

PARTS INCLUDED

- Shurflo Purge Pump assembly
- Screws (qty 2)
- Lock nuts (qty 2)

TOOLS REQUIRED

- Screwdrivers, Phillips and flat head
- Wire cutters
- Wire stripper
- 3/8" wrench

INSTRUCTIONS

1. Purge the suction canister before starting.
2. Turn OFF all power to the cart.
3. Disconnect the waste hose from the connection on the back of the cart.
4. Open the back panel using a flat head screwdriver on the two cam latches.
5. Disconnect the black purge hose from the purge port on the back of the chassis and the suction canister.

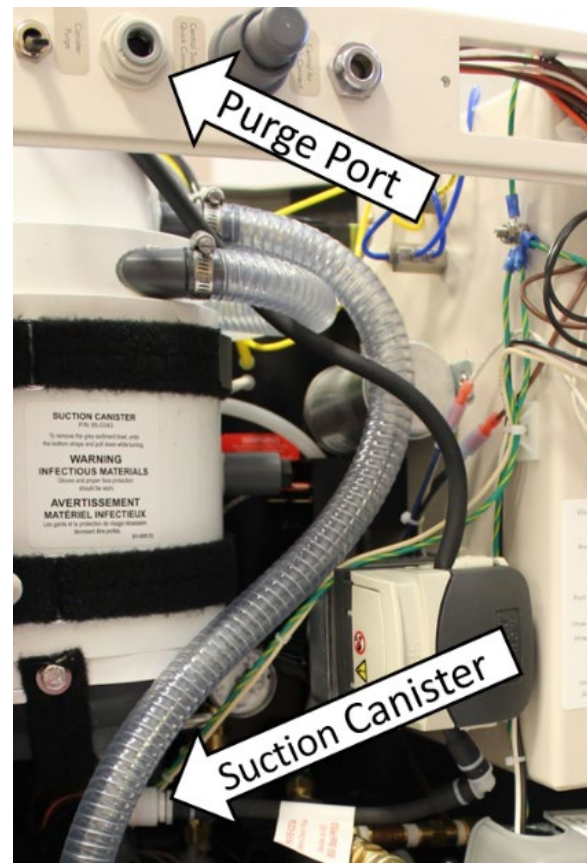


Fig. 1
Disconnecting the internal purge hose

6. On the terminal strip on the back inside of the chassis, remove the white purge pump wire.

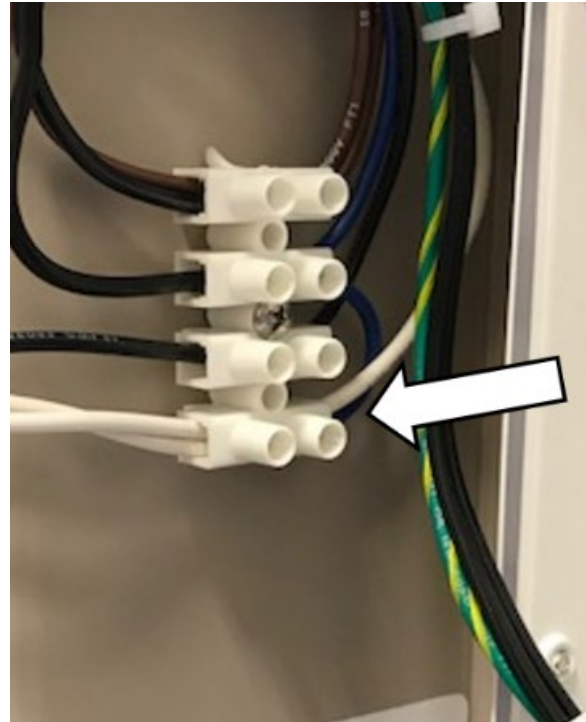


Fig. 2
Disconnecting purge pump wiring

7. Locate the blue and black wire from the purge pump and disconnect the brown wire.
 - OPTIONAL – Cut off the connector on the brown wire and strip the insulation off the brown wire 1/4".



Fig. 3
Disconnecting purge pump wiring

8. Remove the peristaltic purge pump:

Open the water housing and remove the two water bottles, using a Phillips head #2 screwdriver remove the four screws securing the purge pump to the chassis.

NOTE: Hold onto the purge pump when removing the screws so it does not fall.



Fig. 4

Water housing with four screws securing the purge pump

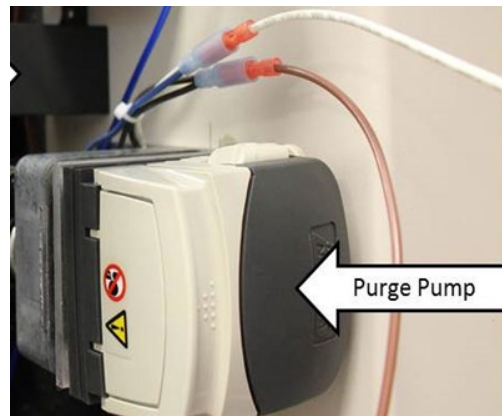


Fig. 5

Peristaltic Purge Pump

9. Install the new purge pump:

Run the two screws that came with the kit through the top two holes in the water housing.

While holding the screws in place slide the purge pump over the two screws, this will be a tight fit.

Secure the pump and screws using the provided lock nuts.



Fig. 6
Shurflo purge pump

10. Take the white wire from the purge pump and route it to the terminal strip on the back right of the cart. Install the white wire into the terminal strip in the same spot the previous white wire was removed, from step 6.

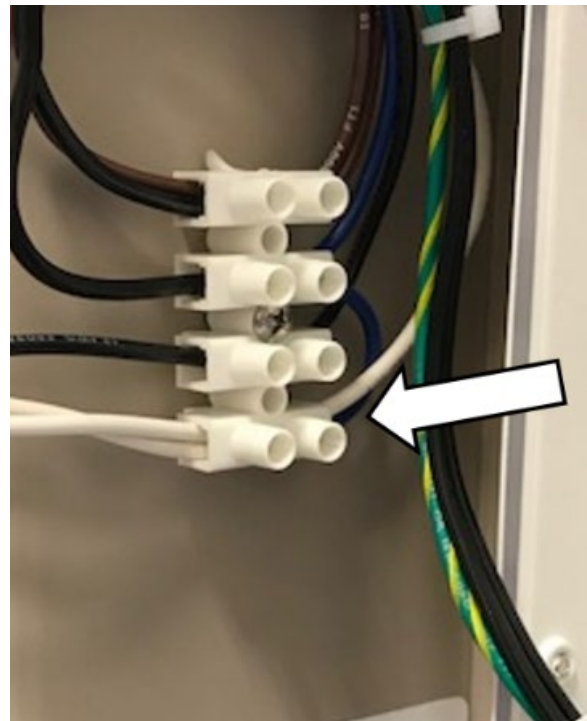


Fig. 7
Connecting the new purge pump to the terminal strip

11. Connect the brown wire, that was connected to the old purge pump, and connect to the black wire on the new purge pump using the provided connector.



Fig. 8
Purge pump wiring

12. Connect the black hose from the purge pump to the suction canister and the purge port.



Fig. 9
Connecting black purge hose to suction canister

13. Verify the system is liquid tight.
14. Re-install the external waste hose, remove the plug from the end cap and place the end of the hose in a sink or other disposal area.
15. Turn the cart and the vacuum ON.
16. Use the suction handpiece to fill the suction canister with water.
17. Turn on the purge pump and check for leaking.
18. Close and lock the back panel.

WARNINGS/CAUTIONS



WARNING! Only qualified personnel should service or repair this device. This device should only be serviced/repared by a qualified service technician who is proficient in the repair of electromechanical dental equipment and who understands the complexities and risks of working within the device and observes proper safety precautions.



WARNING – Electrical Voltage. This system is powered by high voltage electricity. Like any other electrically powered device, if it is not used properly, it can cause electrical shock. Always plug the power cord into an electrical outlet with adequate fuse protection and proper grounding. In the event of a short circuit, grounding reduces the risk of shock by providing an escape wire for the electric current. Improper grounding of the unit can result in a risk of electric shock. Always unplug the unit before doing any service or repair to the unit.



WARNING – Presence of Heavy Metals/Amalgam. This cart may be equipped with optional suction instruments. As part of dental procedures, particles of amalgam may be suctioned into the dental suction handpieces and collected within the system and trap filter.



WARNING – Infectious Materials. Infectious disease workplace safety protocols to safeguard against cross contamination of infectious disease should always observed. When maintaining the suction system or emptying the contents of the suction waste container, safe precautions and practices including the wearing of face mask, eye protection and gloves are to be followed.