipe system to a one pipe system with the use of the remote fuel hook up, or
- For adding only the oil de-aerator to your oil heater.
 - Skip to section B
 - The dust cap will not be used for this installation.

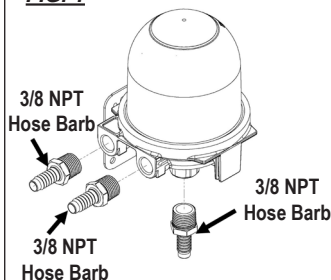
Safety instructions:

- Have a sufficiently large enough fuel resistant container ready to catch any fuel expelling from the pump during removal of the hoses.
- Disconnect the heater's electrical supply.
- To prevent leaks, always apply approved piping compound to all connections.
- Tighten all connections securely.

Initial Preparation

Install the provided hose barb fittings to the oil deaerator as shown in Fig. 1

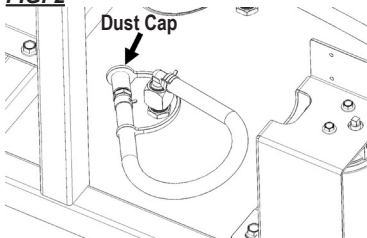
FIG. 1



A. For Use With Remote Fuel Tank

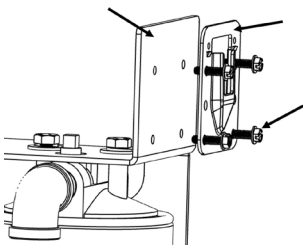
1. Disconnect the fuel supply hose from the fuel filter barb fitting.
2. Remove the barb fitting from the fuel filter inlet.
3. Insert the barb fitting into the fuel supply hose and secure it with the hose clamp.
4. Secure the supply hose to the fuel tank with the dust cap. See Fig. 2.

FIG. 2



B. Installation Instructions

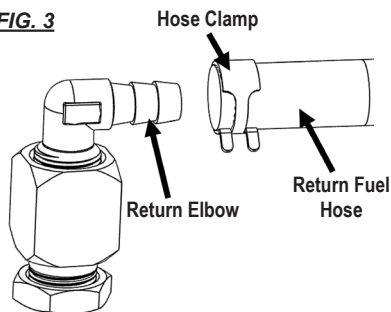
1. Install the oil de-aerator bracket to the fuel filter bracket, as shown, using the mounting screws provided in kit.



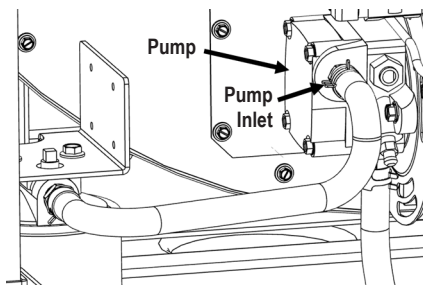
2. Insert the oil de-aerator onto the bracket.

3. Disconnect the return fuel hose from the return elbow of the fuel tank. See Fig. 3.
4. Remove the return elbow of the fuel tank and plug the coupler inlet with the 3/8 NPT plug.

FIG. 3

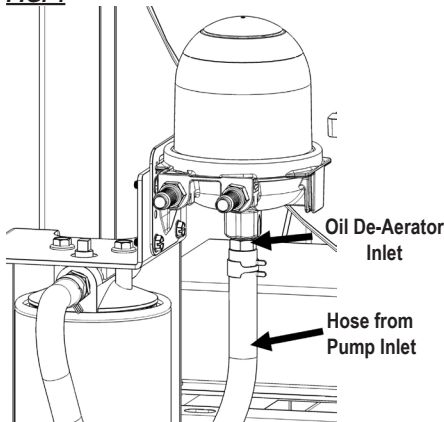


5. Disconnect the fuel hose from the pump inlet. DO NOT remove the hose barb fitting.

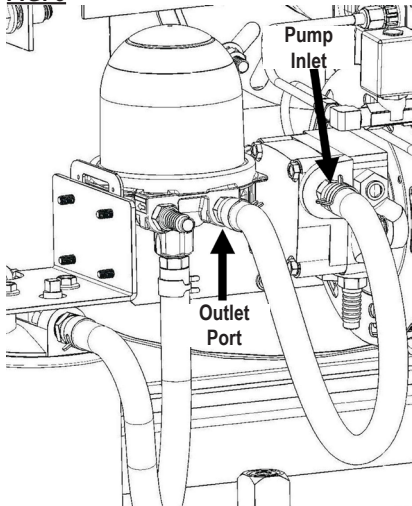


6. Connect the previous removed hose from the pump to the inlet of the oil de-aerator. See Fig. 4.

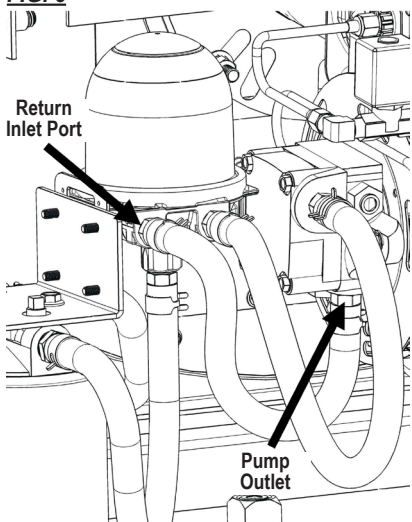
FIG. 4



7. Insert the provided hose to the outlet port of the oil de-aerator and secure it with the clamp.
8. Insert the other end of the hose to the inlet port of the pump. See Fig. 5.

FIG. 5

9. Insert the remaining hose from the pump outlet port to the oil de-aerator return inlet port.
10. Secure the hose with a hose clamp. See Fig. 6.

FIG. 6

C. Drawing Fuel from an External Tank

⚠ ATTENTION

- The diameter of the fuel supply hose from the external fuel tank to the heater fuel filter must be a minimum of 3/8" ID.
- Use the appropriate fittings acquired locally to connect to the inlet of the fuel filter.

-- Install appropriate pipe fitting as desired to connect the external fuel tank supply hose to the 3/8" NPT female inlet of the fuel filter.

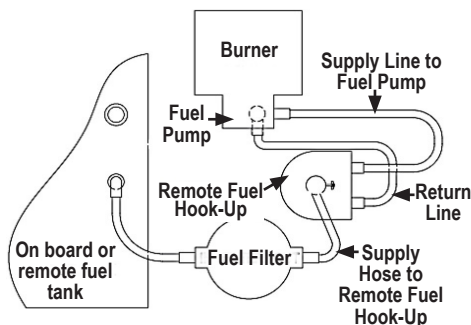
-- External fuel tanks are available from companies such as Western Global®

When using an external fuel tank, the burner will draw fuel:

- Up to 10 ft. rise if the tank is located below the heater
- or --
- 100 ft. horizontal run if the external tank is located on the same level as the heater.

D. Completion

1. Check hose connections to match the diagram below.



2. Check all connections for tightness.
3. Start heater and check all connections for leaks.

Service

Contact your local L.B. White dealer for replacement parts and service. You may also call the L.B. White Company, LLC at 1-800-345-7200, for assistance, or email us at customerservice@lbwhite.com.

Be sure that you have your heater model number and configuration number when calling.



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