Procedure Title:	Replacing the EXT Controller Board
Machine Type:	Legend EXT
Tools Needed:	Philips Head Screw Driver
	Anti-Static Strap provided in shipment
	Lexan or Polycarbonate Safety Glasses

Note:	**It is recommended that safety glasses are worn during this procedure to prevent possible eye injury when working on the laser engraver.**

Introduction

This procedure details steps to replacing the controller board in the Legend EXT. Before starting on this procedure turn off the power to the machine and unplug the power cord from the machines power source.

NOTE: Included in the package that you received was an Anti-Static Strap. Wear the Anti-Static strap according to the instructions on the package. Always wear the Anti-Static strap when handling the control board. Static electricity can damage the control board.

NOTE: If the machine will still boot, before you remove the board, please proceed through step 4. This will save you a lot of set up time when the new board is installed.

If the board will not boot up skip to step 5, the controller board that you have been sent has been programmed with the settings that were used to set your machine up originally.

1.   If the machine will still boot up, before you remove the controller board, please record the following information from the Function and Configuration menus of the machine.

2.   To access the function menu in the engraver depress both the "GO" and the "Pointer" buttons on the display. To cycle through the headings depress the "Go" button

Serial Number   _____

IP Address   _____

Subnet Mask   _____

Gateway   _____

3.   From the Configuration menu you will need to record the following information. To cycle through the Configuration menu, depress the right directional arrow
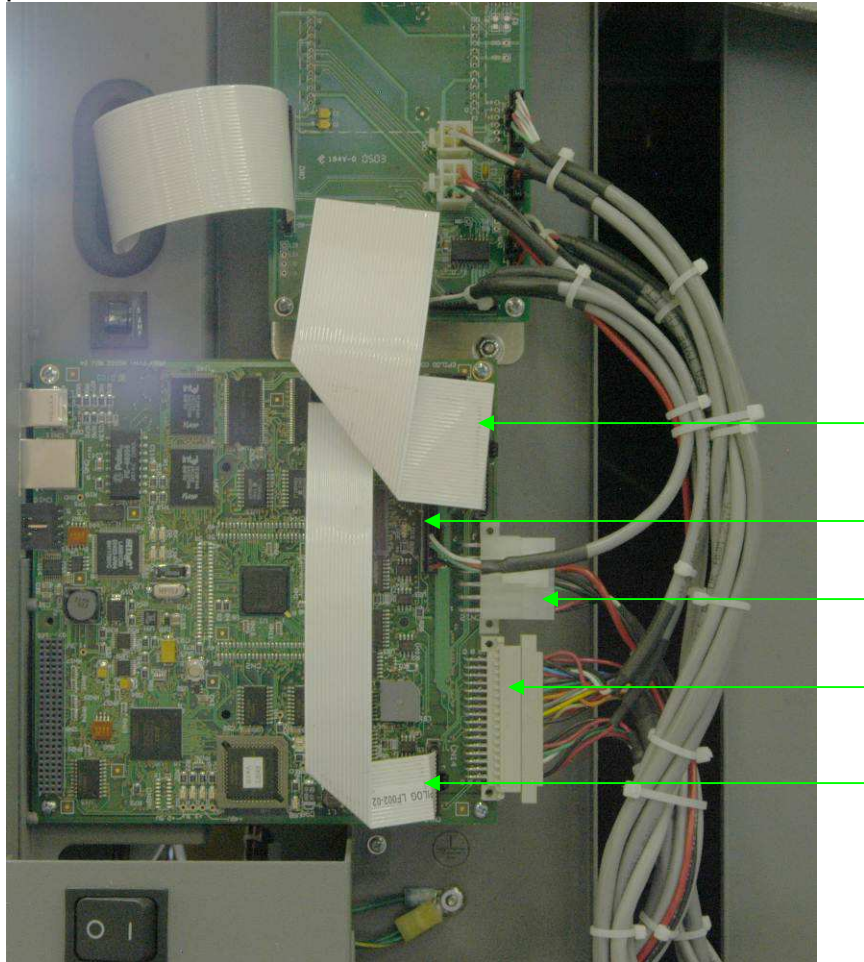
X-Home   _____

Y-Home   _____

X-Rotary Home   _____

Y-Rotary Home   _____

Laser Match   _____

Stamp Match   _____
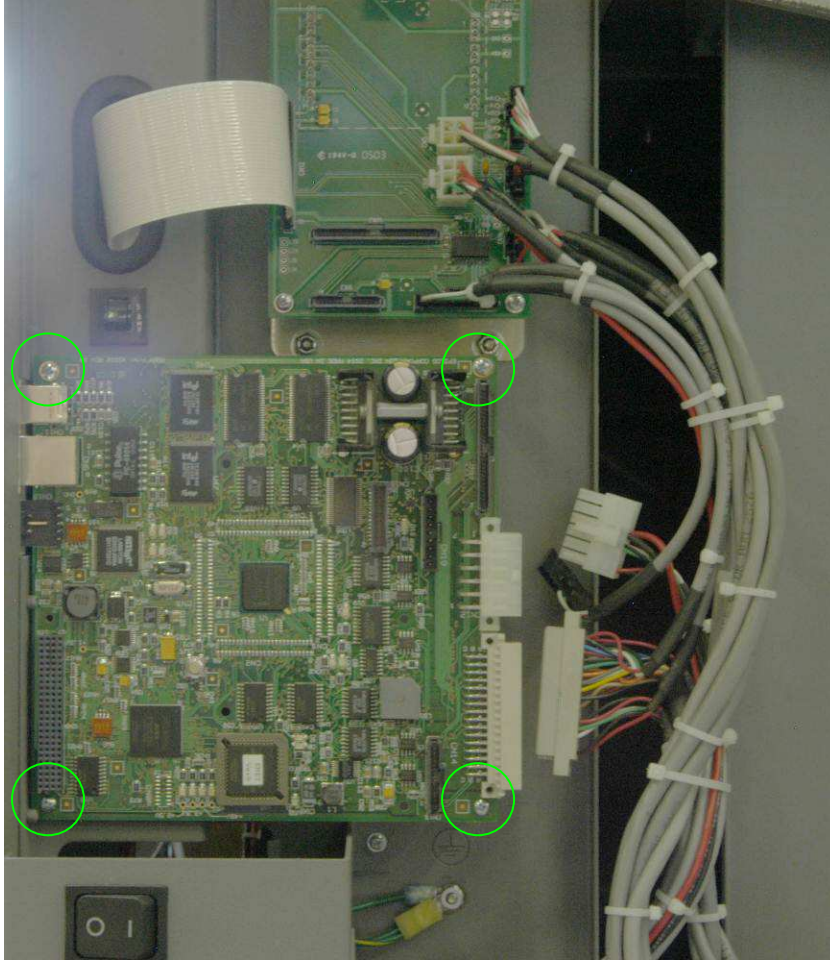
System unit   _____

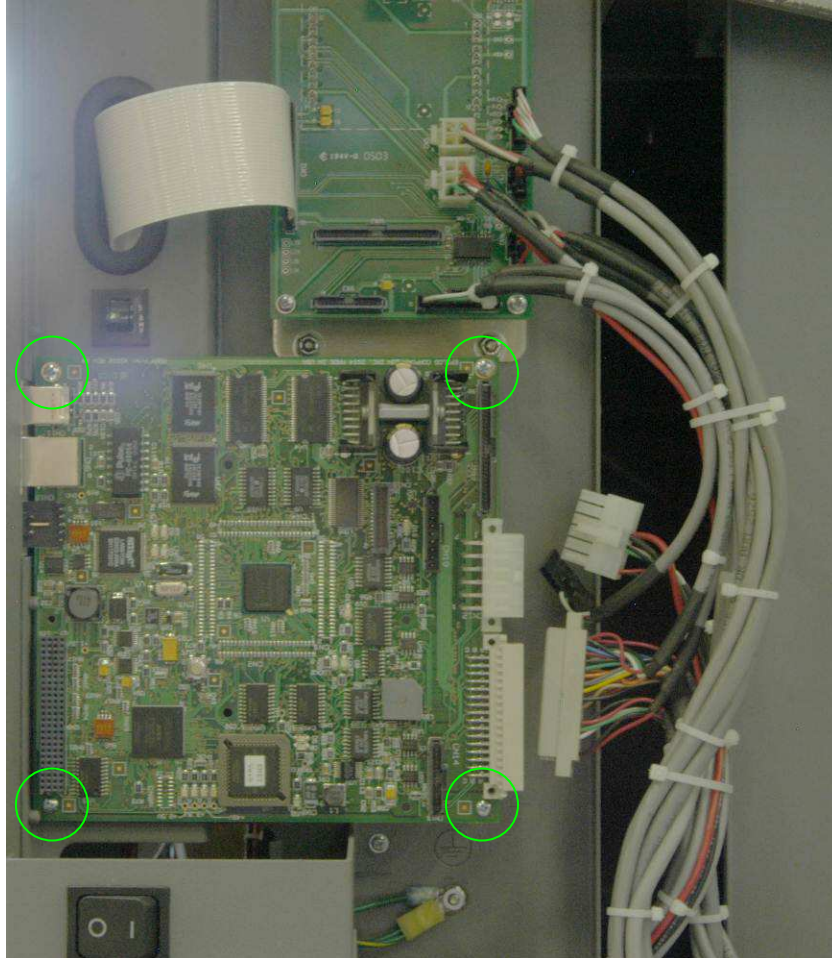**Procedure:**

4.   Remove the left side panel.

5. Disconnect the five electrical connections from the board shown in the picture below.
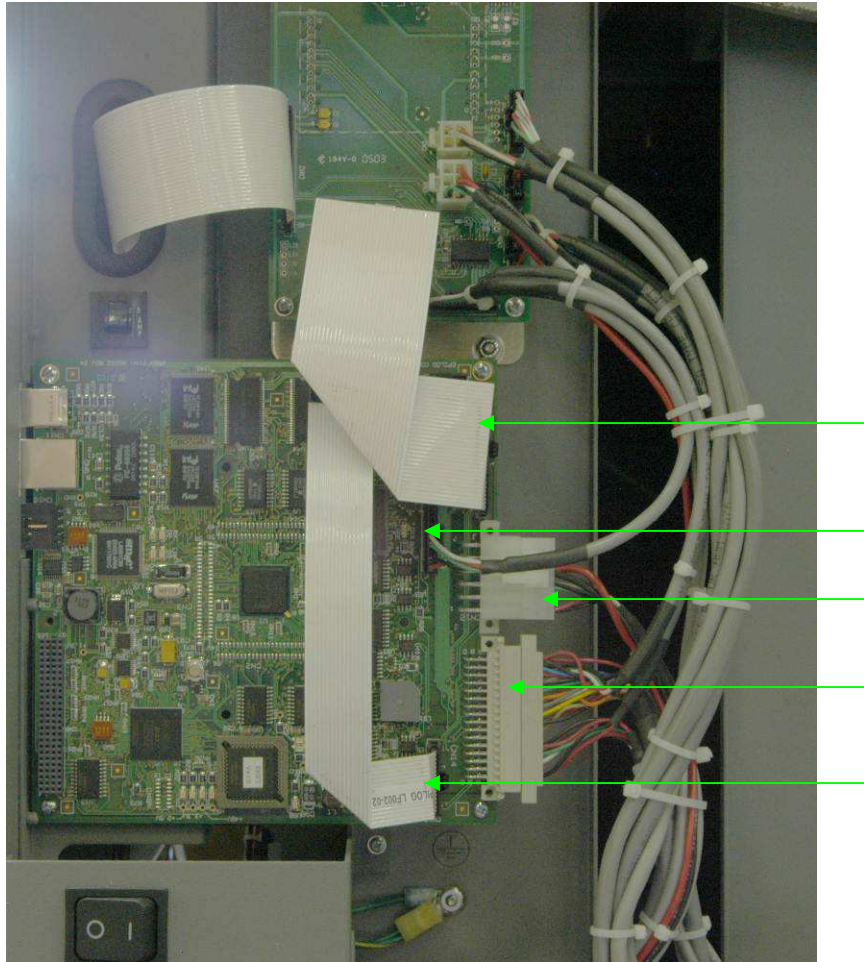
6.   Unscrew the four screws on each corner of the control panel. The screws are highlighted by the circles in the picture below.

7. Remove the controller board, replace with a new controller board and tighten the four screws on each corner of the controller board.

8.   Reconnect the five connectors to the controller board.

9.   Replace the side panel.

10.   Plug in and turn on the machine.

11.   Once the machine boots completely, re-set your IP address that was
        collected at the beginning of this document and then enter the information
        that was logged from the calibration menu at the beginning of this
        document.

If you have any questions, please contact Epilog's Technical Support
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