



Guide for Replacing the Z-Axis Peek Tubing on CETAC Autosamplers

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This guide describes the necessary steps for replacing the Z-axis peek tubing on CETAC autosamplers.

Replacing the Peek Tubing

1. Remove the Z-axis drive assembly from the autosampler.
2. Hold the Z-axis drive assembly by the slider.
3. On the slider, cut the peek tubing in the exposed opening (Figure 1).

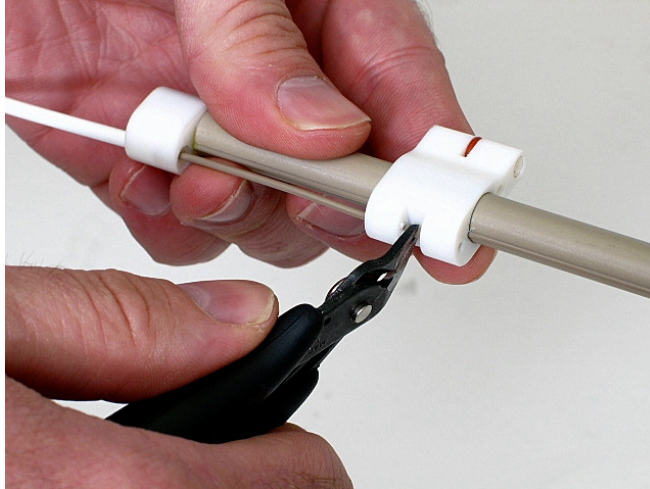


Figure 1. Cutting the Peek Tubing.

4. Slide the peek tubing out of the Z-axis drive assembly.
5. Slide in the new peek tubing, cut to 43 inches, until it reaches the slider.
6. Push the tubing into the slider, guiding it through the second hole until it comes out of the bottom of the slider (Figure 2).



Figure 2. Inserting the New Peek Tubing.

7. Crimp the exposed tubing in the opening of the slider (Figure 3).

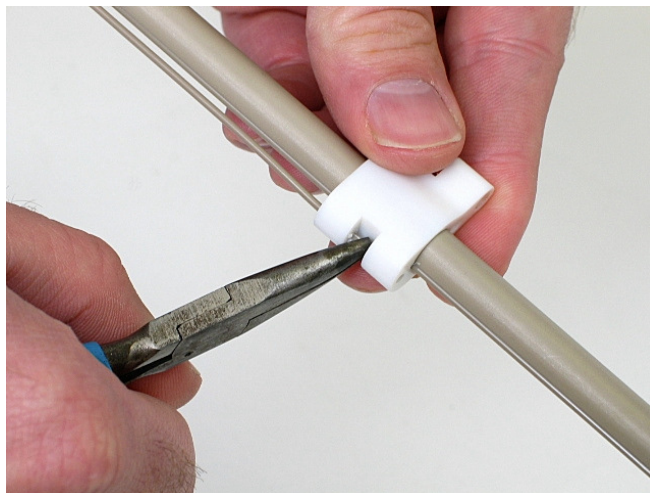


Figure 3. Crimping the Peek Tubing.

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8. Make sure that the peek tubing has been crimped enough so that it is firm and does not move around in the slider. You can crimp on the top of the gap then push the peek up and crimp on the bottom of the gap. The idea is to reduce any slop.
9. Cut the excess peek tubing at the bottom of the slider (Figure 4).

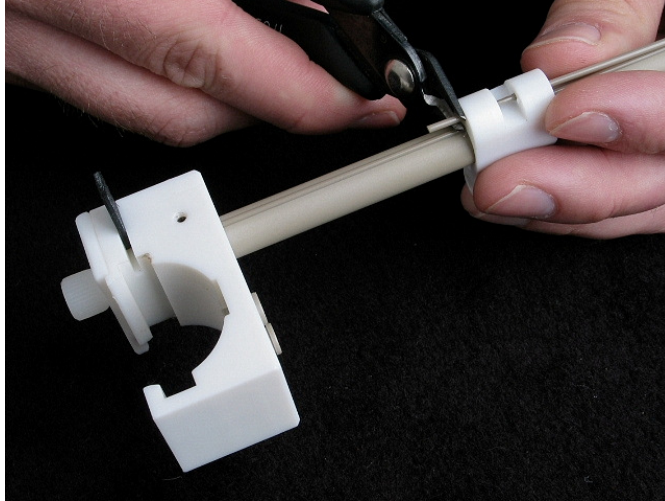


Figure 4. Cutting the Excess Peek Tubing

10. If the peek tubing is straight, curl the end by placing the peek tubing between your thumb and metal shaft of screwdriver and pull out while applying pressure to the peek tubing (Figure 5).

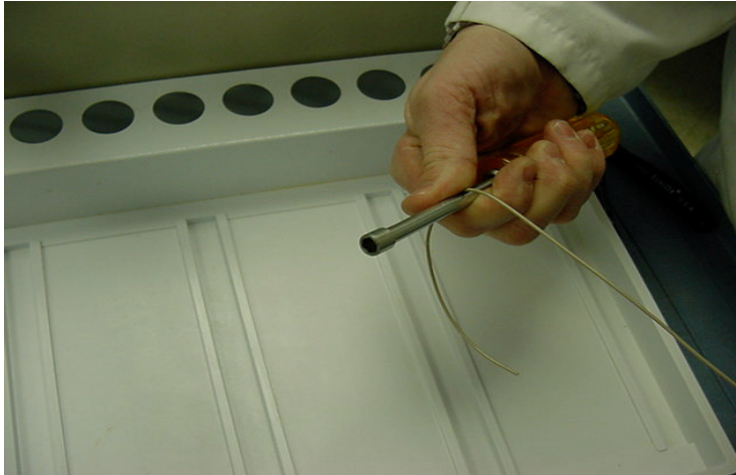


Figure 5. Curling of peek tubing.



Figure 6. Securing peek tubing to rotor.

11. Put Z-axis drive assembly back onto the autosampler. Secure the Guide block on the arm, alignment block on the back above the rotor (note the orientation of the block) and secure the peek to the rotor leaving a small gap at the top of the z-drive. (Figures 6 and 7)

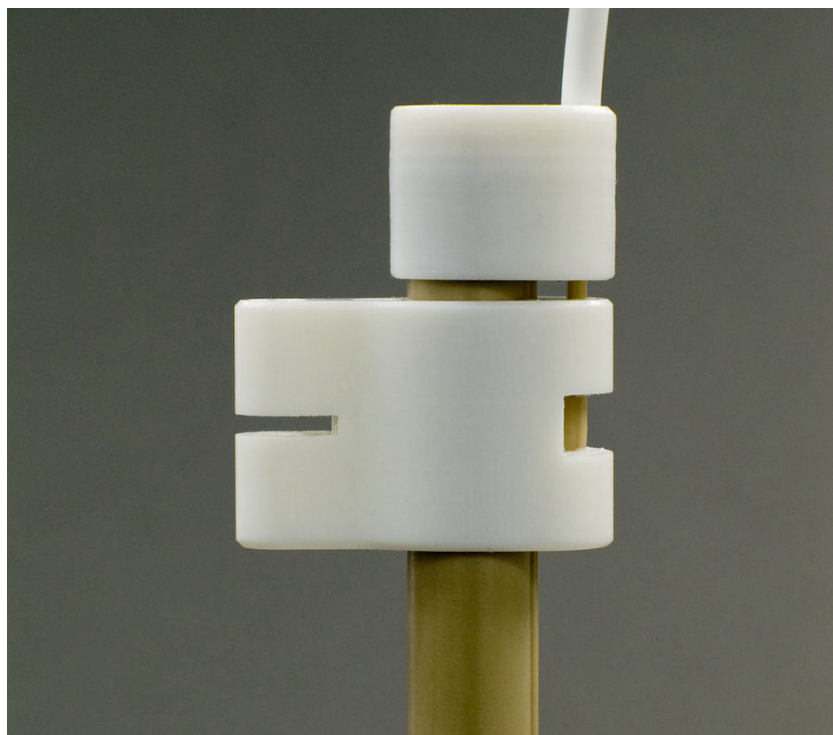


Figure 7a. View of gap between probe bracket and cap (standard Z-drive assy.).

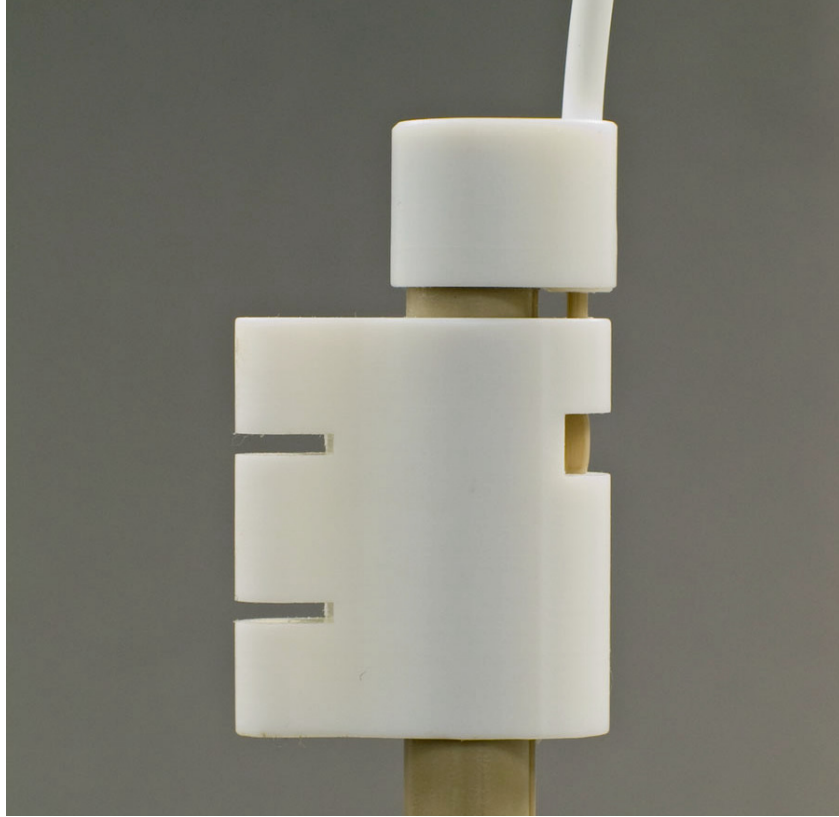


Figure 7b. View of gap between probe bracket and cap (carbon fiber style Z-drive assy.).

12. Test and turn to service.