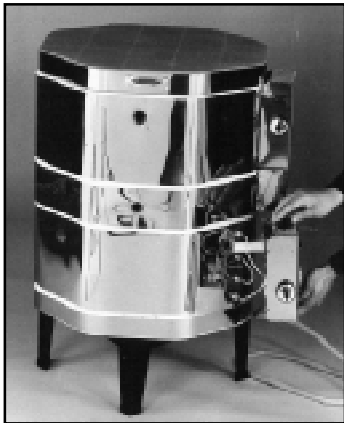


*Building the Finest Kilns for Your Creative Spirit!*

NOTE: When doing replacement repairs, install the new part in the same position as the old part. Transfer wires one at a time from the old to the new part. Discolored wires and lugs must be replaced or cleaned with sandpaper or steel wool until clean and bright. If this is not done, a bad connection will result.

### Removal of the Electrical Box

1. Unplug the kiln from the wall outlet.
2. Rotate or remove other rings in order to disconnect interconnections between rings.
3. Remove the screws attaching the electrical box to the heat shield.
4. Pull the box away from the kiln. When removing the electrical box, be careful to pull the box straight out so that the kiln sitter tube or the digital thermocouple does not break the brick.



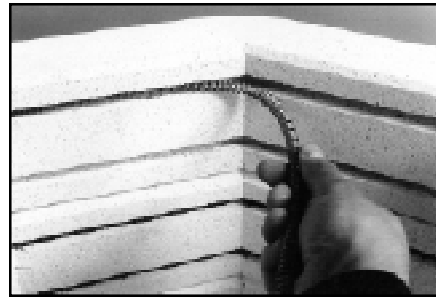
Removal of electrical box.

### C. Replacing Elements

1. Remove all pins holding the defective element in the grooves.
2. Gently remove the old element taking care not to break or chip any bricks. Long nose pliers can help in this job.
3. Insert one twisted pigtail of the new element through the terminal brick and then work toward the other end by carefully placing the new element in the trough of the brick. Make a slight

bend at each corner so that the element takes the shape of the kiln. When the entire element is in the trough, it may be necessary to slightly stretch or compress it to obtain the length necessary to allow the pigtail to pass through the brick.

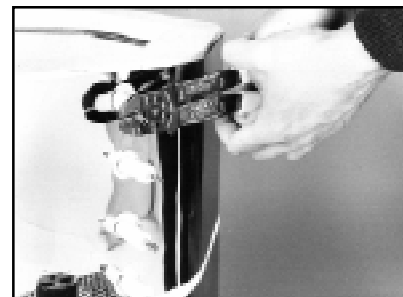
4. Re-pin the element at each corner with Kanthal pins. The pins should hold the element down while the lip of the element groove holds it in.



Element Installation.

5. Re-install the porcelain insulators over the twisted pigtail.
6. Pull the pigtail out gently until it is tight, then clip it 5/16 inch beyond the insulator.
7. Place a connector in the jaws of the crimping tool and hold it lightly. Reach inside the kiln with the other hand and push the pigtail out. Slip the connector on the pigtail and crimp firmly in two spots.
8. Strip 5/16 inch from the wires connecting the switch to the elements. Polish with fine sandpaper if the wires are discolored, then firmly recrimp.

It is important to stress that the wire in a crimped connection be clean and bright. All crimps must be firmly applied.



Crimping Element Connector.