

# INSTALLATION INSTRUCTIONS



## Igniter Kit

573641 (Guardian® 60/100)  
573642 (Guardian 250/325, Therma Grow™ 120/220)  
Hot Surface Ignition Heaters

View these instructions online at [www.lbwhite.com](http://www.lbwhite.com)

### Kit Contents:

| DESCRIPTION               | QTY. |
|---------------------------|------|
| Hot surface igniter       | 1    |
| Mounting bracket          | 1    |
| Mounting hardware bag     | 1    |
| Heat shrink tube          | 1    |
| Purse lock clips          | 2    |
| Installation instructions | 1    |

### Tools required:

- Standard screwdriver or ¼ in. nut driver
- Utility knife or razor blade
- Heat gun, small hand held torch, or butane lighter

### Initial Preparation:

1. Disconnect the heater from its electrical supply.
2. Close all fuel supply valves to the heater.
3. Open the access door at the gas inlet end of the heater.

### Requirements:

- You must be able to read and understand these instructions.
- You must have sufficient training and experience to install the kit's components.
- You must be able to test the heater for proper operation and place the heater in a continuing safe and normal operating condition.

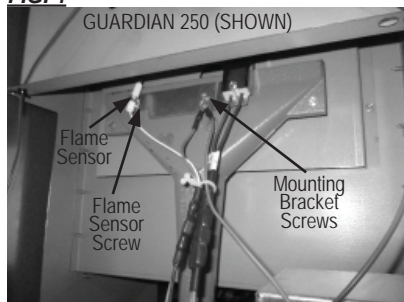
### Discussion:

Use this kit to retrofit the original hot surface igniter (509201). Using this kit also allows the installer to create or maintain, if desired, corrosion resistance of the igniters electrical connections. Depending on model of heater, not all components may be used.

**Installation:**

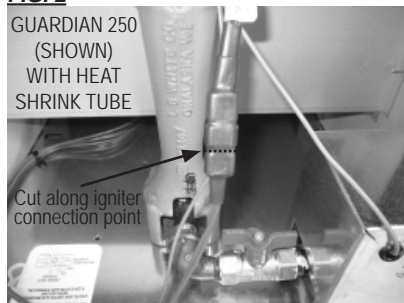
1. Remove the flame sensor screw and flame sensor from the existing mounting bracket. See Fig. 1, AW250 model shown.

**FIG. 1**

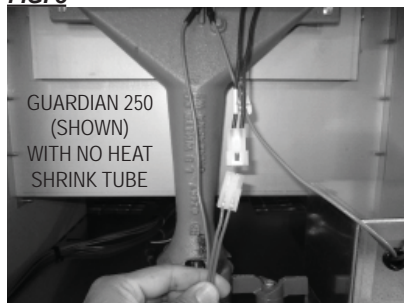


2. If heat shrink tube is present, cut along the heat shrink tube of the igniter harness connector as shown in Fig. 2 and disconnect the igniter. If no heat shrink tube is present, simply disconnect the red harness wire from the igniter as shown in Fig. 3.

**FIG. 2**



**FIG. 3**



3. Remove the mounting bracket from the burner casting. All models: discard original bracket and igniter.

4. Attach the new igniter and the previously removed flame sensor to the new bracket with screws provided as shown in Fig. 4. **NOTE: the igniter and flame rod are installed beneath the bracket's tab.**

**FIG. 4**



5. Install igniter bracket back on burner casting, using screws in kit. See Fig. 5.

**FIG. 5**



6. Insert the red harness wire into the heat shrink tube, provided with kit. Reconnect the red harness wire and the igniter. Position the heat shrink tube so it covers the connection point. See Fig. 6.

**FIG. 6**



7. Apply heat to the heat shrink tube using a heat gun or soft flame. Move the heat along the length of the tube to ensure its integral shrink material isn't charred by the heat source, and that it has completely formed around the connection point.

**Completion:**

1. Coil up and secure any excess wire using the purse lock clips.
2. Close and latch the access door.
3. Reconnect the heater to its electrical supply.
4. Open all fuel supply valves to the heater.
5. Start the heater so main burner ignites. Check for proper operation.
6. Keep this instruction for future use.

## 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](mailto:customerservice@lbwhite.com).

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



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