



EPILOG LASER

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REPLACING THE Y-AXIS BELT(S) ON THE EPILOG MINI LASER ENGRAVER

TOOLS NEEDED: #2 PHILLIPS HEAD SCREWDRIVER
5/16 Nut Driver

Machine Type: Mini 18 and 24

1. Turn off and unplug the laser engraver.
2. You will need to remove the left and right sides of the engraver. To do this, you will need to remove the 6 Phillips head screws on each side panel. There are 4 screws on the facing side (Pic 1) and 2 where the side panel curves around and connects on the back of the engraver (Pic 2).



1



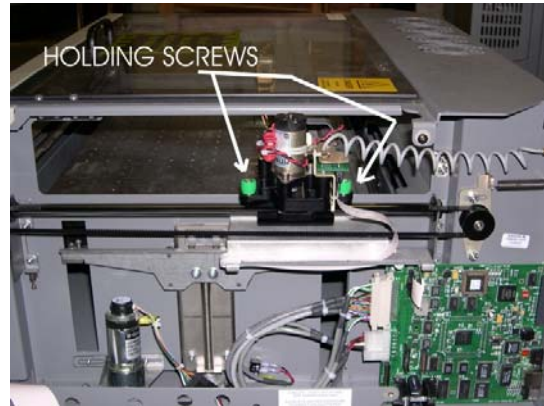
2

3. Remove X-axis beam, also called the I-beam (Pic 3). To remove this component you must loosen the 3 green colored holding screws. If you are facing the front of the machines, there are 2 on the right and 1 on the left. Note: These screws will not come out; they simply loosen (Pic 4). You are now able to lift up the I-beam to disengage it from the 2 black mounts that sit on opposite sides. We recommend that you then easily slide the beam to the back end above the table, out of the way of the

black mounts. You do not have to disconnect the ribbon cable or air-assist tubing from the I-beam.

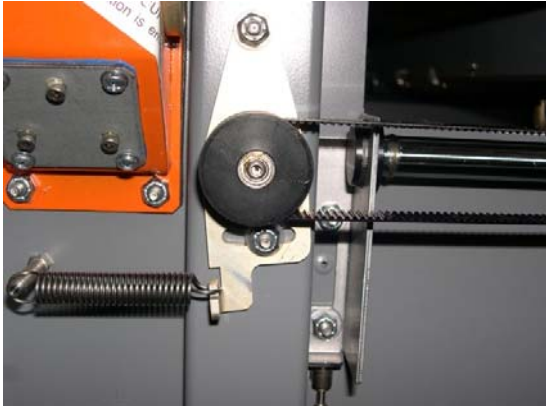


3



4

4. Let us say that you must remove the left side Y-belt, you must first loosen the belt tension there. Use the 5/16 nut driver to loosen the bottom nut on the idler pulley sliding bracket (Pic 5 and 6). Slide the bottom of the bracket towards the front of the machine then retighten the nut to hold the bracket in place. The tension of the y-belt is now off.

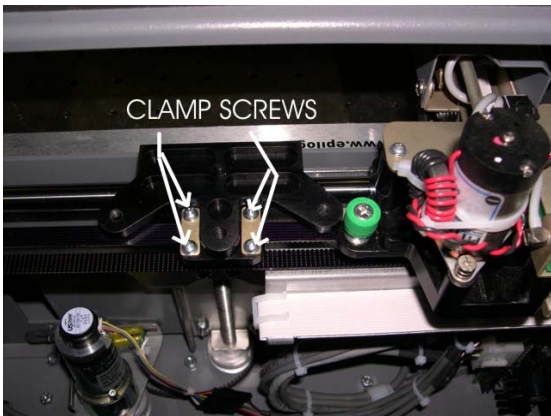


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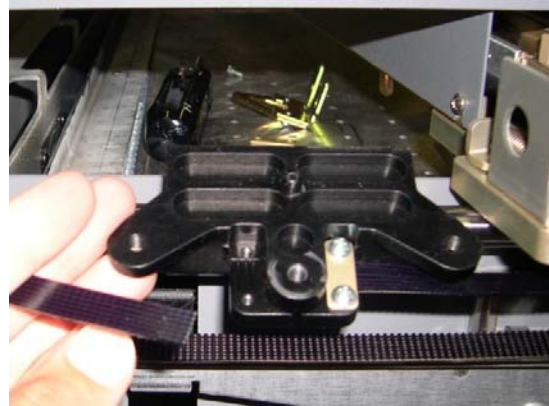


6

5. The next step is to remove the belt clamps. There are 4 Phillips screws holding the 2 belt clamps in place (Pic 7). Start by removing the clamp closest to the back of the machine (Pic 8) and then the other. The belt should now be free and ready to be replaced. Measure the 2 belts (old and new) to see if the newer one is the same length which it should be. If it is not then you need to trim it to the exact same length.



7



8

6. Loop the new belt around the pulleys, just like the old belt was placed. Make sure that the open end of the belt covers all of the grooves on the black mount before you place the clamp on of it and screw it in. Do the same to the other open end. This is the same procedure for either side Y-belt. Reverse steps 4 through 1 to complete this procedure. **Note:** Make sure that the black plastic mounts are perfectly aligned with each other. You may do this by moving both mounts to the front or to the back of the machine; make sure that both are touching the stops equally before applying tension to the belt. Also verify that the tension of the belts are the same.

If you have any further questions or concerns about this procedure, please contact Epilog technical support at the following:

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