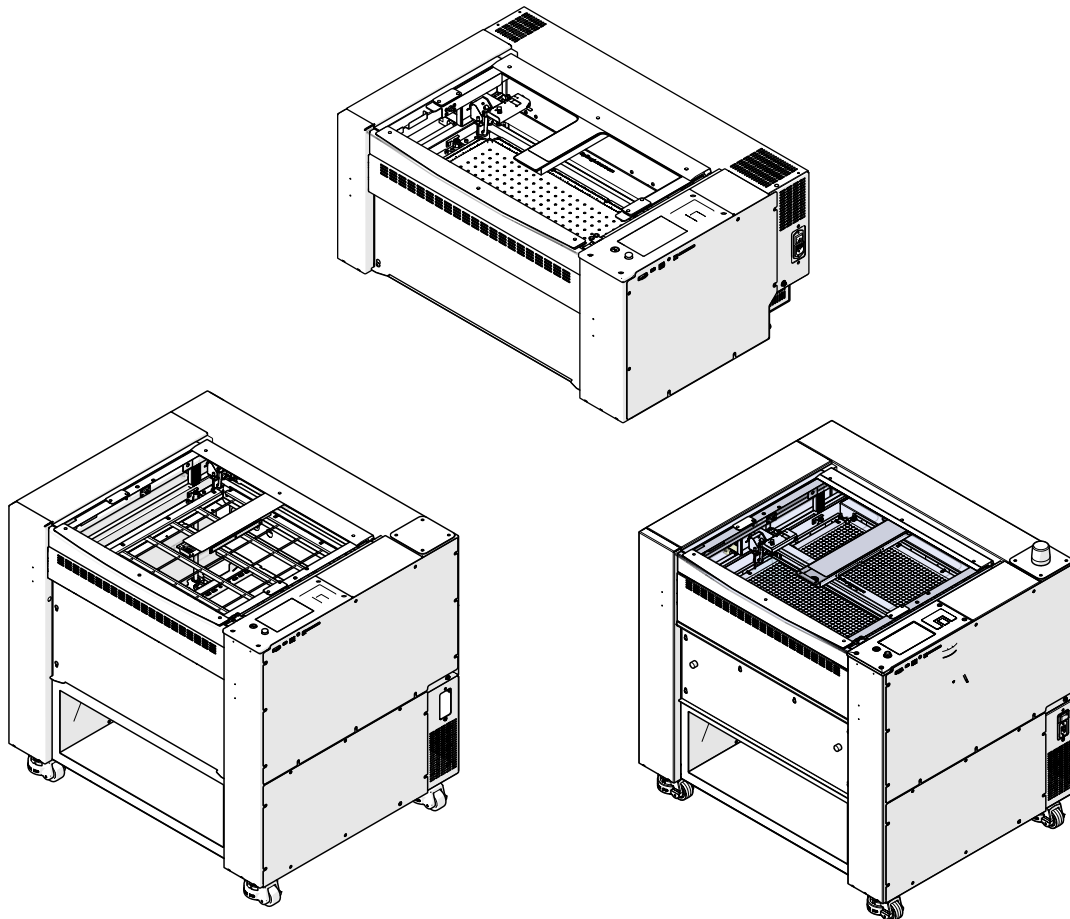


Y-Axis Bearing Block Assembly Replacement Fusion Maker - Fusion Edge - Fusion Pro 24 & 36



Parts Required

- Varies by Model

Tools/ Materials Required

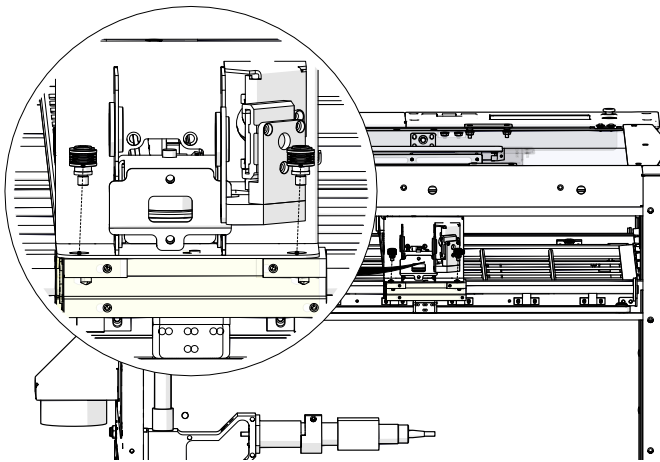
- 5/32", 7/64" Allen Wrench
- Phillips Head Screwdriver

Y-Axis Bearing Block Assembly Replacement

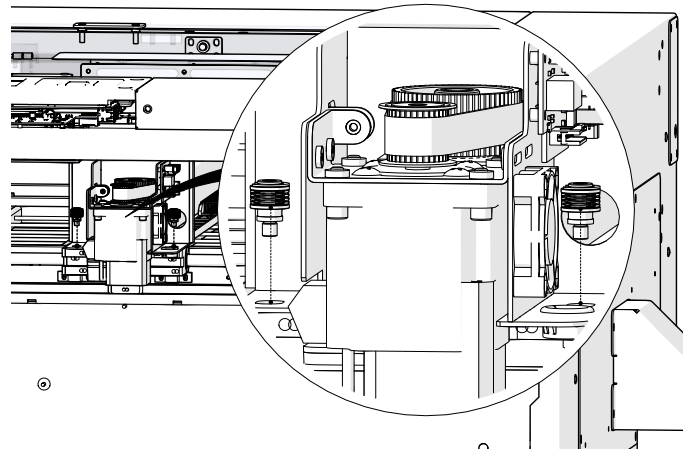
Y-Axis Bearing Block Assembly Removal

1. Turn off the engraver.
2. Disconnect engraver from power source.
3. Remove the left or right panel of the engraver, depending on which y-axis bearing block assembly is being replaced.
4. Loosen and or remove the four (4) 5/32" fasteners that secure the x-axis assembly to the y-axis bearing block. There are two (2) on the right side and two (2) on the left side:

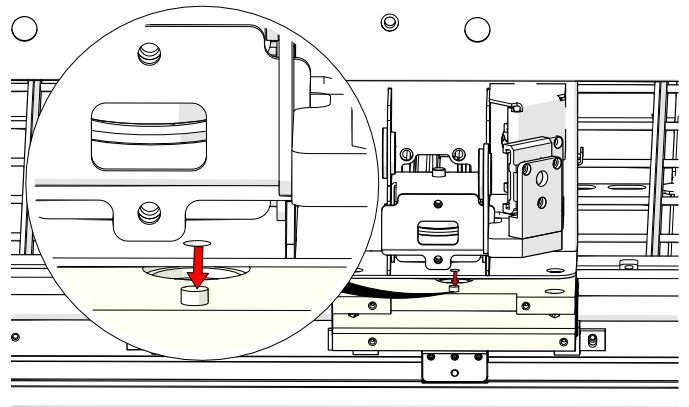
Left Side



Right Side



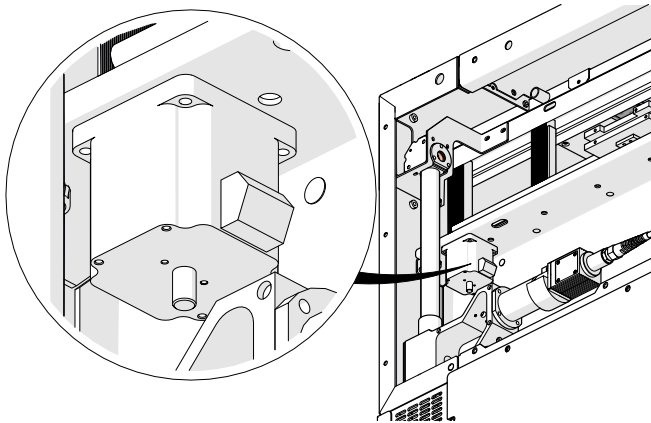
5. Once the x-axis assembly fasteners are removed and or loosened, gently lift the x-axis assembly to free it from the locator pins on the y-axis bearing blocks:



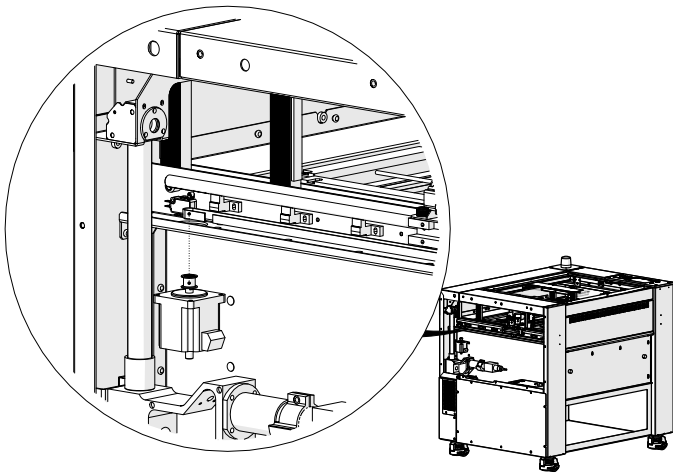
6. Rest the x-axis assembly on the chassis of the engraver.

17000 - Y-Axis Bearing Block Replacement

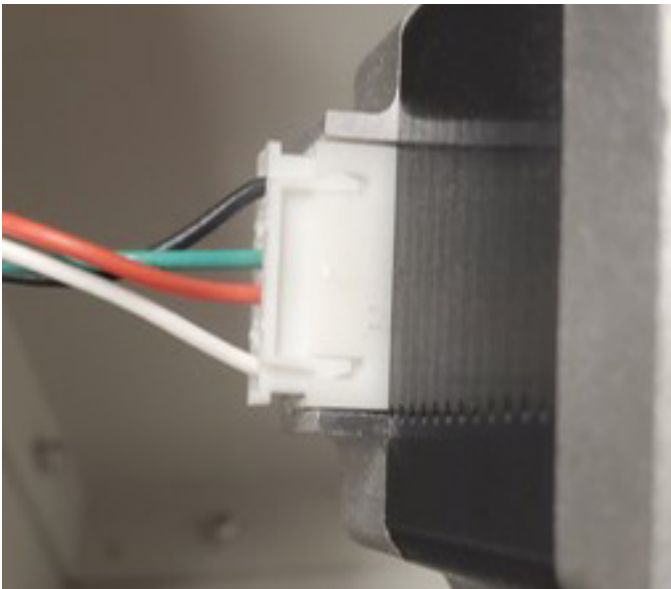
7. Loosen and remove the four (4) Phillips screws that secure the y-axis motor:



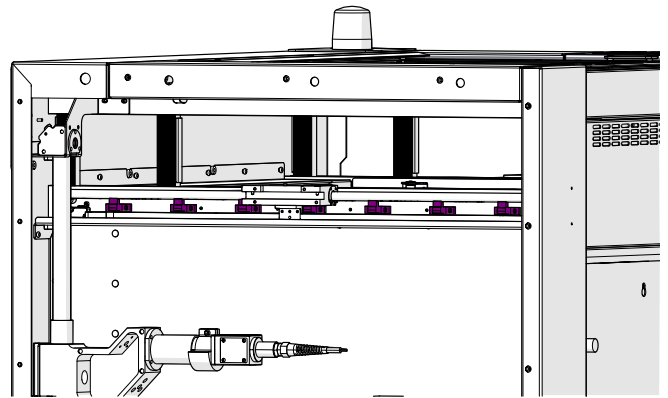
8. Remove the y-axis motor from the y-axis assembly to access the y-axis motor harness:



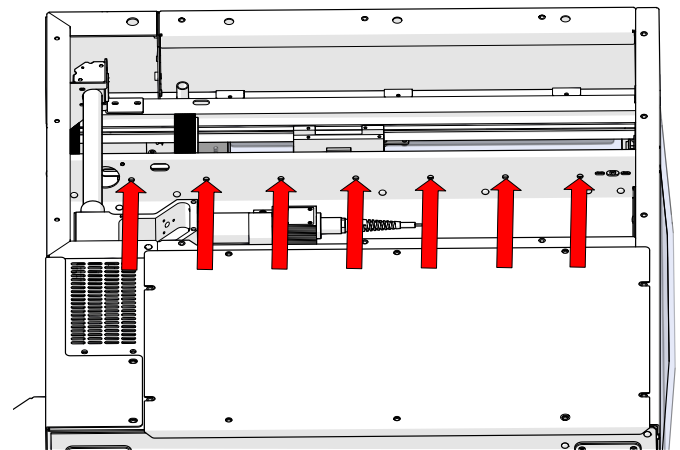
9. Remove the y-axis motor harness from the y-axis motor:



10. The y-axis bearing blocks ride on the y-axis guide rails in the engraver which are secured to the y-axis guide rail supports:



11. Loosen and remove the four to seven (4-7) 7/64" Allen screws that secure the y-axis assembly to the y-axis guide rail supports through the circular cutouts under the y-axis guide rail:



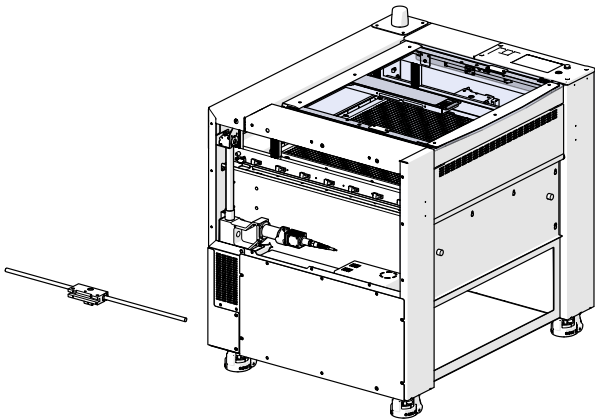
The y-axis guide rail supports are calibrated and shimmed at the factory to be parallel with each other. Do not remove the y-axis guide rail supports.

17000 - Y-Axis Bearing Block Replacement

12. Remove the rubber bumper from the front of the y-axis guide rail:

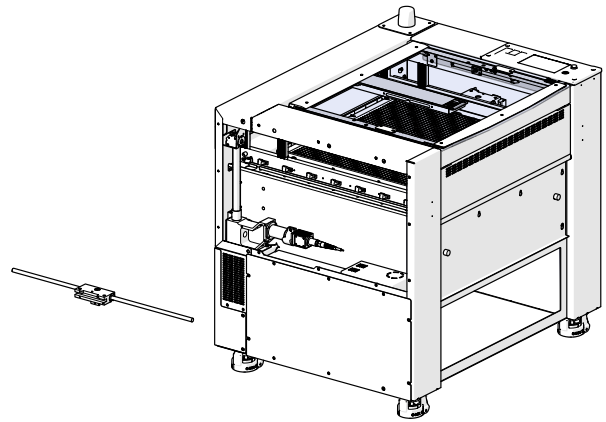


13. Remove the y-axis bearing block assembly from the engraver:



Y-Axis Bearing Block Assembly Installation

1. Place the y-axis assembly on top of the y-axis guide rail supports, ensuring the threaded holes are facing downwards:

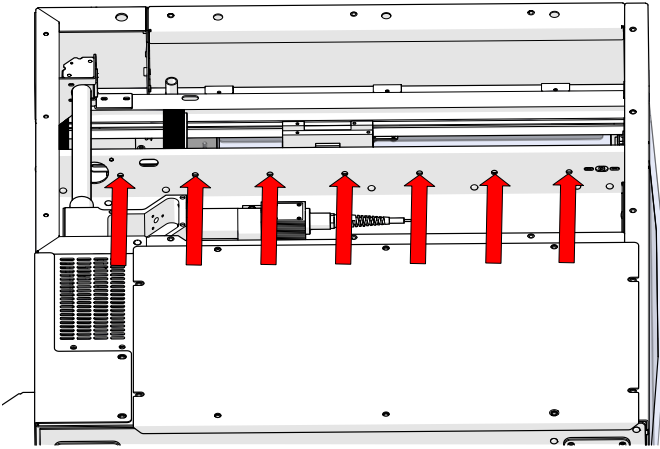


2. Install the rubber bumper on the y-axis guide rail and ensure that the y-axis guide rail is inserted fully forward in the engraver:

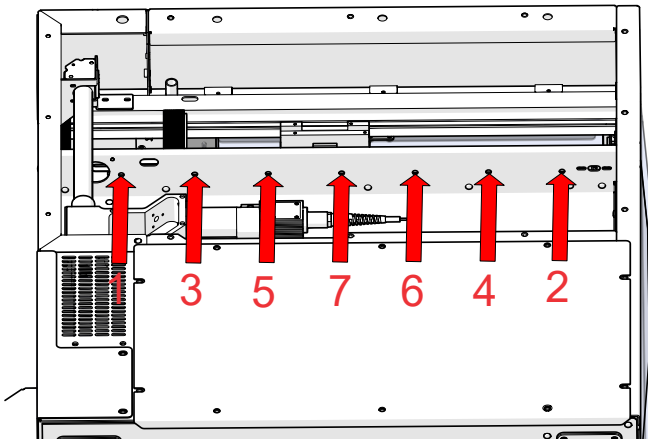


17000 - Y-Axis Bearing Block Replacement

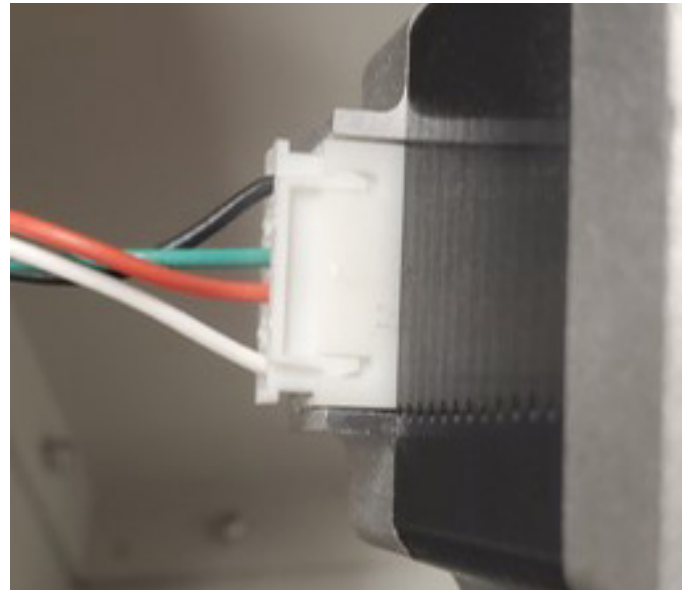
3. Install, but do not fully tighten the four to seven (4-7) 7/64" Allen screws that secure the y-axis assembly to the y-axis guide rail supports through the circular cutouts under the y-axis guide rail:



4. Once all of the y-axis guide rail support screws have been loosely installed, fully tighten each screw following the order below:



5. Connect the y-axis motor harness to the y-axis motor:



6. Position the y-axis motor into the y-axis assembly and loop the y-axis belt around the y-axis drive pulley:

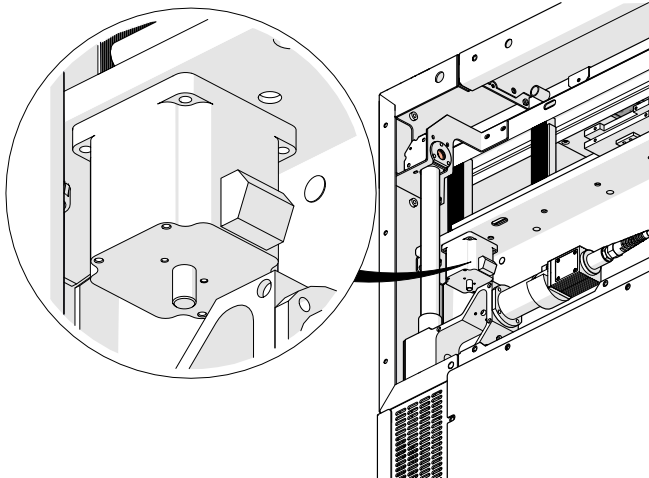


17000 - Y-Axis Bearing Block Replacement

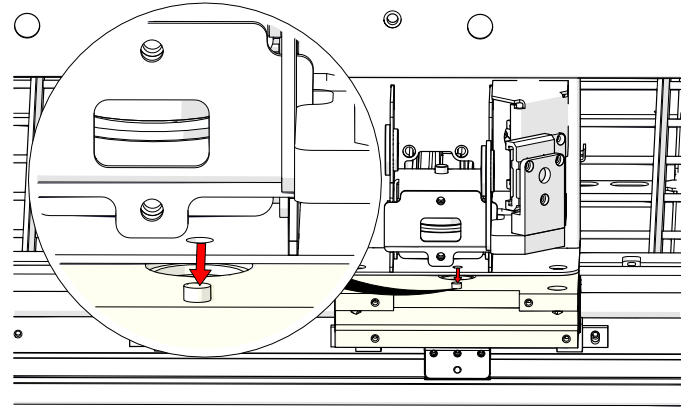
7. Ensure that the y-axis motor is properly seated in the y-axis assembly:



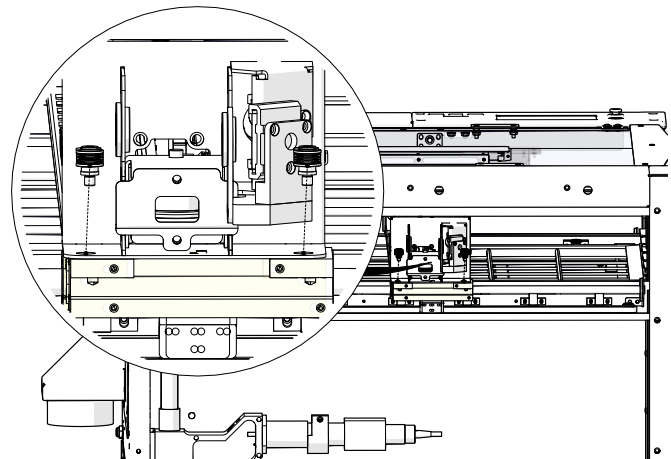
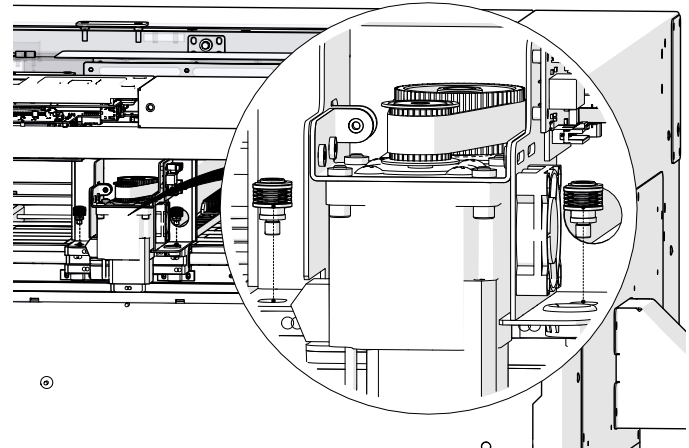
8. Install and tighten the four (4) Phillips screws that secure the y-axis motor to the y-axis assembly:



9. Place the x-axis assembly on the y-axis bearing blocks:



10. Install and tighten the four (4) x-axis assembly fasteners



17000 - Y-Axis Bearing Block Replacement

11. Replace the side panels of the engraver.

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