



## **EPILOG LASER**

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**Machine Type:** 36EXT

**Procedure:** Checking Table Level

### **About the safety messages used in this document**

Throughout this document, certain items are labeled Note, Safety Glasses, Caution, Warning or Danger. These terms alert you to precautions that may result in damage to your engraving system or a risk to your personal safety. Read and follow them carefully.



This SAFETY ALERT SYMBOL is used to draw your attention to issues which could involve potential personal injury.



**WARNING ELECTRICAL HAZARD:** This symbol indicates a potentially hazardous electrical situation which, if not avoided, could result in Death or Serious personal injury.



**CAUTION: PINCH POINT HAZARD:** This symbol indicates a possible Pinch Point Hazard which if not avoided may result in personal injury and possible damage to the engraving system. Keep hands clear.




**SAFETY GLASSES** indicate a direct hazardous situation which, if Safety glasses are not worn may result in eye injury or permanent loss of vision.

**NOTE:** A 'Note' is not necessarily safety related but indicates a recommendation or special point of information that could assist in understanding the use or care of a feature item.

## **Tools required:** Manual Focus Gauge



1. **SAFETY GLASSES:** Please wear the safety glasses which were provided with your machine and or your replacement/repair parts.
2. With your machine on, open up the main door so you can have full access to the table.
3. Locate manual focus gauge. This is triangular or “V” shaped tool.
4. Place the gauge on the lens carriage head where the 2 pins are sticking up on the pegs below the lens.
5.  **CAUTION: PINCH POINT HAZARD:** Raise the table up until it comes in contact with the very bottom tip of the focus gauge.
6. Move the lens carriage head to all four corners making sure the distance between the focus gauge and the table does not change. If the gauge moves or the spacing from the gauge to the table changes, this would indicate the table is not level and will need to be adjusted.



If the table is not level and needs to be adjusted, please continue on with Leveling Table procedure.

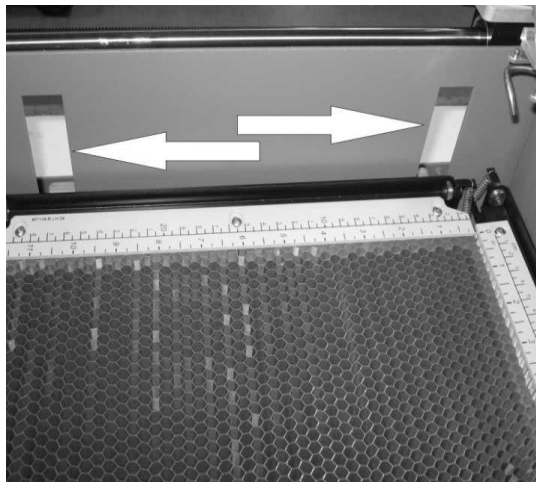
**Machine Type:** Mini/Helix

**Procedure:** Leveling Table

**Tools required:** 5/32 Allen wrench

1. Connect the engraver to its power source and start the machine.
2. Use the X/Y Disable feature located on the keyboard to disable the axis.
3. Keeping the rail at the rear of the machine, move the lens carriage to the far right hand side of the machine.
4. Place the focus gauge on the lens carriage.

5.  CAUTION: PINCH POINT HAZARD: Using the focus feature, raise the table until the focus gauge just comes in to contact with the engraving surface. This corner is our standard. All other corners will be raised or lowered accordingly to match this corner's height.
6.  WARNING ELECTRICAL HAZARD: Turn off the machine and disconnect it from its power source.
7. Open the engraving area access window.
8. Move the entire X-axis assembly forward in the machine, leaving the lens carriage at the far right hand side. Inspect the relationship between the focus gauge and the engraving surface.
- If the gauge was raised when the X-axis assembly was moved forward, this corner will need to be lowered.
  - If the focus gauge is no longer in contact with the engraving surface, this corner will need to be raised.
9. Look inside the machine on the left and right side of the chassis wall, and you'll notice 4 cutout slots, 2 on the left side and 2 on the right side. See Picture 1 below for reference. This shows the right hand side of the machine.



Picture 1

10. The table lift wings, which support the table assembly pass through these cut outs. At each of the tables attachment points there are 2 5/32 Allen Screws. These two 5/32 Allen wrench screws are used to fine tune the table level. There is about 3/8" adjustment max per screw. Picture 2 shows the location of the adjustment screws.



Picture 2

11. To adjust the table's height, use the following guidelines.

**NOTE**

- Turning the screw counter-clockwise will loosen the screws. Clockwise will tighten the screws.
- Turning the screws clockwise/counter-clockwise one revolution will move the table down 1/32", two revolutions will move it 1/16", four revolutions will move it 1/8", etc.
- **To Lower Table:** Loosen the one without the lock-washer first and tighten one with lock washer.
- **To Raise Table:** Loosen the one with the lock-washer first and tighten one without lock washer.

12. Repeat this process at the remaining corners until the table is level in relation to the focus gauge.

13. Be sure to tighten both screws in each corner once the table is leveled.

14. This completes the table leveling process. Reconnect the machine to its power source and restart the machine. It is now ready to use.

If you have any questions, please contact Epilog's Technical Support.

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