

INSTALLATION INSTRUCTIONS



Remote Fuel Hook-up Foreman 230/500 Oil 500-131261

View these instructions online at www.lbwhite.com

Kit Contents:

DESCRIPTION	QTY.
Instructions, installation	1
Remote fuel hook-up	1
Bracket, mounting	1
Screws, 5/16 in. hex head	4
Cap, pipe, 3/8" NPT	1
Hose, 3/8" x 15"	2
Nipple, 3/8" x 1-1/2", black	1
Elbow, 3/8" NPT, female, Galv.	1
Blue Cap	1
Pipe Compound	1
Hose Adapter	3
Reducing Bushing, 3/8" MNPT x 1/4" FNPT	1

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
- Appropriate PTFE thread sealant tape for use with fuel oil.
- Appropriate pipe fittings for connection to 3/8 in. inlet of fuel filter (used for drawing fuel from external 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.

Safety instructions:

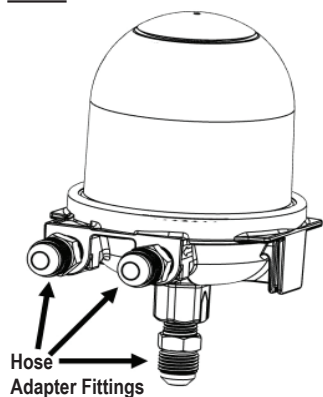
- To prevent leaks, always apply approved PTFE tape or piping compound to all connections.
- Tighten all connections securely.

A. Initial Preparation:

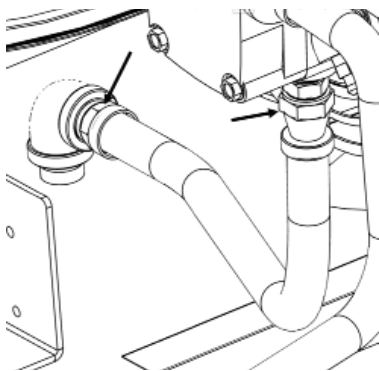
1. Have a sufficiently large enough fuel resistant container ready to catch any fuel expelled from the pump during removal of the hoses.
2. Disconnect the heater's electrical supply.

B. Pre-assemble the Remote Fuel Hook-Up

- Attach the hose adapter fittings provided with the kit to the remote fuel hook-up. See Figure 1.

FIG. 1**C. Disconnecting Fuel Hoses**

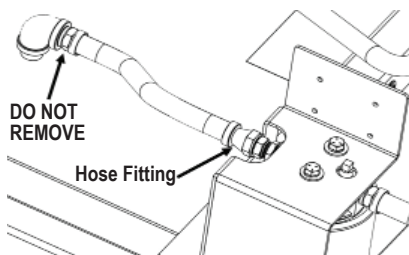
1. Disconnect the return fuel hose at the elbow and from the pump. Save this hose to be used later.



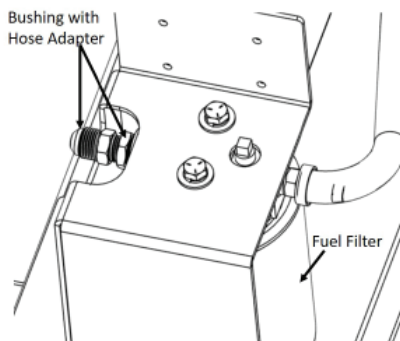
2. Remove the elbow from the tank and cap off the nipple with the 3/8" cap provided with the kit.

If you are attaching an external fuel tank to the heater, continue to C3. Otherwise, skip to section C8.

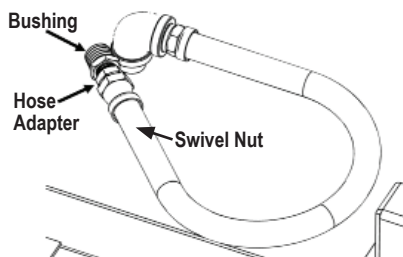
3. Remove the hose connection from the inlet of the fuel filter. **DO NOT** remove the hose connection at the elbow of the fuel tank.



4. Remove the bushing and the hose adapter from the inlet of the fuel filter.

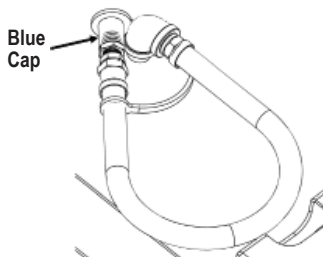


5. Attach the previously removed hose adapter and bushing from step 4 to the hose's swivel nut removed in step 3.

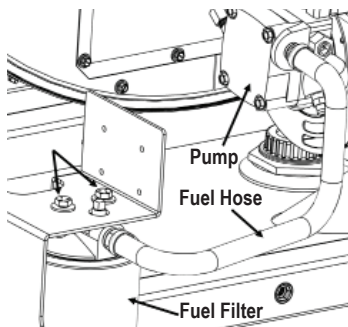


6. Slide the ring of the blue cap onto the hose.

7. Wrap the cord of the blue cap around the elbow and press fit the cap onto the threads of the bushing. This will protect the threads from damage and allows the hose to be reconnected at a later date if drawing fuel from the heater's onboard tank is desired.

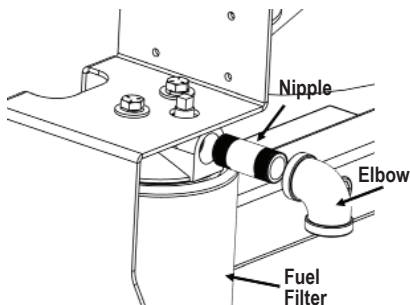


8. Remove the fuel hose between the outlet of the fuel filter and the pump. This hose may be discarded. Removal of the fuel filter assembly from the bracket may aid in the hose removal.

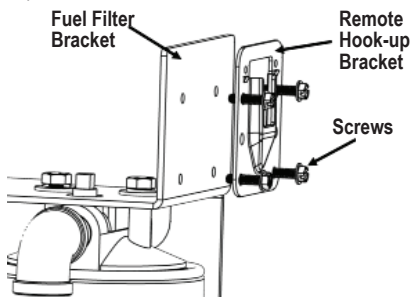


D. Installation

1. Install the provided elbow and nipple to the outlet of the fuel filter.

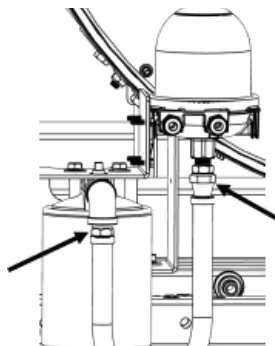


2. Attach the remote hook-up bracket to the fuel filter bracket, as shown, using the mounting screws provided with kit.

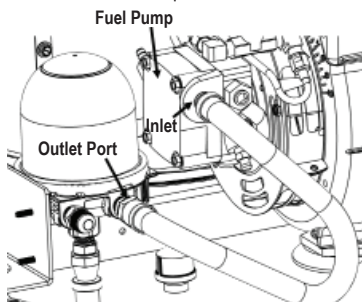


3. Insert the remote hook-up onto the bracket.

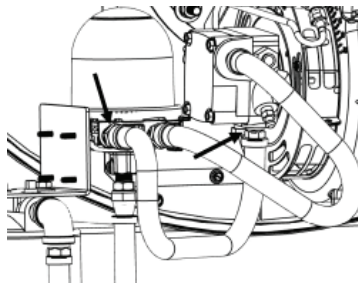
4. Connect the hose with the male 3/8" NPT to the elbow of the fuel filter. If a 3/8" NPT hose is not one of your hoses, install the 3/8" reducing bushing from the kit to the elbow then connect the 1/4" NPT hose to the bushing. Connect its swivel nut to the bottom of the remote hook-up.



5. Connect the 1/4" NPT hose to fuel pump inlet port and the 3/8" swivel nut to the outlet port of the remote fuel hook-up.



6. Connect the remaining 1/4" NPT hose to the fuel pump return port and the 3/8" swivel nut to the return inlet of the remote fuel hook-up.



E. 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.

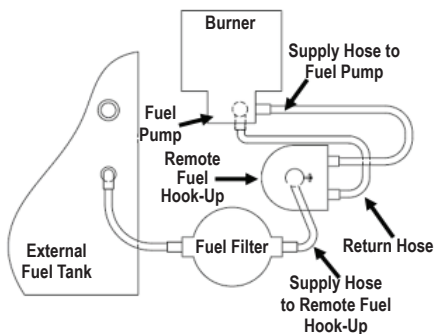
- Install appropriate pipe fittings as desired to connect the external fuel tank supply hose to the 3/8" NPT female inlet of the fuel filter.
- External fuel tanks are available from companies such as Western Global®

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.

F. 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 Co., LLC. at 1-800-345-7200, for assistance, or email us at customerservice@lbwhite.com.

Be sure that you have your heater model number or serial number when calling.



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