

General:

The Vacuum Pump should be replaced every 1-2 years.

Equipment and Materials

- Replacement Vacuum Pump
- #1 Phillips Screwdriver
- 11/32" Nut Driver

Replacement Parts

- **URG-9000-20B**, Replacement Vacuum Pump for Ambient Ion Monitor with EPDM Diaphragms and Valves

Instructions:

1. With your fingers, unscrew the (3) knobs counterclockwise to unlock and open the back door. Remove the door by lifting the door off and away from the case.



2. Disconnect the internal exhaust tube fitting.



3. Disconnect the top fitting on snubber.



4. Disconnect the snubber from the mounting bracket.



5. Disconnect the pump power supply.



- Using 11/32" nut driver, loosen and remove the pump mounting plate from the shock mount.
- Lift the pump straight up and out to remove the exhaust tube.



- Disconnect all exhaust assembly fittings and remove the mounting bracket.

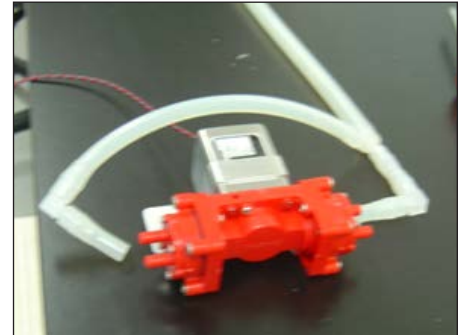


- Slide the new pump in the bracket until the top of the bracket is level with the top of the label on the pump. Secure in place with screws.



10. Attach the lower exhaust assembly to the lower fittings labeled "out."

NOTE Make sure the exhaust assembly clears the pump body as shown.



11. Attach upper exhaust assembly to upper fittings labeled "in."
12. Thread the exhaust assembly behind snubber bracket.
13. Using a 11/32" nut driver, secure the two screws holding the pump mounting plate to the shock mount.
14. Replace the snubber in the mounting bracket.
15. Reconnect the top fitting on the snubber.
16. Reconnect the internal exhaust tube fitting.
17. Reconnect the pump power supply.
18. Replace the door.

