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Technical Guideline

Replacing Water Routing Toggle

TG-95-0143

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CONTENTS

Umbilical Units Steps 1 through 11
 Triton Self-Contained Units Begins with Step 12, on Page 5



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 – Compressed Air. The compressed air system that operates this unit is under pressure. Compressed air can propel dust or loose particles and can cause bodily injury or damage. Always turn the system off and bleed off air pressure before attaching or removing air lines or accessories or servicing this unit. All air lines should be periodically inspected and replaced if worn or damaged. If an outside compressed air supply is used to power this unit, the air supply must be regulated to 80 psi or below. Excessive air pressure could cause certain components to rupture.



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.

PARTS INCLUDED

- One (1) toggle valve

TOOLS REQUIRED

- Phillips head screwdriver
- 9/16" socket or wrench
- Side cutters or scissors
- Flat head screwdriver

INSTRUCTIONS

1. Turn off main power and air supply to bottle housings.
2. Unscrew a bottle slightly to relieve compressed air in system.
3. Remove existing bottles from bracket.



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4. Locate routing toggle on top of closed water system bracket. (Fig. 1)



Fig. 1

5. Locate two Phillips head screws on back of existing bracket and loosen with a Phillips head screwdriver. (Fig. 2)

NOTE: Do not completely remove the mounting screws.

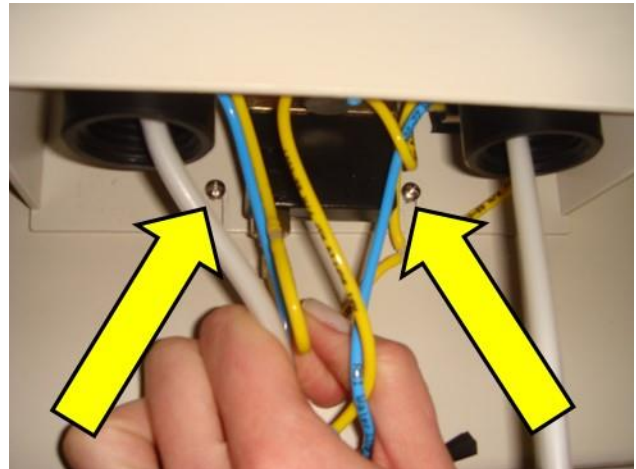


Fig. 2

6. Lift bracket up and off of screws.

7. Using 9/16" socket or wrench, unscrew the nut holding existing valve in place and pull the valve down so it will be easier to access the tubing. (Fig. 3)

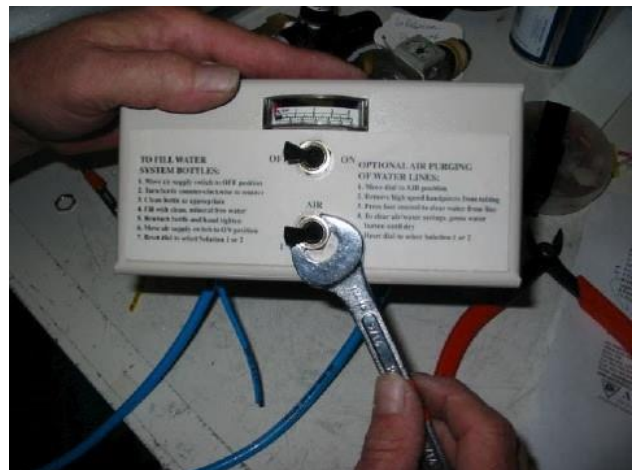


Fig. 3



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8. Locate blue waterline tubing on sides of existing valve and clip, noting the locations of each tubing. Clip as close to barbs as possible. (Fig. 4)



Fig. 4

9. Reattach tubing to new valve in same order as it was removed as follows (Fig. 5):
 - The top side barb connects to Bottle #1.
 - The bottom side barb is the water output to the dental unit.
 - The barb on the very bottom of the valve connects to Bottle #2.

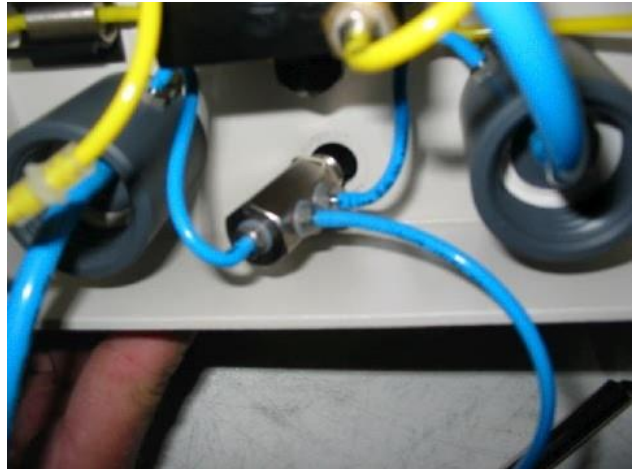


Fig. 5



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10. Place the valve back through hole in the bracket and tighten nut. (Fig. 6)

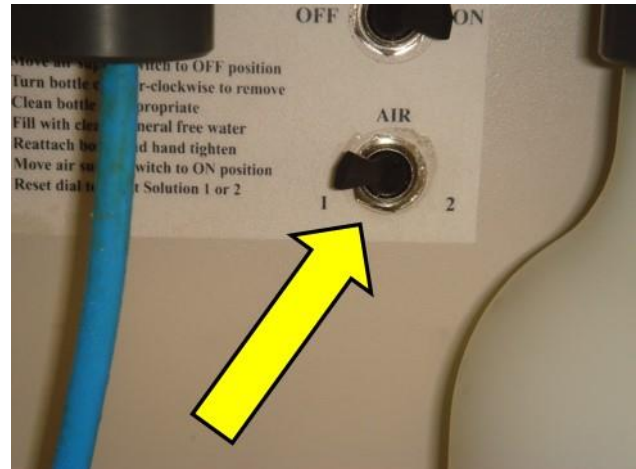


Fig. 6

11. Restore power to unit. Verify proper installation by testing water flow from Bottle #1 and Bottle #2 by flipping the valve back and forth while running the water button on the air/water syringe.



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INSTRUCTIONS FOR REPLACING WATER ROUTING TOGGLE (TRITON SELF-CONTAINED)

12. Turn off main power and air supply to bottle housing.
13. Unscrew a bottle slightly to relieve compressed air in system.
14. Open side door housing to the closed water system and remove the water bottles. (Fig. 7)



Fig. 7

15. Open back of the system using a flat head screwdriver. Then locate the backside of the routing valve. (Fig. 8)

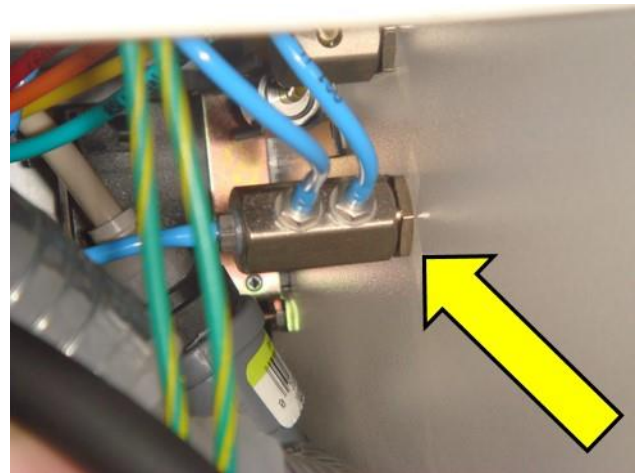


Fig. 8



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16. While holding the backside of the valve, use a 9/16" wrench to remove the locking nut while holding the routing valve in place. (Fig. 9) Pull the valve out from the inside of the cart.

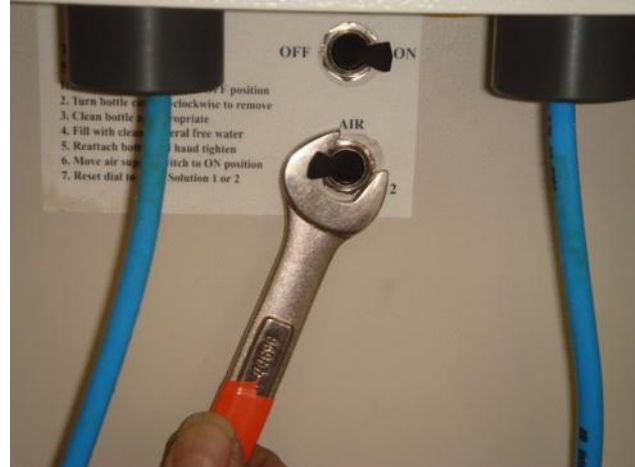


Fig. 9

17. Continue by following Steps 9 through 12 above.