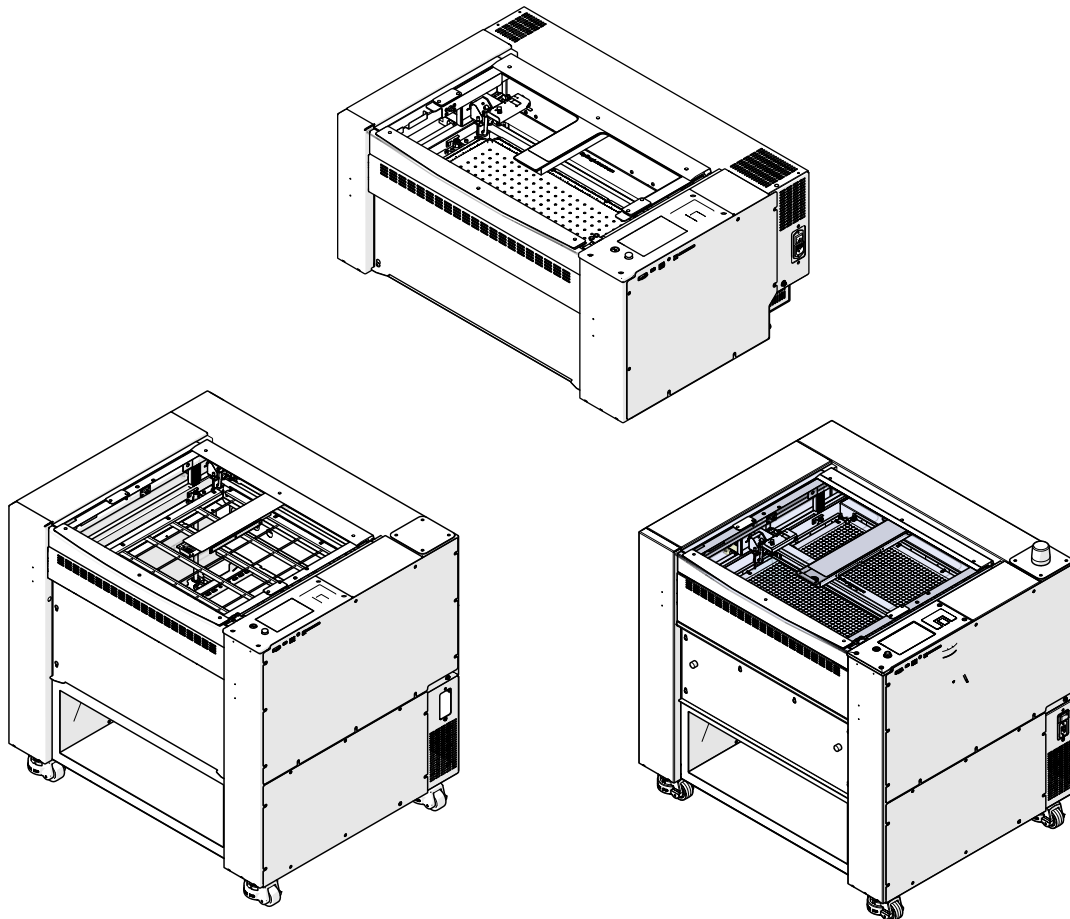


Leveling the Table

Fusion Maker - Fusion Edge - Fusion Pro 24 & 36



Parts Required

- n/a

Tools/ Materials Required

- 5/32" Allen Wrench
- 1/8" Allen Wrench
- 9/16" Wrench or Adjustable Wrench
- 11/16" Wrench or Adjustable Wrench

Leveling the Fusion Edge, Maker, and Pro Table

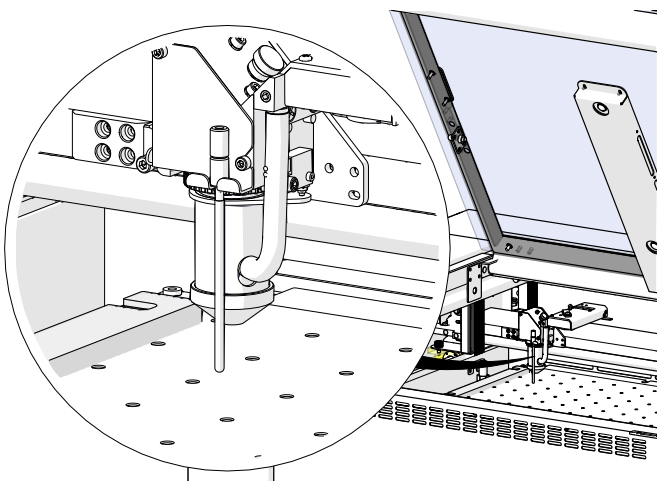
Table level should be checked periodically to ensure that the engraver is operating at optimum performance.

Complete this procedure if any of the following behaviors are observed.

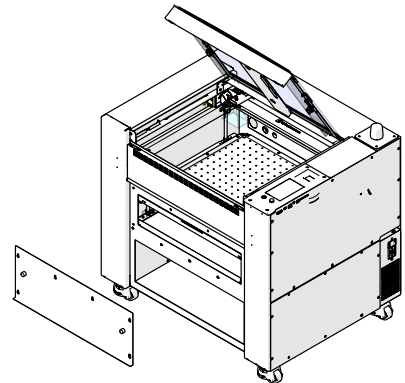
- Laser power appears weak in certain areas of the table,
- The engraver is unable to effectively cut through materials at or around the recommended settings in certain areas of the table.
- If the engraver has been moved to a new location.

Leveling the Table Tub

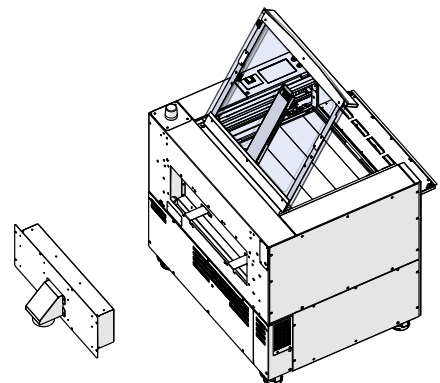
1. Turn on the engraver, and let it complete the startup process.
2. Place a piece of flat material in the table.
3. Lower the manual focus gauge.
4. Use the Focus menu to raise the table up enough to make contact between the material and the manual focus gauge:



5. Use the Jog menu to move the lens carriage to each corner of the table to determine which corner or corners are too low. The manual focus gauge should touch the table at each table corner.
6. If a front corner appears to be lower than the others, remove the front access panel of the engraver:

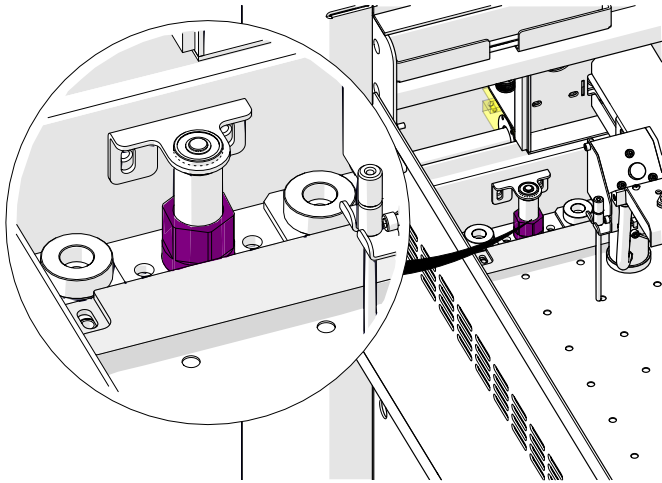


7. If a rear corner appears to be lower than the others, remove the rear panel or the exhaust plenum:

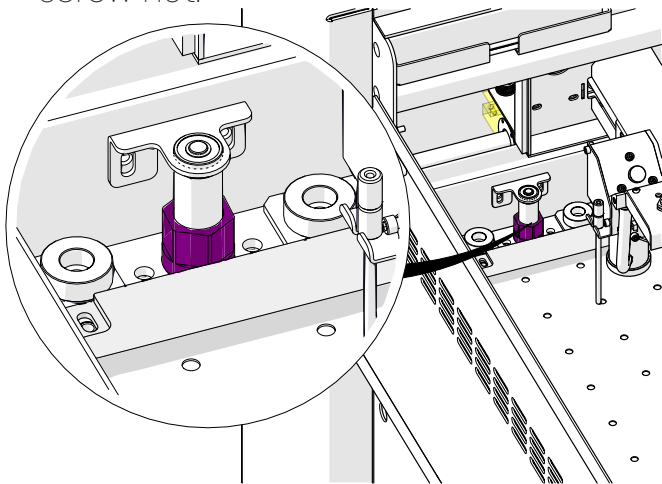


17000 - Leveling the Table

- At each corner of the table are the table lead screws which also house table levelers:



- To adjust the table levelers, loosen the two (2) Allen screws on either side of the lead screw and twist the red lead screw nut:



When leveling the table tube in step 9, choose a stationary point of reference in the cabinet of the engraver and adjust all lead screws to align with it.

- Turn the red lead screw nut until the material is in contact with the manual focus gauge.
- Once the table has been adjusted the appropriate amount, tighten the two (2) Allen screws on either side of the lead screw to lock in the table leveler.

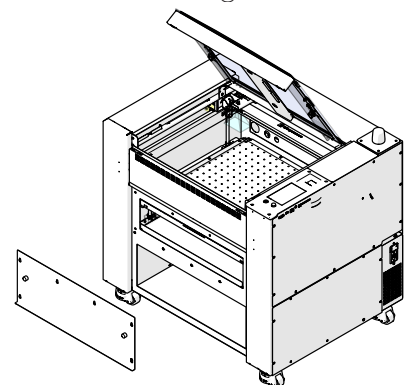
- Use the Jog menu to move the lens carriage to each corner of the table to ensure that each corner is level. The manual focus gauge should touch the table at each table corner.

Leveling the Table Inserts (Pro Only)

Before beginning this procedure, remove the engraving table insert and ensure that there is no damage to the table, especially to the edges of the table. A damaged engraving table will compromise the ability to complete this procedure.

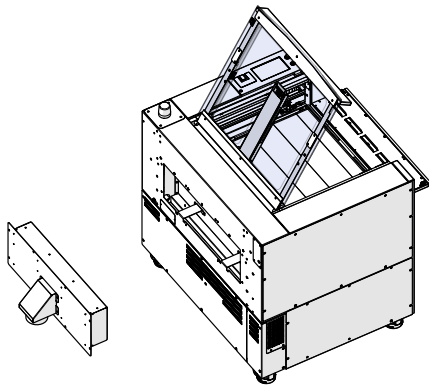
This procedure should not be completed with the vector grid or slat assembly in the engraver. Damage to the cutting grid and or the manual focus gauge can result. Ensure that the engraving table is installed in the engraver while completing this procedure.

- Use the Jog menu to move the lens carriage to each corner of the table to determine which corner or corners are too low. The manual focus gauge should touch the table at each table corner.
- If a front corner appears to be lower than the others, remove the front access panel of the engraver:



17000 - Leveling the Table

3. If a rear corner appears to be lower than the others, remove the rear panel or the exhaust plenum:



4. At each corner of the table are the table insert leveler screw and table insert leveler locking screws:

Table Insert Leveler Screw

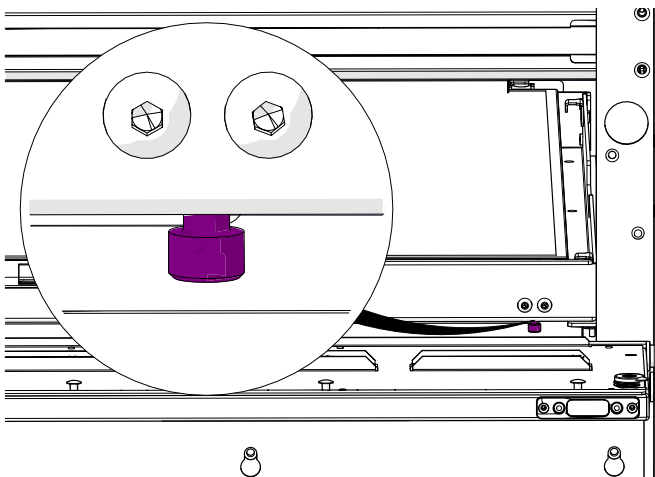
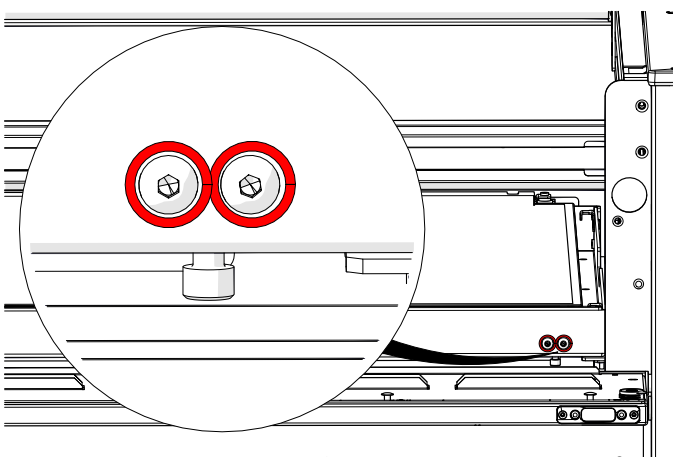


Table Insert Leveler Locking Screws



5. To adjust the table insert levelers, loosen the two (2) table insert leveler locking screws and tighten or loosen the table insert level screw.
6. Turn the table insert leveler screw until the engraving table insert is in contact with the manual focus gauge.
7. Once the table has been adjusted the appropriate amount, tighten the two (2) table insert level screw on either side of the table insert leveler screw to lock in the table leveler.

Fine Tuning the Table Level

The engraver autofocus feature can be used to confirm the quality of the table level.

1. Using the same table locations described above, jog the lens carriage to the desired location on the table and initiate an autofocus command via the Focus menu.
2. Compare the value returned from each location. If all locations are within ± 0.010 , the table level is within specifications.

If further assistance is required, contact Epilog Laser Technical Support by phone at 303-215-9171, or email at tech@epiloglaser.com