



EPILOG LASER

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Procedure Title: Removing the X-axis assembly from the Fiber Mark Laser Engraver

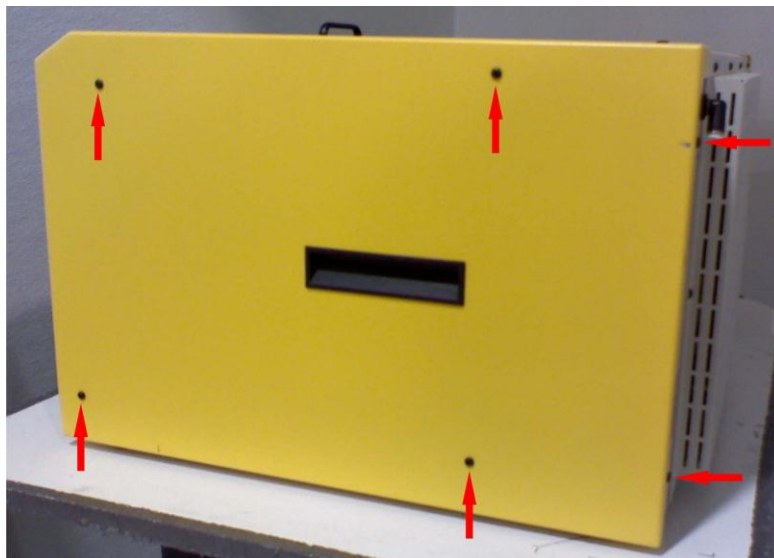
Tools Needed: #2 Phillips Screw driver

Introduction: Replacing the x-axis belt on the fiber mark requires that you remove the x-axis rail to aid in the removal and installation of the bearing guard on the bottom of the rail assembly. This makes this procedure a 4 step process which involves;

- removing the rail
- replacing the belt
- reinstalling the rail
- checking the alignment.

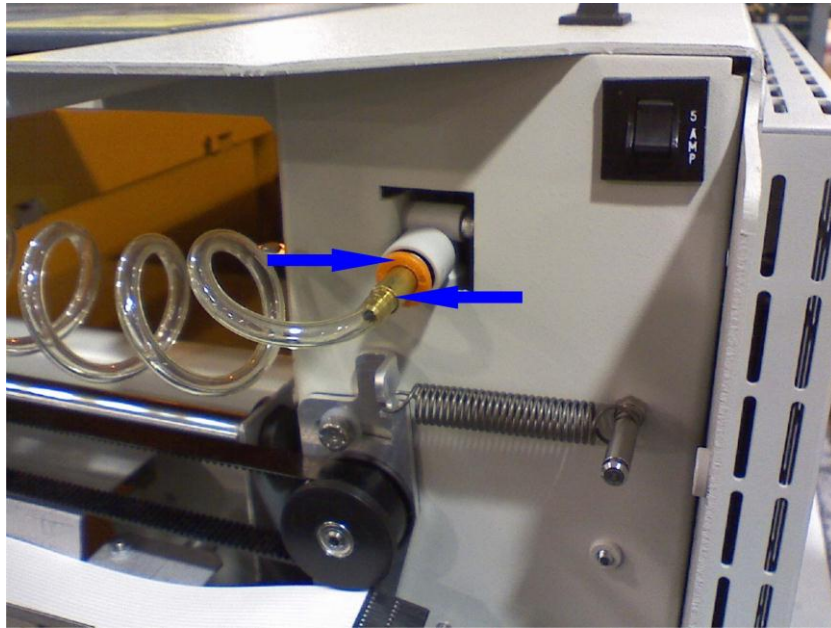
Additional Technical notes needed to complete this process:
Optically aligning your FiberMark laser engraver

1. Turn off the machine and disconnect it from the power source.
2. Remove the right and left side panel from the machine by removing the six Phillips head screws on each side panel. There are four on each side and two on the rear of the machine as shown in picture 1



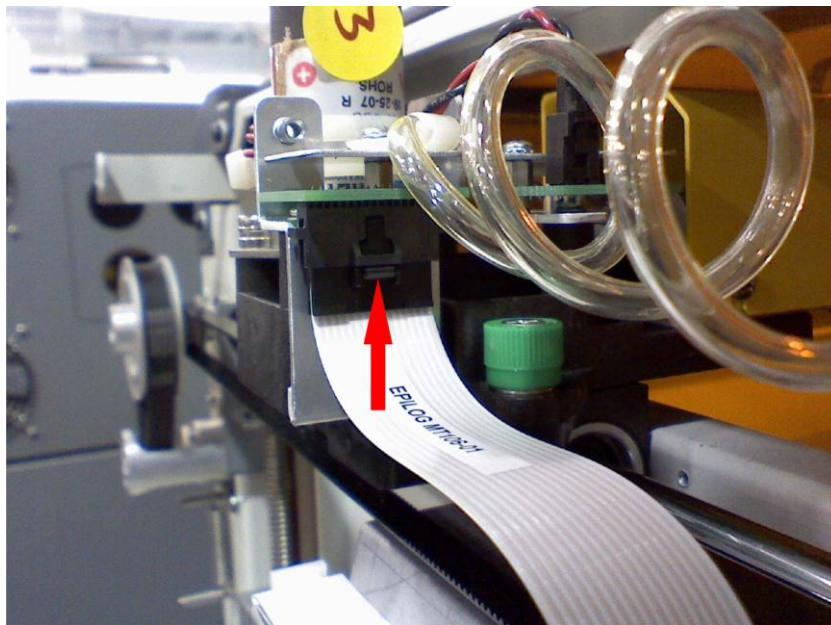
Picture 1

3. Remove the air assist connection from the X-axis assembly (picture 2). This done by pushing in on the ring that surrounds the connector and pulling the connector, this can take some force in both directions.



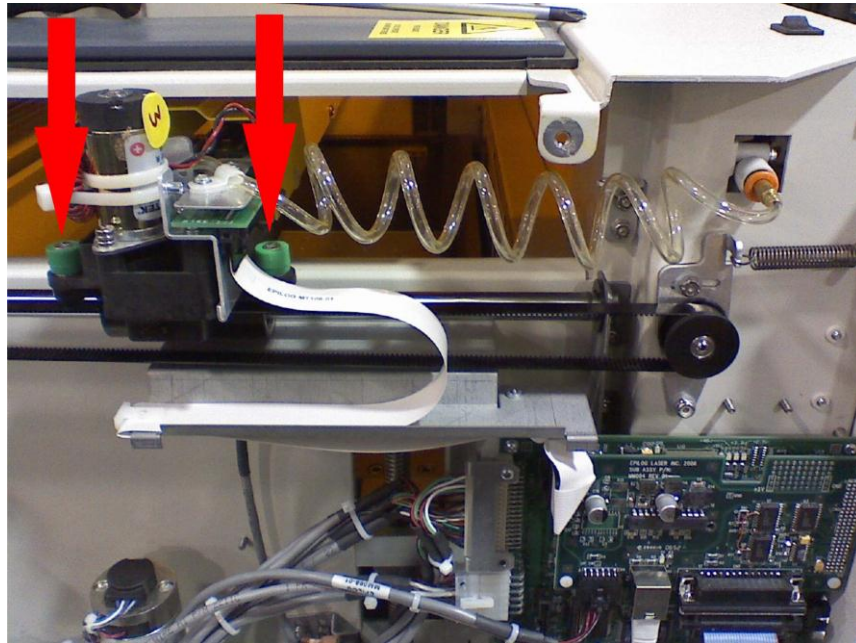
Picture 2

4. Disconnect the white ribbon (picture 3) cable that plugs in to a circuit board located on the right hand side of the rail assembly. To do this, you will need to push in on the thumb clip for the connector pull down on the connector.



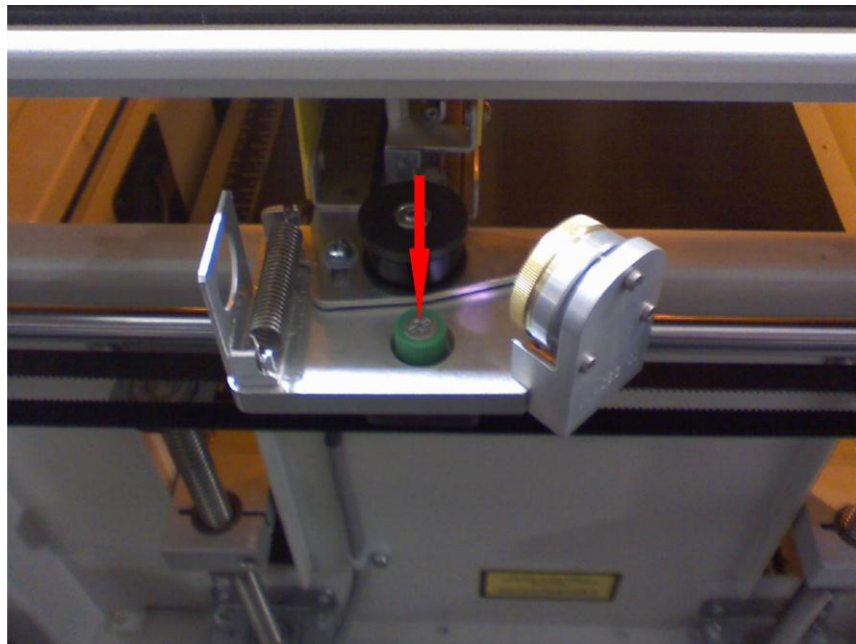
Picture 3

- Using the Phillips head screwdriver, loosen the 2 screws with the green casing on the X-axis assembly. One is located just to the right and rear of where the white ribbon cable connects and the other is located on the front side of the X-axis assembly, just next to the X motor (picture 4).



Picture 4

- Loosen the screw with the green casing on the left side of the X-axis assembly using the Phillips head screwdriver (picture 5).



Picture 5

7. By lifting up on both sides of the X-axis assembly, you will free it from the brackets that it sits in. At this point, position the right side of the X-axis assembly to the rear of the machine and bring the left side to the front of the machine. You will be able to slide the X-axis assembly to the right until the left side of the X-axis assembly clears the chassis wall. Now, lift the left side of the X-axis assembly up so the X motor on the right side clears the chassis wall and the X-axis assembly can now be fully removed from the machine.

8. To re-install the X-axis assembly, simply reverse steps 6 back down to 1. Be sure to use a new nylon tie to secure the white ribbon cable to the X-axis assembly mentioned in step 3.

9. Refer to the Mini alignment tech note once you are finished to ensure proper alignment.

If you have any further questions about this procedure, you can contact Epilog technical support at:

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