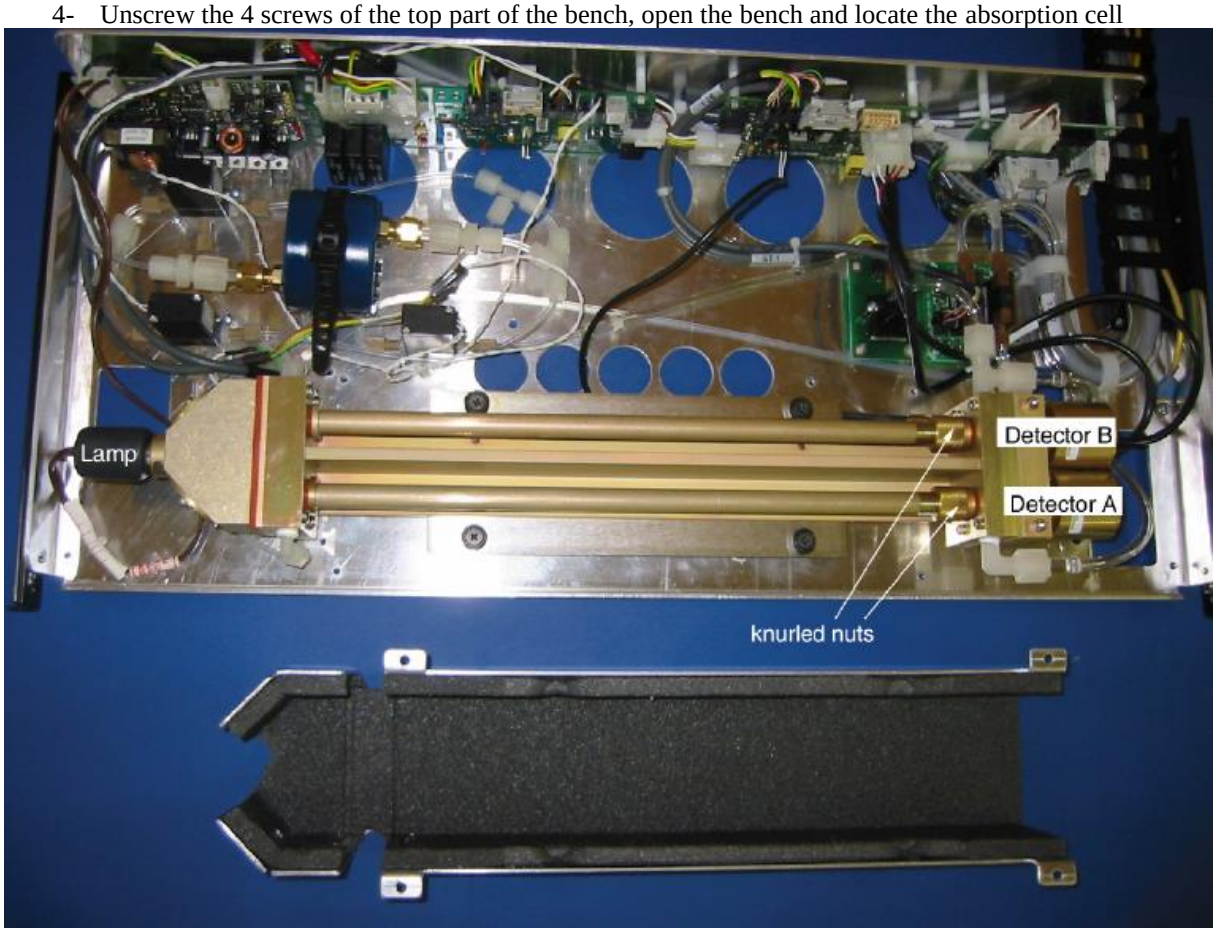
O3 module (T) – Cleaning the absorption cell

1- Tools you need
- 1 big Philips screwdriver
- 40 cm of teflon tube 1/8″ [800-301501]
- a rubber lid
- a lint-free cloth or sample filter 47mm [800-330030]

2- Turn off the airpointer, pull out the power cord, and pull out the ozone module

3- Unscrew and remove the bench cover

4- Unscrew the 4 screws of the top part of the bench, open the bench and locate the absorption cell



5- Loosen the nut at the end of the first absorption

6- Using both hands, slide the tube toward the lamp housing. The front of the tube can now be slid past the detector block and out of the instrument

7- Clean the tube at first with a dry, lint free cloth (e.g., Teflonsheet). If this does not work, repeat cleaning with a wet cloth. If persistent dirt is still left, clean with water by running a swab from end to end. Rinse with clean water afterwards, then let it air-dry. Check the cleaning job by looking down the bore of the tube. It should be free from dirt and lint

 Do not use abrasive material to avoid scratching the inner surface of the absorption tube

 Alcohol or cleaning agents must NOT be used

8- Inspect the O-Rings that seal the ends of the optical tube (these O-Rings may stay seated in the manifolds when the tube is removed.) If there is any noticeable damage to these O-Rings, they should be replaced

9- Reassemble the tube into the lamp housing and repeat the operation for the second tube

10- perform a Sample Flow Check

 It is important for proper optical alignment that the tube be pushed all the way down (detector end) of the optical bench when it is reassembled

 The cells should be tightened with fingers only