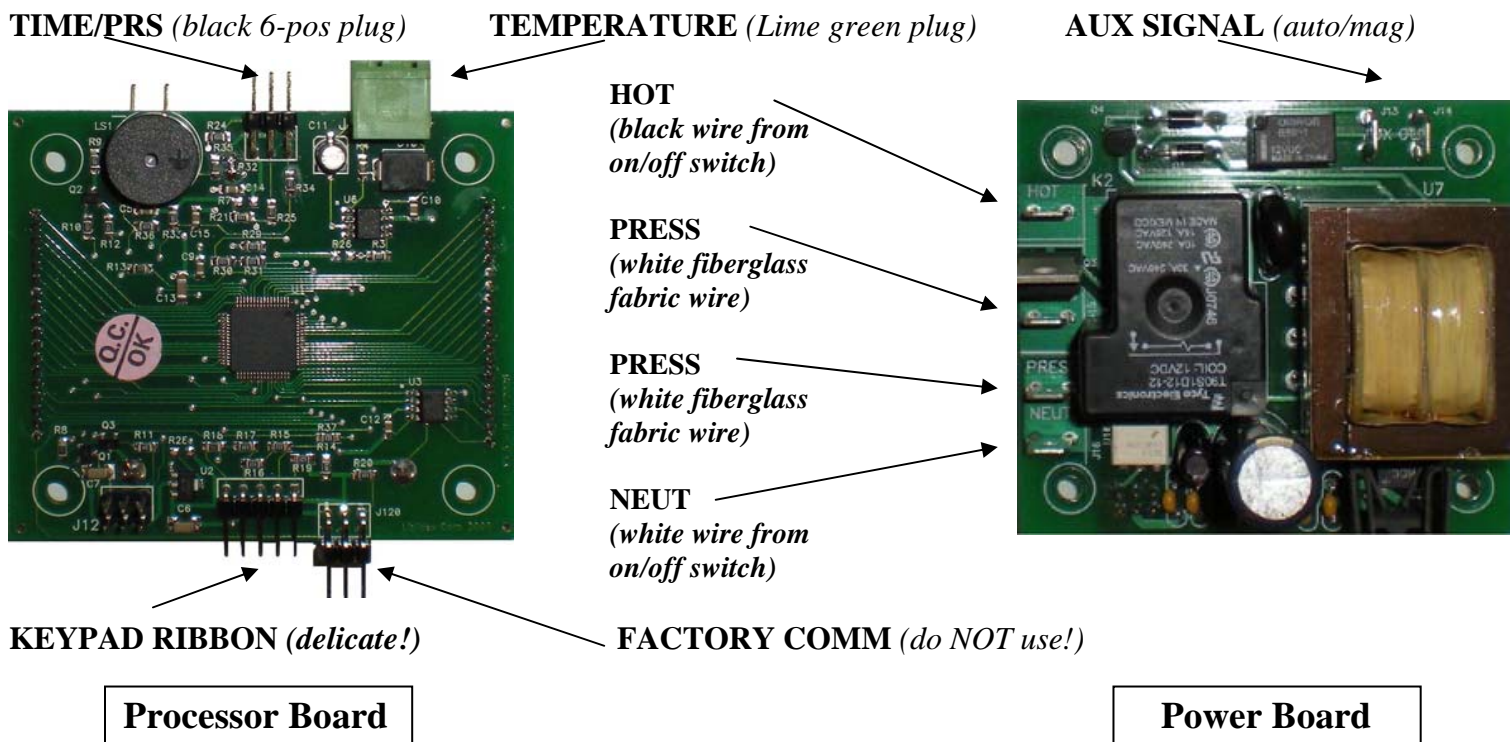


Replacing & Rewiring the Digital Knight Controller Processor/Power Board



The Digital Knight controller is made up of two circuit boards. One is the Power board, which is visible from the inside. The other is the Processor board, which contains the LCD display panel. When replacing the processor board alone, there is no need to disconnect any wires from the Power board. Follow these steps:

1. Unplug the machine & open the control panel that houses the controller.
2. Remove the 3 or 4 long hex nuts that hold the power board in place.
3. Gently but firmly pull the power board away from the processor board, unplugging it from the processor board. The wires can be left plugged in, if the power board is not being replaced.
4. Unplug the keypad connector ribbon from the processor board. This is the green plastic ribbon with silver stripes that comes from the keypad and plugs into the bottom of the processor board.
5. Unplug the two connectors from the top of the processor board.
6. Remove the processor board from the posts, saving the white spacers that are on the threaded posts. Note that the smaller white spacers go in between the keypad & the LCD screen, the larger white spacers go in between the two circuit boards.
7. Repeat the steps in reverse. Squeeze the white spacers tightly on one end with pliers so they don't slide off the posts when reassembling the boards, if you need to.

Note – The TIMER/PRS connector may have 2 to 5 wires coming from it. With 5 wires, the empty position is closest to the Green Temperature Connector. If 4 wires, empty positions face rearward. If 2 – it doesn't matter.

CAUTION: BE very gentle when unplugging the keypad connector from the controller or it can tear. The keypad buttons will not work if the ribbon is torn.
CAUTION: Both boards must MATE together – make sure both boards are plugging into each other via the 6-pin connector in between the boards.