

## **5.1 Drive Motor Replacement**

Note: This section explains how to remove the Drive Motor. This section briefly mentions removing other parts, but you will need to see other sections for more detailed explanations

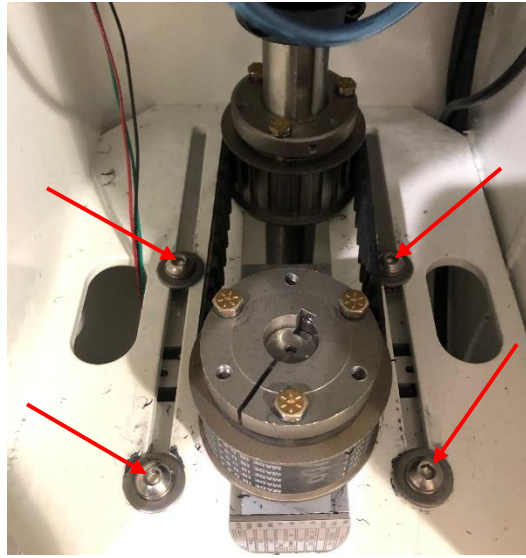
1. Power-Off the Olympus O-Frame by disconnecting the AC supply power to the SSIU. Follow your site “Lock-Out” procedure to ensure the power is not restored until this procedure is completed.
2. Using a standard Philips head screwdriver, open the panels covering the housing station for the drive motor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

**Figure 5.1.1**



3. Locate the five wires/cable from the motor to the Drive PCB. Note the location and remove the three wires from the motor to the Drive PCB. Separate the cable leading to the five-wire plug on the Drive PCB; and remove the ground cable using a 5/16” wrench.
4. Use a 5/32” Allen wrench to loosen the four retaining bolts for the motor (see Figure 5.1.2).

**Figure 5.1.2**



5. Once the retaining bolts are loose, remove the drive belt from the drive pulley. For details on the drive belt, see section 5.2.
6. Remove the drive pulley from the motor. For details on the drive pulley, see section 5.4.
7. Use a 5/32" Allen wrench to remove the four retaining bolts for the motor (see figure 5.1.2).
8. Remove the encoder from the shaft of the drive motor. For details on removing the encoder, see section 5.5.
9. Reverse this procedure to re-install the motor assembly.
10. Once the unit has passed a visual inspection, reinstall and secure all panels on the Olympus O-Frame.
11. Return power to the unit and follow the system restart procedure found in Section 3.0.