

PLATFORM X-AXIS BEARINGS

Revision: May 2018

WHAT THIS GUIDE IS ABOUT

This guide is designed to help perform the installation of x-axis bearings on the platform series of the VLS and PLS Universal Laser Systems.

The replacement of the x-axis bearings will need to be done when your results start to degrade in quality. To prevent unplanned shutdowns, this replacement should occur as part of a preventative maintenance program.

If you own a desktop VLS series Universal laser machine or if you require further help with the information contained in this guide, please contact the LST Group support department at support@lstgroup.com.au

ITEMS REQUIRED

- X-axis bearings
- 3/32 Size Allen key
- 8mm Socket
- Small container

TIME REQUIRED

Approximately 20 minutes

PREPARATION

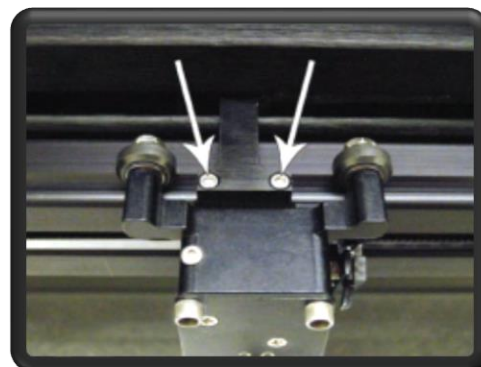
- 1- Turn off the laser machine via the UCP if the machine is currently on, then turn off the power at the power point.

X-AXIS BEARING REMOVAL

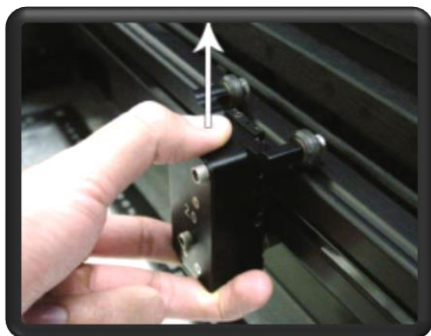
- 1- Open the top door and bring the x-axis arm forward.
- 2- Bring the focus carriage to the middle of the x-axis arm.
- 3- Remove the 2 screws located to the right of the focus carriage using the correct size Allen key.



- 4- If you have air assist installed, unscrew the two screws that hold the Manifold in place. **DO NOT** pull the air assist hoses out of the track.



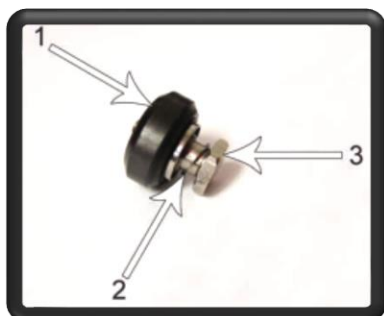
- 5- Grab a hold of the focus carriage and gently push up then tilt forward to remove the focus carriage from the x-axis arm.



- 6- Hold the focus carriage with your hand or place it on a flat surface and remove all 3 bearings using a 8mm socket.

X-AXIS BEARING INSTALLATION

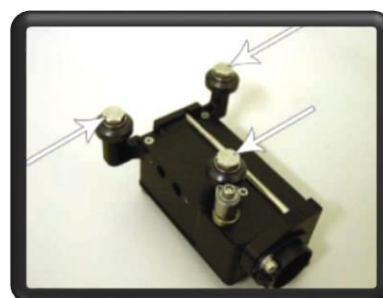
- 1- You will notice on the bearing assembly, there is a small washer (2) between the head of the axle (3) and the bearing (1). The bearing itself has no orientation and can be installed either way.



- 2- We recommend taking this opportunity while the focus carriage is removed to clean both the rails on the x axis arm and the focus carriage itself.

- 3- The installation of the bearings is opposite of the above removal procedure.

- 4- Take caution while tightening the bearing assembly to the focus carriage and apply minimal force to prevent shearing the bearing axle.



CONTACT US

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