

# XL Carriage Board replacement

**Note: Be careful when removing any parts. Keep parts in a safe location for reuse.**

1. Power off the machine and press the Emergency Stop button (red button right above the XL display board)
2. Disconnect power cords from the back of the XL.
3. Open top door.
4. Pull X-arm towards you.

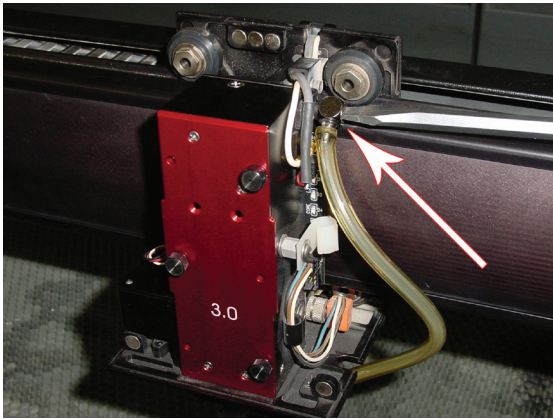


Figure 1

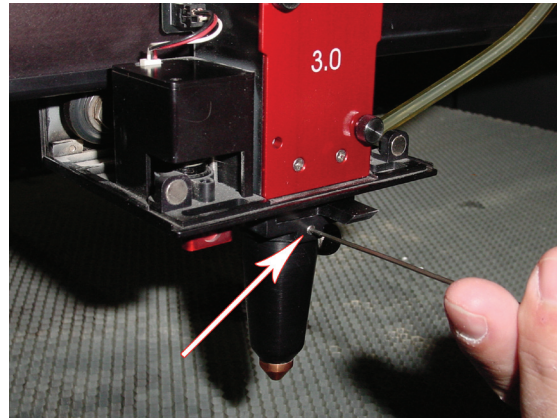
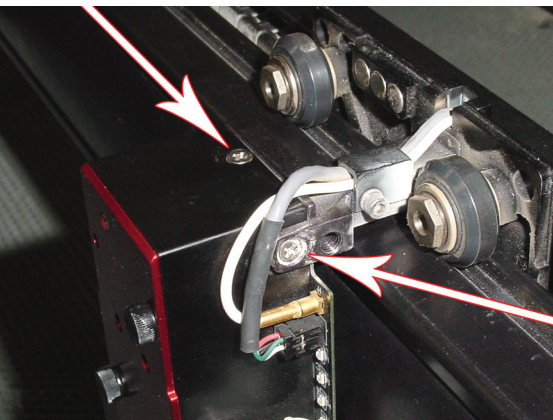
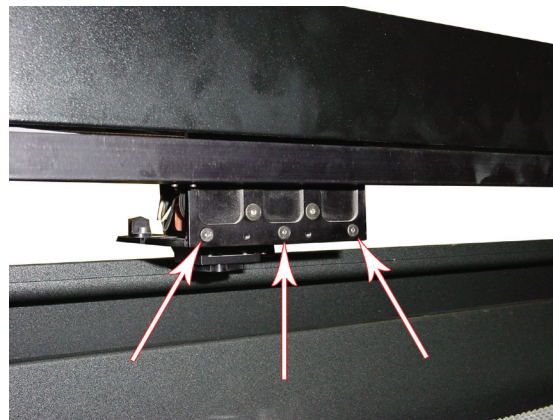


Figure 2

5. If installed, remove the Air Assist cone by undoing the screws shown. If the Air Assist cone is not installed proceed to step 6. Loosen the screw in Figure 2 but do not remove it. **GENTLY** pull down the Air Assist Cone once you loosen the screw in Figure 2 and set the Air Assist Cone aside.

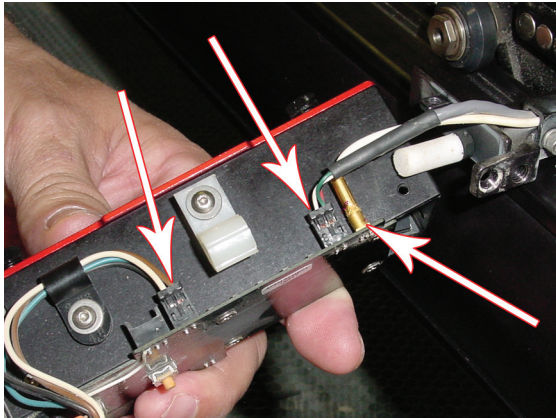


6. Remove the two screws shown.

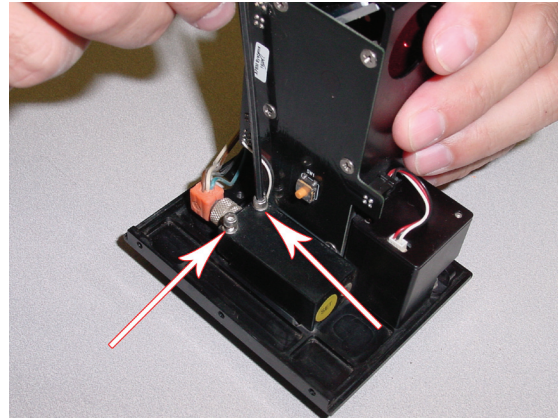


7. Look behind the focus carriage and remove the 3 screws shown.

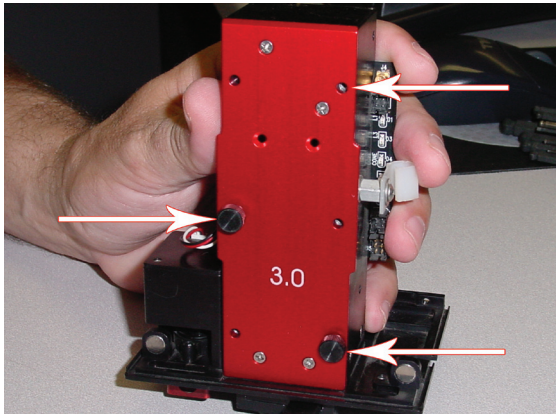
8. Grab a hold of the focus carriage and **GENTLY** pull the focus carriage towards you. When pulling the focus carriage towards you use caution because some wires are still attached.



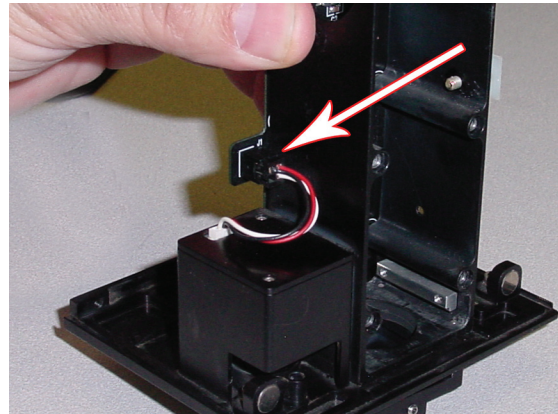
9. Disconnect the 3 wire connectors shown from the side of the focus carriage. Once disconnected you can move to a comfortable working area to continue with this process.



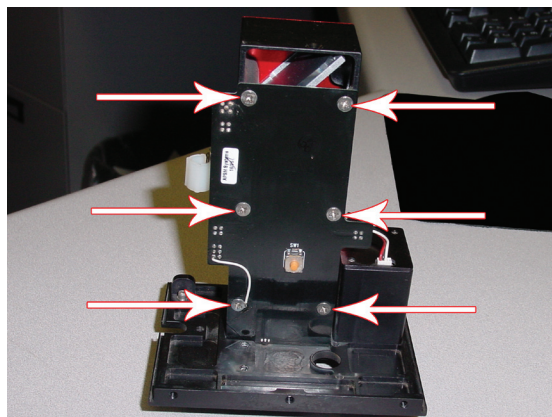
10. Turn the focus carriage assembly over and remove the Auto Focus Sensor by undoing the 2 screws shown.



11. Remove the red cover from the focus carriage by unscrewing the 3 thumbscrews (only 2 shown).



12. Once the red focus carriage cover is removed unplug the wire connector shown located to the left of the focus carriage.



13. Remove the 6 screws shown that hold the carriage board in place. The carriage board is located behind the focus carriage. **GENTLY** slide the board up and out once the screws are undone.

14. Installation is opposite of removal.