

Cover removal procedures

Left Cover Removal

1. Power off and unplug the data and power cables.
2. Remove the two black Phillips screws (Figure 39, photos 1 & 2).
3. Remove the left cover (Figure 39, photo 3).



Figure 39. Left cover removal.

Right Cover Removal

1. Power off and unplug the data and power cables.
2. Remove the two black Phillips screws (Figure 40, photos 1 & 2).
3. Carefully pull the cover to the right to remove (Figure 40, photo 3).



Figure 40. Right cover removal.

Keypad procedures

Keypad replacement

Tools Required

- Phillips head screwdriver
- 11/32" wrench

1. Follow procedure for right cover removal.
2. Follow the procedure for bottom cover removal.
3. Unplug keypad cable from the main logic board and gently push through the hole in the right end plate (**Figure 47**, photos 1 & 2).
4. Rotate the machine back to normal operating position.
5. Remove the keypad resistor from the keypad (**Figure 47**, photos 3 & 4).
6. Follow the procedure for Y-transmission replacement later in this chapter and set the transmission aside.
7. Remove the two keypad mounting (11/32") nuts (**Figure 47**, photo 6).



Photo 1



Photo 3

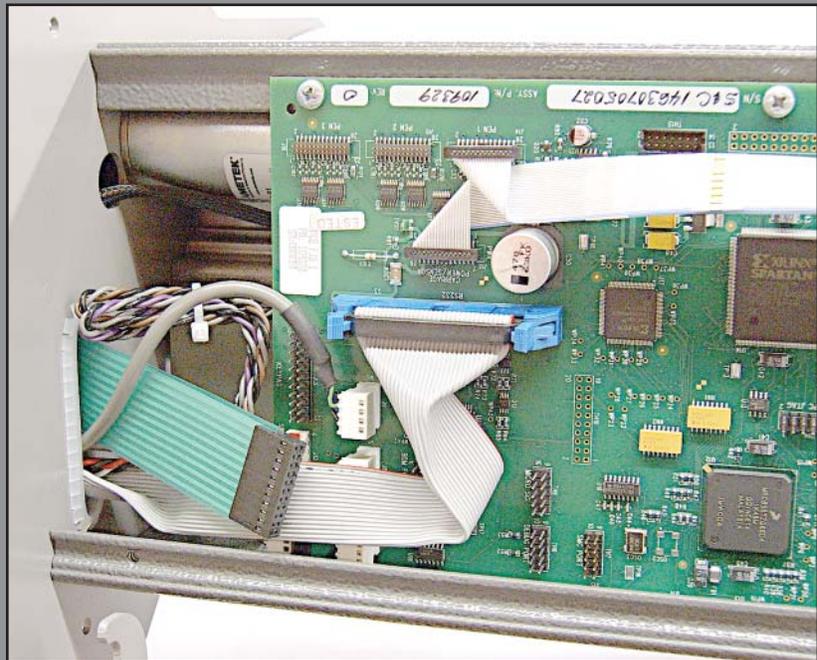


Photo 2

Figure 47. Bottom cover removal steps.

8. Remove keypad from the studs (**Figure 47**, photo 6).
9. Install the new keypad on the studs and tighten the nuts. Do Not over tighten. (**Figure 47**, photo 6).
10. Install the Y-axis transmission. (Follow Y-transmission procedure replacement in reverse).
11. Connect the keypad resistor to the hole in the keypad Do Not over tighten. (**Figure 47**, photos 3 & 4 & 5).
12. Rotate the machine to access the main logic board.
13. Loop the new keypad cable through the hole in the end plate and plug it into the new keypad cable for the main logic board. Take caution to plug the connector in properly. A missed row of pins will damage the main logic board and keypad. (**Figure 47**, photos 2 & 1) Note: **Pin #1** is marked with a sticker on the cable. Look on the main logic board for pin #1 and match pin to socket before plugging in the cable).
14. Install the bottom cover, as described earlier in this chapter.
15. Rotate the machine back to normal operating position and re-install screws that hold machine to stand legs.
16. Replace the right side cover.
17. Test the plotter.
18. If problems arise, contact Ioline Tech Support.

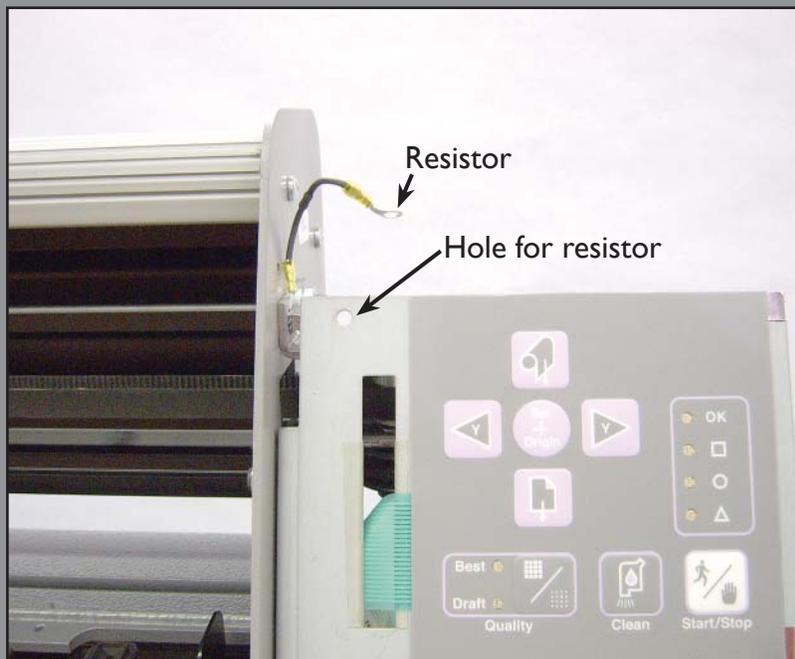


Photo 4



Photo 5

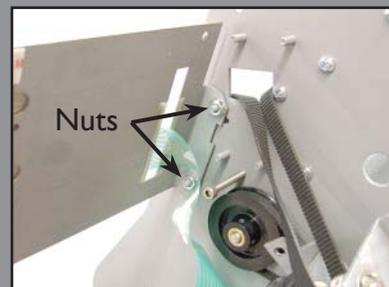


Photo 6