

**AT +
U 5000 / U 6000
Glass Removal
Procedure**

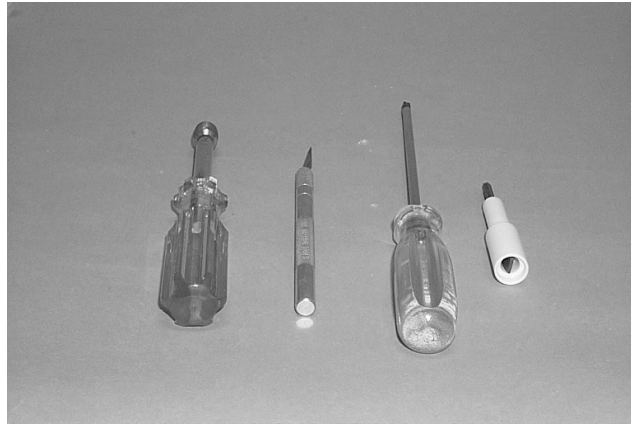


Figure 1

1. Tools needed are #1 Philips screwdriver minimum 6" blade, 11/32 nut driver, x-acto knife or razor blade and tool provided with unit. See Fig. 1



Figure 2

2. Loosen the two screws on back and remove top cover. See Fig. 2.

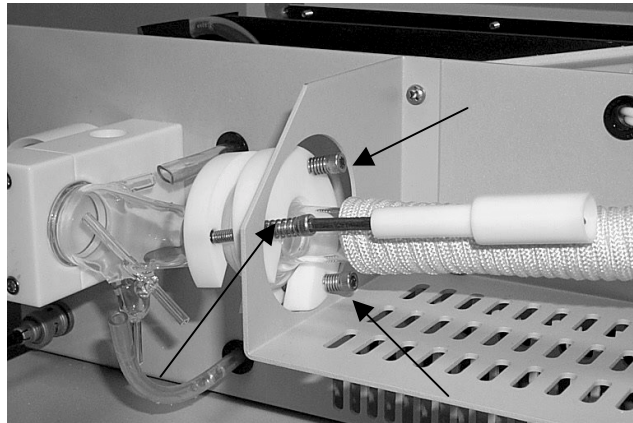


Figure 3

3. Using the tool provided with the unit, remove the three screws holding the two piece clamp. Be careful not to lose the springs. See Fig. 3
4. Remove the clamp. See Fig.4



Figure 4

5. Cut the two pieces of tubing from the Aerosol Chamber. See Fig.5



Figure 5

6. Remove the Sample Inlet Adapter by rotating it back and forth. Be careful! This glass is fragile and if broken it will need to be replaced. See Fig. 6

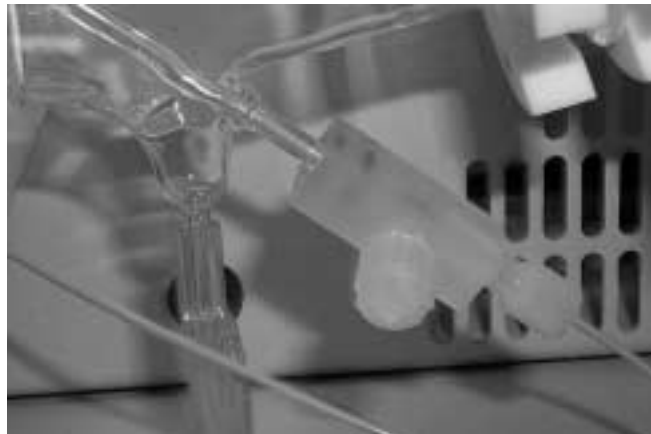


Figure 6

7. Remove the Transducer. See Fig. 7



Figure 7

8. Remove the two screws from the Aerosol Chamber Clamp. See Fig. 8.
Note: Hold clamp in place while removing screws or glass may drop and break.

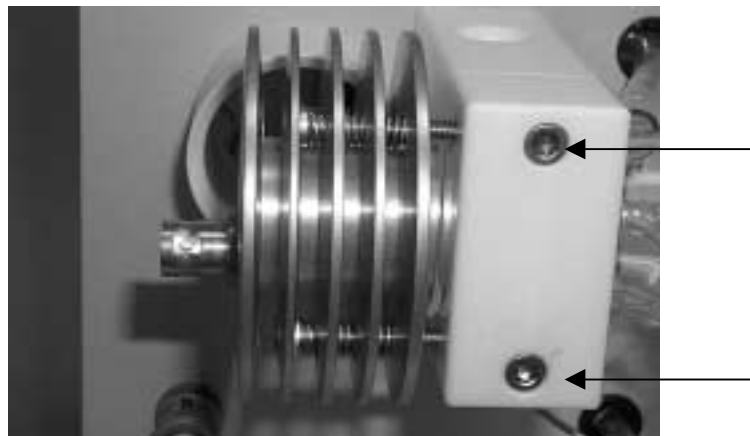


Figure 8



Aerosol Chamber with O-Ring

9. To remove the heated J-Tube Assembly remove the two screws holding the two piece clamp. See Fig. 9

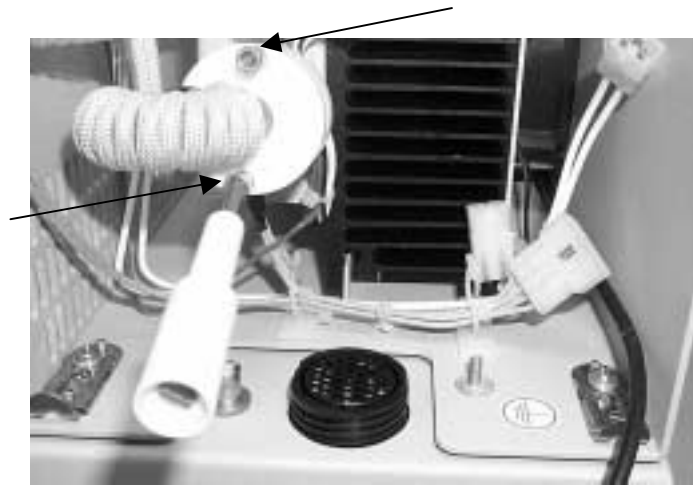


Figure 9

10. Remove the cover by removing the two nylon screws. See Fig. 10.
Cut tubing from bottom of J-Tube Assembly. See Fig. 11.

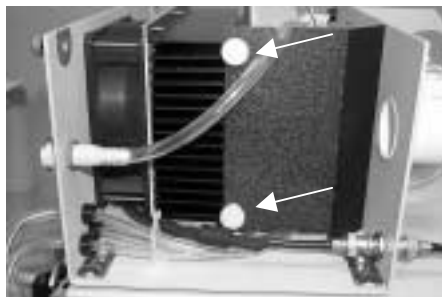


Figure 10

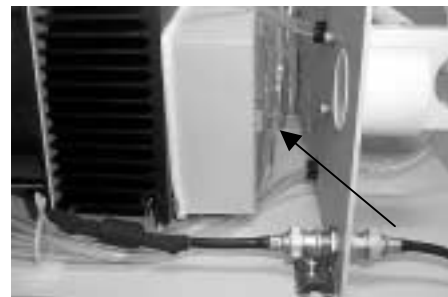


Figure 11

11. Disconnect all wiring including the ground wire. See Fig.12.

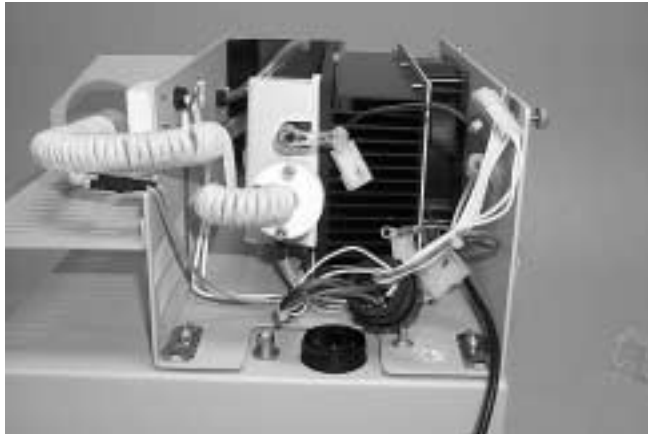


Figure 12

12. Note how the Heater cable is wound around and through the clamp. Remove the red rubber boot holding the thermocouple wire and pull the wire from the glass. See Fig. 13

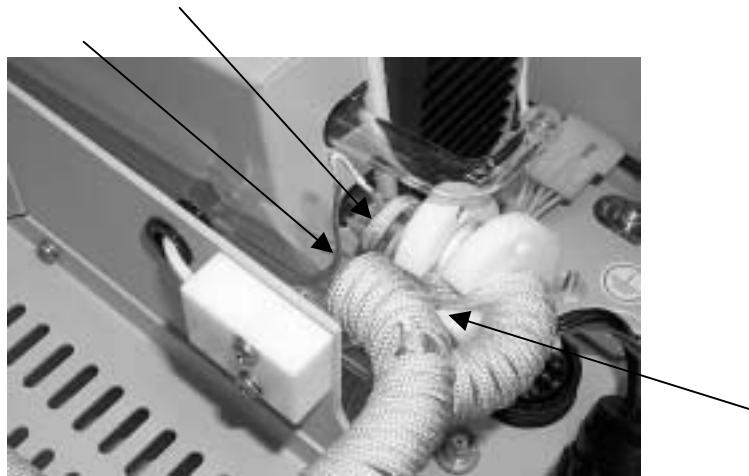


Figure 13

13. Carefully remove the J-Tube Assembly. Note: This glass is very fragile and the fitting for tubing is easy to break. See Fig. 14



Figure 14

Unit with J_Tube Assembly removed



J-Tube Assembly

14. Mark the position of the three screws holding the Condenser unit as shown in Fig 15 A. It is necessary to align the Condenser Assy. and this will save time.

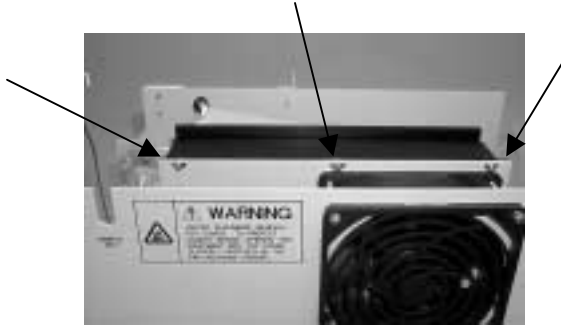


Figure 15



Figure 15 A

15. Disconnect the tubing from the pump. See Fig 16, and pull back into the cabinet. See Fig. 17.



Figure 16



Figure 17

16. Remove the outside screws first and then while holding the Condenser unit remove the middle screw. See Fig. 18. Note: Do not let the Condenser unit fall inside unit.



Figure 18

17. Carefully remove the Condenser unit from the chassis. See Fig's 19 & 20



Figure 19



Figure 20

18. Reverse the procedure to reinstall the glass. Some things to be aware of are the tightness of the screws on the two piece clamps and the Transducer. The Transducer mounting screws should

ONLY be tightened to the first fin on the Transducer. See Fig. 21.
The two piece clamps should be tightened until flush with the back of the clamp. See Fig. 22.

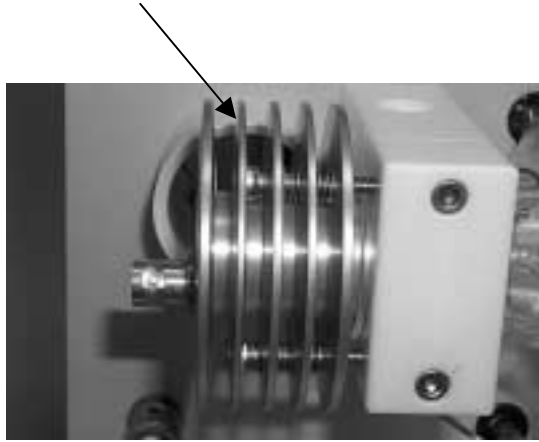


Figure 21

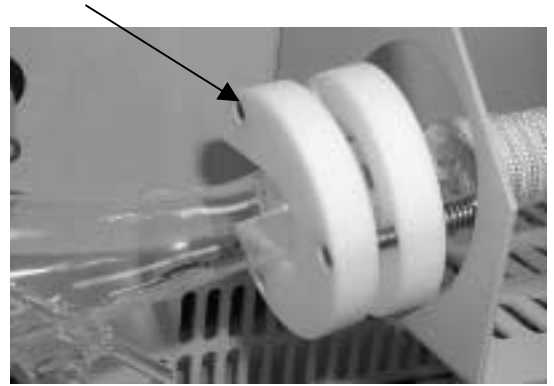


Figure 22

19. The tubing replacement kit is SP5433 and includes all the internal tubing needed.
20. If the O-Rings are damaged they will leak if not replaced. The replacement kit is SP5126.
21. A drain pump tubing kit is SP5366 and includes the fittings.
22. The two piece Ball Clamp kit is SP5120 and includes both clamp sets with screws.