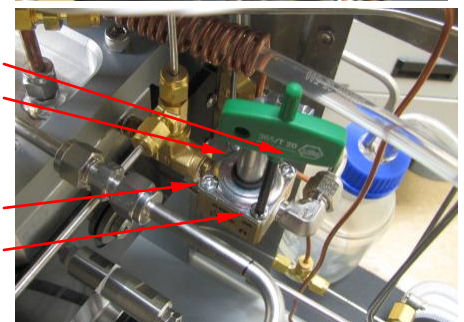
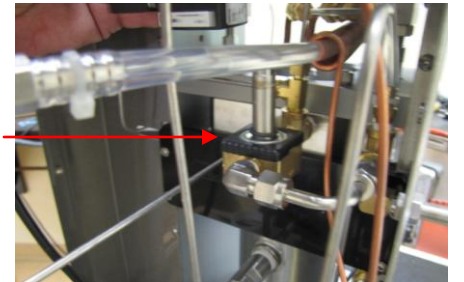
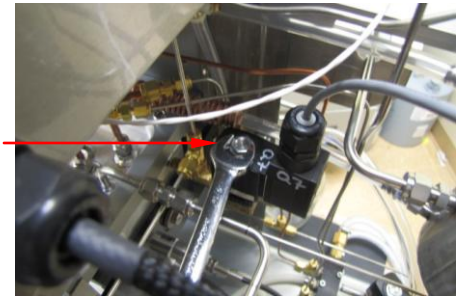


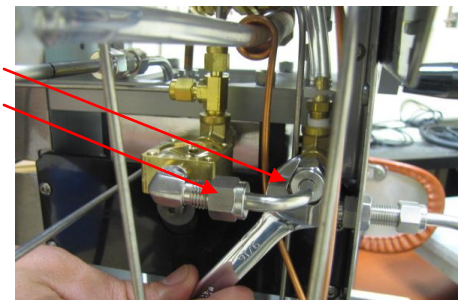
This Service Procedure helps facilitate the replacement of the Q7 Valve in an ANKOM^{XT15} Fat Analyzer .

1. Remove the Valve Stem.

- a. Remove the nut on the top of the Q7 Valve.
- b. Remove the black plastic Valve base cover.
- c. Remove the four screws holding the valve stem using a T20 Torx screw driver. Then remove the Valve Stem.



2. Loosen the two compression nuts on the 1/4" stainless tube coming off of the Q7 valve base.

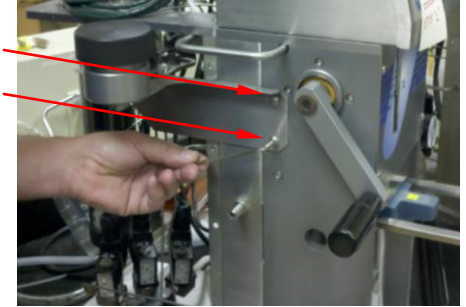


3. Remove the Fill Cup assembly and bracket.

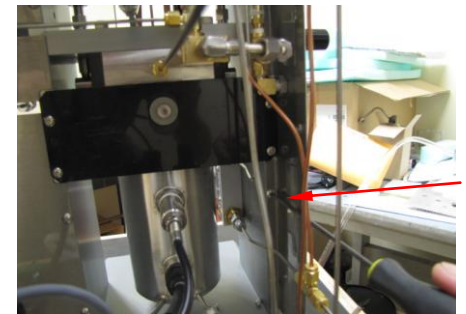
- a. Loosen the compression nut on the Fill Cup assembly.



- b. Remove the two screws on the bracket holding the Fill Cup assembly.
- c. Remove the Fill Cup assembly and bracket and set aside.

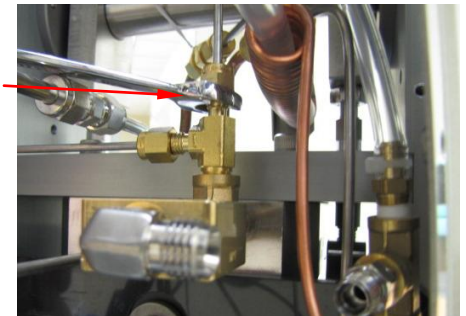


- 4. Remove the four screws on the inside edge of the side panel. This will release the side panel from the frame.**



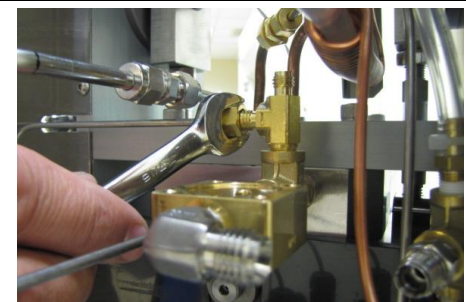
- 5. Remove the 1/8" tube between Q5 and Q7.**

- a. Loosen the compression nut on the 1/8" tube going from the Q5 Valve to the Q7 Valve.
- b. Loosen the compression nut on the 1/8" tube going from the Q7 Valve to the Q5 Valve.
- c. Remove the tube and set aside.



- 6. Prepare the Q7 Valve for removal.**

- a. Loosen the compression nut on the 1/8" tube going from Q7 to the Safety Valve.

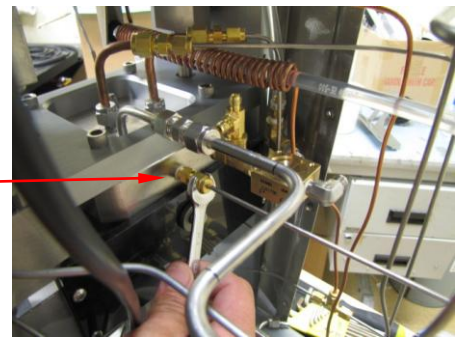
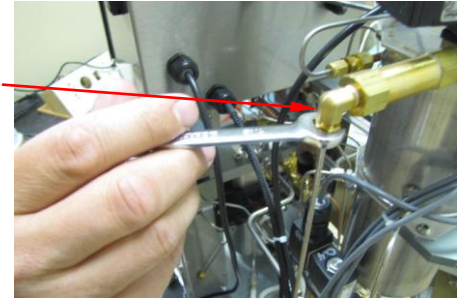


- b. Loosen the compression nut on the 1/8" tube going from the bottom of the Safety Valve to the Q7 Valve.
- c. The tube will now swing out of the way of the Q7 valve to facilitate its removal in step 8.

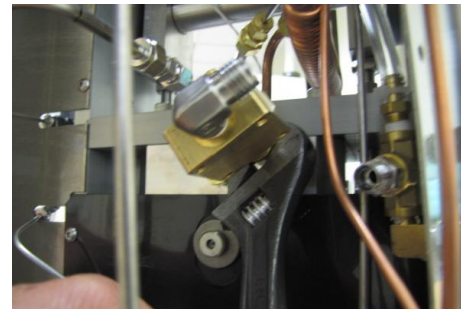


7. Remove the 1/8" tube between Q6 and the Spacer Plate

- a. Loosen the compression nut on the 1/8" tube going from the Q6 Valve/Filter to the back of the Spacer Plate.
- b. Loosen the compression nut on the 1/8" tube going from the Spacer Plate to the Q6 Valve/Filter.
- c. Remove the tube and set aside.



8. Unscrew the Q7 Valve base and fittings. Use a wrench on the T-fitting as shown.

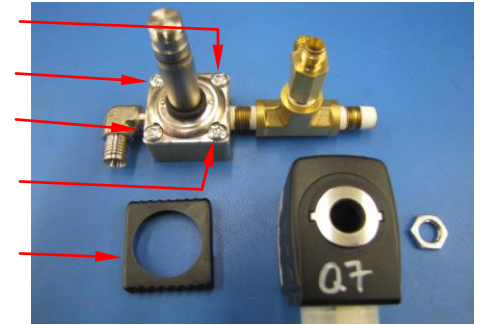


9. Prepare the new Q7 Valve.

- a. Take the new Q7 Valve and remove the nut on the top of the valve.
- b. Remove the black valve solenoid housing.



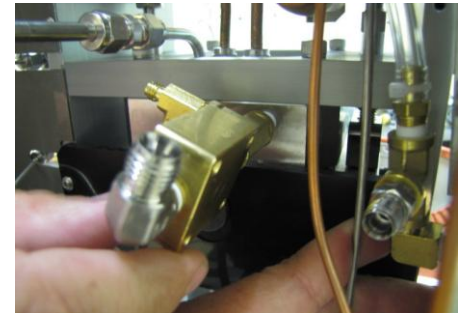
- c. Remove the square black valve base cover and the four screws with a T20 Torx screwdriver.



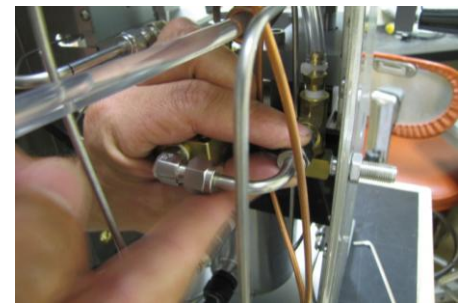
10 Install the new Q7 Valve base.

- Tighten the Q7 Valve base by hand.
- Then tighten the valve using a wrench on the T-fitting as shown in step 8.

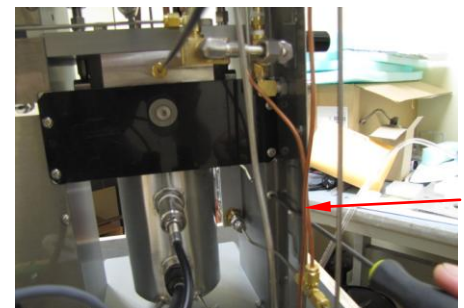
Note: Tighten to the point that the valve base is horizontal allowing for proper alignment of the various tubing.



11 Replace the small 1/4" tube going from the Q7 Valve to the Vent Valve. Finger tighten only, initially.



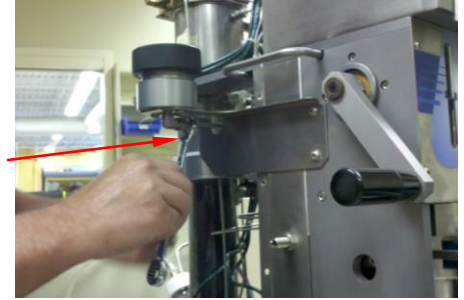
12 Secure the side panel with the four screws that were removed in step 4.



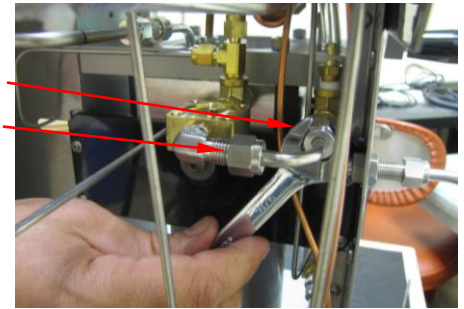
13 Replace the two screws to secure the Fill Cup Assembly bracket to the frame.



14 Tighten the compression nut connecting the fill tube to the Fill Cup assembly.

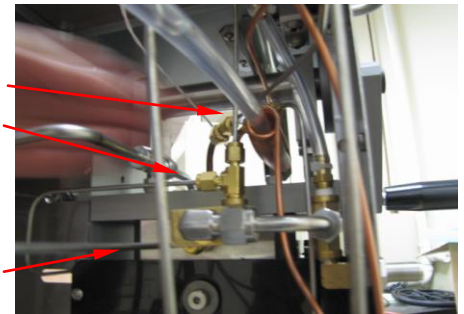


15 Tighten the two compression nuts on the 1/4" tube going from the Q7 Valve to the Vent Valve.



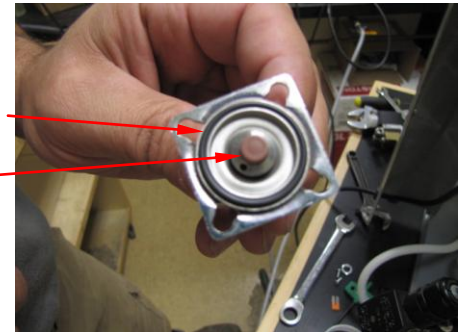
16 Replace the three 1/8" tubes previously removed.

- a. Replace the tube removed in step 5 (tube from Q5 to Q7). Tighten the compression nuts securely at each end of the tube.
- b. Replace the tube in step 6 (tube from Q7 to the Safety Valve). Tighten the compression nuts securely at each end of the tube.
- c. Replace the tube in step 7 (tube from Q6 Valve/Filter to the Spacer Plate). Tighten the compression nuts securely at each end of the tube.



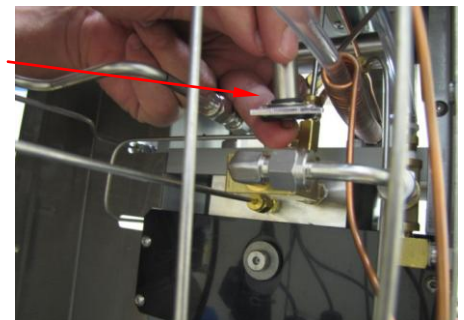
17 Obtain and inspect the new Q7 Valve Stem removed in step 9.

- a. Verify the O-ring is in place.
- b. Verify the brown plunger is in place.



18 Install the Q7 Valve.

- a. Replace the Q7 valve stem. Be sure to hold the spring-tensioned plunger in place while reinstalling the Valve Stem.



- b. Replace the four screws securing the valve stem with a T20 Torx screwdriver.
- c. Replace the square black valve base cover.
- d. Replace the Q7 Valve solenoid housing.
- e. Replace and secure the nut on top of the Q7 Valve.

