

# ASSEMBLY and INSTALLATION INSTRUCTIONS



## Ignition Control Kit

Premier Tent and  
Tradesman Construction Heaters  
Part #572427

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

### Kit Contents:

Description	Quantity
Control Module	1
Mounting Screws, 3/4 in.	2
Wire Harness 26 in. (Red and Black)	1
Terminals, Male, 1/4 in.	2
Purse Lock Clip	1
Wire, Black, 4 in.	2
Installation Instructions	1
Label, Terminal Identification	1

### Tools required:

- Needle Nose Pliers
- Standard Screwdriver, or 1/4 in. Nut Driver
- Drill with 1/8 in. drill bit
- Electrical wire stripper/terminal crimping tool

### Qualifications for installation:

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

### Discussion:

Ignition control part number 08810 is no longer available. This kit replaces part number 08810 when used on Premier 80 and 170 tent heaters, and Tradesman 155 and 400 construction heaters. Specific instructions pertaining only to Premier heaters are noted.

### Initial Preparation:

1. Disconnect the heater from its electrical supply.
2. Close all fuel supply valves to the heater.
3. Open or remove access panel for access to ignition control
4. FOR PREMIER HEATERS ONLY: Remove metal cover from over the ignition control.

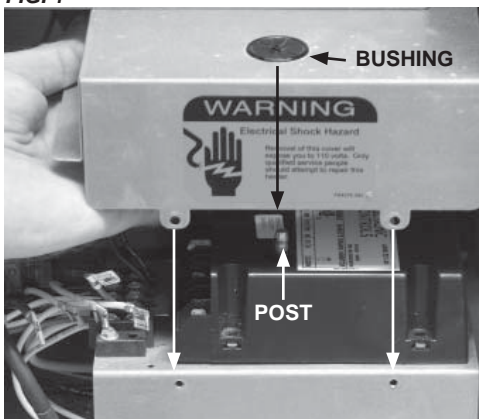
## INSTALLATION

### A. Changeout

1. Disconnect ignition cable and all wiring from original control module. If needed, mark the individual wires to identify the control terminal to which each wire was connected.
2. Remove the mounting screws and existing control module from heater.
3. Position the kit's control module onto the mounting bracket to allow ease of wiring reconnection.

**FOR PREMIER HEATERS ONLY:** Before hard mounting the control, ensure the ignition cable's protective bushing (on cover) will be aligned directly over the ignition post of the control module. The cover mounting holes must also align to mounting support holes. See Fig. 1.

FIG. 1

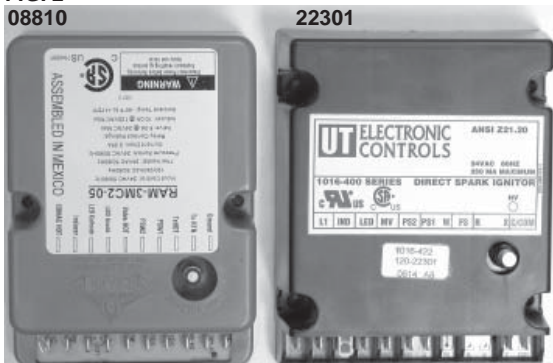


3. Use existing support mounting holes, if possible, to mount the control module. Otherwise, mark and drill mounting holes at the most accessible locations, using the control module base as a template. Use screws from kit.

### B. Wiring

1. Reconnect all heater wiring (excluding red diagnostic light wiring) to the replacement control. Refer to Fig. 2 and the following table for terminal identification and location when transferring wiring from control 08810 to 22301.

FIG. 2



**TERMINAL MARKINGS**

<u>08810</u>	<u>22301</u>
120 VAC HOT	L1
Inducer	IND
LED	LED
Valve Hot	MV
PSW1	PS1
PSW2	PS2
TX HOT	W
TX return	C
Ground	COM

Two longer black wires (supplied) may be used if needed, to connect from the terminal strip to terminals L1 and IND on the replacement control module.

-- All other wires will have sufficient length for proper connection.

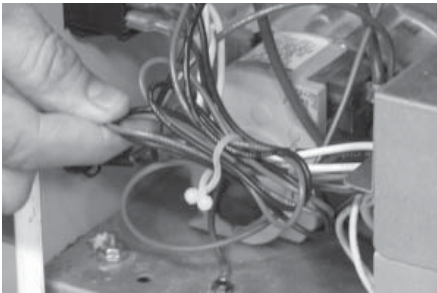
2. Firmly push the molded female connector on the kit's wire harness onto the molded male connector (terminal LED) on the control module.
3. Heaters with red LED diagnostic light internal to selector switch
  - Disconnect existing red and black LED wires at top of selector switch.
  - Connect female terminals on kit's harness wires to terminals on switch.
  - (If wires are reversed at switch, red light will not come on.)

Heaters with red LED diagnostic light remote from selector switch or ON/OFF switch.

- Remove existing terminals from lead ends of remote light.
- Strip back insulation approximately 1/2 inch -- Crimp on male terminals from kit.
- Connect to female terminals of kit's harness from control module. Match wire colors.

4. Ensure all electrical connections are secure.
5. Coil up and secure any excess wire harness using the purse lock clip from the kit. Ensure it is clear of any hot heater surface. See Fig. 3

**FIG. 3**

**Completion**

1. FOR PREMIER HEATERS ONLY: Install cover over ignition module and secure with screws removed earlier.
2. Connect the ignition cable to post of module.
3. As identified, the terminal markings are slightly different on the replacement ignition control module when compared to the original control and the heater's electrical wiring diagram. A terminal identifier label is supplied in the kit for future use when servicing.

- Thoroughly clean an area close to the existing wiring diagram. Apply the label.
- 4. Close and latch the access panel or install side panel.
- 5. Reconnect the heater to its electrical supply.
- 6. Open all fuel supply valves to the heater inlet.
- 7. Start the heater so main burner ignites.
  - Red diagnostic light will come on and remain on
  - Diagnostic light codes for troubleshooting remain the same.
- 8. Keep these instructions for future use.

## Ordering Information

All parts referred to in this instruction are available by contacting L.B. White Company, LLC at (800) 345-7200 from 7:00 a.m. to 5:00 p.m. Central Standard Time.

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

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



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