

TP2000 MAIN CONTROLLER ASSEMBLY REPLACEMENT INSTRUCTIONS

Tools Required:

No.1 & 2 Phillips screwdrivers and Needle Nose Pliers
 Wrist strap (or similar device) for ESD grounding

To Replace the Main Controller Assembly:

1. Verify that all replacement parts and tools are present.
2. Turn off the power switch, unplug the AC power cord, and disconnect all communication and interface cables.
3. **IMPORTANT: Properly ground yourself using an ESD wrist strap (or similar device) to prevent static discharge damage to the electronics.**
4. Remove two #6-32 Phillips screws and the Keyboard Interface Cover, located on the backside of the printer on the Enclosure Door, then remove four #6-32 Phillips screws from the Keyboard Interface Assembly and disconnect it from the Main Controller Assembly and the RS232 Interface Cable.
5. Remove the Gender Changer by loosening two Male-Female Hex Set Screws, and two Male-Female Hex Standoffs from the external side of J17 (connector assembled to the Main Controller Assembly), located on the backside of the Enclosure Door.
6. Remove two #4-40 Phillips screws from the external side of J16 (connector assembled to the Main Controller Assembly), located on the backside of the Enclosure Door.
7. Remove two #8-32 Phillips screws from the Enclosure Door and carefully open the door until it stops at a horizontal position.
8. Disconnect all connectors and remove three #6-32 Phillips screws from the Main Controller Assembly, then pinch the top end of each nylon standoff with the Needle Nose Pliers and carefully remove the Main Controller Assembly from the Enclosure Door. **IMPORTANT: Notice all connector locations prior to disconnecting from the Main Controller Assembly.**
9. Snap-in-place the new Main Controller Assembly on each nylon standoff and secure with the three #6-32

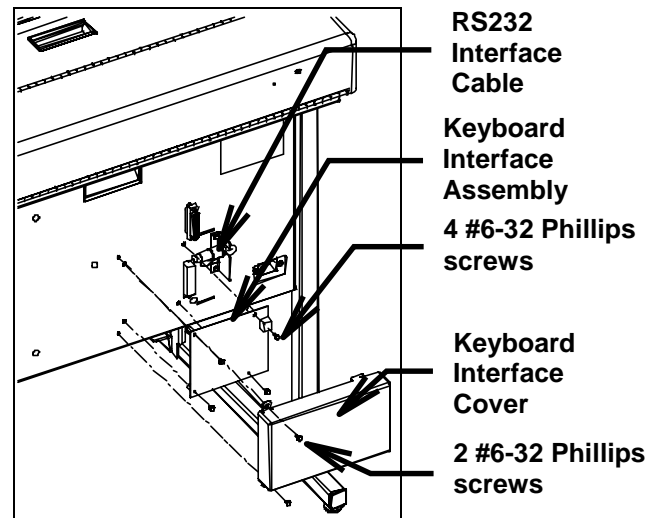


Figure 1

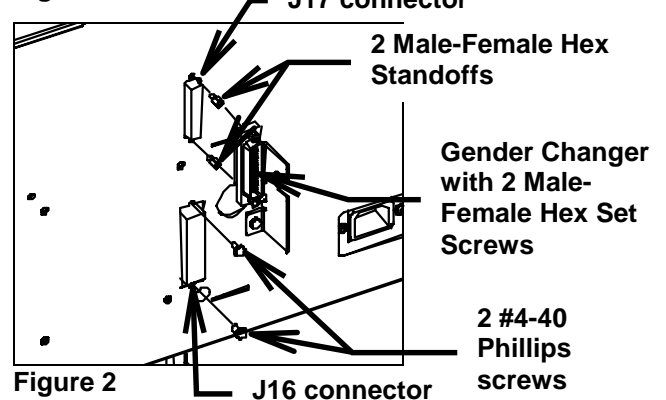


Figure 2

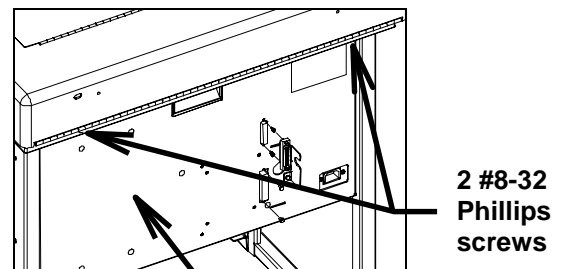


Figure 3

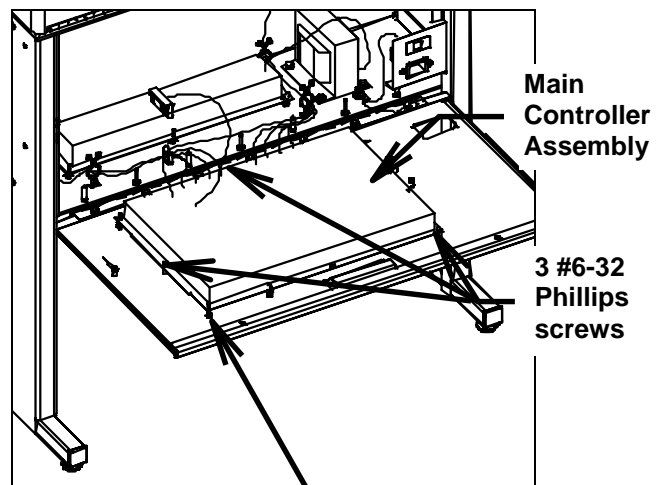


Figure 4

Phillips screws, from step 8, on the inside of the Enclosure Door, then reconnect all the connectors on the new Main Controller Assembly.

10. Close the Enclosure Door and secure with the two #8-32 screws from step 7.
11. Replace all parts, previously removed from the printer, in reverse order starting with step 6.
12. Reconnect all communication and interface cables, plug in the AC power cord and turn on the power switch.
13. Verify proper functionality by printing a self-test (*refer to the Operations and/or Maintenance Manuals if you need additional information*).

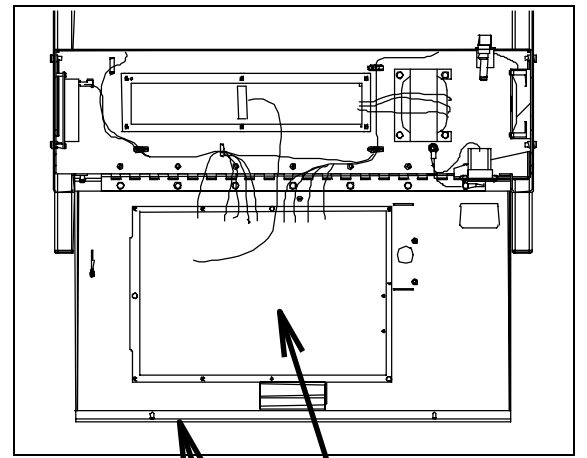


Figure 5

Main
Controller
Assembly

Enclosure
Door