



---

**Replacement of Z-drive Assembly on CETAC  
Technologies ASX-100 Autosamplers**

## Replacement of Z-drive Assembly on CETAC Technologies ASX-100 Autosamplers

1. Remove old z-drive assembly by opening the lid of the autosampler and unscrewing the knurled mounting nut on the under side of the lid.



2. Loosen the z-rotor clamp screw with a #2 Philips screwdriver.



3. Remove the peek fitting from the side of the z-motor stator, and discard the z-drive assembly.



4. Curl the peek tubing on the new z-drive assembly to a diameter of approximately 2.5 inches (6.5 cm) using the round shaft of a hand tool as shown.



5. Feed the tubing into the stator and set the clamp on the tubing with a #2 Philips screw driver. You will need to use a very thin tool to press the peek tubing into the clamp while you tighten it. If you do not have the peek tubing seated, you may get a bad grip on the peek and/or strip the threads for the clamp screw.



6. Thread the peek fitting into the stator and check positioning. The clamp should be in about a 1:00 o'clock position when the z-slider is down and in about a 5:00 position when the z-slider is up.
7. You may need to remove the fitting and trim the drive tubing to prevent binding.
8. Adjust as necessary.