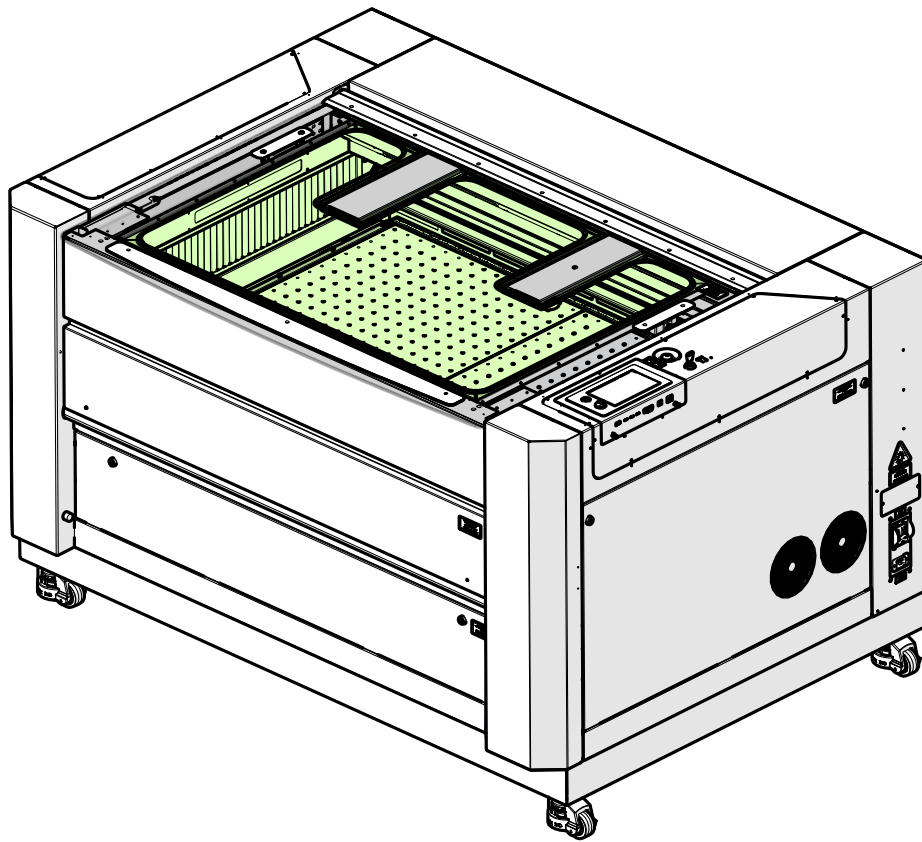


Z-Axis Board (PCB) Replacement Fusion Pro 32 & 48



Parts Required

- CS0359 - PCBA, Z-Axis Switches

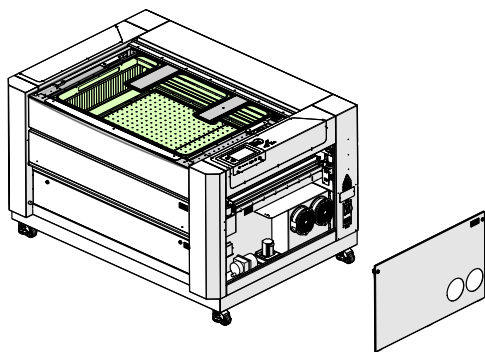
Tools/Materials Required

- 5/32" Allen Wrench
- 5/16" Nut Driver or Adjustable Wrench
- Pencil or Marker

Z-Axis PCB Replacement

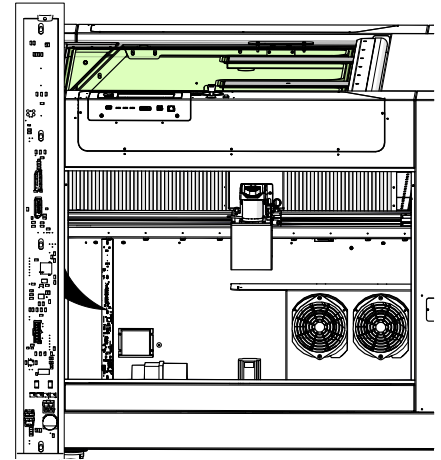
Z-Axis PCB Removal

1. Turn off the engraver.
2. Disconnect the engraver from power.
3. Remove the right panel of the engraver:

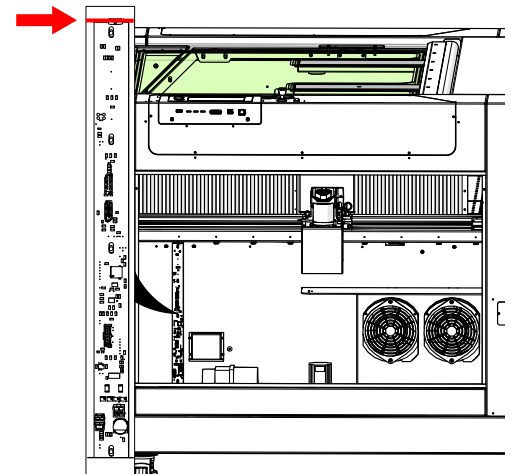


4. Place the anti-static strap around your wrist and attach the clamp to a bare metal surface on the engraver.

5. Locate the Z-axis PCB at the front right side of the engraver:

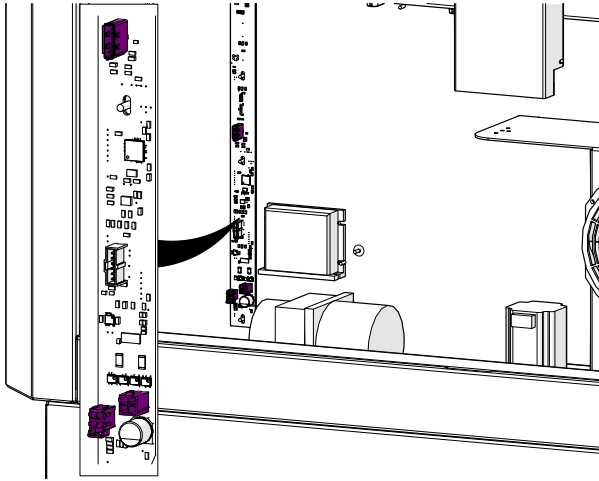


6. Use a pencil to make a mark on the engraver chassis at the top edge of the z-axis PCB to help ensure the correct height placement of the replacement z-axis PCB:

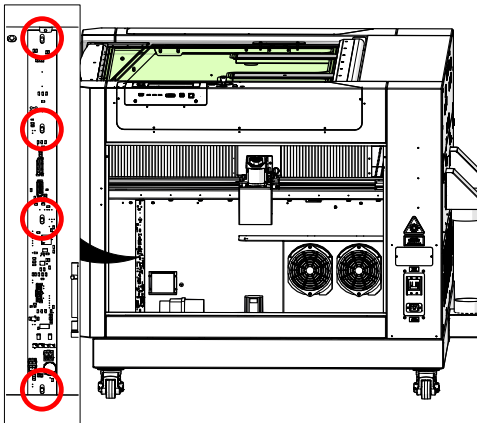


16000 - Z-Axis PCB Replacement

7. Disconnect the display port cable and the two (2) electrical harnesses on the z-axis PCB:

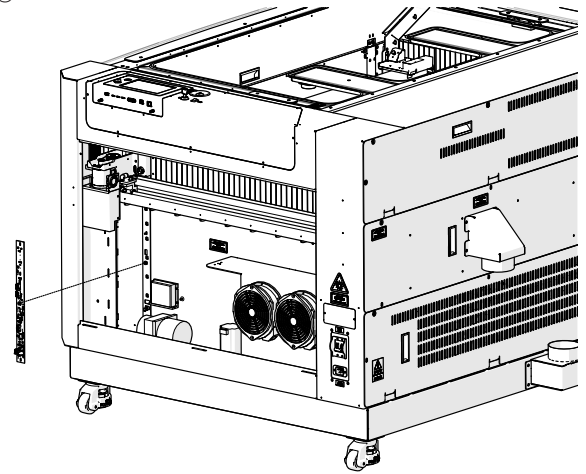


8. Loosen and remove the four (4) 5/16 nuts that secure the z-axis PCB to the engraver chassis:



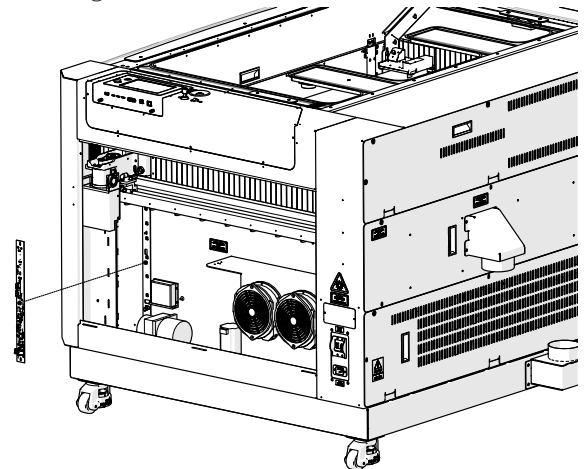
The air assist pump may need to be loosened to gain access to the bottom-most z-axis PCB nuts. Loosen the air assist pump via the four (4) Phillips screws that secure it to the bottom of the engraver.

9. Remove the z-axis PCB from the engraver:

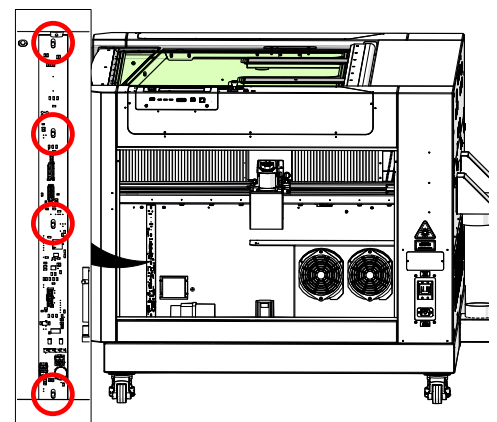


Z-Axis PCB Installation

1. Place the z-axis PCB over the mounting screws:

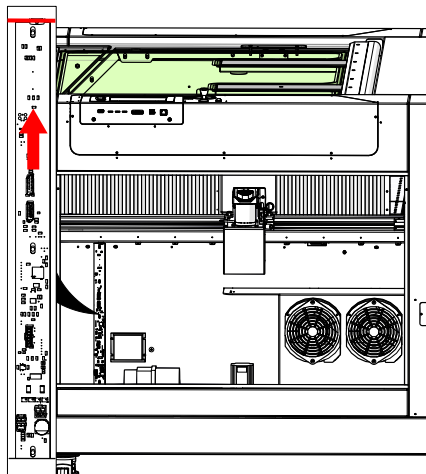


2. Install but do not fully tighten the four (4) 5/16 nuts that secure the z-axis PCB to the engraver chassis:

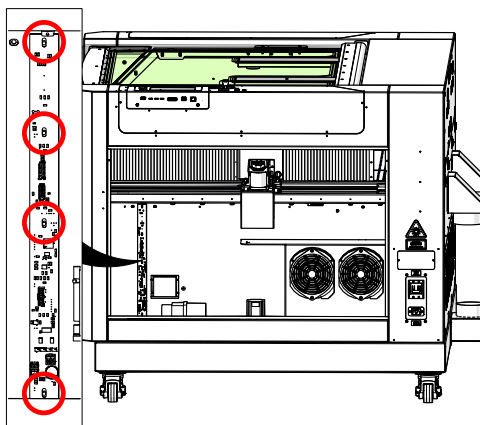


16000 - Z-Axis PCB Replacement

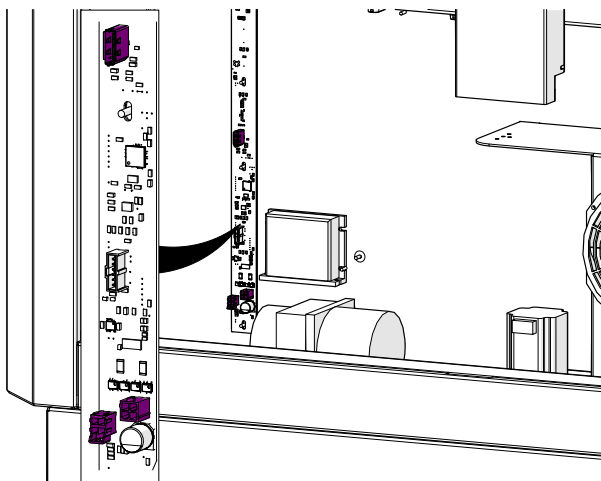
3. Lift the z-axis PCB until the top edge of the PCB lines up with the mark created in step 6 of the removal procedure:



4. Tighten the four (4) 5/16 nuts that secure the z-axis PCB to the engraver chassis:



5. Connect the display port cable and the two (2) electrical harnesses to the z-axis PCB:



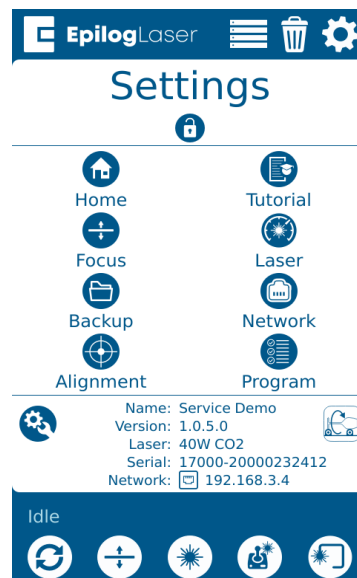
6. Replace the right side panel of the engraver.
7. Reconnect to power and turn on the engraver.

Programming the Z-Axis PCB

1. At the display panel, press the gear icon in the upper right-hand corner of the display to open the Settings menu:

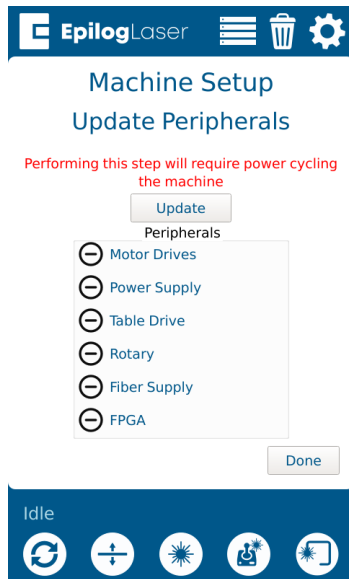


2. Press Program to enter the Peripheral Update menu:



16000 - Z-Axis PCB Replacement

3. Once in the Peripheral Update menu, select Motor Drives and FPGA. Press Update:



When running a peripheral update, do not power off the engraver. During a peripheral update it is common for the display to power off. Once the update has been applied, the engraver will prompt to restart.

4. Once the engraver prompts you to restart, power cycle the engraver.

If further assistance is required, contact Epilog Laser Technical Support by phone at 303-215-9171, or by email at tech@epiloglaser.com.