



**EPILOG LASER**  
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# Adjusting the Table Level

*For the Epilog Fusion and FiberMark Fusion*

9/10/2014

## Requirements:

### Tools:

- 3/32" Allen Wrench 
- Manual Focus Gauge 

## When to use this document:

- Uneven power in various areas of the table.
- Reduction in quality in various areas of the table.
- General reduction in power or quality.
- Inconsistent or Inaccurate Auto Focus.
- When instructed by Epilog Tech Support.

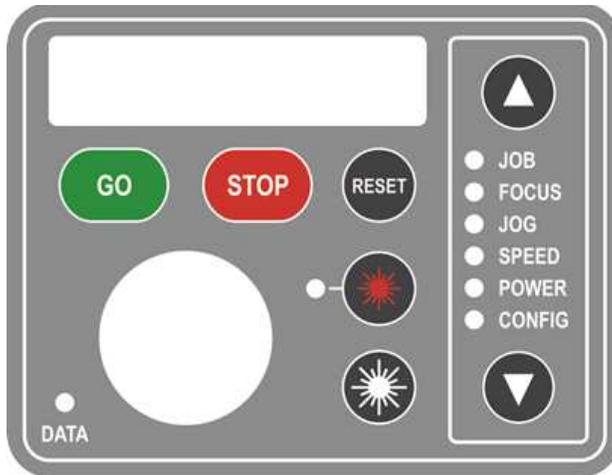
## Overview:

This procedure will guide you through the process of properly checking and adjusting the table level on the Epilog Fusion. This will ensure proper focus on every point of the engraving area.

## Procedure A: Check Table Level

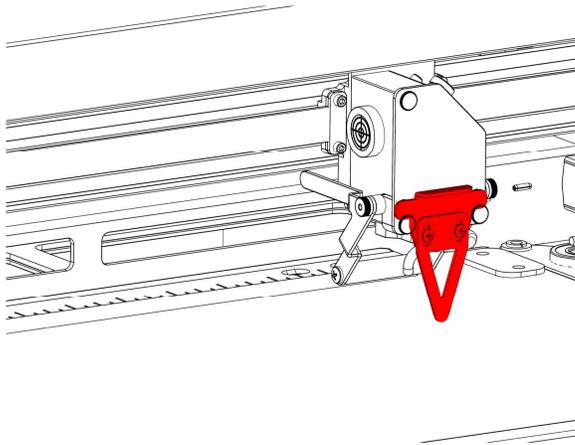
### Step 1: Position Lens Carriage in Reference Corner

With the engraver powered ON and the Cutting Table removed, use the Up and Down Arrow Keys on the Key Pad to place the engraver into Jog mode. Use the Joystick to move the Lens Carriage to the Back Right Corner of the engraver.



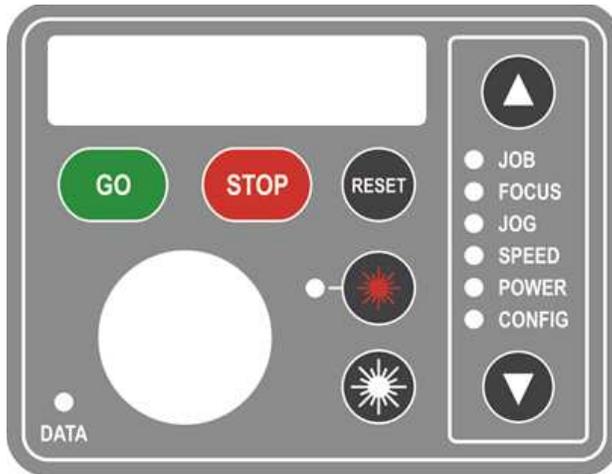
### Step 2: Place Manual Focus Gauge

Place the Manual Focus Gauge on the Lens Carriage.



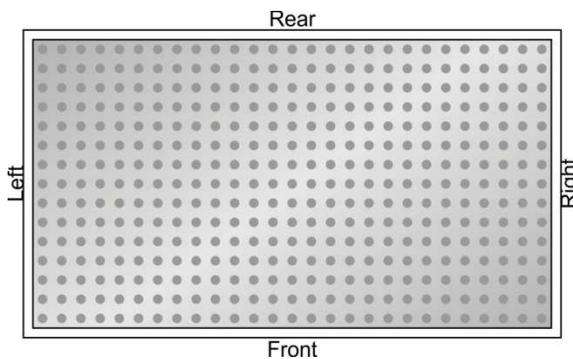
### Step 3: Focus on Reference Corner

Use the Up and Down Arrow Keys on the Key Pad to place the engraver into Focus mode. Use the Joystick to move the Table until it just touches the Manual Focus Gauge.



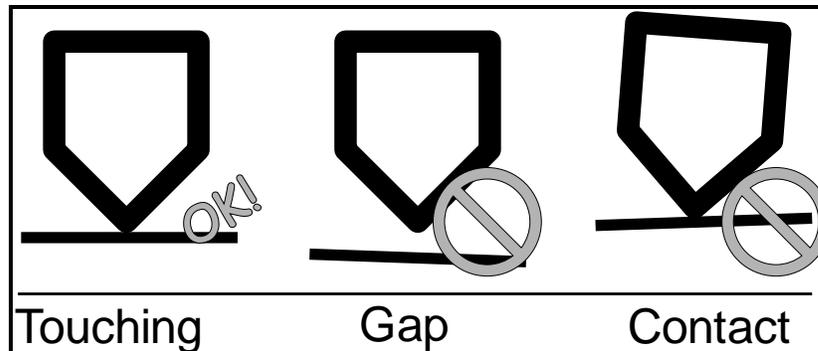
### Step 4: Check Focus on Each Corner

Use the Up and Down Arrow Keys on the Key Pad to place the engraver into Jog mode. Use the Joystick to move the Lens Carriage to each corner of the engraver. If the table is still barely touching the Manual Focus Gauge in each corner, the table level is good. If the table drops away or rises up as you move the Lens Carriage, please continue to the next procedure.

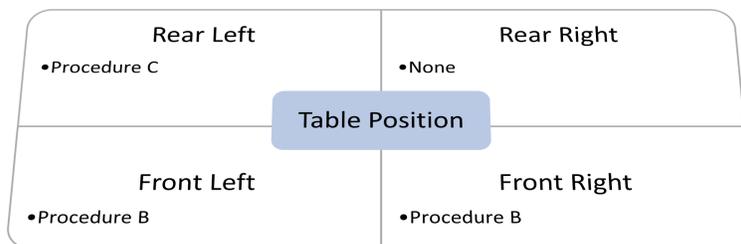


## Determining Which Corners Need to Be Leveled

After completing **Procedure A**, you should be able to determine which of the three adjustable corners need to be leveled. The Rear Right Corner cannot be adjusted and will be used as a reference point to adjust each of the other corners. A corner will need to be adjusted if the Manual Focus Gauge is a different distance away from the Table than it was in the Rear Right Corner.



Once you have determined which corners need to be adjusted, please follow corresponding procedures. Please see the table below.



### NOTE:

If you determine that the table is level, but power or quality problems persist; please contact Epilog Tech Support at (303) 215-9171.

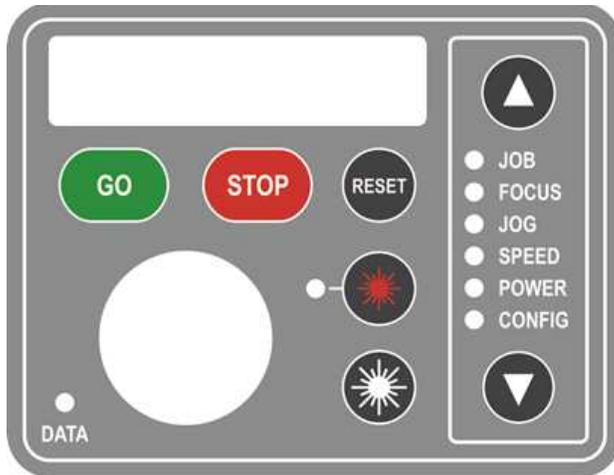
The following procedures require that you complete [Procedure A](#) before starting. Do not use focus mode after completing [Procedure A – Step 3](#).

Do not use a Bubble, Laser, or Gravity Level. The table must be level to the Movement Axis of the engraver rather than gravity.

## Procedure B: Adjusting the Front Corners

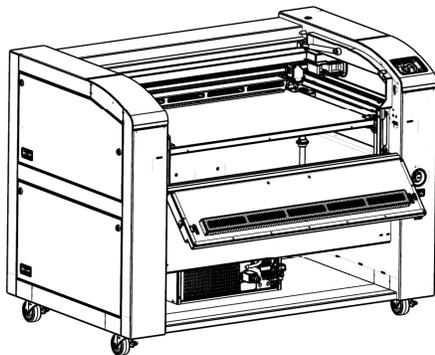
### Step 1: Move the Lens Carriage.

Use the Up and Down Arrow Keys on the Key Pad to place the engraver into Jog mode. Use the Joystick to move the Lens Carriage to whichever Front Corner of the engraver requires adjustment.



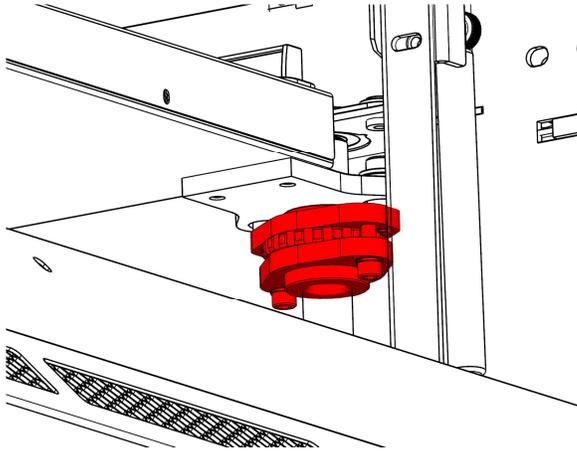
### Step 2: Open the Front Panel

Open the Front Drop-Down Panel of the engraver so that you can access the underside of the table.



### Step 3: Locate the Table Level Adjuster

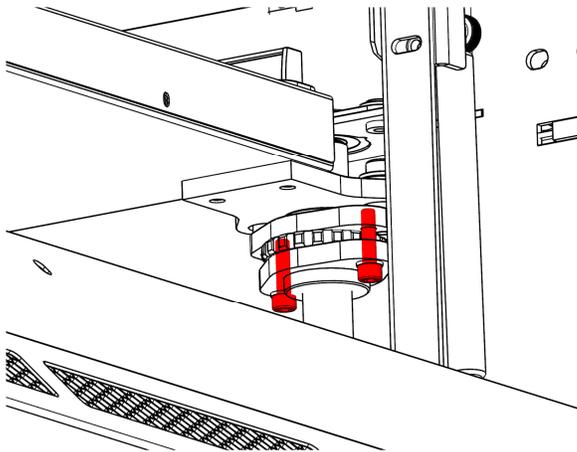
Look at the bottom of the table and locate the Table Level Adjusters. There is one on the Left and one on the Right sides of the table.



#### **Step 4: Loosen the Lock Screws**

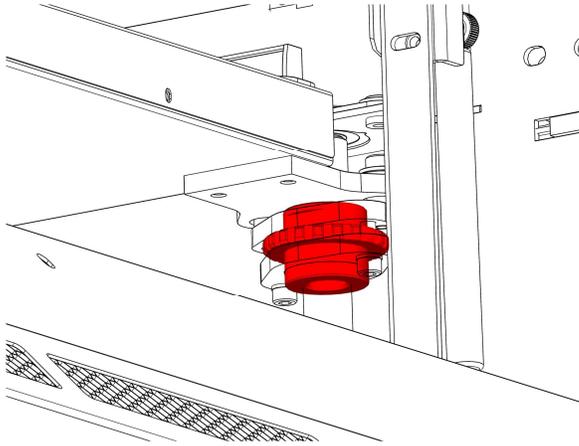
Select the appropriate Table Level Adjuster for the corner that you wish to adjust. Locate and loosen the two 3/32" Allen screws on the bottom of the Table Level Adjuster.

**NOTE: Do not completely remove these screws.**



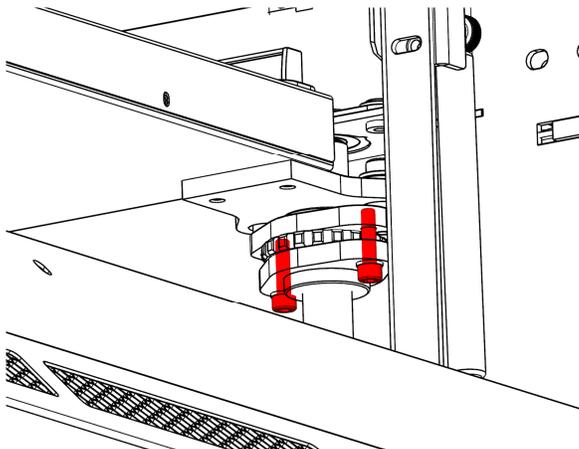
#### **Step 5: Make the Adjustment**

Locate the Adjustment Wheel on the Table Level Adjuster. Turning the wheel to the Right will raise the corner. Turning the wheel to the Left will lower the corner. Turn the wheel until the corner of the table is lightly touching the Manual Focus Gauge.



**Step 6: Lock the Adjustment Wheel in Place.**

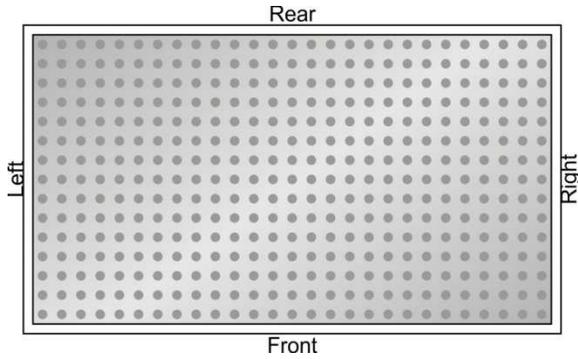
Tighten the two 3/32" Allen screws on the bottom of the Table Level Adjuster. This will lock the level in place.



**Procedure C:**

**Step 1: Move the Lens Carriage**

Check the table level on each corner of the engraver.



### Step 2: Remove the Rear Exhaust Weldment

Locate and remove the 4 Philips head screws on the rear of the engraver to remove the exhaust weldment.

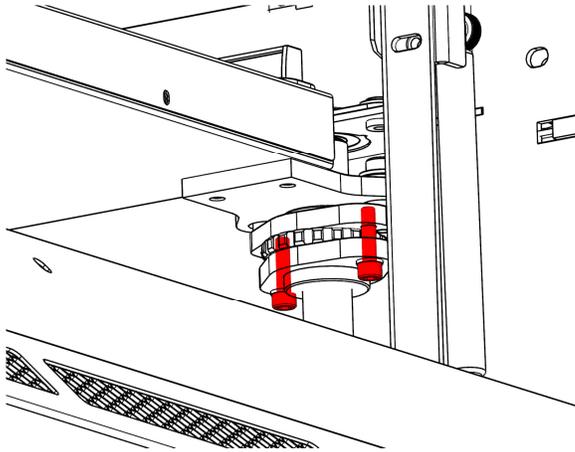


### Step 3: Locate the Left Rear Table Level Adjuster



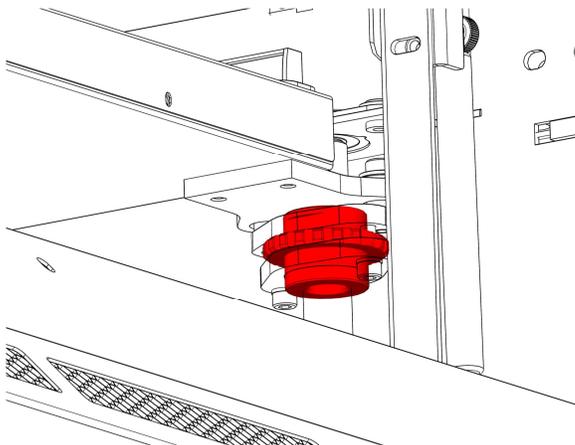
#### Step 4: Loosen the Lock Screws

Locate and loosen the two 3/32" Allen screws on the bottom of the Table Level Adjuster. **NOTE: Do not completely remove these screws.**



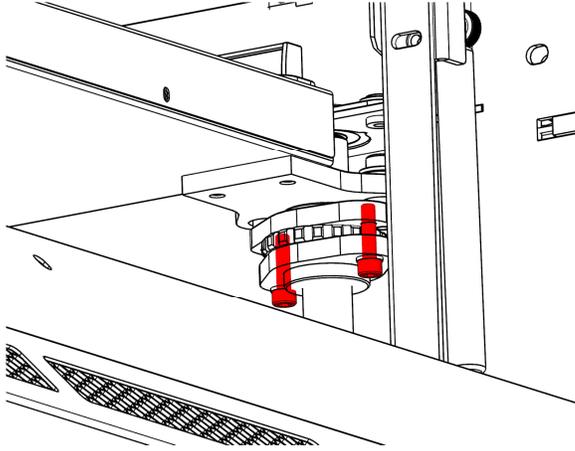
#### Step 5: Make the Adjustment

Locate the Adjustment Wheel on the Table Level Adjuster. Turning the wheel to the Right will raise the corner. Turning the wheel to the Left will lower the corner. Turn the wheel until the corner of the table is lightly touching the Manual Focus Gauge.



### Step 6: Lock the Adjustment Wheel

Tighten the two 3/32" Allen screws on the bottom of the Table Level Adjuster. This will lock the level in place



### Step 7: Replace Exhaust Weldment

