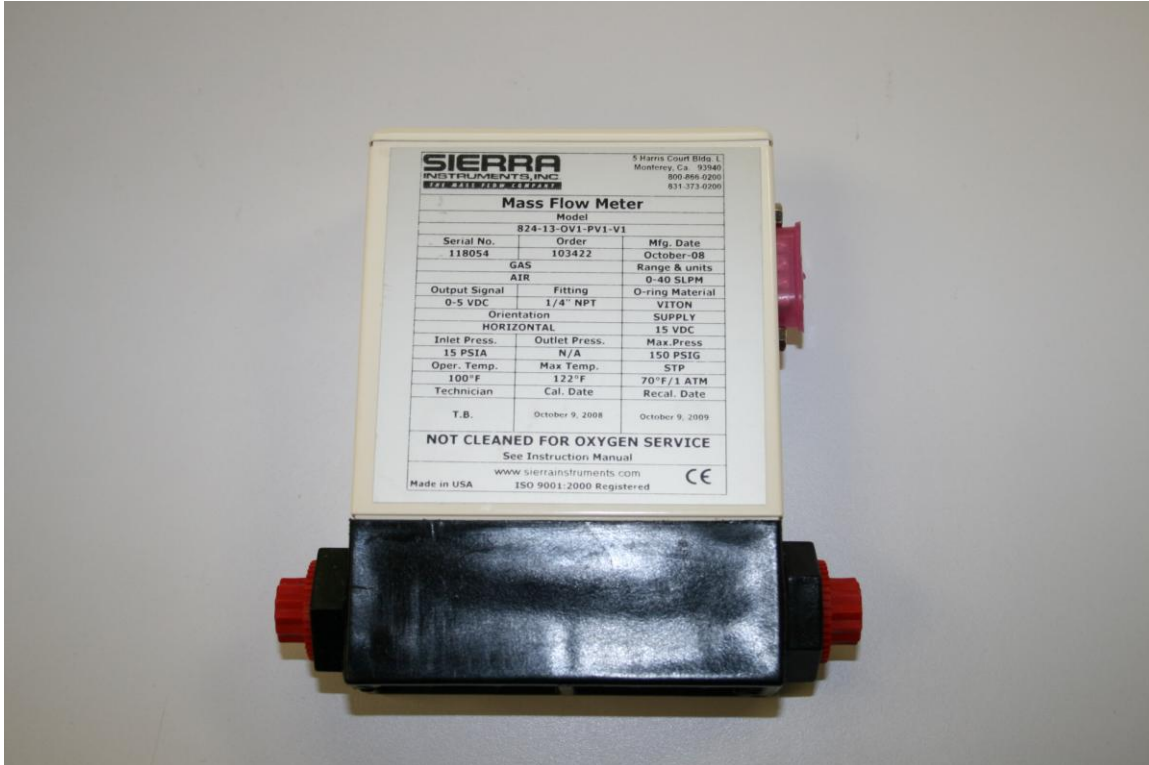


Humidity Generation and Calibration Equipment

THUNDER SCIENTIFIC
CORPORATION THE HUMIDITY SOURCE

Model 2500

Flow Meter Removal Procedure



Tech Support Document TSD-0202
Revision Date: October 20, 2009

623 WYOMING BLVD. SE



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2500 Flow meter removal procedure

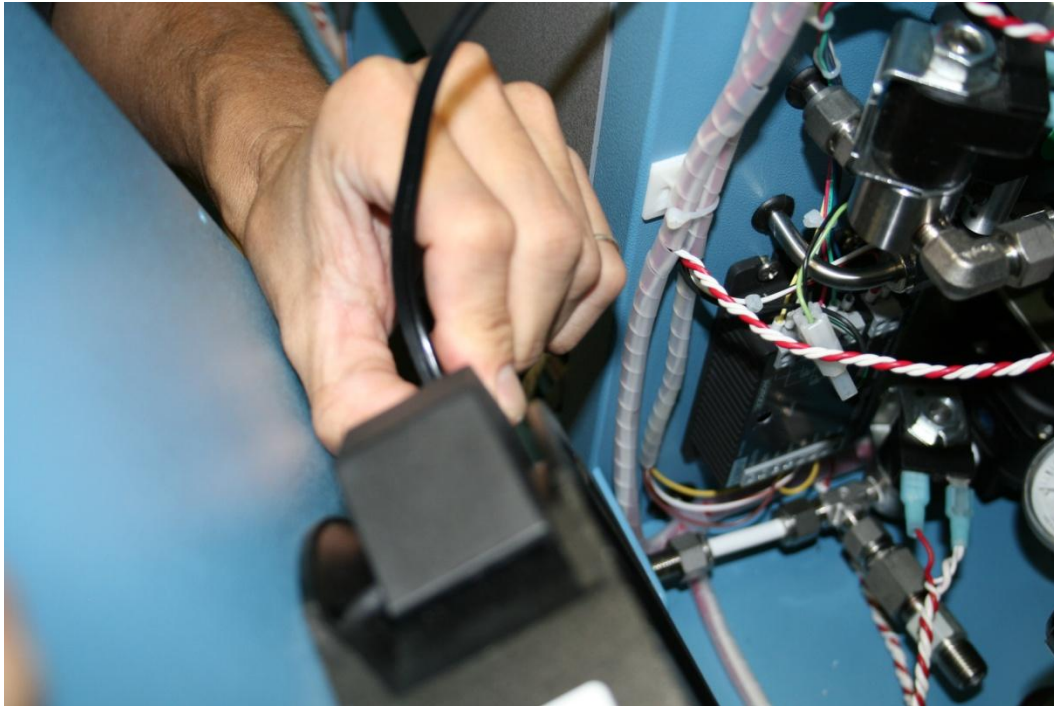
1. Disconnect the main power cable on the rear panel as well as the air in elbow.



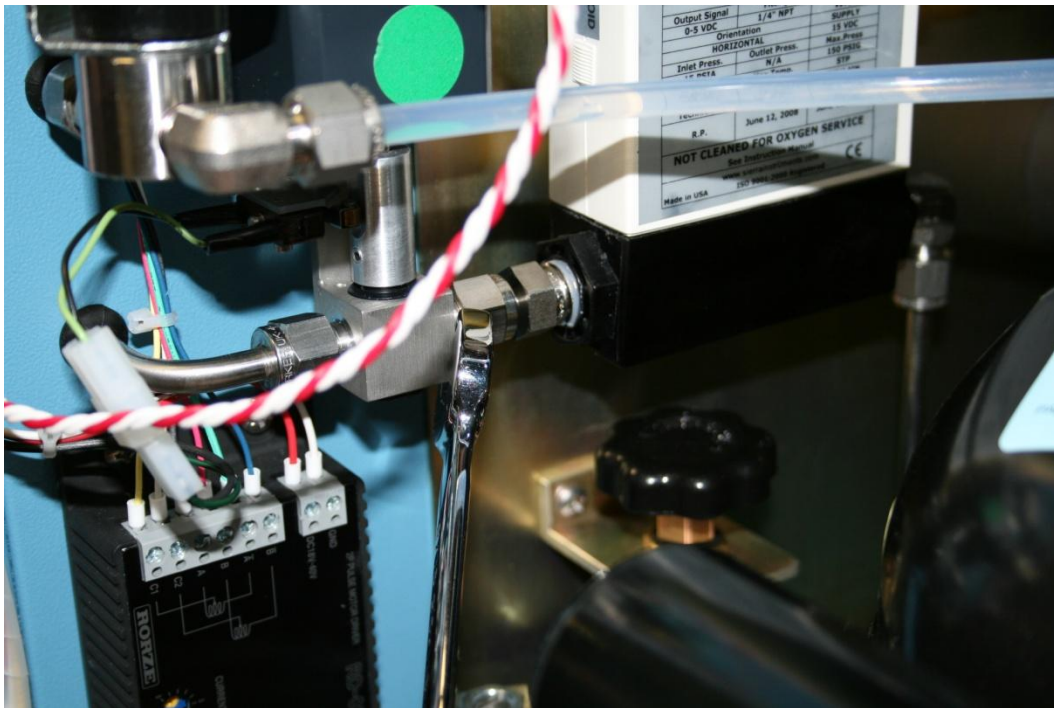
2. Remove the rear panel screws using the Torx drive provided.



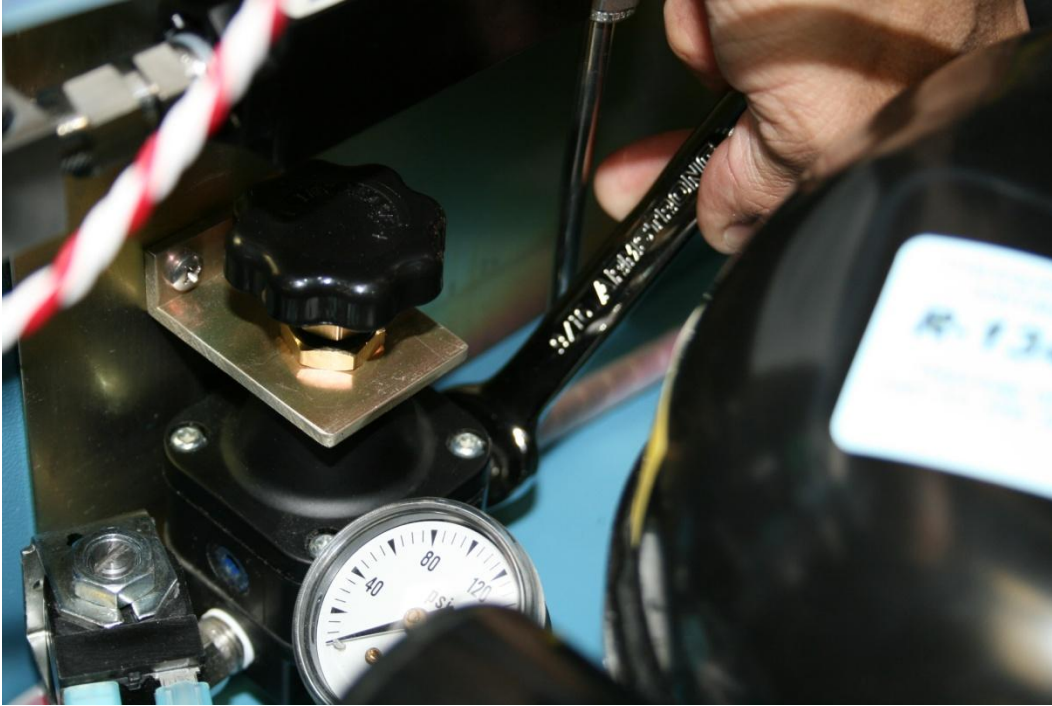
3. Hold the rear panel upright and remove fan power cord.



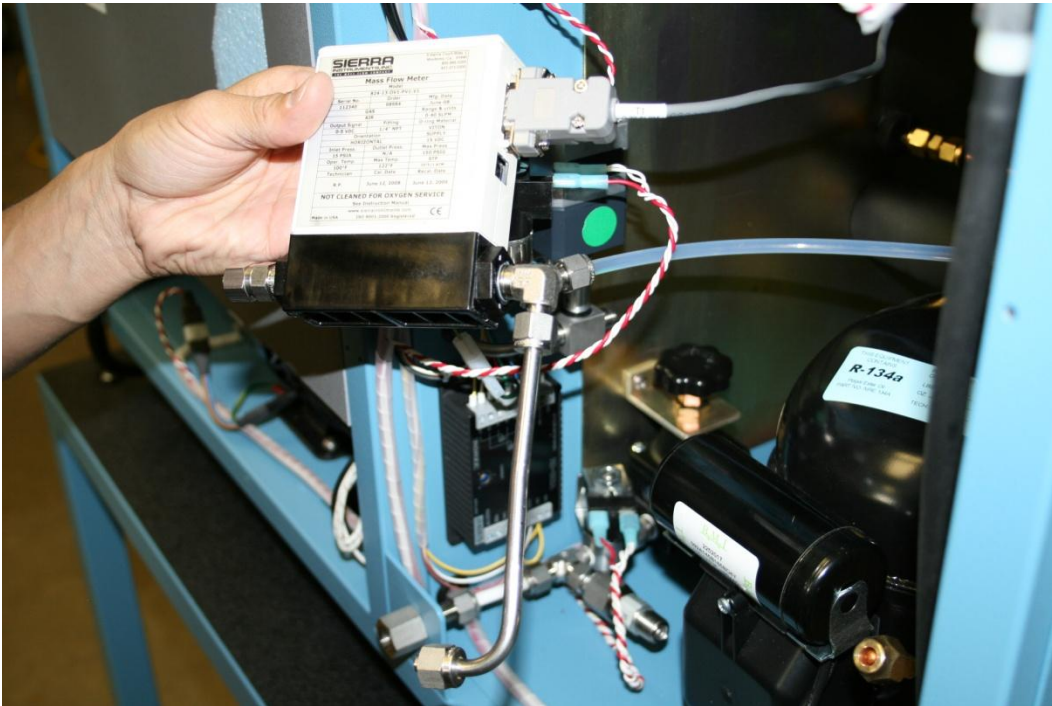
4. Locate the air out end of the flow meter and use a 9/16 wrench to loosen the nut.



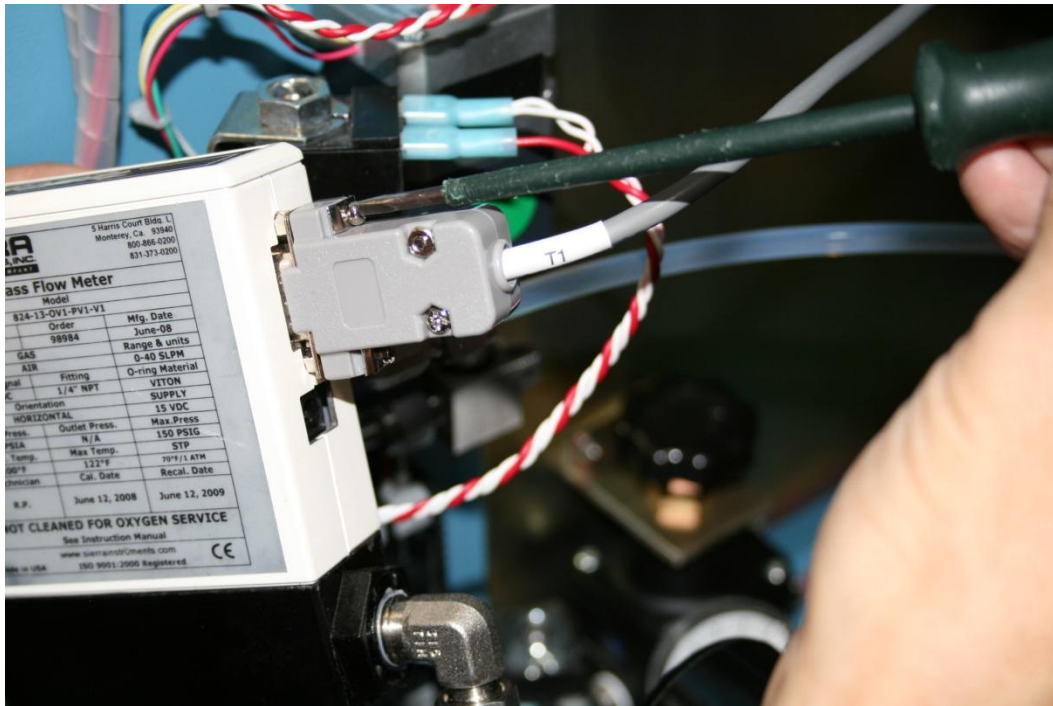
5. Find the nut at the base of the pressure regulator and use the same 9/16 wrench to loosen it.



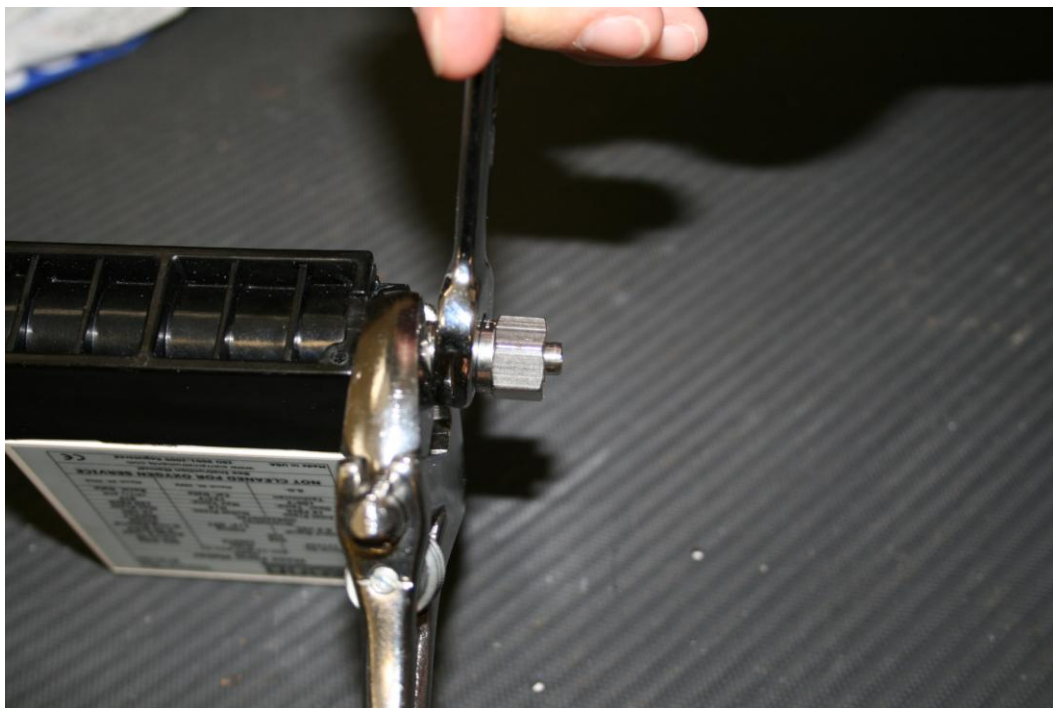
6. Slowly maneuver the flow meter assembly out.



- Next remove the two screws of the data cable using a small flat head screwdriver.



- Use an adjustable wrench and a 9/16 wrench and remove the air out stainless steel fitting.



9. Remove the air in stainless steel tube fitting, holding the plastic fitting with the adjustable wrench and with a 9/16 wrench ease out the tube fitting.



10. Take the new flow meter and remove the red caps.



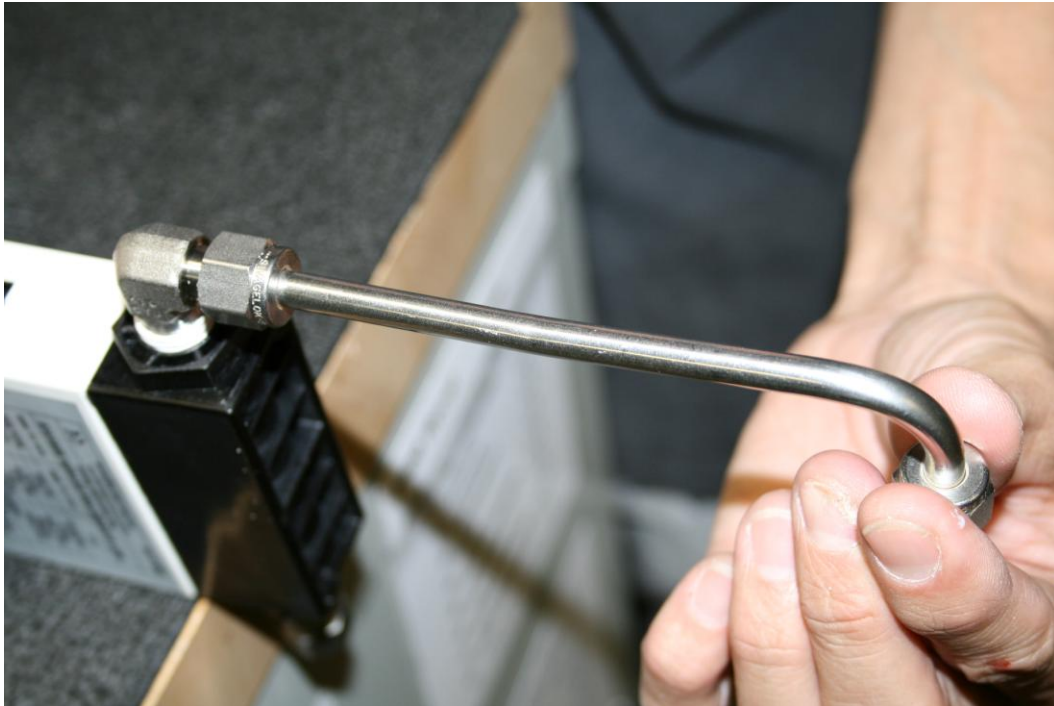
11. Remove the old Teflon tape from the stainless steel fittings and reapply Teflon tape to both fittings.



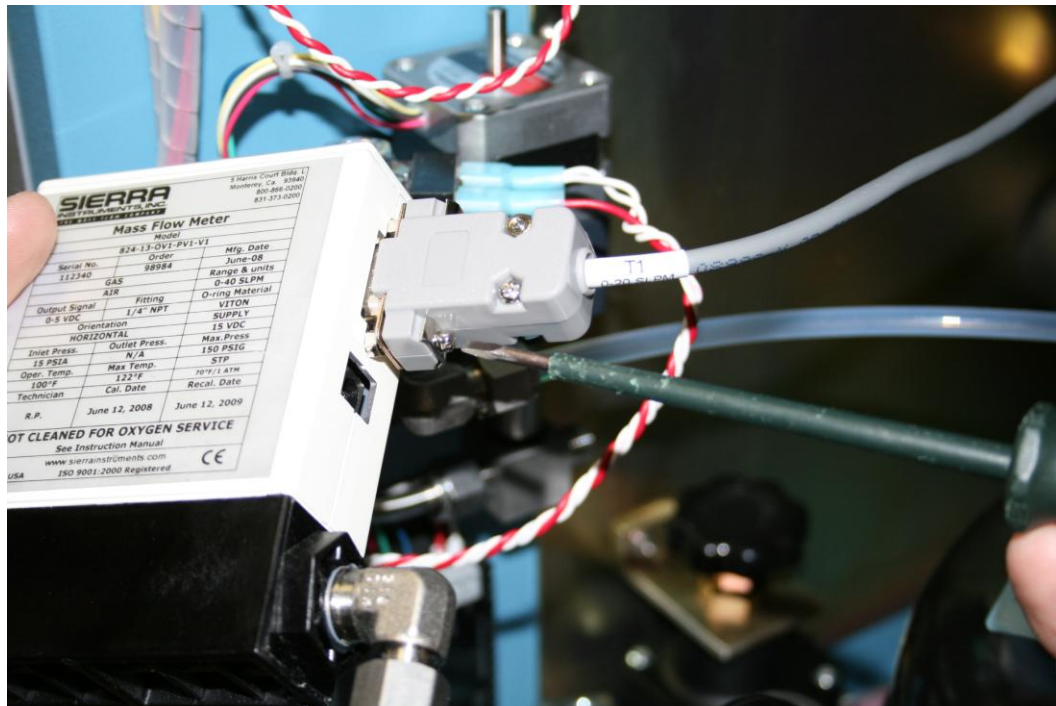
12. Insert the stainless steel air in and air out fittings into the plastic fittings and make sure not to over tighten them. Leave about three to four threads showing.



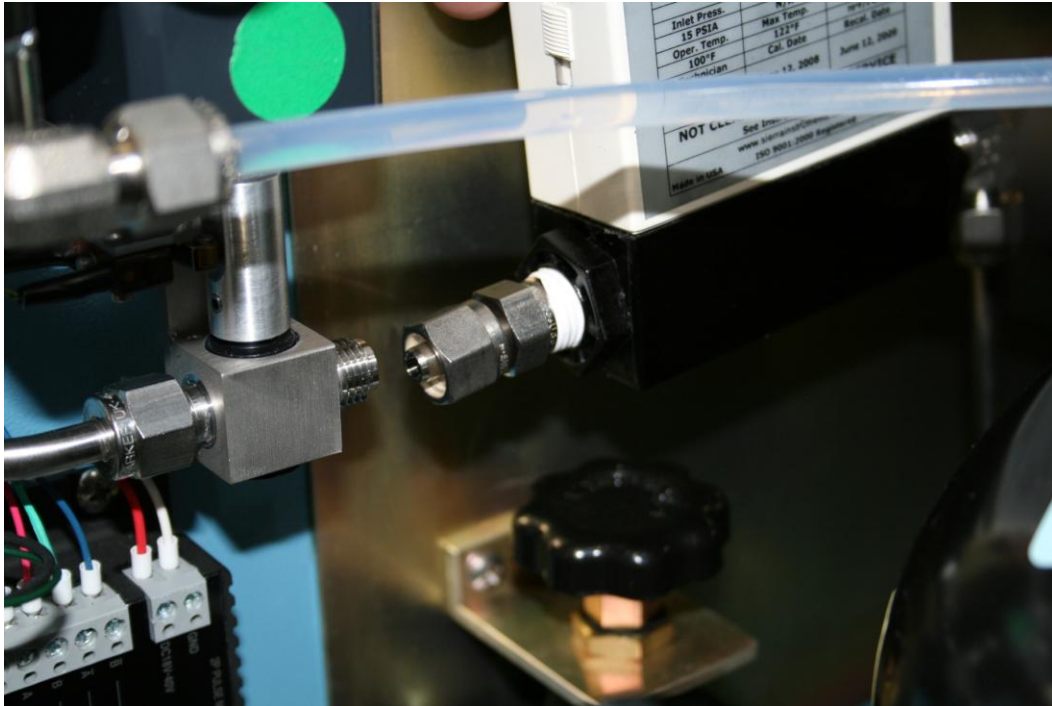
13. Make sure that the air in tube is parallel to the body of the flow meter.



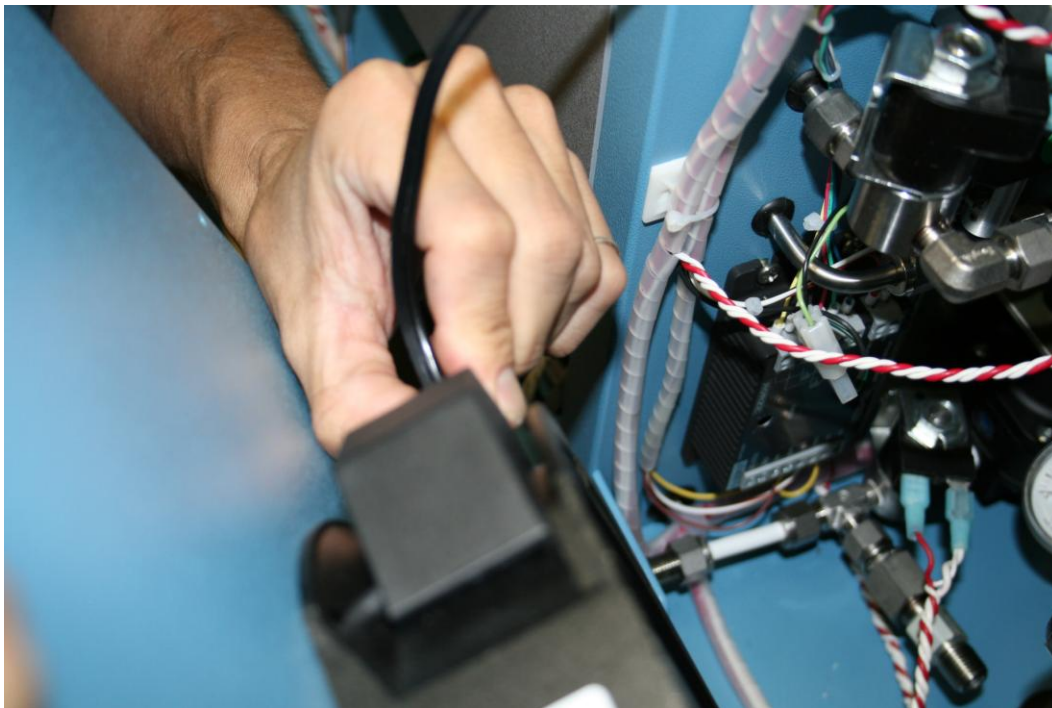
14. Insert the two screws of the data cable using a small flat head screwdriver.



15. Insert the flow meter assembly carefully into place and tighten stainless steel fittings.



16. Replace the power cord to the fan on the rear panel and insert the panel.



17. Insert the power plug and air in elbow.



Please Call 1-800-872-7728, Fax 1-505-266-6203, or E-mail support@thunderscientific.com should you have any questions.