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Technical Guideline

Remove/Replace Suction Canister

TG-95-0343

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WARNINGS



WARNING! Only qualified personnel should service or repair this device. This device should only be serviced/ repaired 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 – Infectious Materials. Infectious disease workplace safety protocols to safeguard against cross contamination of infectious disease should always be 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.

PARTS INCLUDED

- Suction Canister

TOOLS REQUIRED

- Side cutters or scissors
- Flat head screwdriver

INSTRUCTIONS

1. Unplug power to unit.
2. Move suction tube and electrical cord out of the way of back panel. (Fig. 1)



Fig. 1



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3. Open back panel of unit using a flat head screwdriver. (Fig. 2)



Fig. 2

4. Using flat head screwdriver, loosen hose clamp screw where tubing attaches to suction connector on suction canister; then pull tubing off the connector. (Fig. 3)



Fig. 3



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5. Repeat Step 4 on the vacuum connector on canister. (Fig. 4)



Fig. 4

6. Locate purge pump connector. There will be a small plastic ring on the inside of the connector that needs to be pressed in using a flat head screwdriver to disconnect. (Fig. 5)

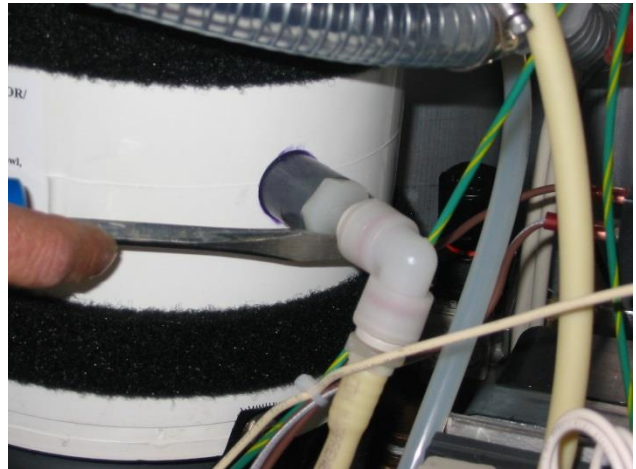


Fig. 5



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7. Loosen Velcro straps around the suction canister. (Fig. 6)



Fig. 6

8. Locate wires on top of canister and follow to find all of the zip ties that hold the wires together; clip the zip ties. (Fig. 7)

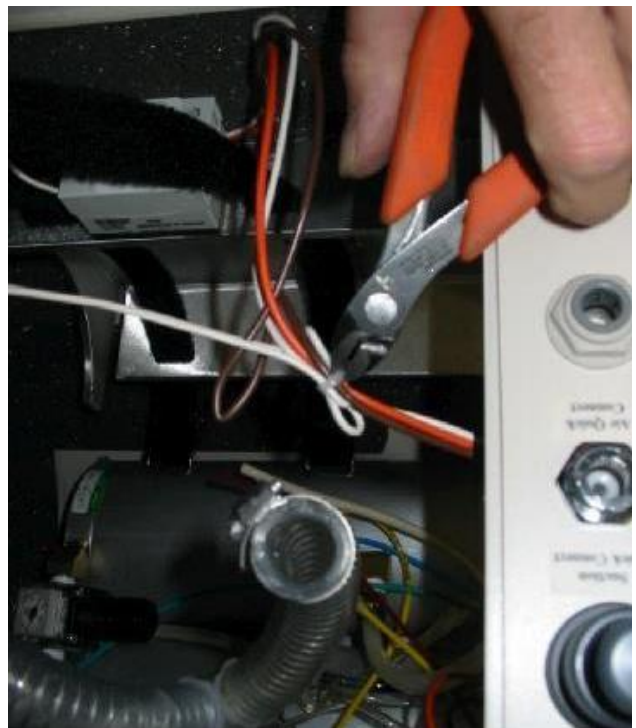


Fig. 7



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9. Locate white wire on the top of the canister and follow it to the relay. Using a flat head screwdriver, loosen the screw (location 3/A1) to release the wire. (Fig. 8)



Fig. 8

10. Locate other white wire on the top of the canister and follow it to the terminal block (location 6). Using a flat head screwdriver, loosen the screw to release wire. (Fig. 9)



Fig. 9



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11. Remove suction canister from cart. (Fig. 10)



Fig. 10

12. To install new canister, follow above instructions in reverse.

NOTE: When attaching white wire to relay, ensure that it is securely seated or the float switch may not function.

13. To verify correct installation, suction one pint of water. Purge canister to verify for the absence of leaks.