



EPILOG LASER

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Procedure Title: Replacing the encoder strip
Machine Type: Legend 36EXT

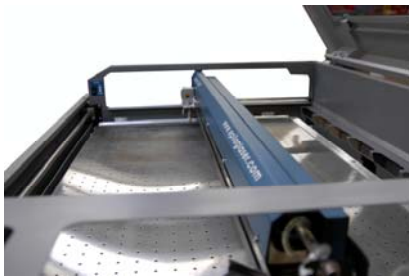
Tools Needed: 3/32 Allen wrench
Flat head screw driver
Philips head screw driver

Intro-

This procedure details steps to replace the encoder strip. This strip may get worn out and must be replaced for optimal performance from your machine.

Procedure:

1. Bring the I-beam to the center of the engraving table.
2. Remove the blue cover on the I-beam. This cover is attached to the I-beam by five Philips screws in the front and five Philips head screws in the back.
 - a. Use the Philips head screw driver to take out the front screws.



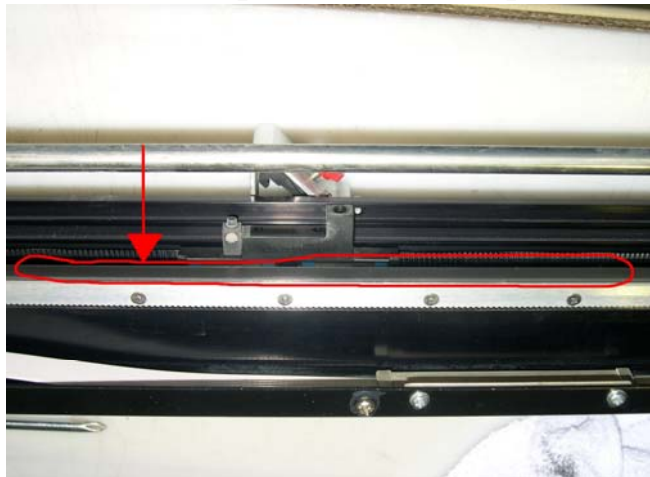
Front of I-Beam

- b. There are several different Philips head screws in the back of the I-beam. Only remove the screws directly attached to the I-beam. The smaller screws found in the center and the left side of the I-beam can be left alone.



Back of I-beam

3. This is how the encoder strip looks like after taking off the I-Beam cover. You will be able to view the encoder strip that runs the length of the inside of the X-axis I-beam. The strip is a clear plastic piece with black vertical lines on it. (also see picture on step 6)



4. To get the strip off you will need to take out the x axis circuit brd first. There are two Allen head screw and a flat head screw for the air assist tube right next to each other. Remove Allen head screws using 3/32 Allen wrench.



5. After the pc brd is off, you will also need to remove the aluminum bracket that is holding the

encoder strip. To remove the aluminum bracket there are 20 Philips screws in the front that needs to be remove and put to the side. (see picture on step 3)

6. Now you are ready to put on the new encoder strip. When installing the strip, please note that it will only go in one way so that all the holes in the encoder strip will line up with the holes in the aluminum X-axis I-beam. Make sure when the encoder strip is put back on, the words on it are reading backward.



7. Now that the encoder strip is on the right way go ahead and install the aluminum bracket with the 20 Philips screws. Then continue on by reinstalling the circuit brd. (see step3,4 pictures)
8. Put I-Beam cover back on. The cover does not need to fit snugly on the screws, rather, while screwing in the front of the cover, raise the edge up a little so the hexagonal screws do not hinder the movement of the laser head. To make sure the screws do not hinder the laser head, slide the laser head back and forth along the I-beam after the cover is fully mounted. If the edge of the laser head hits a screw, loosen the front of the cover, lift the cover a little and retighten the screws.

If you have any questions, please contact Epilog's
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