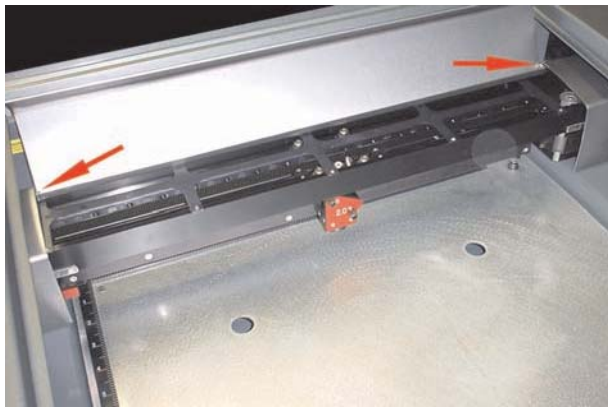


VersaLaser X-axis Bearings



1. Power OFF and unplug the VersaLaser.
2. Pull the X-axis arm forward and lift the arm cover. The cover is held down by magnets and will “stick” slightly when you first begin to pull it upward.

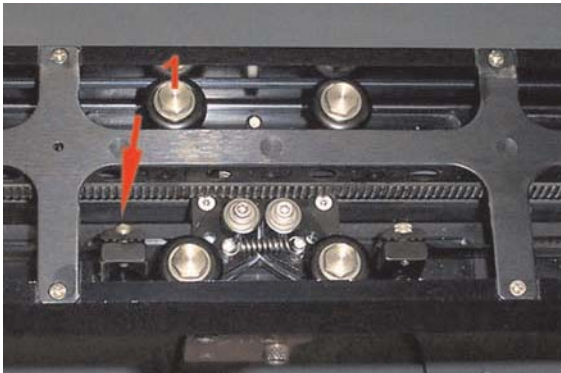
3. Carefully move by hand the Focus Carriage towards the center of the X-axis arm. Looking down on the arm with the cover open, you will see 4 bearings in a square pattern guiding the Focus Carriage Assembly along the X-rails.



4. Bearing replacement is easiest if the Main X-Arm cover is removed first. Using a ball-end Allen wrench, remove the 2 screws shown above. Be careful not to loose the screws or washers.

5. To remove the bearings, first remove the two rear bearings (1 and 2). With these two removed, the front bearings (3 and 4) can then be easily removed. It is recommended to use a 5/16” Nut Driver.

Component Removal and Replacement



6. Push on the bracket as shown above to shift the bearing (1) out of the track. The entire bearing carriage will tilt and the bearing will tilt away from the track.



7. With pressure still applied, use the nut driver to remove the bearing axle in the center of the bearing.





8. Remove the second rear bearing in the same way by pushing on the adjacent bracket and removing the axle and bearing.



9. With the two rear bearings out, you can now remove the remaining two bearings.

Component Removal and Replacement

	
<p>12. Take notice of the Bearing Assembly. There is a small wave washer between the head of the axle and the bearing. Be careful not lose or damage this washer. The bearing itself has no orientation and can be installed with either surface against the carriage.</p>	<p>13. Reinstall the two front bearings first. These were the last two bearings that were removed.</p>

14. Reinstall the top bearings one at a time in the same way they were removed. Push the bracket back, insert the bearing, and tighten.

15. Finally, reinstall the final top bearing. Push the bracket back, insert the bearing, and tighten.

16. Replace the X-axis arm cover.

17. This completes the X-axis Bearing replacement procedure.