

FLEX Maintenance Kit part needed:

Pinch Valve Tube
(Qty 1- part# 9313)

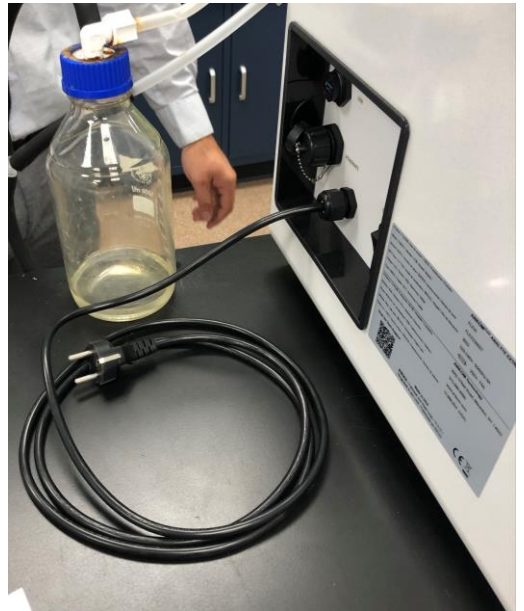


FLEX Tool Kit:

- 3mm Tee Handle Hex Wrench
- 1/8" Hex Driver
- 90 Degree Angled Pic
- 14mm Open End Wrench
- Hex Wrench Set



1. Turn the instrument off and unplug.

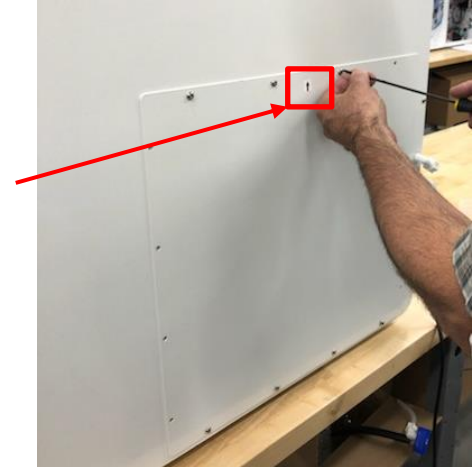


2. Disconnect the waste and vent lines.



- Use a 1/8" Hex Driver to remove the (16) Electrical Panel screws from the back of the Instrument. Next remove the panel.

IMPORTANT: Maintain the same top edge orientation when the panel is reinstalled. The arrow on the panel indicates which edge is on top.



- Use an adjustable wrench to slightly loosen the hex nut on the rear panel nitrogen fitting while keeping the nitrogen connected.



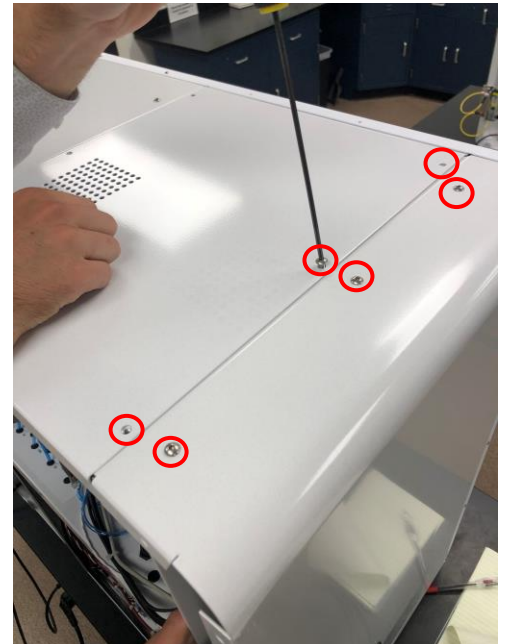
- Using the same 1/8" Hex Driver, remove the (20) Rear Panel screws from the back of the Instrument.



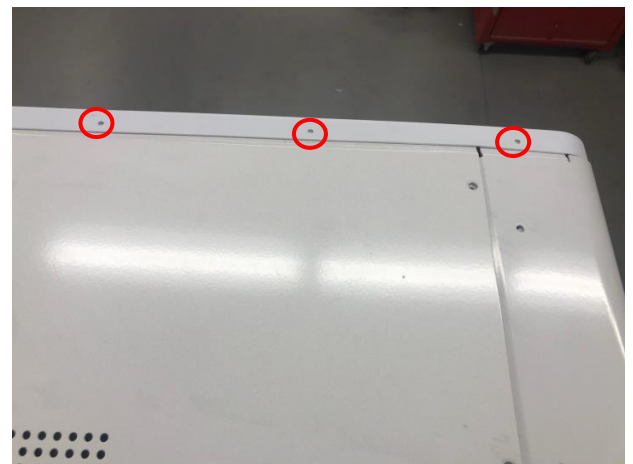
6. Slide the Nitrogen fitting out of the slot in the Rear Panel and remove the panel from the Instrument.



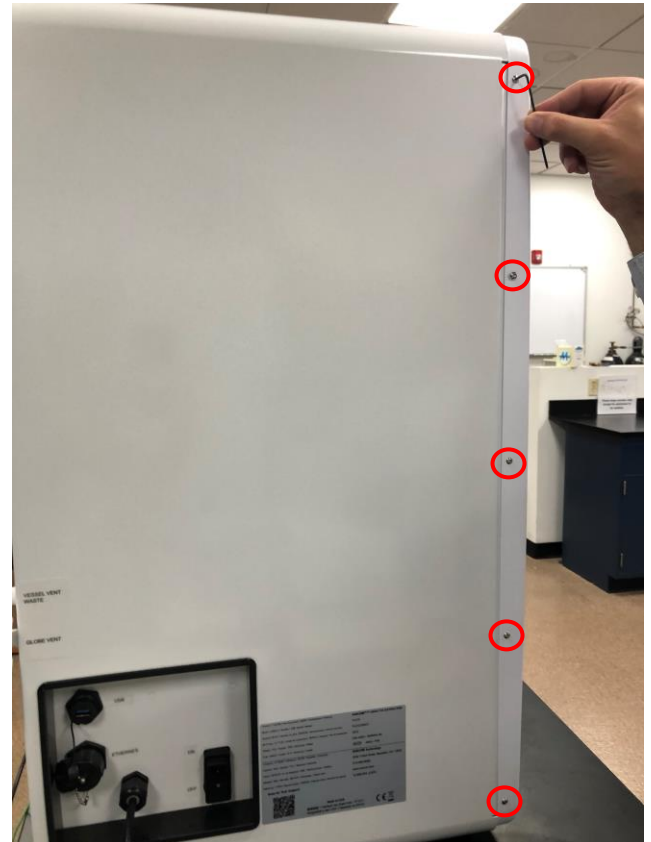
7. Using the same 1/8" Hex Driver, remove the six screws on the left side of the top panel.



8. Use the 5/64" Hex Wrench to remove the three screws on the left side of the front bezel.



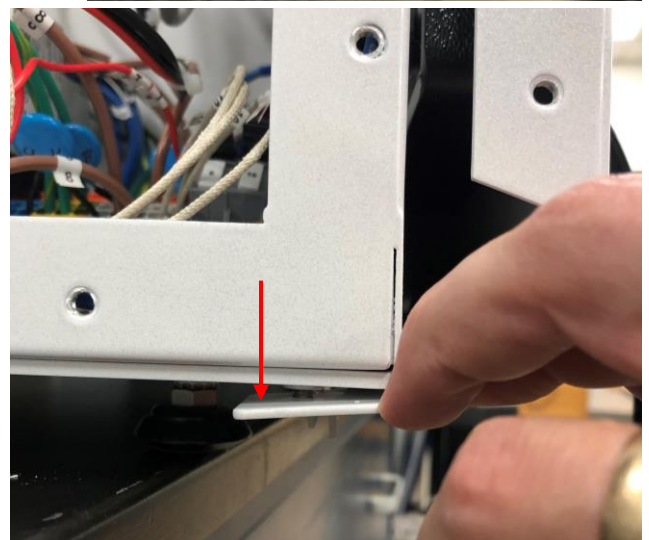
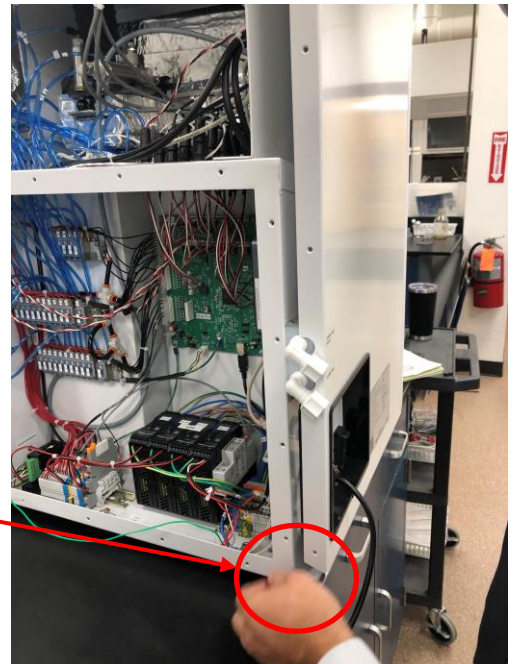
9. Use the 5/64" Hex Wrench to remove the five screws on the left side of the instrument bezzel.



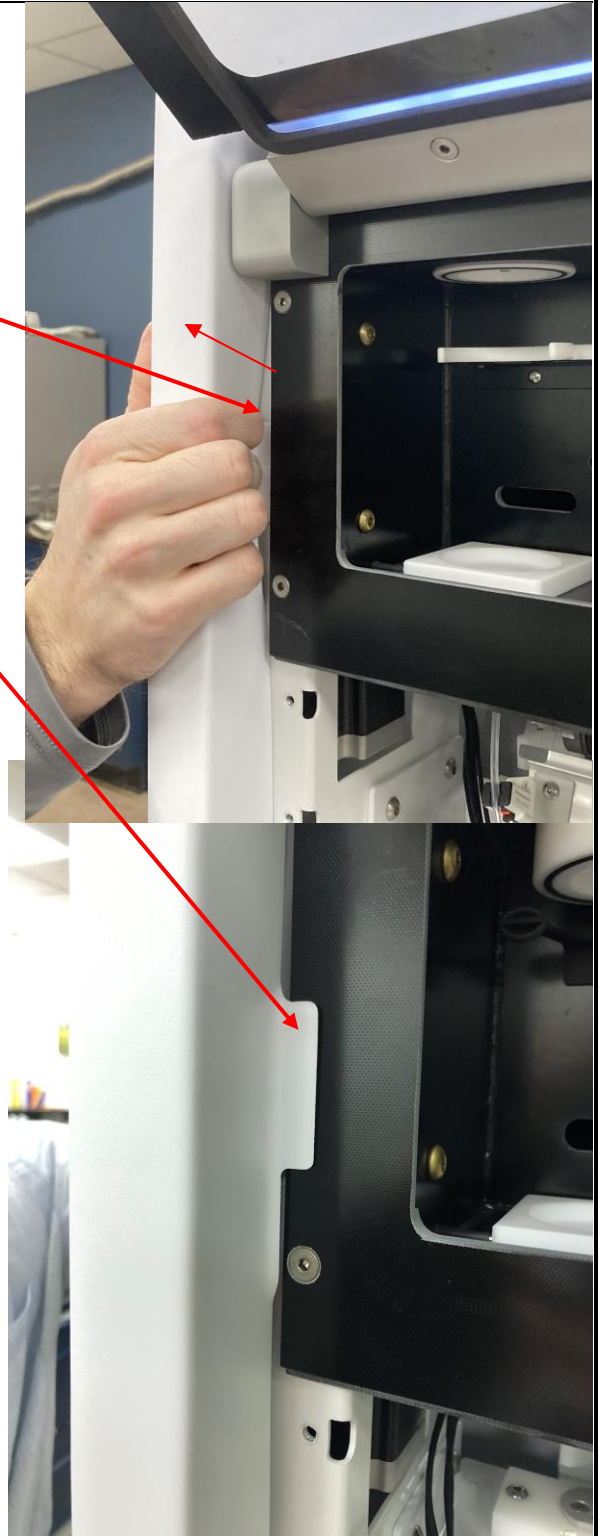
10. If possible, move the FLEX so that it is at the edge of the counter/table. This will allow the access to the bottom screws on the left side. Remove the three screws using the 3/32" Hex Wrench.



11. Push down on the bottom of the side panel to get it around the screw bottom.



12. There is a tab next to the digestion oven that needs to be removed. Squeeze the side of the bezel and pull out the tab.



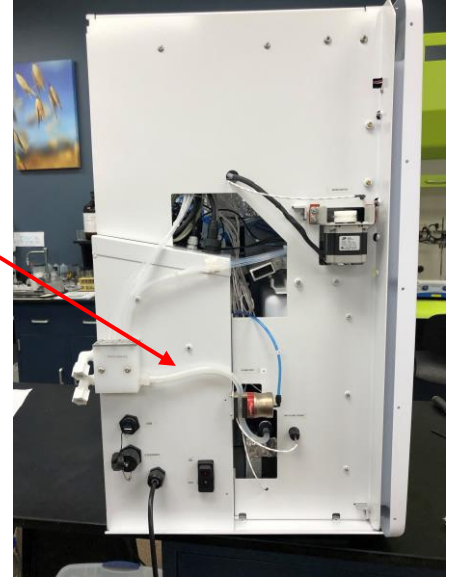
13. Remove the side panel by pulling towards the back of the instrument and then out. Pull Bezel forward away from the side panel.



Make sure to remove the cord from the window.



14. Locate the tube pinch on the side of the instrument.



15. Remove the pinch tube from the barb fitting on the waste manifold.



16. Remove the pinch tube from the globe vent pinch valve.



17. Remove the pinch tube from the black barb on the exhaust manifold.



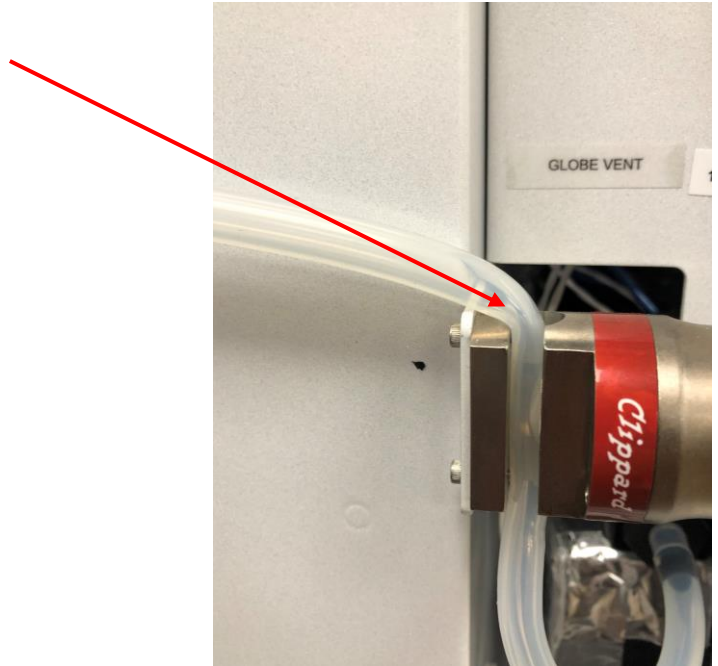
18. Replace with new pinch tube. Attach to the black barb on the exhaust manifold.



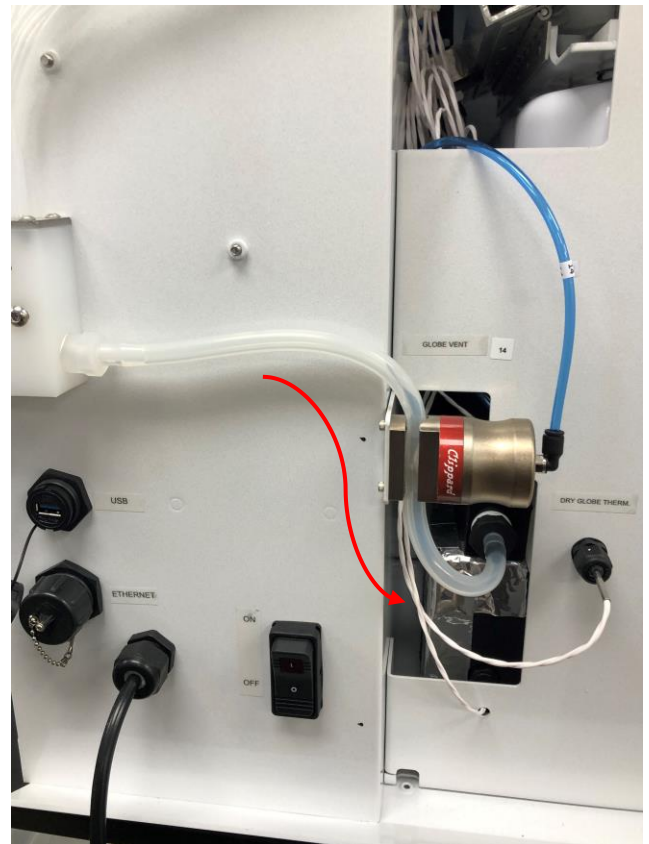
19. Insert the pinch tube into the globe vent pinch valve.



20. Make sure that there are no kinks in the tube.



The tube should have rounded curves.



21. While the side panel is still off, conduct a pressure check. Install the round bottom flasks, columns, and digestion vessels.

Turn on the column lock.

Open globe vent and turn on globe nitrogen.

Observe the globe pressure. It should not be above 12 psi. Listen for any leaks.



22. Next, reinstall all the panels and the screws on the instrument in reverse order.

Step 1



Step 2



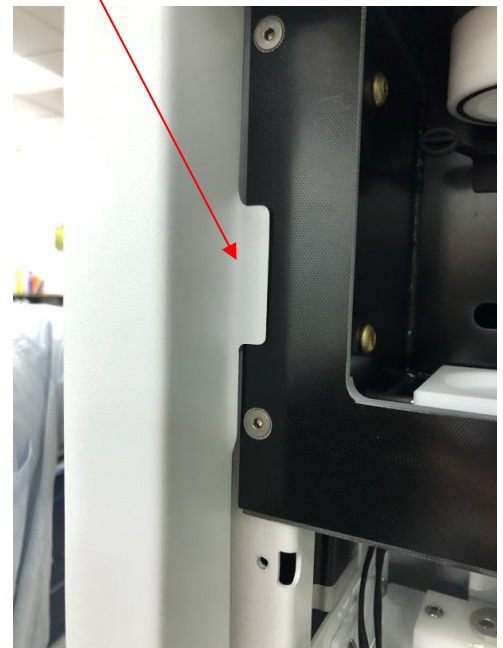
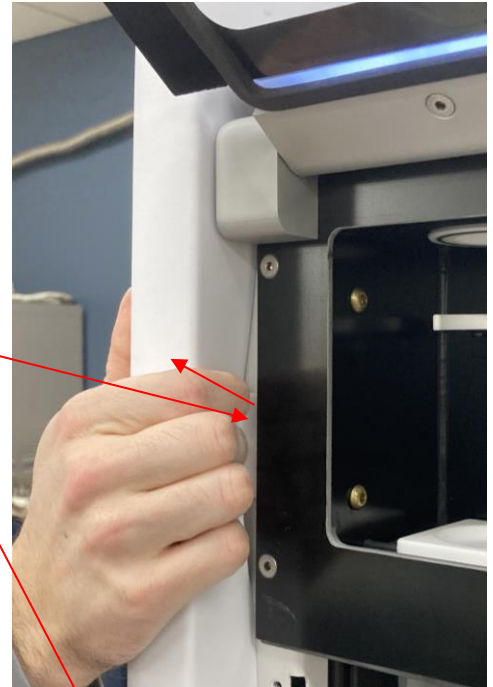
Step 3



23. Reinstall the side panel.

Before reinstalling the screws on the side panel, the bezel tab next to the digestion oven needs to be pushed in and placed behind the oven faceplate.

After side panel is in place and tab is tucked behind the digestion oven faceplate, then install screws as shown below.



24. Ensure slots on side panel align with waste connection fittings. The bottom of the side panel needs to be moved down over the bolt end and flush at mounting points. (Fig. 1)

Once the back panel is reinstalled, connect the Nitrogen fitting into its slot.

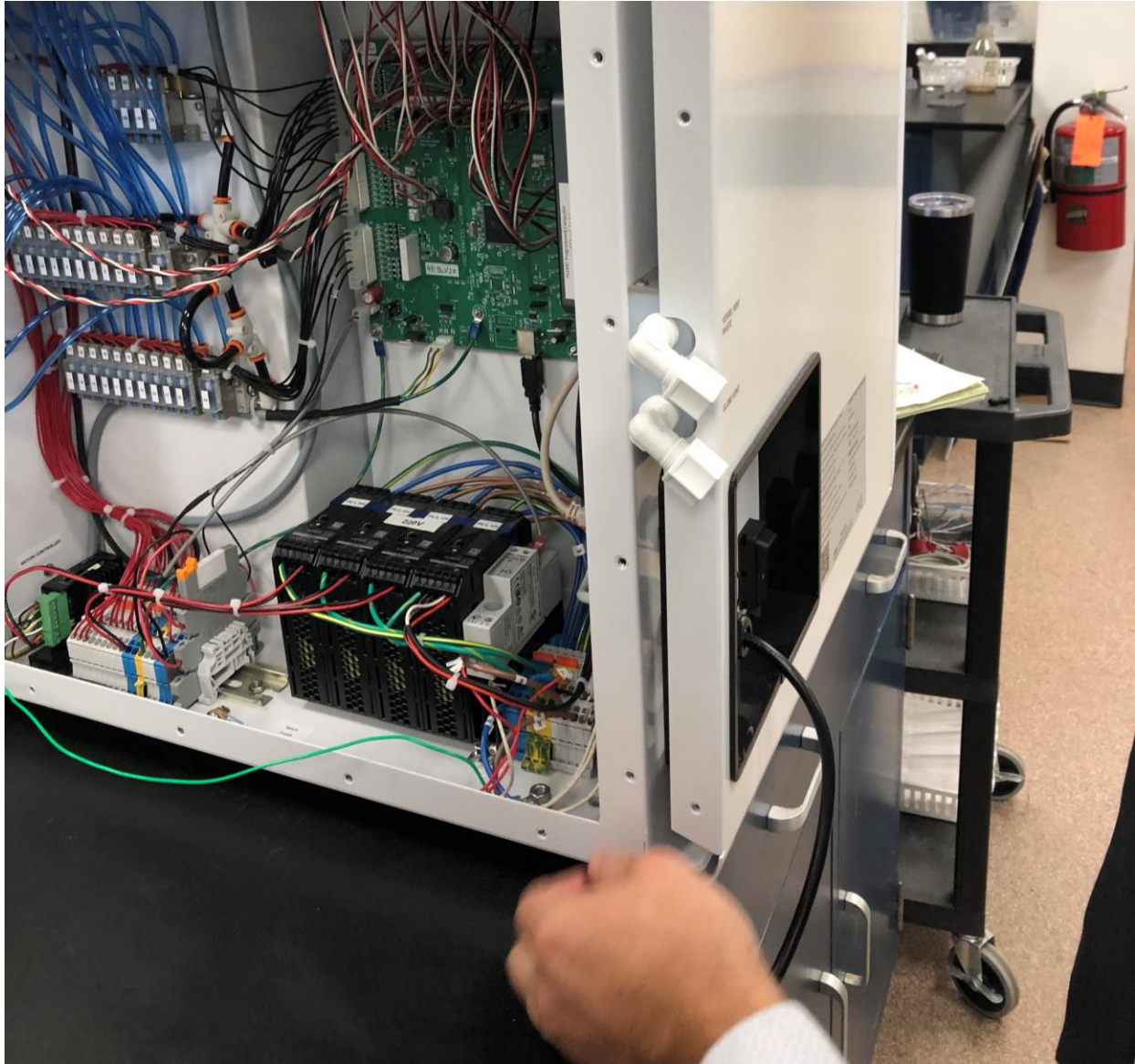
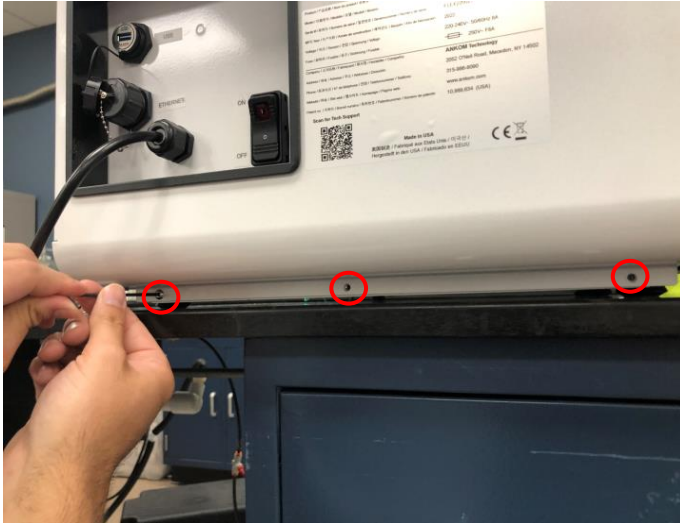


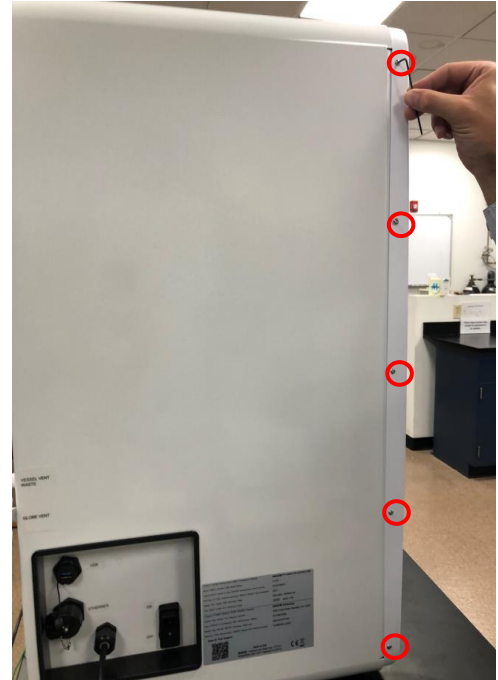
Fig. 1

25. Continue to install each panel in the following order. Be sure to line up holes on top of the instrument.

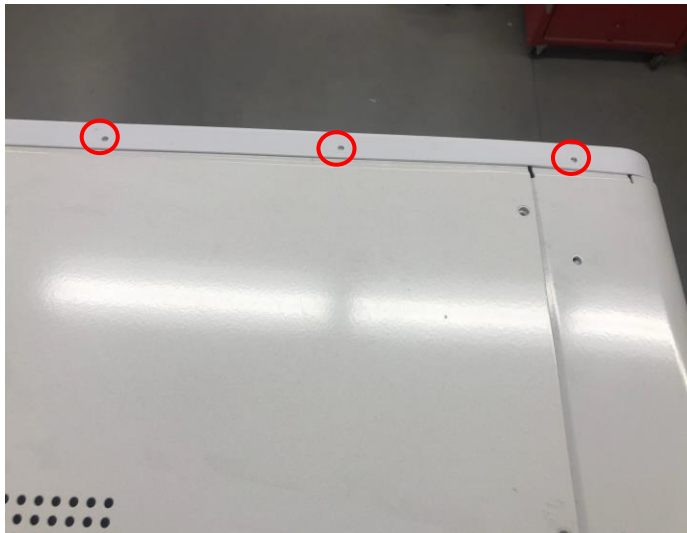
Step 4



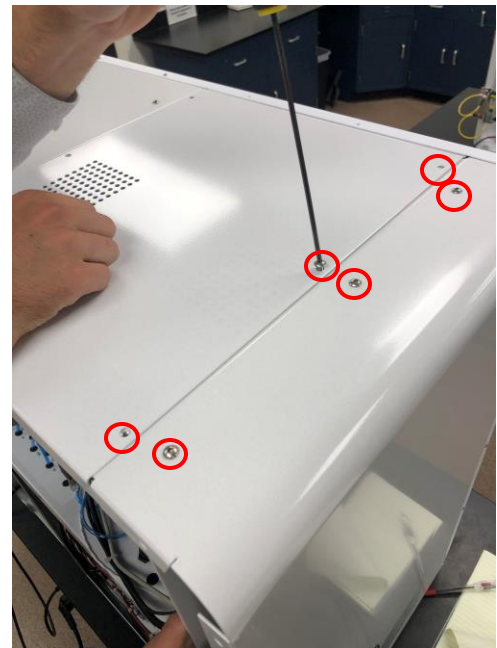
Step 5



Step 6



Step 7



26. Refer to Steps 3-6 to reinstall the back panels. Reconnect waste and vent lines.