



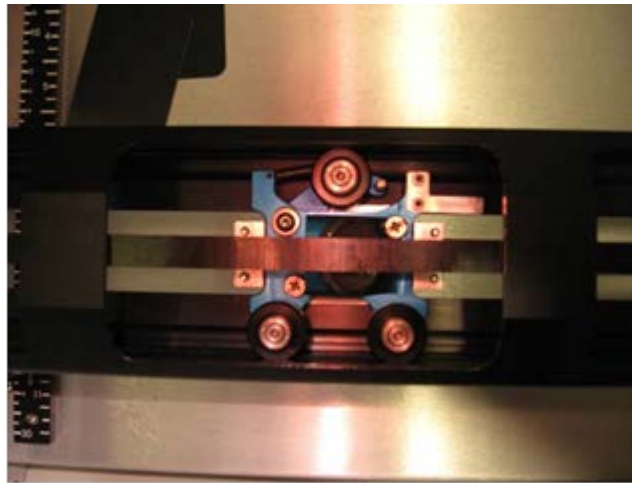
EPILOG LASER
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Machine Type: Zing 16/Zing 24

Procedure: Replacing the mirrors on the Zing engraver

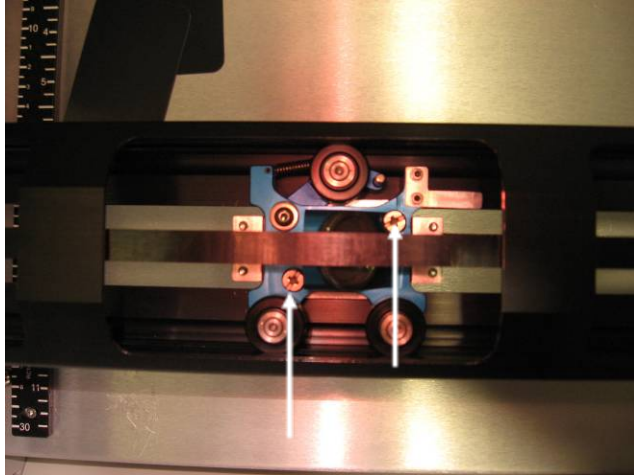
Tools required: Phillips Screw driver, Wrench

1. Disconnect the machine from its power source.
2. Remove the power cord from the machine.
3. Move the X-axis assembly to the center of the machine.
4. Move the lens carriage to the center of the X-axis assembly as shown in picture 1.



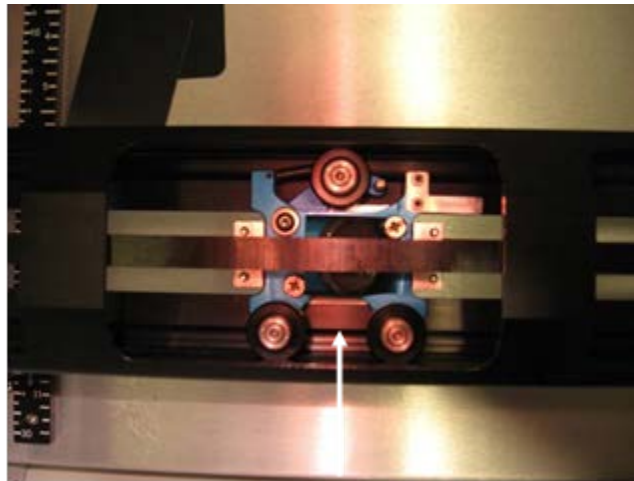
Picture 1

5. Loosen the two Captive screws, shown on picture 2. They help secure the lens carriage to the belt assembly. Press down gently on the belt clamp on the bottom of the carriage so it clears the bottom of the lens assembly.



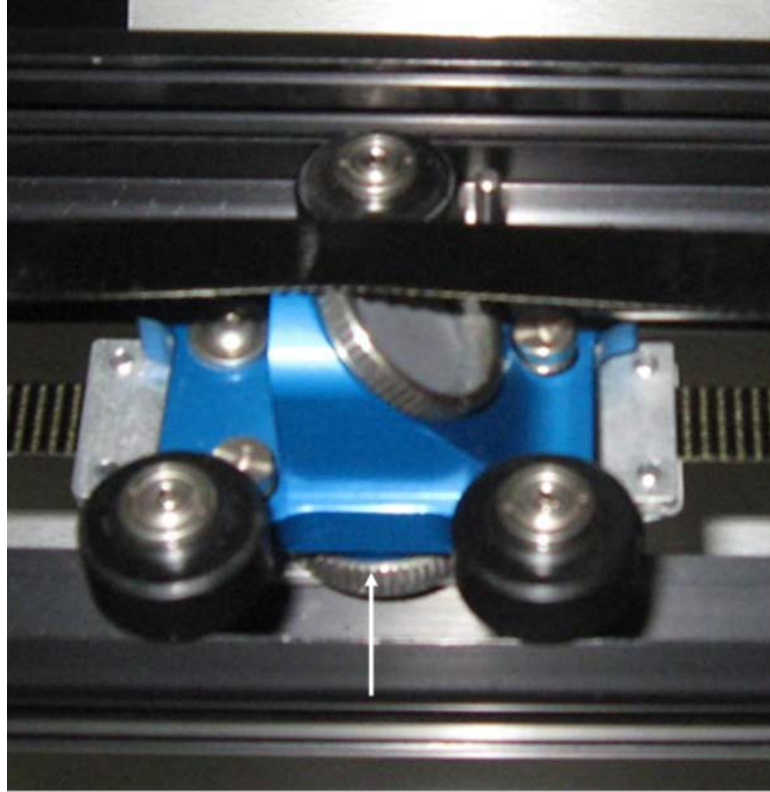
Picture 2

6. Place your thumb in between both of the black rollers and add pressure to push it to the rear. The single roller with the spring on the left is flexible and will allow you to push back. Clear the two black rollers from the rail by pushing the carriage back while simultaneously lifting the carriage from the rail.



Picture 3

7. As the front two rollers start to clear the rail, with your thumb, lift up the front of the carriage. (Picture 4)



Picture 4



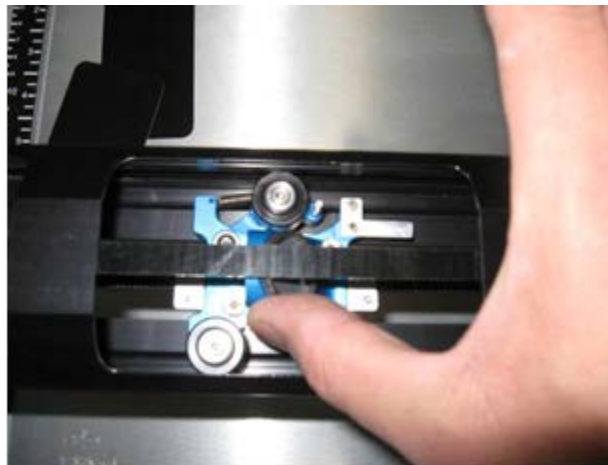
Picture 5

8. Once the lens carriage is free of the x-belt, the lens carriage can be removed. Pay close attention to the belt in this part of the instructions. Move the belt so it does not catch any part of the carriage, either the top or the bottom. And remove the lens carriage from the rail. (Picture 5)
9. The mirror is located right on top of the carriage. To take the mirror off twist the mirror with its bezel counter-clockwise and the mirror should loosen and come right off. (Picture 6)



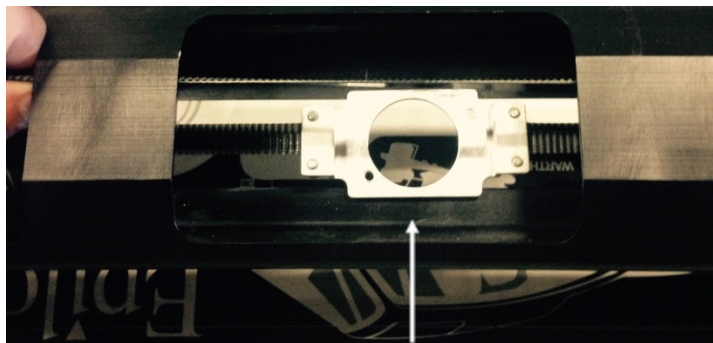
Picture 6

10. To replace the carriage mirror just place it in the same location and turn it clock-wise to tighten down the mirror.



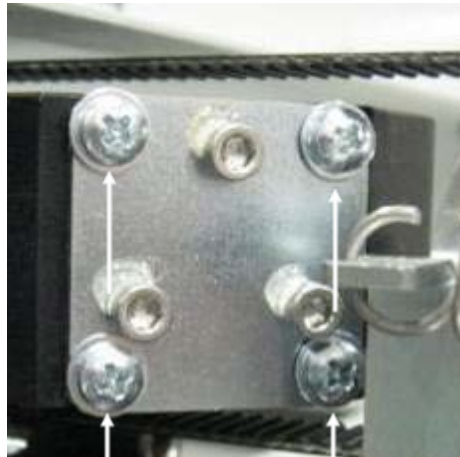
Picture 7

11. Re-install the lens carriage, start by placing the single roller to the back of the rail. Be sure to have the belt clamp directly below the carriage assembly. It should fit directly in place.



12. With your thumb in between both of the rollers push the carriage back to the rear of the rail and as soon as you have space, Press down and the two rollers should fall in place on the rail.
13. Slide the carriage, place the x-axis belt over the carriage and pull the belt left and right. The carriage should move smoothly. You should not be getting any resistance.
14. Now tighten the two screws, Please alternate tightening both of the screws so one side is not tighter than the other. That is how you replace the mirror on the carriage.

Replacing the Steering Mirror



The steering mirror will be located on the left side of the machine. Please take off the left hand side panel to have access to the steering mirror so it is easier to replace.

1. Take of the left sided panel, locate the steering mirror.
2. Unscrew the 4 Philips screws.
3. Pull the steering mirror plate assembly out of the steering mirror bracket.
4. The mirror is going to be sealed tight; I recommend you use a wrench to help you loosen the mirror. The steering mirror has a screw behind the mirror, you can semi see it in the picture below.



5. After you unscrew and replace the mirror you can put the steering mirror assembly back in its bracket. Make sure the Allen head screws on the plate make a triangle. (Single Allen head screw should be on top)



6. Now please put the panel back on the left side. I highly recommend you do a laser alignment after you have finished installing the new mirrors.

If you have any questions or concerns on how to do this process we will always be available to walk you through the process. Please feel free to call Epilog's Technical support at 303-215-9171 ext. 2. Thank you and have a nice day.