



EPILOG LASER

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X-AXIS FLEX CABLE REPLACEMENT FOR THE LEGEND 36EXT ENGRAVER

Tools needed: #2 Phillips head screwdriver

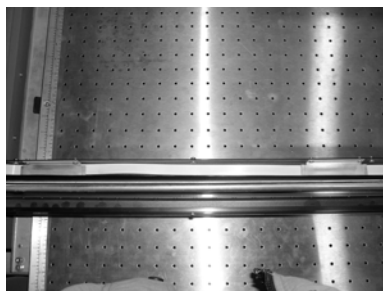
NOTE* All instructions given in this tech note assume that you are facing the front of the engraver.

1. With the engraver shut off, open the top lid on the engraver. Pull the X-axis beam to the front of the engraver.
2. You will need to remove the blue cover on the I-beam (Picture #1). Using the Phillips head screwdriver, loosen the 5 screws on the front and the 5 screws on the rear of the I-beam. It is not necessary for you to remove the screws as you will only need to loosen these screws to remove the I-beam cover. Once all 10 screws are loosened enough, you should be able to lift the cover off of the I-beam and set it aside.



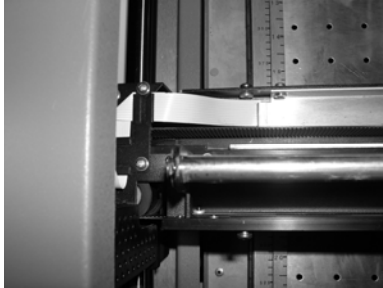
(Picture #1)

3. Once the blue cover is removed, you will be able to see the white flex cable that runs the whole length of the I-beam (Picture #2). There are 2 brackets that secure the flex cable to the I-beam that will need to be removed. One of these brackets is located about center of the I-beam and the other is located on the far left side of the I-beam. Using the Phillips head screwdriver, remove the 2 screws that secure each bracket to the I-beam and set the screws and brackets aside.



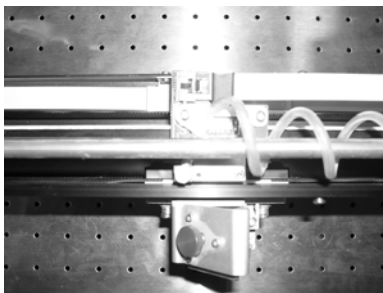
(Picture #2)

4. Now remove the L shaped bracket that holds the flex cable down to the left side of the I-beam. This L bracket is located just to the rear of where the cable connects into the black box on the left side of the I-beam and is secured with 2 screws (Picture #3). Remove these screws and bracket and set them aside. Once the bracket is removed, disconnect the flex cable from the black box.



(Picture #3)

5. The last bracket that is holding the ribbon cable into place is located just to the right of where the cable connects into the green pcb board on the lens carriage (Picture #4). You will only need to loosen the 2 screws that hold this bracket enough so that you can slide the ribbon cable from between the brackets. Once loosened, disconnect the flex cable from the lens carriage and pull the cable free from the bracket.



(Picture #4)

6. To install the new flex cable, simply reverse this process from step 5 down to step 1.

NOTE: Upon replacing the white flex cable, make sure there is a 1/8" space or gap between the white flex cable and the rear lip of the track that it rides in. This will keep the flex cable from rubbing against the mounting screws as well as the inside of the blue cover of the I-beam. Also note the 90 degree fold on the left side of the flex cable. Lay the old flex cable next to the new one and duplicate the fold on the new flex cable before installation.

If you have any further questions, or need any assistance, please feel free to contact Epilog Technical Support at:

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