HotStart Controller and Lid Replacement

Please read these instructions before starting your repairs. Take careful note of how the kiln parts are disassembled so reassembly will be easier.

CONTROLLER REPLACEMENT

Ensure that the kiln's power cord is unplugged from the wall receptacle. If the kiln has been hard wired into a junction box, ensure the breakers are turned off.
Remove the four screws from the corners of the 3-button controller and carefully pull the controller out to expose the wiring on the controller's back side.
Bring the new controller close up so that the wires may be removed from the old controller and installed on the new controller, one by one. Some connectors are simply pulled off the tabs and reinstalled, while some wires have small screws holding them in place. While replacing the wires, be careful of the electrical components on the circuit board so they are not damaged.
When all the wires are exchanged, carefully place the new controller in position and reinstall the screws in the corners. Do not overtighten the screws, snug is just right.
Turn on the power to the kiln and test the controller by entering a firing program and starting the kiln. Ensure the controller and kiln operate normally.

KILN LID REPLACEMENT (KILNS WITH LID SHUT OFF SWITCH)

Lid removal

Ensure that the kiln's power cord is unplugged from the wall receptacle. If the kiln has been hard wired into a junction box, ensure the breakers are turned off.
Note the location and function of the lid shut off box and side lever. This box must be reinstalled on the new lid. Inspect the rear lid hinge assembly to become familiar with its operation.
Remove the lid shut off box from the old kiln lid by removing the 4 sheet metal screws holding it in place. Remove the kiln handle, lid brace and lid brace pad.
Locate the heating element electrical box by following the power cord from the main control box up to the element electrical box. Remove the four screws holding the element box in place and gently tip the box open to expose the wiring. Unscrew the two electrical connectors and remove the white feeder wires from the heating element pigtails (ends). The electrical box should now swing out of the way leaving the element connectors and heat shield exposed.
At the back of the kiln, locate the hinge leaves that are screwed into the lid's metal band. Remove the screws from the lid hinge leaves. The lid hinge leaves can now be rotated back towards you and out of the way.

The kiln lid may now be removed and set aside.

(continued)

HOTSTART CONTROLLER AND LID REPLACEMENT - CONTINUED

New Lid Installation

Basically a reversal of the above instructions should be followed to install the new lid.
Place the new lid on the kiln in the same orientation as the old lid. Make sure that the new lid is lined up with the kiln body.
Rotate the rear hinge leaves up to the back of the new lid and make any minor adjustments to the lid to ensure the lid and hinges line up properly. Install the screws into the rear hinge leaves.
Bring the element electrical box up to the heating element pigtails and reinstall the two white feeder wires to the heating elements using the screw on connectors. Ensure that the two white porcelain insulators are in place to provide proper insulation.
Use a side cutter (wire cutter) to cut off the extra twisted heating element pigtails.
Center the electrical control box over the heat shield and screw into place using the screws. Make sure that no live electrical parts or connectors come into contact with the shiny metal heat shield or electrical control box.
Align the lid shut off box with side lever over the main control box. Operate the side lever and ensure the lid shut off lever works properly. When the alignment is correct, screw into place onto the lid band using the metal screws. Install the kiln handle, lid brace and lid brace pad.
Turn on the power to your kiln and test it by performing a test firing.