

ASSEMBLING YOUR L&L LIBERTY-BELLE KILN

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TOOLS NEED FOR THE JOB

You will need the following tools for the job:

- 1) Phillips head screw driver (medium size head)
- 2) Knife
- 3) Adjustable Wrench
- 4) 3/8" Nut Driver or socket wrench
- 5) Level (not absolutely necessary)

Below is a picture of how your kiln should arrive:



UNPACKING

Inspect for visible damage

The carton should arrive without visible damage. If any carton was damaged in transit, you should either refuse shipment or unpack the kiln in the drivers presence in order to file a damage report with the freight company. **Call our office immediately if there is a problem. SAVE ALL MATERIALS UNTIL YOU ARE SURE YOU WON'T NEED THEM. AT THE VERY LEAST NOTE DAMAGE ON THE BILL- OF-LADING - WITHOUT THIS YOU HAVE NO PROTECTION!**

Unpack Instructions, Vent and Furniture Kit

- 1) Remove the corrugated pad from the inside of the carton.
- 2) For all kilns you will find the following items:
 - a) instruction manual
 - b) stand with stand legs with the assembly hardware
- 3) If you ordered a Vent-Sure vent system you will find the following items inside the cardboard insert:
 - a) flexible ductwork
 - b) bypass collection box
 - c) galvanized 90 degree elbow
 - d) vent motor with bracket that holds it to the wall

Below is a picture of the cardboard insert with a shelf kit enclosed:



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4) If you ordered the Furniture kit you will find the following:

- a) four 15" half shelves
- b) one 15" full shelf
- c) four each 1", 2", 4", and 6" triangular posts
- d) one pound of Cone 10 kiln wash

The furniture kit:



Unpacking the kiln

With a screw driver pry off the staples holding the top and bottom box tray to the box sleeve. Take off top:



Next remove the furniture kit, stand, vent and then cardboard inset from the carton:



Remove the box sleeve from over the kiln:



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Kiln shown with box sleeve removed:



Cut off the foam pads with a box knife:

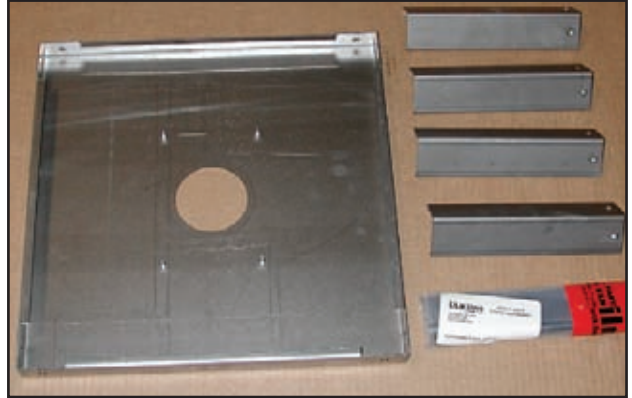


Carefully cut off the stretch wrap that is around the kiln. Be careful not to scratch the kiln with your knife:



ASSEMBLING THE STAND

The stand consists of four legs, the stand plate and (8) 1/4-20 bolts to attach the legs to the stand. You will find all this in the top tray of the box.:



The legs get bolted to the stand with 1/4-20 bolts provided. They do not need nuts. Make sure all the stand legs are tight. Use a nut driver or an adjustable wrench to do this:



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Fit the rubber-plastic feet over the bottom of the legs. The stand is now fully assembled:



Place the bottom of the kiln on the kiln stand. Center the bottom brick on the stand. It is not critical how the polygonal brick is oriented to the square stand:

SETTING UP THE BOTTOM

Place the stand on the floor in the desired location. This should be set so that the outside stainless steel surface of the kiln will be at least 12" to 18" from any combustible wall. Floor must be nonflammable.



NOTE: Level the kiln. Do this before proceeding because at this point it is easy to put a level on the flat bottom. Use metal shims under the legs to accomplish the leveling. We suggest using a carpenter's level for this job. **Make sure that the base will not wobble.**

Information concerning clearances, ventilation and electrical requirements is detailed in the INSTALLATION Section of this manual. Read now if you are uncertain about any of these issues. **DON'T PROCEED UNTIL YOU ARE COMFORTABLE WITH THE LOCATION THAT YOU SELECT.**

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ASSEMBLING WITH TWO PEOPLE

If you have two reasonably strong people available you can lift the whole kiln with the two sections and the top attached without disassembling the panel. (If you have only one person - skip this section and use the single person assembly technique).

CAUTION: The two kiln sections and top together weight about 150 pounds. Be careful not to strain yourself.

Pick up the kiln using the handles on the bottom section:



Place the kiln on the bottom slab and adjust it until the bottom section matches the bottom slab:



ASSEMBLING WITH ONE PERSON

Loosen - but do not remove the four screws holding the control panel to the kiln:

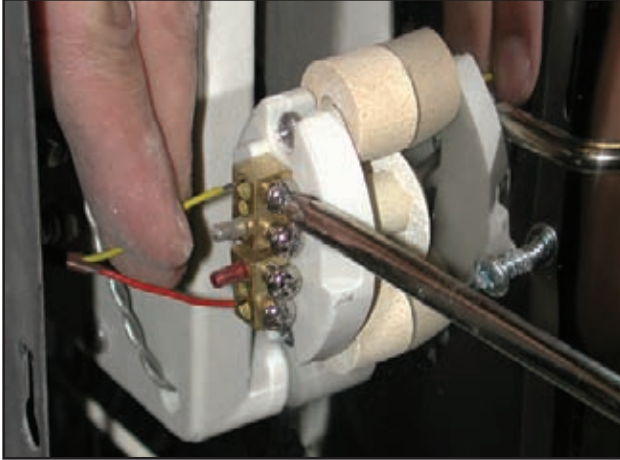


Lift the panel up slightly to slip it off the two screws on the right. Let the panel hinge to the left by leaving it loosely attached to the left screws.

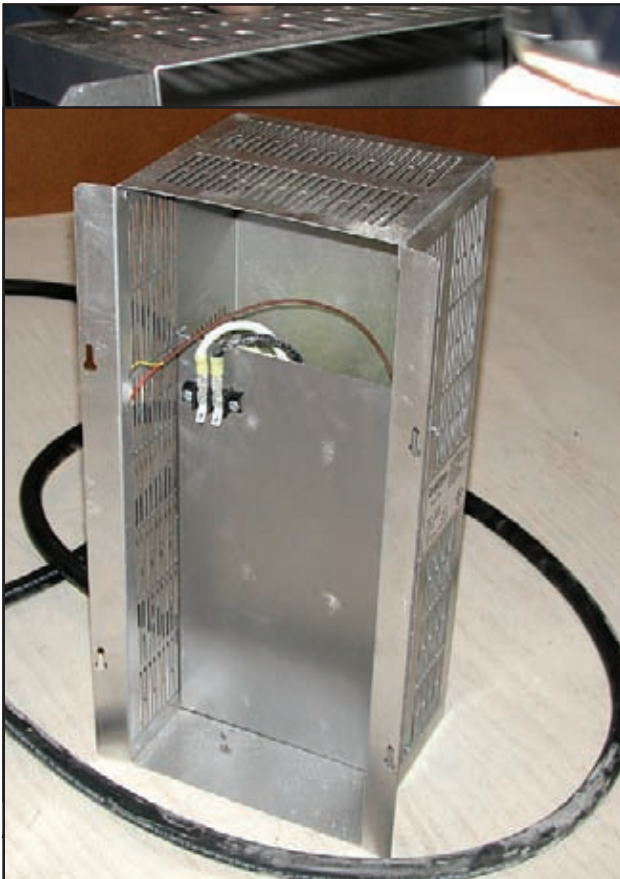


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Unscrew the thermocouple wires. Notice that the red wire goes next to the thermocouple wire that is marked red.



Pull element connection wires off of the Element Power Terminal:



Remove the terminal nuts on the top element terminal block so you can remove the element jumper wires that go between the two sections. Use a 3/8" nut driver or socket wrench:



Leave the Element Jumper Wires attached to the bottom section - just remove them from the top:



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Element Jumper are wires shown disconnected from the top section. The Element Connection Wires that go from the top section to the panel terminal board are lying on the ground along with their connection hardware:



Now that the two sections are disconnected from each other you can lift up the top section. Place it down on the ground temporarily:



NOTE: Usually the top section along with the top is light enough that you can move it as an assembly. However, if you need to remove the top you can remove the screws that hold the support chains to the kiln and remove the hinge bar. Again - be careful of lifting too much weight.

Now you can lift up the bottom section:



Place the bottom section on the bottom slab. Line up the edges:



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Now place the top section and top on the bottom section and make sure everything is lined up:



Reattach the Element Jumper Wires that go between the sections and attach the Element Connection Wires:



A close up showing how all the terminals of the wire and terminal hardware go together (shown before being tightened). Be sure to tighten this well because a loose connection could cause overheating at the terminal:

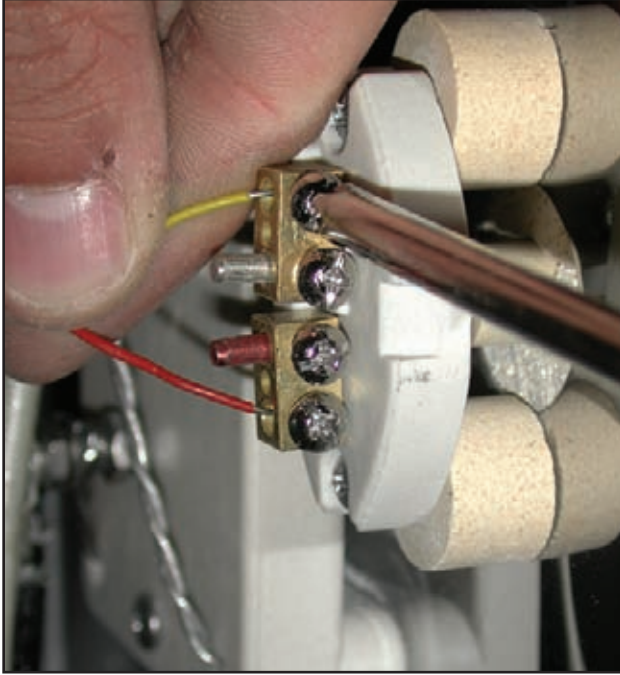


Hang the panel on the two left mounting screws:



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Reconnect the thermocouple wire. BE SURE TO CONNECT THE RED WIRE TO TERMINAL THAT HAS THE RED MARK ON THE WIRE STUB PROTRUDING FROM THE THERMOCOUPLE:



Reconnect the Element Connection Wires to the Element Power Terminal:



Push the panel in and slip the mounting screws (that you didn't remove) into the keyhole slots on the panel. Tighten the screws:



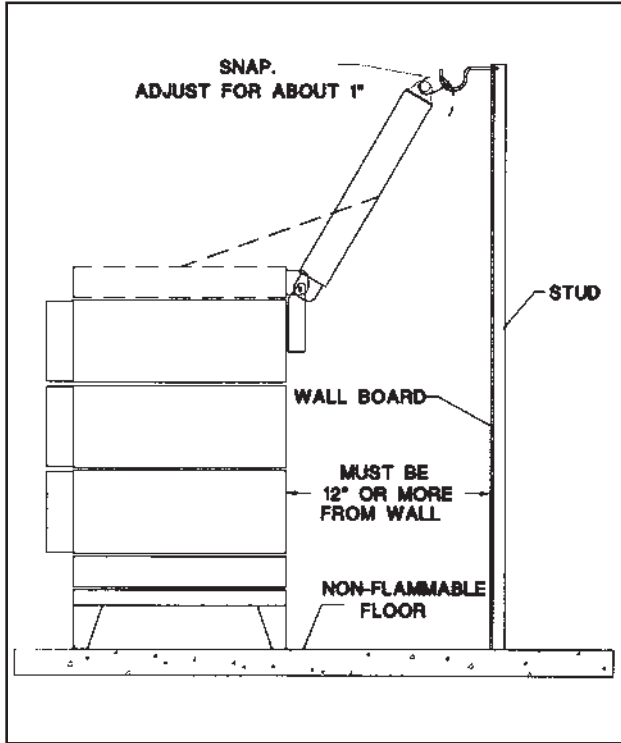
FINAL TOUCHES

Remove the masking tape that holds the safety chain to the lid handle:



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Install the hook into a wall so you can attach the safety chain when the door is up:



The kiln is now fully assembled and ready to plug in to a 30 amp circuit and operate:

