TechSupport

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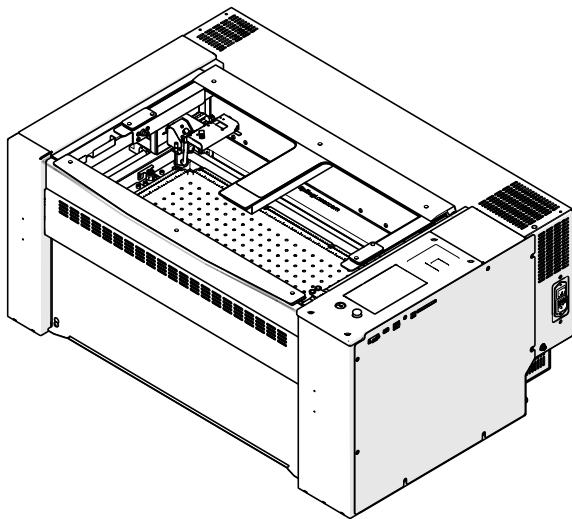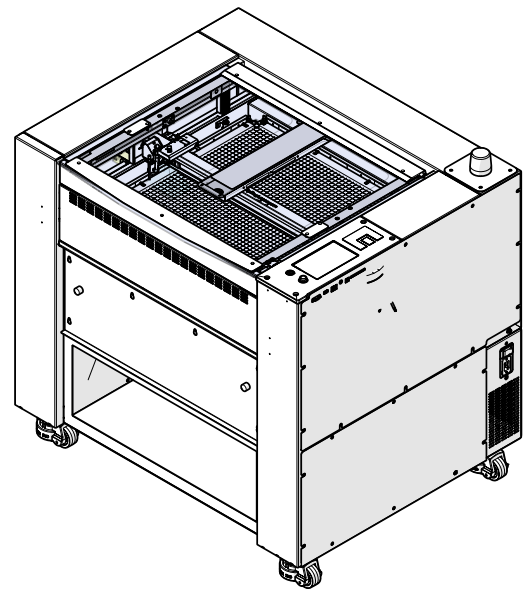tech@epiloglaser.com
303-215-9171

X-Axis PCB Replacement
Edge 12, 24 & 36, Pro 24 & 36

Parts Required

- LC0806 - PCBA, X-Axis Interface

Tools Required

- 5/32" Allen wrench
- Phillips head screwdriver
- Anti-static strap

An anti-static strap is required when working with any PCB in the Fusion Edge and Fusion Pro engraver. This strap prevents the buildup and accidental discharge of static electricity which can damage sensitive electronic components.

Using the Anti-Static Strap

An anti-static strap is required when working with any PCB in the Fusion Pro engraver. This strap prevents the buildup and accidental discharge of static electricity which can damage sensitive electronic components.

1. Remove the anti-static strap from packaging.

2. Place the strap around your wrist and adjust the strap to be tight but comfortable.

3. After sizing the strap, ensure that the adjustment clamp is in the closed position:

Clamp Closed

Clamp Open

There is a small metal plate on the inside of the anti-static strap. Ensure that this metal plate is in contact with your skin.
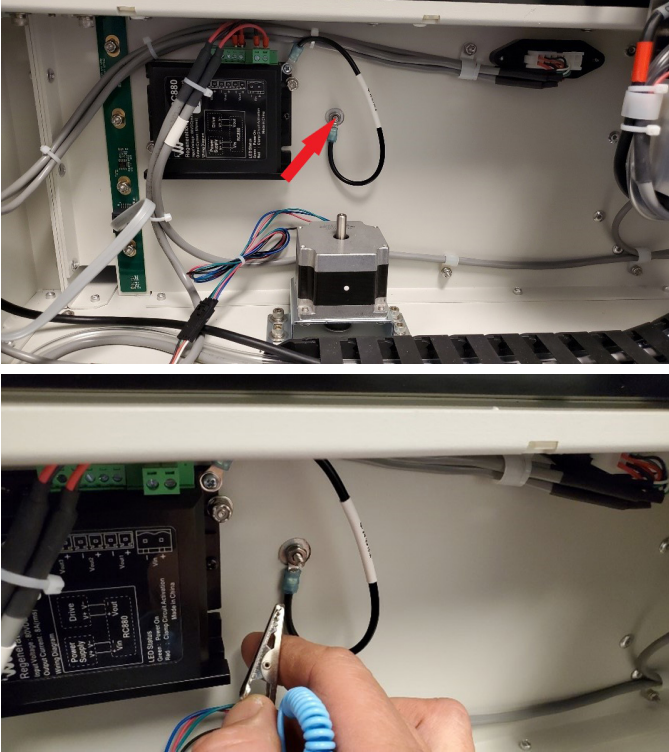
4. The image below shows the correct way to wear the anti-static strap:

5. Once the strap is secure to your wrist, attach the alligator clip to a bare metal surface in the engraver. Common locations include screw through holes, engraver side panel tabs, or the chassis.
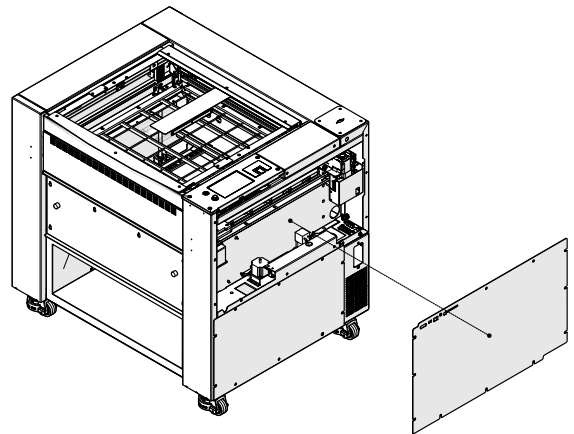
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6. The preferred location to attach the alligator clip is the chassis bolt that connects to the ground from the regenerative clamp, located behind the right panel of the engraver:
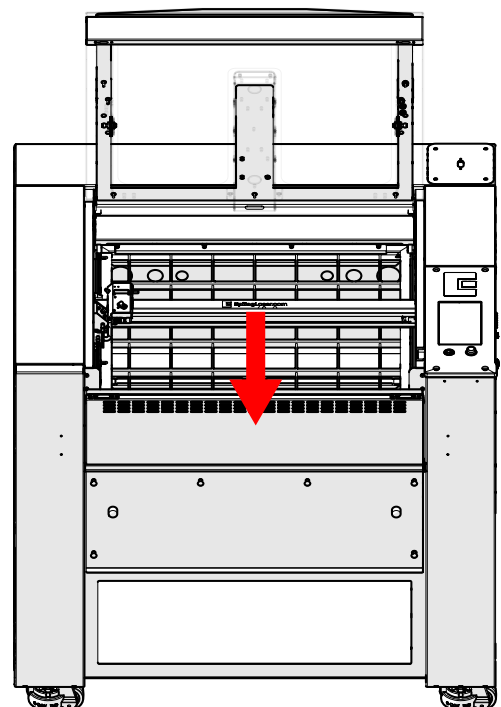

X-Axis PCB Replacement

X-Axis PCB Removal

1. Turn off the engraver.

2. Disconnect the engraver from power source

3. Remove the right panel of the engraver:

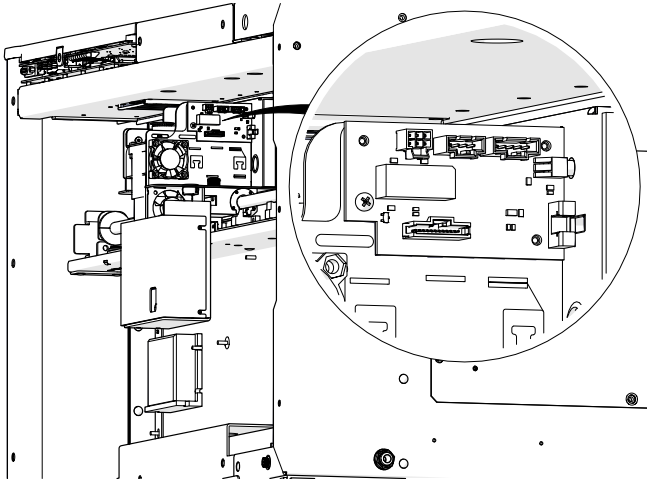4. Manually move the x-axis assembly to the middle of the engraver:
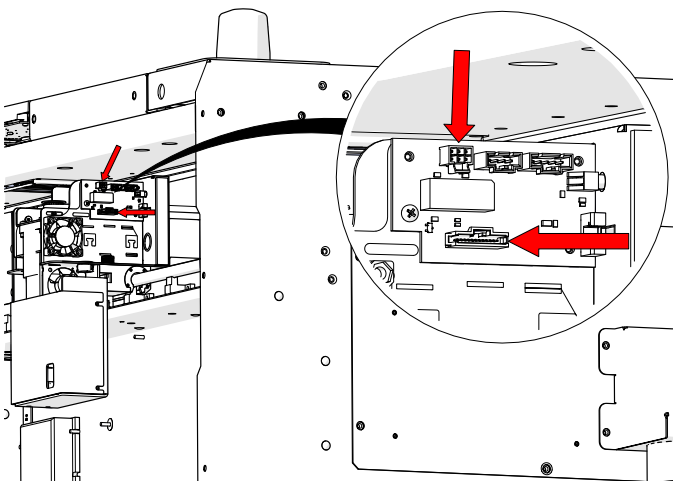
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5. Place the anti-static strap around your wrist and attach the clamp to a bare metal surface in the machine.
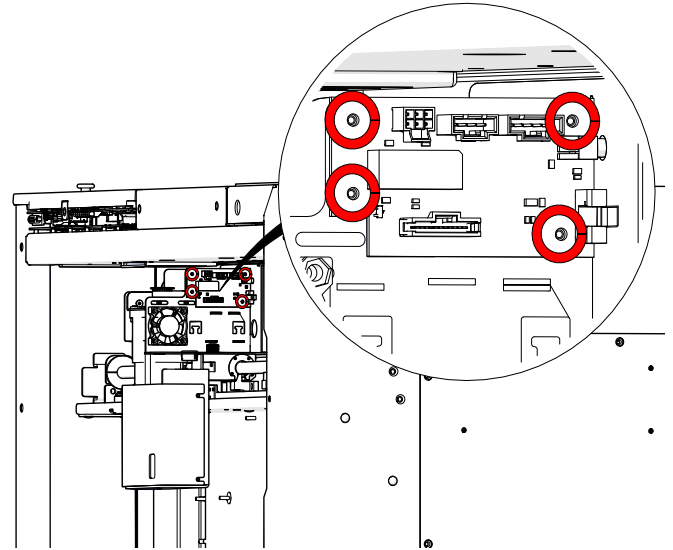
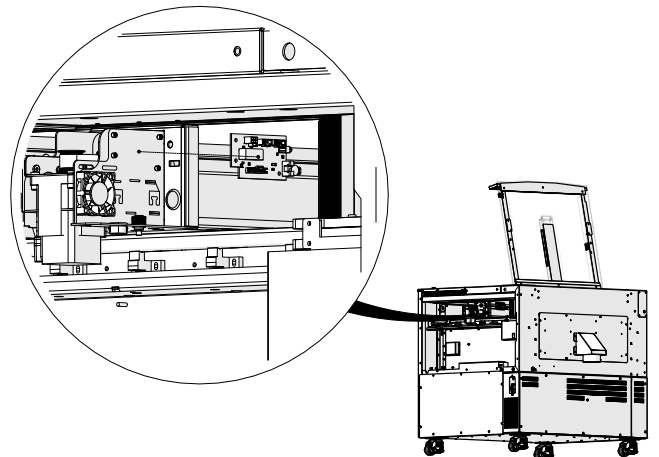6. Locate the X-Axis PCB located on the rear of the X-Axis assembly:

7. Disconnect the autofocus sensor harness and flex cable from the x-axis PCB:

8. Loosen and remove the four (4) Phillip screws that secure the x-axis PCB to the x-axis assembly:
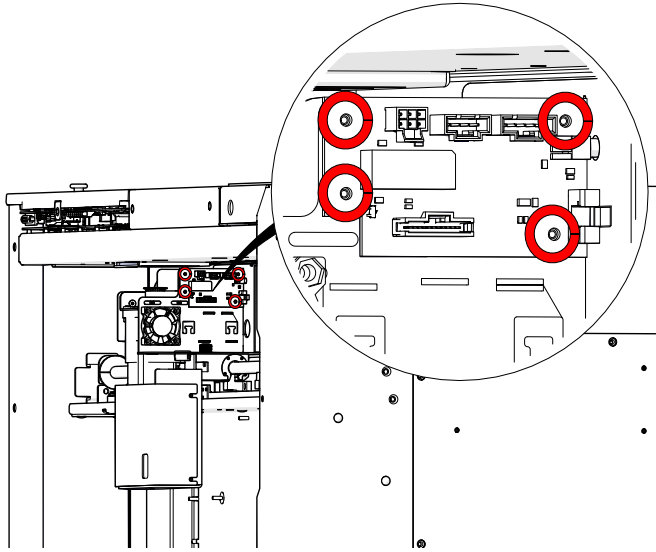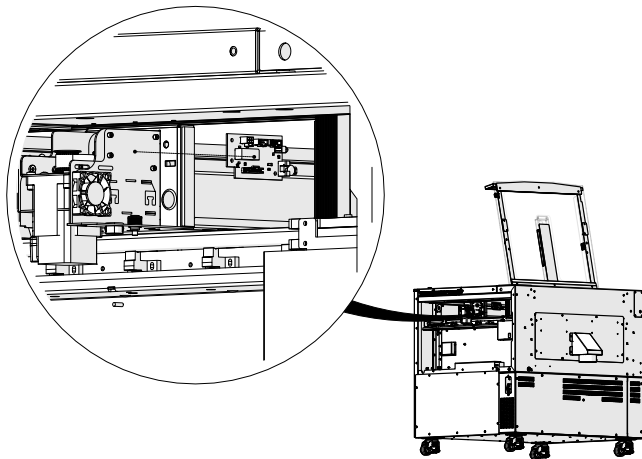

9. Remove the x-axis PCB:

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8. Loosen and remove the four (4) Phillip screws that secure the x-axis PCB to the x-axis assembly:
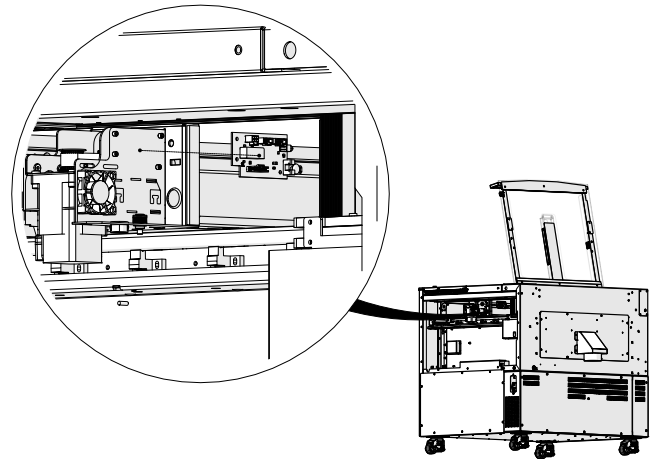

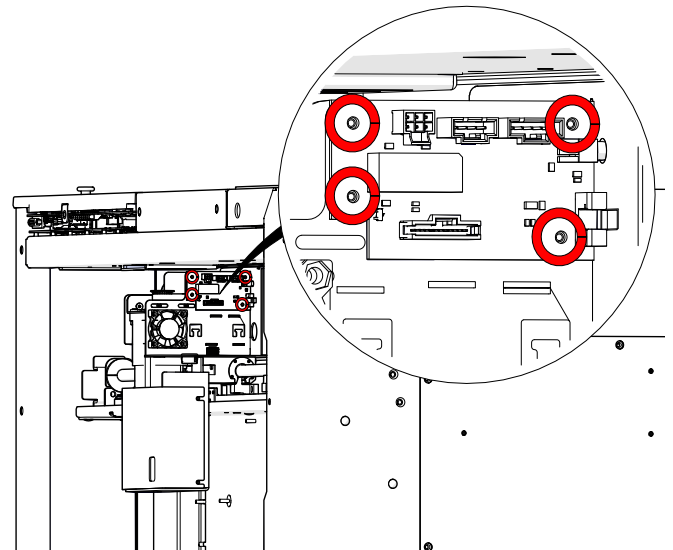9. Remove the x-axis PCB:

X-Axis PCB Installation

1. Place the anti-static strap around your wrist and attach the clamp to a bare metal surface in the machine. Refer to Chapter 9 for further information on using the anti-static strap.

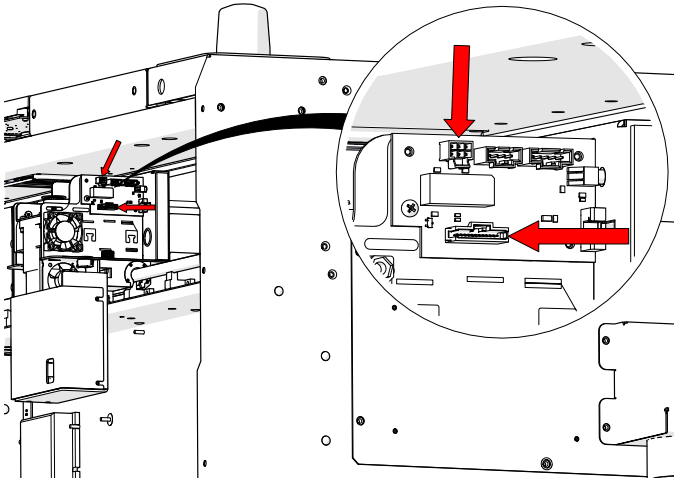2. Place the x-axis PCB into position:

3. Install and tighten the four (4) Phillip screws that secure the x-axis PCB to the x-axis assembly:

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4. Connect the autofocus sensor harness and flex cable to the x-axis PCB:

5. Replace the right panel of the engraver.

If further assistance is needed, please rech out to Epilog Tech Support by phone at 303-215-9171 or by email at tech@epiloglaser.com.