

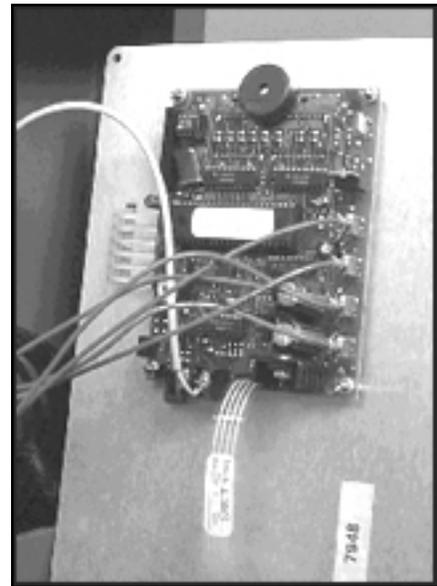


Touchpad Replacement

The touchpad and circuit board of your automatic kiln are combined into one modular unit. Replacement of a faulty or upgraded unit is an easy operation.

To remove the touchpad from your automatic kiln, follow these instructions:

1. Unplug your kiln from the wall receptacle. Make absolutely certain that there is no power to your kiln.
2. Remove the four, black screws that attach the touchpad to the control box. (on older models it may be necessary to remove the control box from the kiln and remove the heat baffle from the control box in order to change the touchpad. Nuts and bolts were used on these units instead of sheet metal screws.) The lower right hand screw on the touchpad holds a small "star" washer in place on some models. This washer is located between the touchpad and the metal control box and serves as a grounding aid. Do not lose this washer. It must be replaced when the unit is reassembled. If you are receiving a new, replacement touchpad the star washer should be attached.
3. Carefully pull the touchpad away from the control box, exposing the internal wiring. Do not pull the wiring too hard as the leads to the transformer may be damaged. Identify and label the four control leads (red wires) attached to the circuit board. Number these leads 1 thru 4 using masking tape or other labeling means.
4. Identify the thermocouple wire (yellow wire) and note where this wire is connected to the circuit board.
5. Remove the red wires from the circuit board by pulling on the connectors and using a rocking motion. Now remove the yellow thermocouple wire using a Phillips screwdriver. Note that the yellow wire has a red lead and a yellow lead. These colored leads correspond to yellow and red marks on the terminal block to which they are attached.
6. Put your touchpad in a safe place. Some touchpads have a small metal switch in the upper left hand corner. Do not damage this switch.



(continued)

TOUCHPAD REPLACEMENT

To install your new touchpad follow these instructions:

1. Examine your new touchpad. Check it for any shipping damage. Your new touchpad will not have the small metal switch (this switch was removed due to an equipment upgrade). If everything looks okay, proceed.
2. Follow the steps 1 thru 5 on the previous page in reverse order. Be certain the yellow thermocouple wiring is properly attached to the circuit board terminal block, yellow wire in yellow spot and red wire in red spot. Hold the black terminal block with your fingers when tightening the attachment screws. It is possible to twist the terminal block loose from the circuit board if the terminal block is not securely held in the fingers. [When you re-mount the touchpad be sure to properly replace the star washer or install the one supplied. Scrape the paint from the control box if necessary to ensure the star washer seats against bare metal.] Do not overtighten the screws holding the touchpad in place. The screws should only be snug.
3. When the touchpad is replaced, plug your kiln in to the power supply and check for proper operation.
4. Your installation is complete.