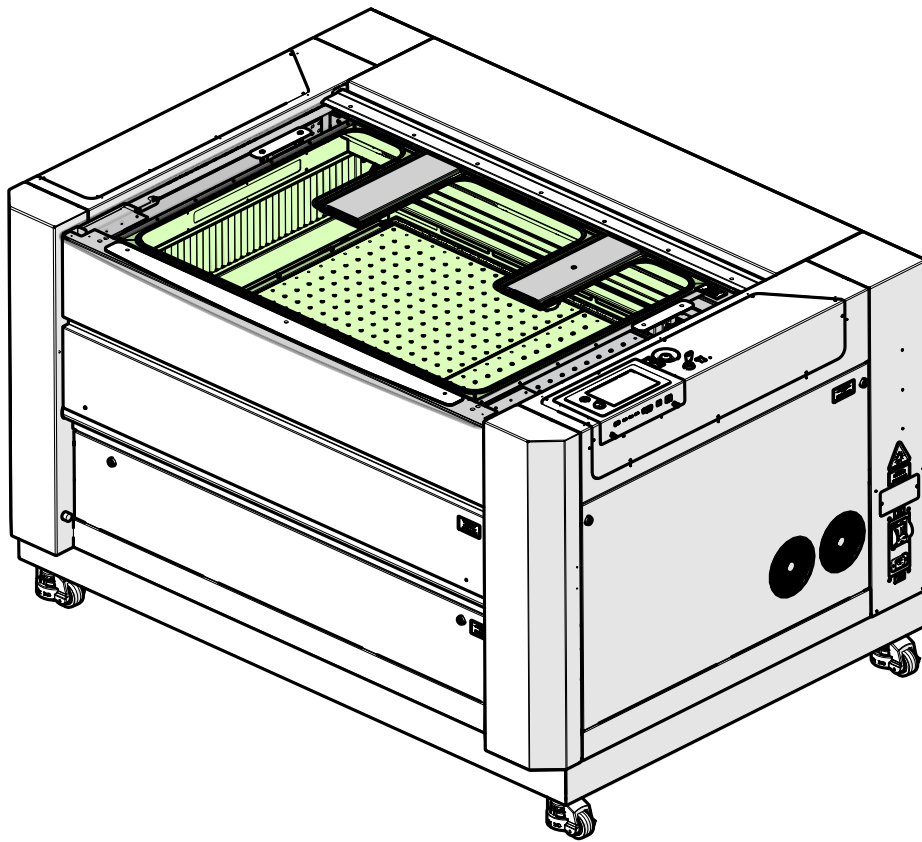


## Z-Axis Motor Replacement Fusion Pro 32 & 48



### Parts Required

- FT1008 - Table Motor Assy Fusion

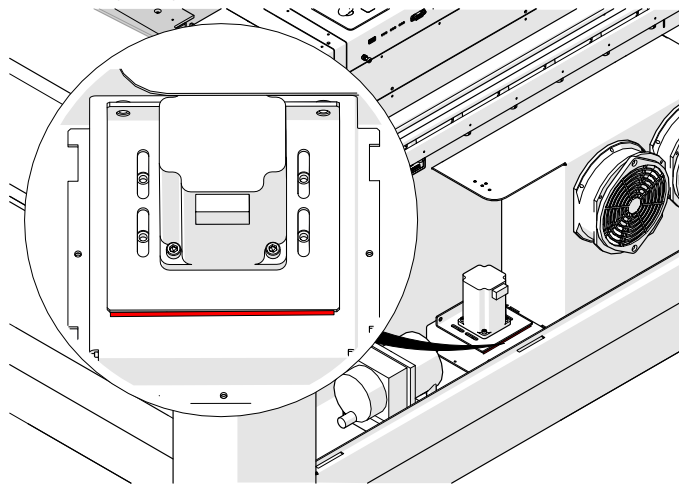
### Tools/Materials Required

- 5/32", 7/64" Allen Wrench
- Pencil or Marker

# Z- Motor Replacement

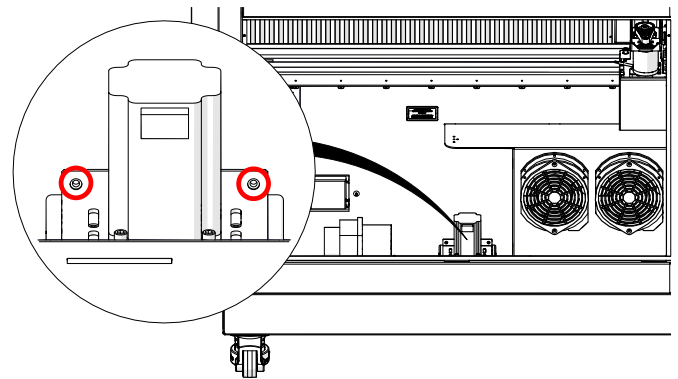
## Z-Motor Removal

1. Turn off the engraver.
2. Disconnect the engraver from power.
3. Remove the right panel of the engraver.
4. Use a pencil to make a mark on the engraver chassis at the leading edge of the z-axis motor body. This will help set proper belt tension later:

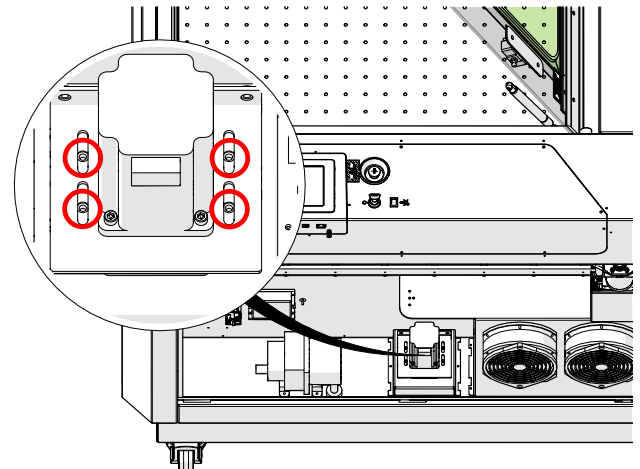


5. Disconnect the z-axis motor electrical harness.

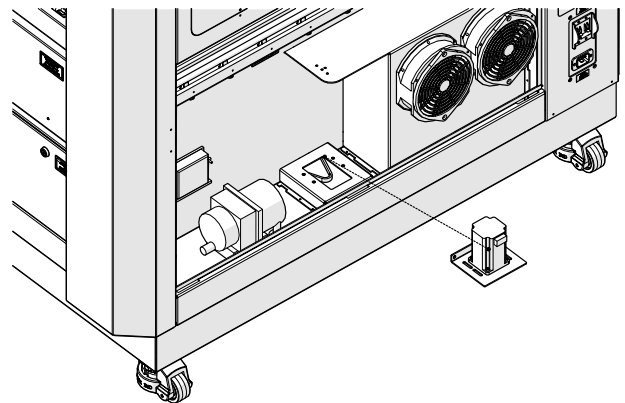
6. Loosen, but do not remove the two (2) 7/64" Allen screws on the tensioner to release the tension on the z-axis belt:



7. Loosen and remove the four (4) 7/64" Allen screws that secure the z-axis motor to the engraver chassis:

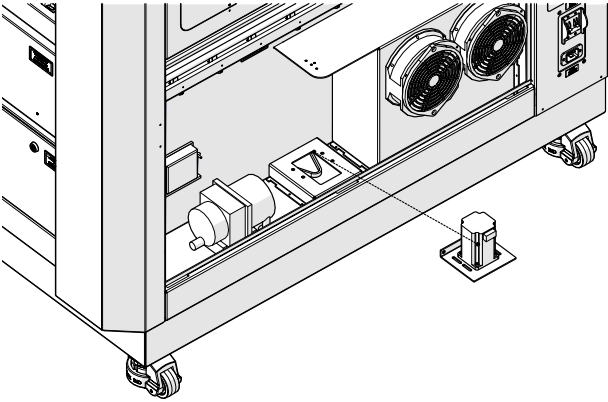


8. Remove the z-axis motor:

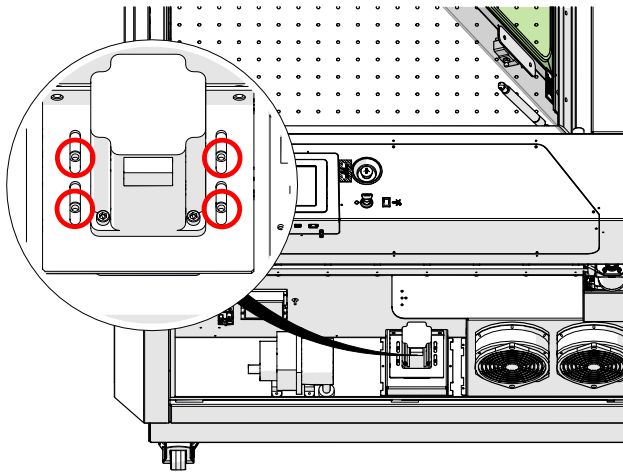


## Z-Motor Installation

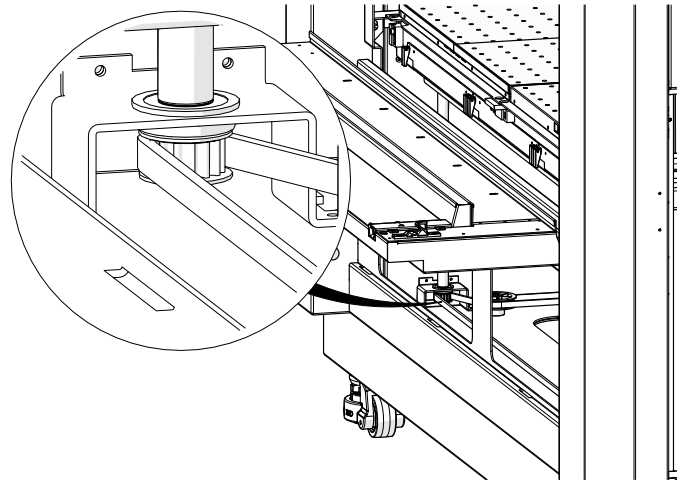
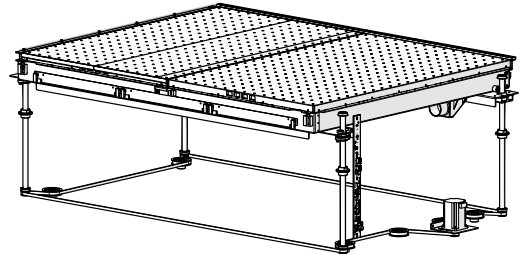
1. Place the z-axis motor in the engraver.  
Ensure that the motor pulley is inserted inside the z-axis belt:



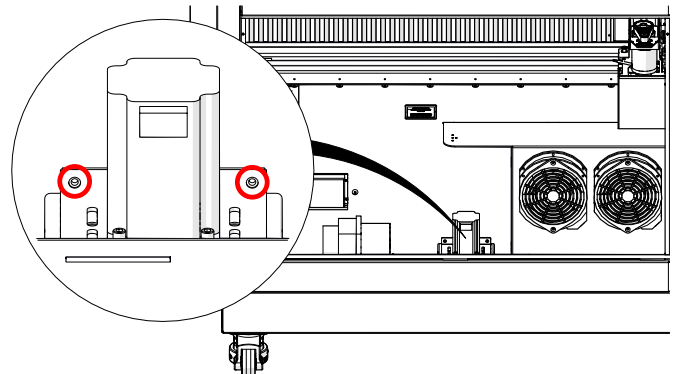
2. Install, but do not fully tighten the four (4) 7/64" Allen screws that secure the z-axis motor to the engraver chassis:



3. Inspect each lead screw pulley in the engraver to ensure that the z-axis belt has remained in place. If the z-axis belt has fallen below any of the lead screw pulleys, reposition the belt around the pulley:

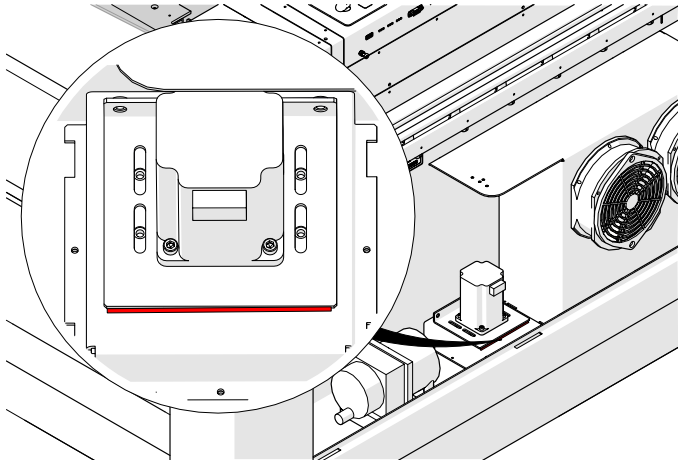


4. Tighten the two (2) 7/64" Allen screws on the tensioner to begin to tension the z-axis belt:

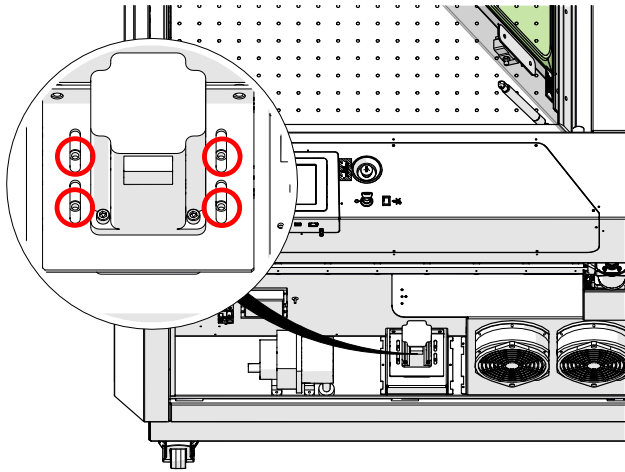


## 16000 - Z-Motor Replacement

5. Continue to tighten the tensioner screws until the leading edge of the z-axis motor lines up with the pencil mark created in step 4 of the removal procedure:



6. Tighten the four (4) 7/64" Allen screws that secure the z-axis motor to the engraver chassis:



7. Connect the z-axis motor electrical harness.
8. Replace the right panel of the engraver.

If further assistance is needed, contact Epilog Laser Technical Support by phone at 303-215-9171, or by email at [tech@epiloglaser.com](mailto:tech@epiloglaser.com).