

ASSEMBLY and INSTALLATION INSTRUCTIONS



Motor Change-Out

View these instructions online at www.lbwhite.com

Kit Contents:

Description	Quantity
Shrink Tubing	2
Installation Instructions	1

Tools required:

- Wire cutting/stripping tool
- Heat gun, small hand - held torch or butane lighter
- Adjustable wrench
- ¼ in. nut driver
- Utility Knife

Discussion:

- Use the kit, if desired, when replacing the motor to create and maintain corrosion resistance of motor connections.
- Depending on your kit, not all installation instructions may be required.

Initial Preparation:

1. Disconnect the heater from its electrical supply.
2. Close the fuel supply to the heater.
3. Open the hinged access door or remove the case panel for motor access.

Section 1

Motor Replacement

1. Disconnect the motor wires. **NOTE: If heat shrink is already applied over the motor connections, use the utility knife to slit the tubing so it can be peeled from the connections.**
2. If applicable, use the ¼ inch nut driver and remove the screws that hold the motor mount plate to the fan housing.
3. Pull the motor and fan assembly from the fan housing.
4. Using the wrench, remove the fan wheel from the motor shaft.
5. Remove the four nuts that hold the motor mount plate to the motor mounting studs.

6. Reassemble the replacement motor to the motor mount and fan by reversing the previous steps.
 - a. Ensure the fan set screws are positioned directly over the motor shaft flats before tightening the fan to the shaft.
 - b. Refer to table below and Fig. 1 for spacing of the fan to the motor mount.

Model

346,348,377,379, AD/AW60 and 100
AB/AD/AW250, AW325

Clearance

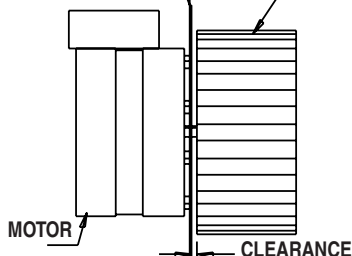
1/4 inch

1/8 inch

FIG.1

**MOTOR MOUNT PLATE
OR FAN PANEL**

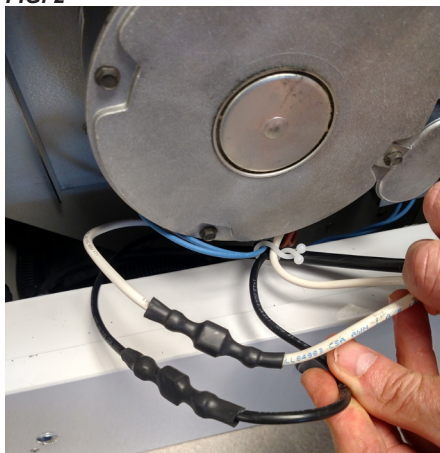
FAN WHEEL



7. Mount the motor and fan assembly back into the heater.

Section 2**Sealing the Motor Leads**

1. Slide a piece of shrink tube over each of the motor's power supply leads.
2. Connect the motor wires to the heater's wiring.
3. Center the shrink tubing over the terminal connections.
4. Apply heat to the shrink tubing using the heat gun or soft flame. Move the heat along the length of the shrink tube to prevent charring by the heat source and to ensure it has completely formed and sealed around the wire connections. See Fig. 2.

FIG. 2**Test for Proper Operation**

1. Close the access door or install the case access panel.
2. Reconnect the heater to its electrical supply.
3. Open the fuel supply to the heater.
4. Start the heater. Check for proper operation.

Service

Contact your local L.B. White dealer for replacement parts and service. You may also call the L.B. White Company, LLC at U.S. & Canada: 1-800-345-7200, Overseas: 001-608-783-5691 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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411 Mason Street, Onalaska, WI 54650

800-345-7200 • 608-783-5691

608-783-6115 (fax)

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