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Technical Guideline

Replacing Water Bottles, 28mm
(for units manufactured before 07/01/2011)

TG-95-0140

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PURPOSE

This technical guideline shows the user how to replace the Water Bottle (28mm diameter mouth), for delivery units that were manufactured before 07/01/2011 (or serial number up to 594559).



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 – 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.



CAUTION! The irrigation system may contain chemicals that are caustic or corrosive. Always verify with the operator of the system to determine which chemicals they are using within the system. Always follow workplace safety protocols when doing maintenance or service of the system including the wearing of face mask, eye protection and gloves for proper protection of exposed skin, breathing and eyes.

PARTS INCLUDED

- Water bottle
- Gasket

TOOLS REQUIRED

- Flat head screwdriver

INSTRUCTIONS

1. Turn off air supply to bottle housings.
 2. Slightly unscrew a bottle to relieve compressed air in system.
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3. Remove existing bottles from bracket. (Fig. 1)



Fig. 1

4. Look up inside of pressure head and locate the gaskets. (Fig. 2)

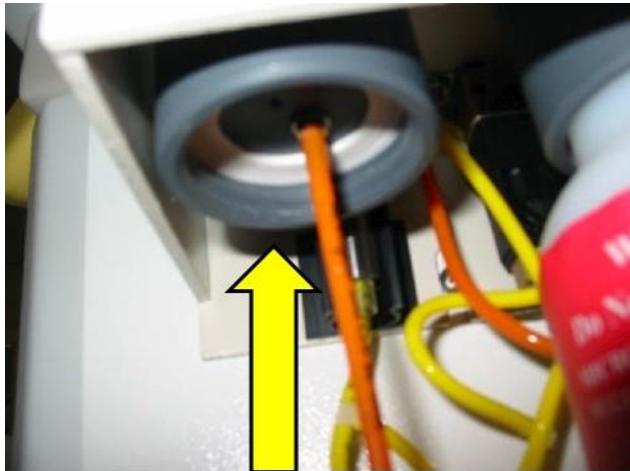


Fig. 2



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- Using a flathead screwdriver, remove the gasket from the pressure head. (Fig. 3)



Fig. 3

- Insert new gasket in the same place.

NOTE: Make sure the gasket is seated properly with no tears or wrinkles. You may need to walk the gasket around with your finger to seat into the groove. (Fig. 4)

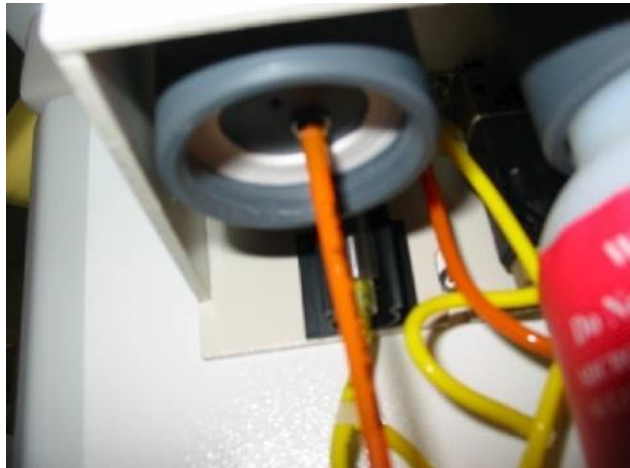


Fig. 4

- Fill bottles with water and rethread to pressure heads.
- Restore power to the unit and verify proper installation. For water systems, test 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. For Irrigation Systems, test solution flow by running irrigation instrument(s).