

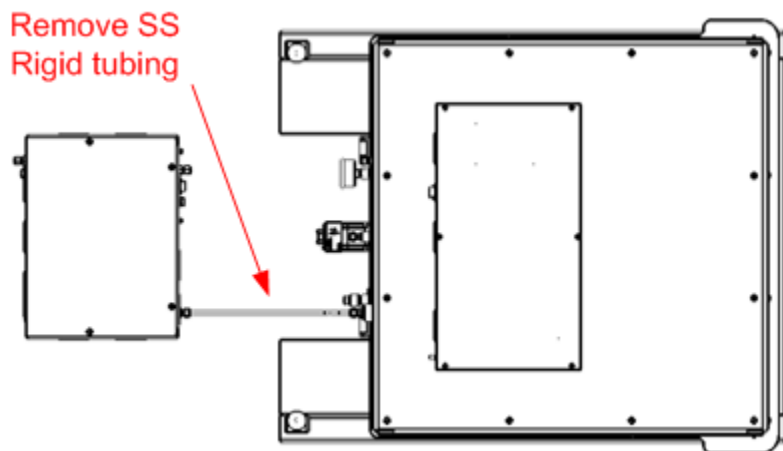
Opening the UltraLo-1800

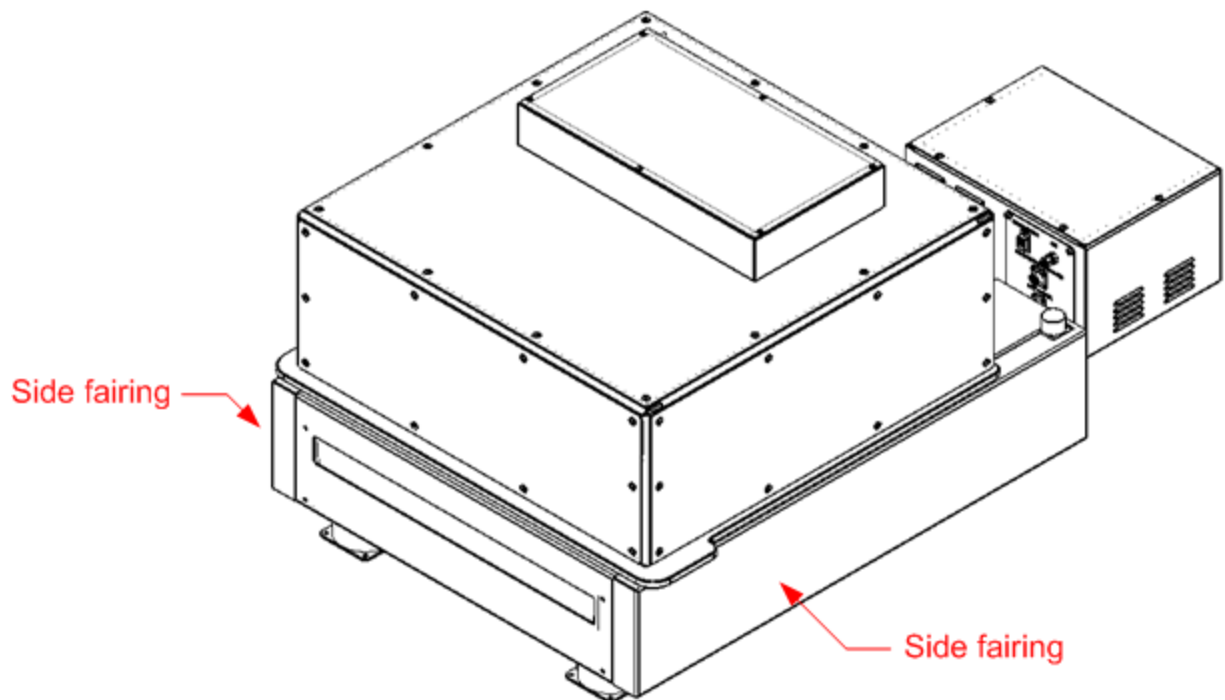
Requirements

1. 1x 5/8 inch box wrench.
2. 2x 9/16 inch box wrench.
3. 1x 3/8 inch hex key (included with UltraLo).
4. Clean wipes.
5. Methyl or Isopropyl alcohol.
6. Nitrile gloves.

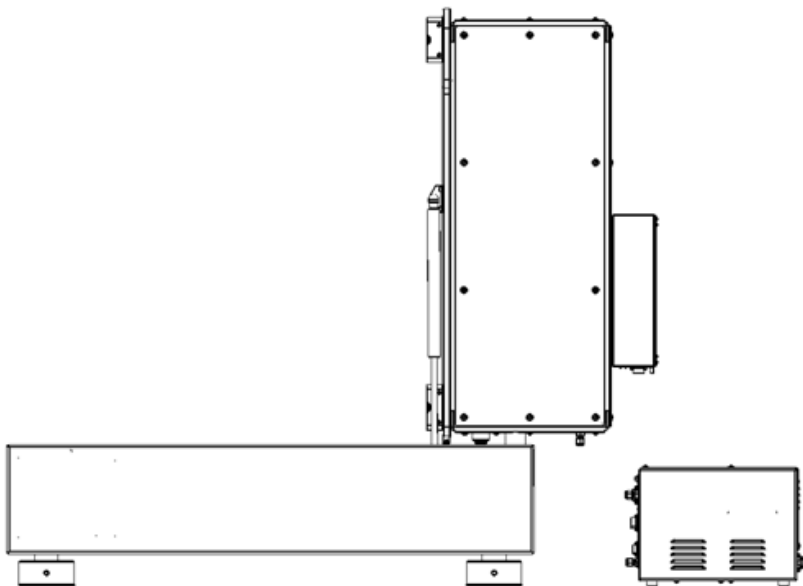
Instructions

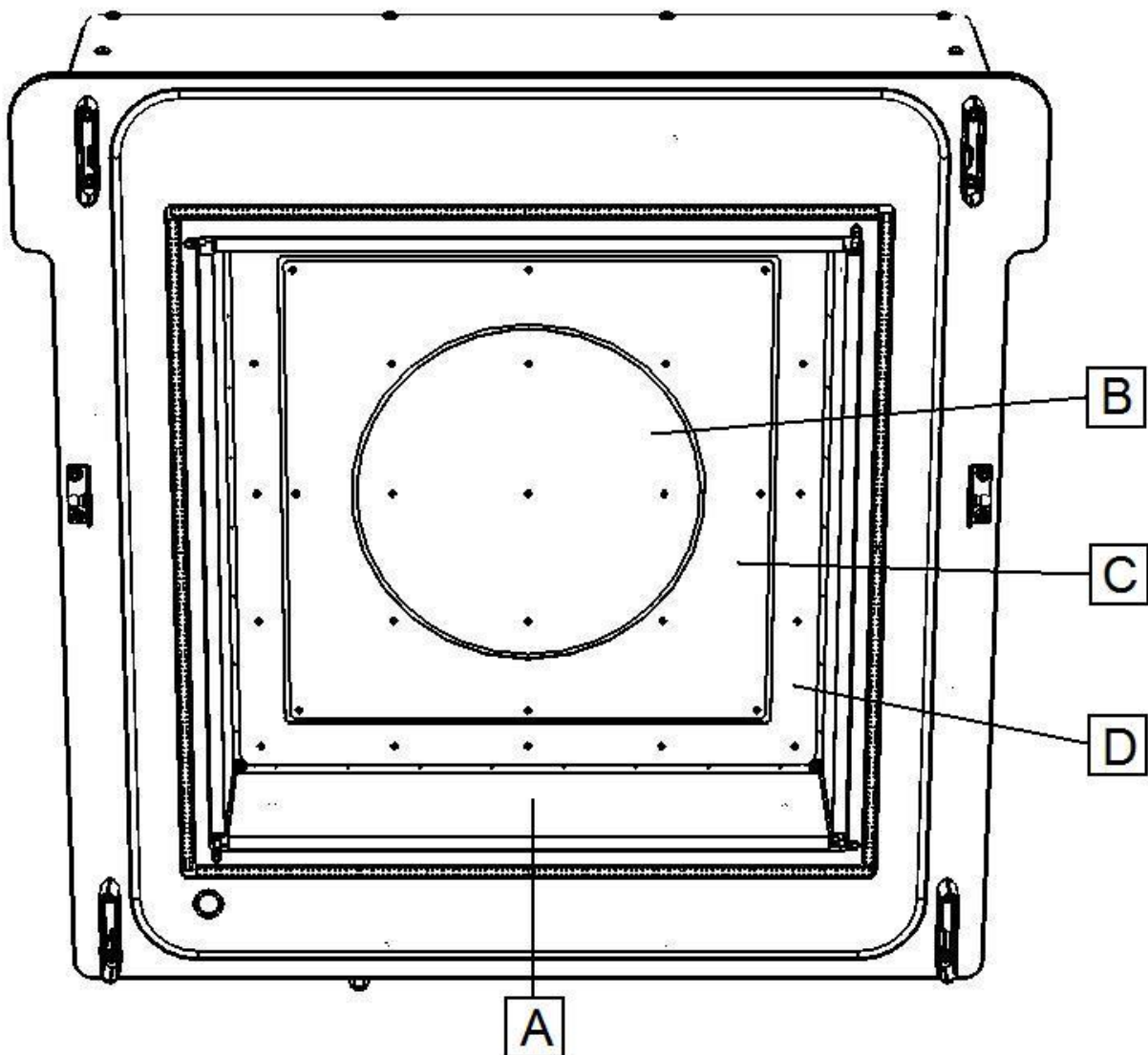
1. Remove any objects from the top of the counter.
2. If CounterMeasure is running on the laptop, shut it down.
3. Turn off the power to the UltraLo.
4. Remove stainless steel rigid tubing between support box and counter.
 - a. Using the 5/8" and 9/16" wrenches, undo the connection between the rigid gas tube and the support box.
 - b. Using the 9/16" wrenches, undo the connection between the rigid gas tube and the counter.
 - c. Set aside the rigid gas tube.





5. Remove the fairings on the side of the counter, set them aside somewhere where they won't be damaged.
6. Using the hex key, undo the four latches that were under the ferules.
7. Carefully open the UltraLo using the protruding handles. There are gas springs, to reduce the force required to open it, and they will keep it in the open position.





8. Don a pair of gloves, and using clean wipes wetted with alcohol wipe down the copper sidewalls (denoted **A** in the figure above).
 - a. This works best if you start with the top, then do the left/right, and finish with the bottom. This prevents anything loosened from the top or sides to settle onto the bottom.
 - b. It also helps to generally wipe from front to back.
 - c. You'll want to be gentle, but the sidewalls are very robust and can handle a solid wiping.
 - d. You don't need to use a new wipe for each side panel, but you should try to use a different part of the same wipe if you use the same one.
9. Carefully close the lid. Again, the gas springs will help.
10. Redo the latches.

11. Put the side fairings back on.
12. Put the rigid gas tube back on, being careful not to damage the plastic part on the back of the counter.
13. Turn the power on the support box back on.
14. Open CounterMeasure, and start a run. You will likely need to purge more than once because of the extended period of room air exposure.