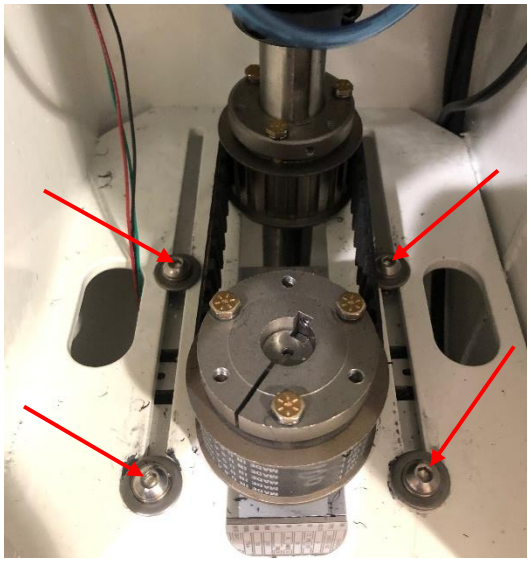
5.4 Drive Pulley Adjustment/Replacement

Note: This section goes into detail about how to adjust the position of the drive motor pulley, and details on how to replace the pulley if needed.

1. Power-Off the Olympus O-Frame by disconnecting the AC supply power to the SSIU. Follow your site "Lock-Out" procedure to ensure the power is not restored until this procedure is completed.
2. Using a standard Philips head screwdriver, open the panels covering the housing station for the drive motor on the Olympus O-Frame (see Figure 5.1.1).
   Figure 5.1.1 is on page 13

3. Use a 5/32" Allen wrench to loosen the four retaining bolts for the motor (see Figure 5.4.1).

   Figure 5.4.1

4. Once the retaining bolts are loose, remove the drive belt.

5. To REMOVE a drive pulley: Using a 5/16" wrench, remove the three bolts that secure the split-taper bushing to the pulley (see Figure 5.4.2).

Figure 5.4.2

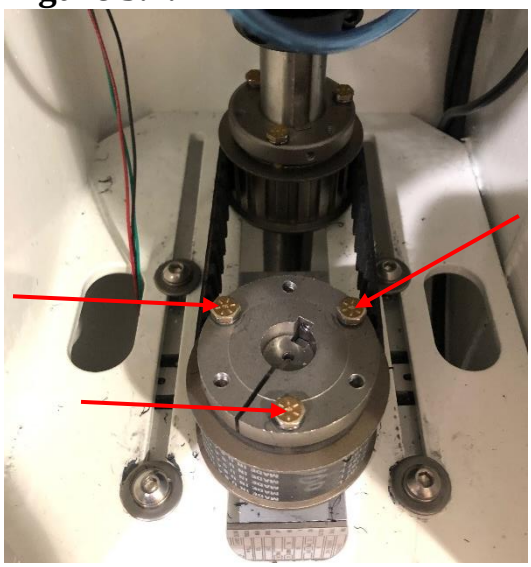
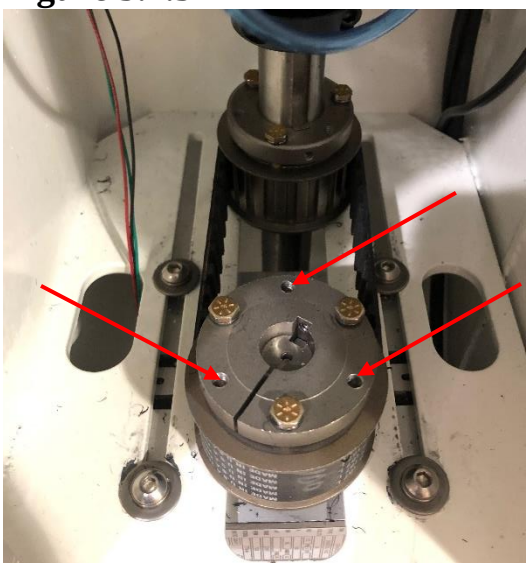


Figure 5.4.3



6. Once the bolts have been removed, thread the bolts into the other two holes within the split-taper bushing. Using the 5/16” wrench alternate tightening the bolts until the split-taper bushing and the pulley separate (see Figure 5.4.3).
7. To INSTALL a drive pulley: Place the split-taper bushing and the pulley onto the shaft. Align the split-taper bushing and pulley so the non-threaded bushing holes line up to the threaded holes on the pulley (see Figure 5.4.2 and Figure 5.4.3).
8. Ensure that the pulley is parallel to the matching pulley located on the drive shaft. For more details on installing the drive belt, see section 5.2.
9. To tighten a drive pulley, insert the three bolts and begin alternately tightening the bolts so the bushing becomes joined to the pulley.
10. Once complete, place the belt back around the pulley, and ensure there is appropriate belt tension.
11. Once the unit has passed a visual inspection, reinstall and secure all panels on the Olympus O-Frame.
12. Return power to the unit and follow the system restart procedure found in Section 3.0.