

Your Skutt kiln has traveled a long way by rail or truck. Look for any signs of damage caused by transit. If damage is found, call your freight agent and ask for an inspection.

Do not discard the packing materials, they may be needed later.

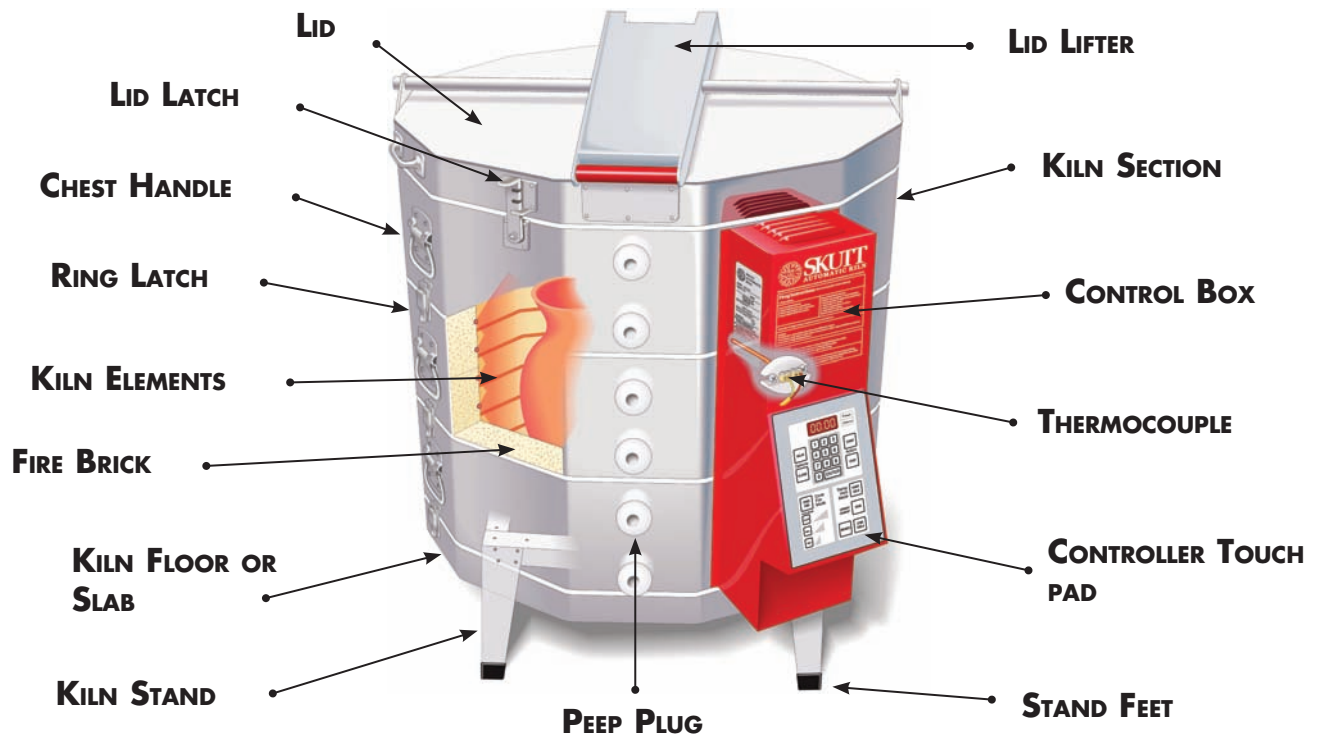
CONTENTS LIST

Skutt Kilns should arrive fully assembled. Packed with the kiln you will find the following items:

- Kiln Stand
- Instructional Video
- Operating Manual
- Stand Feet
- Extra Thermocouple (unless Type S)
- Warranty Card
- Peep Plugs - attached to the kiln stand, enough to fill each peephole on your particular model.



ANATOMY OF A KILN

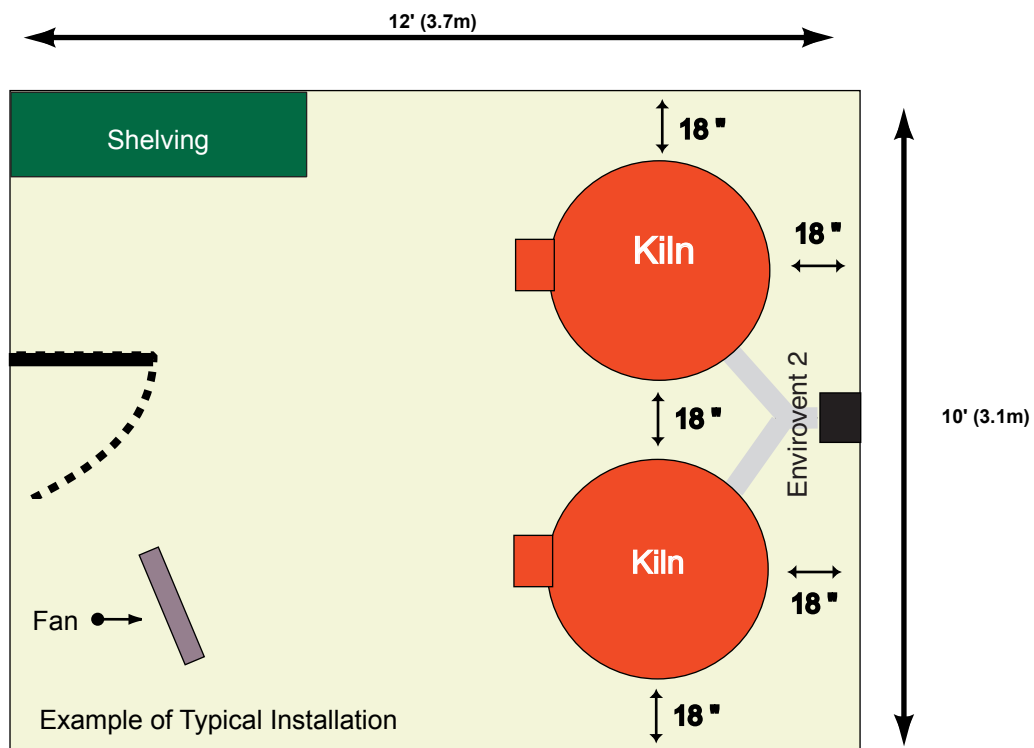


ELECTRICAL CHECK LIST

Make sure serial plate matches electrical supply, if you are not sure, consult an electrician. See Appendix 5 Electrical Requirements.

LOCATING THE KILN

- Locate your kiln near your present electrical outlet or where a new circuit can be installed. Position the kiln to the left of your electrical outlet so the cord will have an easy run and will not place a strain on the plug or outlet.
- Install it in a well ventilated, sheltered area such as a carport, garage, utility or hobby room. Allow a **MINIMUM 18 INCHES (46 cm)** of space between your kiln and adjacent walls, other kilns, shelving, etc. When multiple kilns will be installed in the same room, make sure the control boxes on the kilns are not facing adjacent kilns. Radiant heat from nearby kilns can damage the controller.
- For small rooms, monitor the firing so room temperatures does not exceed 105°F (41°C). Do not fire if room temperatures are 32°F (0°C) or less as damage to the electronic components may result. Below is an example of a typical room layout.
- Locate the kiln in a room with a bare cement floor. If a bare cement floor is not available, the uniform mechanical code requires two inches of masonry below the kiln extending a minimum of 12" (31 cm) beyond the outside circumference of the kiln.
- When installing a kiln in a room with a fire control sprinkler system, do not place kilns within a 10 ft. (3m) radius below sprinkler heads. If this is not possible, contact Skutt for alternative solutions before installing.
- All kilns are vulnerable to the highly corrosive effects of marine air. If you live near salt water, locate the kiln indoors and protect it from the damp air.



PREPARATION

Certain kiln models may have slightly different set-up instructions. Special set-up instructions for PK Kilns and the KM-1 Wall Mount Controller are located in the Appendices Section.

- Save packing material until test fire is complete. The kiln comes almost completely assembled. If you need to disassemble the kiln to make it lighter or smaller to move through doorways, see Appendix 1

LOAD THE LID LIFTER SPRINGS

If your kiln is equipped with a spring assisted Lid Lifter, you will need to load the springs. They have been de-tensioned to avoid damage to the kiln during shipping. Please consult Appendix 2 for instructions on tensioning the springs.

REMOVE AND SET-UP STAND

STEP 1

- Open the lid and secure the lid brace in place.

STEP 2

- Slightly bend the stand packing cardboard to relieve the tension against the brick wall and carefully lift the stand out of the kiln, being careful not to damage the brick or the thermocouple.

STEP 3

- Remove the cardboard and peep plugs attached to the stand.

STEP 4

- Install the black plastic stand feet which are located in the plastic bag with the manual.

STEP 5

- Place the stand where the kiln will be located. If you have an older style EnviroVent (where the fan motor mounts directly under the kiln), place it in the stand now.

PLACE SLAB (KILN BOTTOM)

STEP 1

- Undo the buckles that hold the kiln slab to the kiln. Lift the kiln off the slab and place on a clean flat surface. Be careful not to set the kiln on anything (watch the power cord), that will damage the bottom row of bricks.

STEP 2

- Center the slab on the stand. Allow a minimum of eighteen inches (46 cm) of spacing from walls and other kilns.

STEP 3

- If the stand is not level or wobbles, shim legs accordingly. Do not place shims between the stand and the slab.

PLACING THE KILN

STEP 1

- With a partner, pick the kiln up by the chest handles and rest it on top of the kiln slab (floor).

STEP 2

- On models with slabs that buckle to the kiln, reattach the buckles.

PLACE PEEP PLUGS

Place the white porcelain peep plugs into the peepholes of the kiln. Give them a slight twist to lock them in. If you are not using an EnviroVent, EnviroVent 2, or any other Downdraft vent, be sure to leave the top peep plug out when firing.



CLEAN

Vacuum the inside of the kiln to remove dust, brick chips, and other foreign matter from around the elements. Be sure not to get the hose too close to the touch pad. Static electricity built up in the hose can damage the electronics.



KILN WASH SHELVES

Brush coat one side of each shelf with high fire kiln wash. Apply a thin coat of kiln wash in one direction, allow to dry, and apply another thin coating in the opposite direction leaving a half inch (1.3 cm) margin from the outside edge of the shelf. Allow to dry overnight. **Never kiln wash the walls or lid of your kiln!**



TEST FIRING

The test fire is very important and should not be skipped. It accomplishes several objectives

- Ensures the kiln is operating correctly and nothing was damaged in shipping.
- Burns off element oils and develops an oxide coating which will help prolong the life of the elements.

LOADING

This first firing should be done with only kiln shelves. Place the first shelf layer on one-inch (2.5 cm) posts above the slab. When loading ware in the kiln, it is important to load it evenly to ensure proper ventilation. For a full description on loading, see Appendix 4 — Loading Tips.

PLACE WITNESS CONES

A Cone 04 (1945°F/1063°C) is recommended for proper pre-oxidation of a new element. For more about cones, see Appendix 3 — Heat Work (Cones). If your kiln is equipped with a lid lifter, be sure to latch the lid shut.

TEST FIRE THE KILN

Follow the Cone Fire Mode programming instructions found in the Programming section of this manual to run a **Cone 04**, **Medium Speed** program with **No Hold** time and **No Preheat**. After the kiln has cooled to room temperature, unload the kiln and inspect the cones. If the Cones are satisfactory you are ready to begin using the kiln. If there is a problem with the cones see the section on fine tuning your kiln on page 13.