EPILOG LASER
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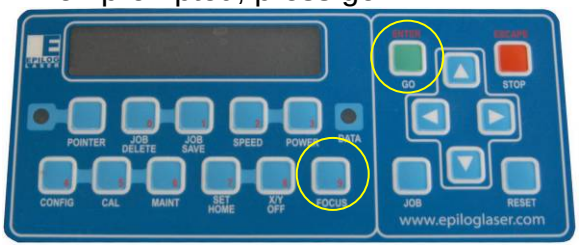
Procedure Title: “Correcting the EXT alignment to ensure perpendicular vector cuts”.

Machine Type: “EXT”

Tools needed: 7/64 Allen wrench (Hex Key)
Alignment target supplied with your engraver

Get Notes of Caution from earlier tech notes.

1. Perform EXT leveling operation prior to starting this procedure.
2. Perform the EXT alignment procedure prior to beginning this procedure.
3. Turn the machine on. Wait for the machine to start up.
4. Press x/y off button then when prompted, press go.



5. Press POINTER to turn on the red diode pointer.

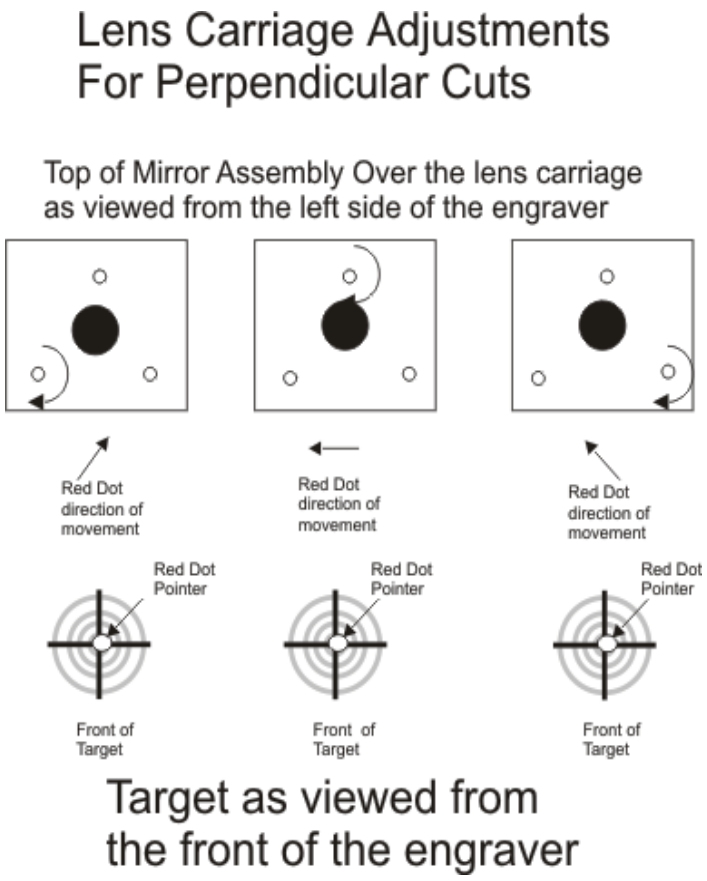
6. Move the lens carriage out of the home position and position the alignment target, that was supplied with your engraver, on the task plate so that the image projected by the Red Dot pointer is centered on the alignment target. This is shown in the pictures below.

NOTE: It is difficult to see in this picture if printed in black and white, and the Red Dot image was placed in location in Corel since the digital camera would not pick up the Red Dot image. The spot created by the Red Dot pointer is in the center of the alignment target.

7. Using the focus control located inside the engraving cabinet, lower the table. If the Mirror over the lens carriage is properly aligned, the Red Dot pointer will not change locations. If the Red Dot Pointer does change location please continue with this procedure.

8. Using the Three (3) adjustment Allen (Hex) screws on the rear of the lens carriage, make the necessary adjustments to the position of the Red Dot pointer.

Use the diagram below to assist you in determining which adjustments to make to the mirror mount.



9. Adjust the Red Dot pointer so that the Red Dot is in the middle of the laser alignment target.

10. Using the Focus controls located inside the engraving cabinet, raise the table assembly. Verify that the location of the Red Dot Pointer does not change position on the Red Dot. If the Red Dot changes position, please repeat this procedure from the beginning.

This completes the “Correcting the EXT alignment to ensure perpendicular vector cuts”.

If you have any questions please call Epilog’s Technical Support at:
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