



## EPILOG LASER

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Golden, Colorado 80403

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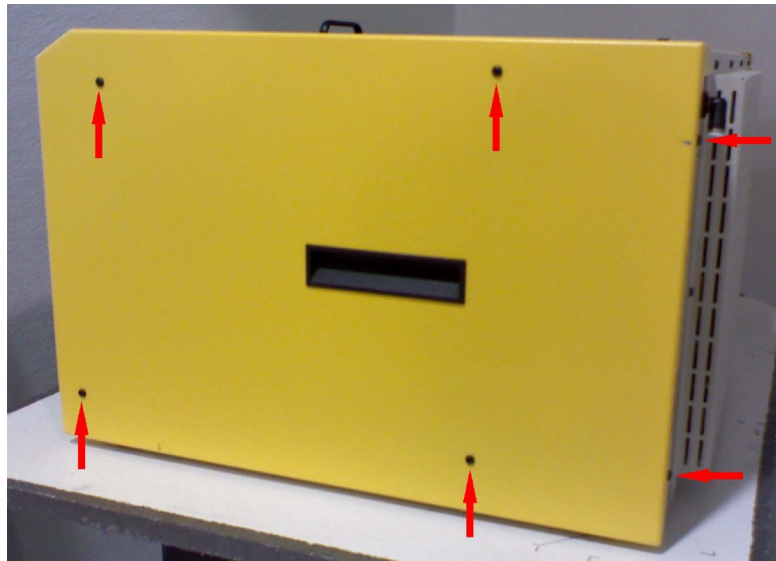
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**INTRO:** To replace the x-axis belt on the fiber mark will require you to remove the x-axis rail to help with removing and reinstalling the bearing guard on the bottom of the rail assembly making the procedure a 3 phase process which involves; removing the rail, replacing the belt, and reinstalling the rail.

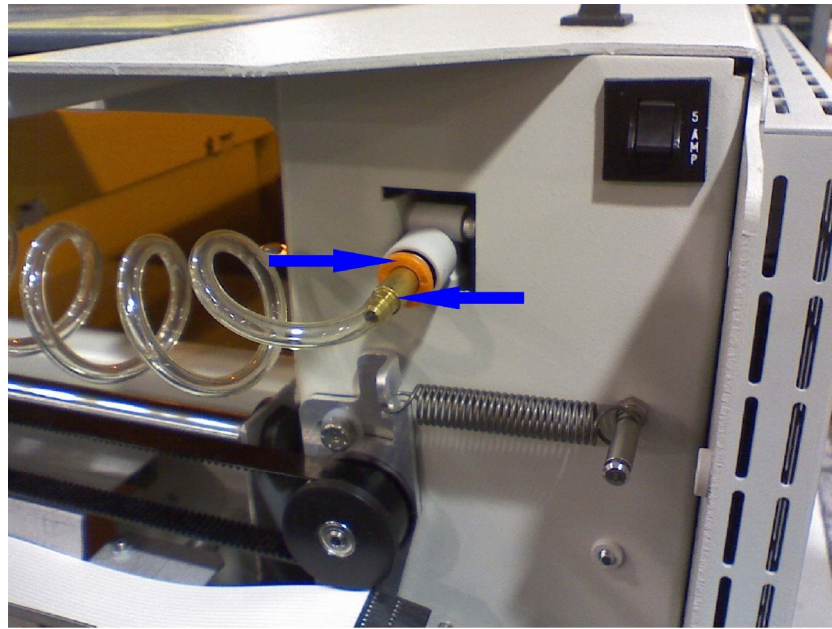
## Removing the Rail on the Fiber Mark Laser Engraver

**Tools needed:** No. 2 Phillips head screwdriver

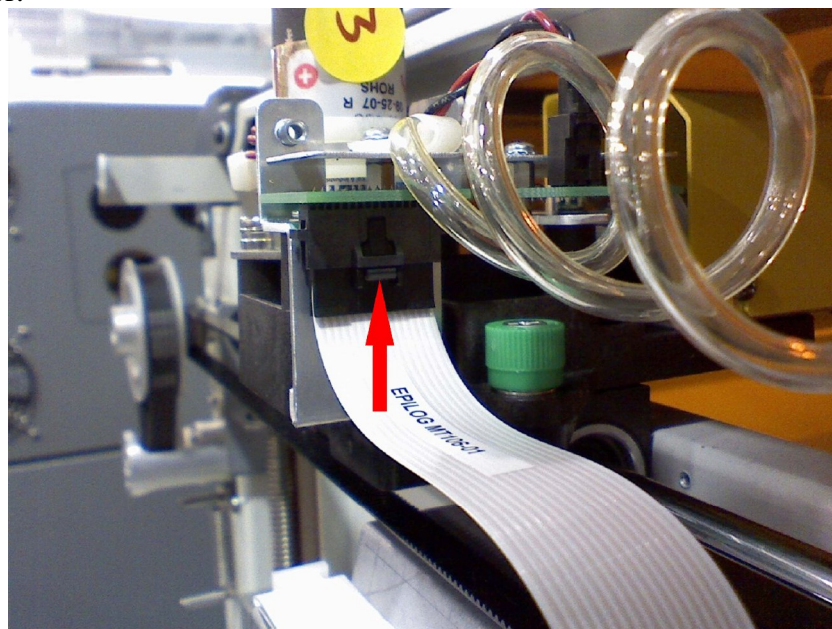
1. Make sure the machine is turned off. Face the front of the machine and pull the right and left side panel off of the machine off by removing the 6 Phillips head screws on each side. There are 4 on each side and the other 2 are on the back on both sides of the machine.



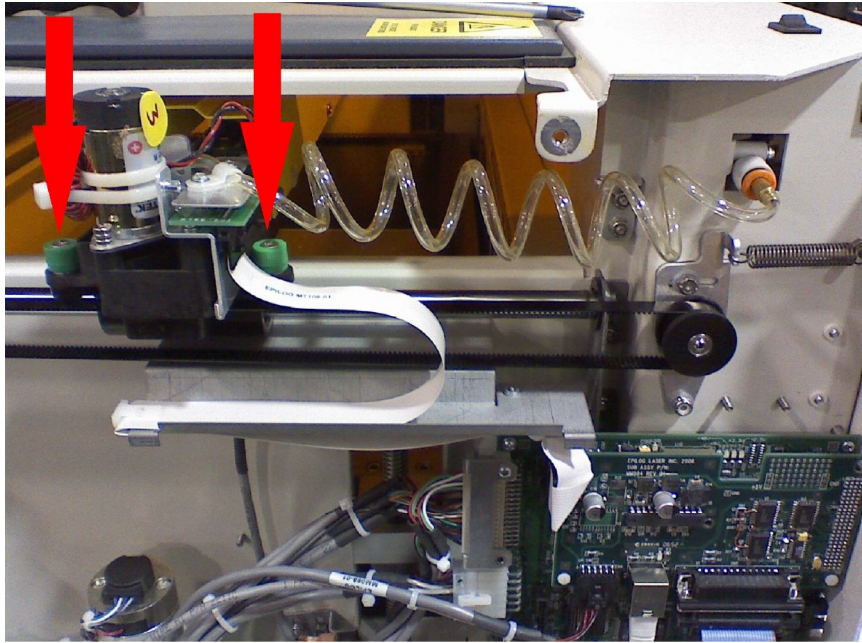
2. At this point, the air assist tube needs to be removed from the I-beam. This done by pushing in on the ring that surrounds the connector and pulling the connector, this can take some force in both directions.



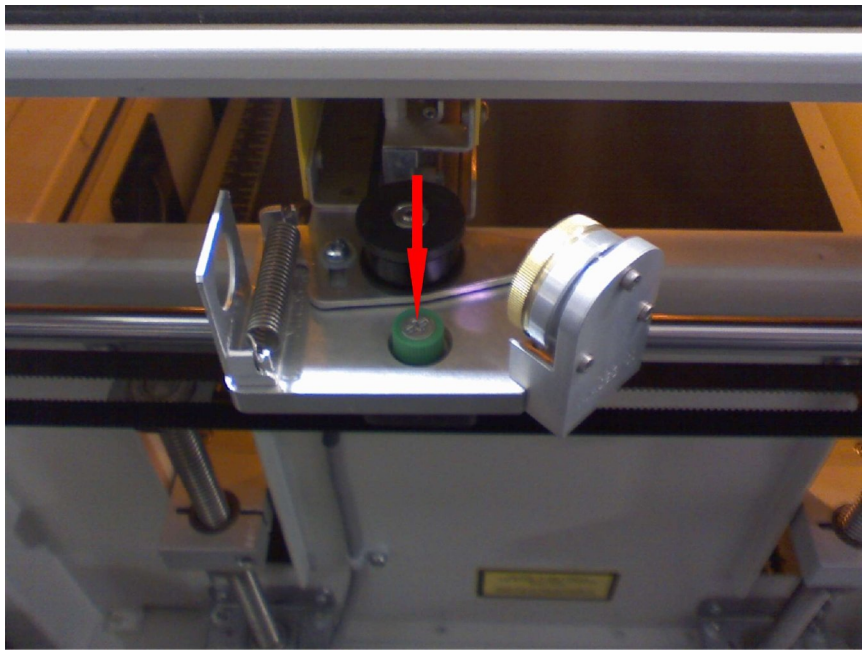
3. Next, you will need to remove the white ribbon cable that plugs in to a circuit board located on the right hand side of the rail assembly. To do this, you will need to push in on the thumb clip for the connector pull down on the connector.



4. Using the Phillips head screwdriver, loosen the 2 screws with the green casing on the I-beam. 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 I-beam, just next to the X motor.



5. Now, loosen the screw with the green casing on the left side of the I-beam using the Phillips head screwdriver.



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

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

8. 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:

Phone 303-215-9171

Fax 303-531-7594

Email [tech@epiloglaser.com](mailto:tech@epiloglaser.com)



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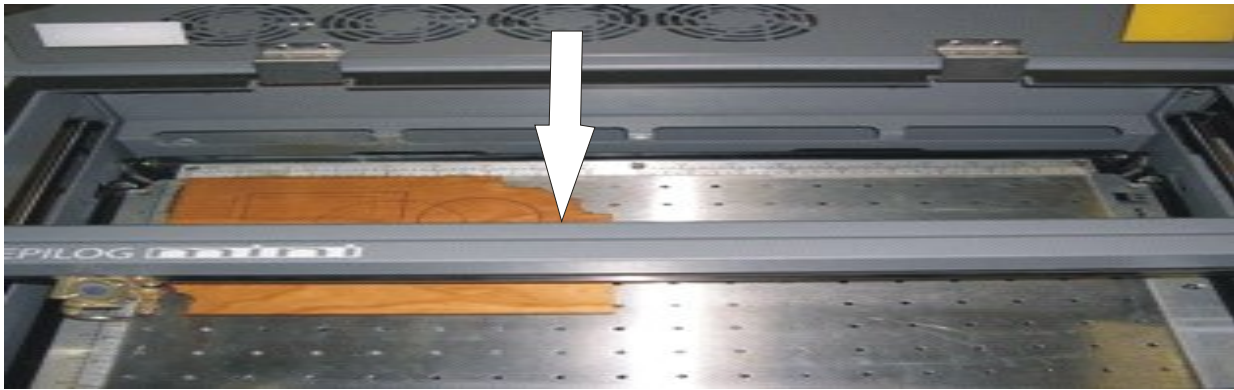
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Procedure Title: Replacing the X Axis Belt

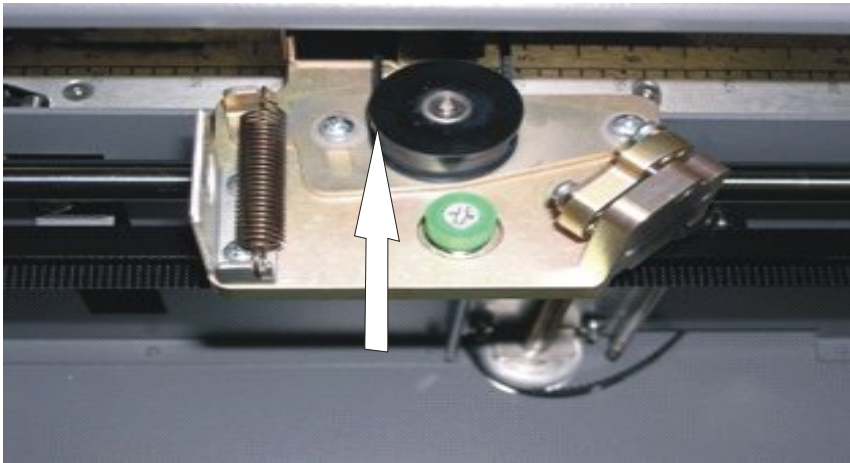
Machine Type: Epilog Mini

Tools Needed: #1 and #2 Screwdriver  
Stapler

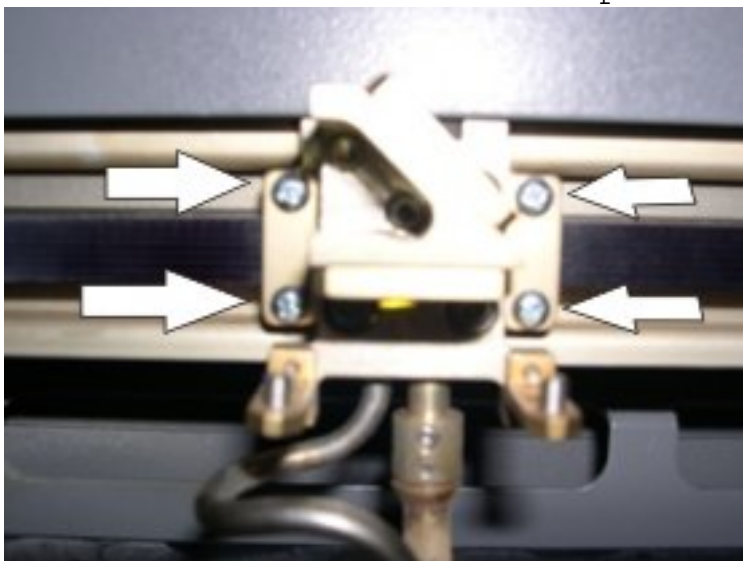
1. Turn off machine and unplug power cord.
2. Remove left side panel from engraver by removing the six screws that fix it to the body of the Mini. There are four on the side by the hand hold and two on the rear part of the cover.
3. Remove I-Beam cover by loosening the two screws on the front side of the beam and the four screws on the rear. It is the grey metal cover which has Epilog Mini printed on it. View picture 1.



4. Looking at the left side of the I-Beam loosen the Philips screw that sits between the black belt pulley and the spring and push bracket to extend spring to loosen belt tension. View picture 2.



5. Remove the four Philips screws that fix belt to each side of the laser head and leave belt in place.



6. Attach one side of old belt to the new belt with a stapler then pull on opposite end of old belt to fish the new belt through.

7. Attach one side of belt to laser head and tighten the Phillips screws that hold it in place.
8. With one side of the belt fixed in place measure the non-fixed end up to the laser head in order to cut belt to length.
9. The new belt should fit all of the way under its clamp while having just a little play from the beam. Tighten up the two Phillips screws.
10. Make sure belt runs in the center of the pulleys and does not rub any of the lips on the pulleys.
11. Loosen Philips screw on cable tensioner from step 4 and let the spring add tension to belt. Once belt has tension tighten Phillips screw.
12. Re-install I-beam cover that was removed in step 3.
13. Re-install left side cover with the six screws.

If you have any questions please call Epilog's Technical Support  
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E-Mail      tech@epiloglaser.com