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Technical Guideline

Replacing Regulator Assembly, Inline Check Valve

TG-95-0223

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PURPOSE

This technical guideline provides instruction for replacing the regulator assembly, inline check valve.



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.



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

- One (1) Regulator Assembly, Inline Check Valve

TOOLS REQUIRED

- Side cutters or scissors
- Sleeve tool

INSTRUCTIONS

1. Turn off main power and air supply to unit.
2. Run air syringe to relieve compressed air in system.



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3. Remove existing bottles from bracket. (Fig. 1)



Fig. 1

4. Locate the regulator from the underside of the irrigation bracket held in place by a plastic clip. (Fig. 2)

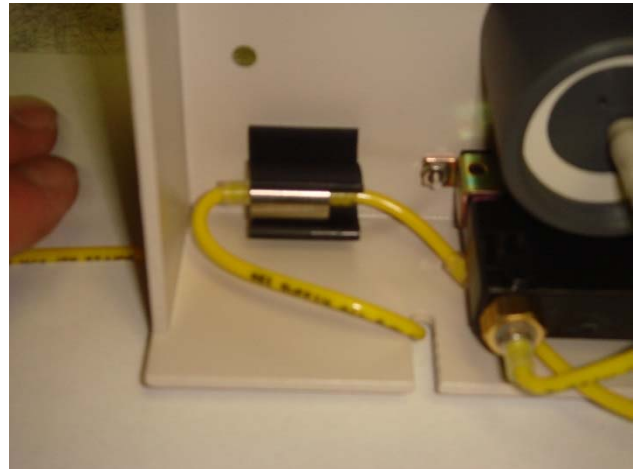


Fig. 2

5. Pull regulator out of plastic clip. (Fig. 3)

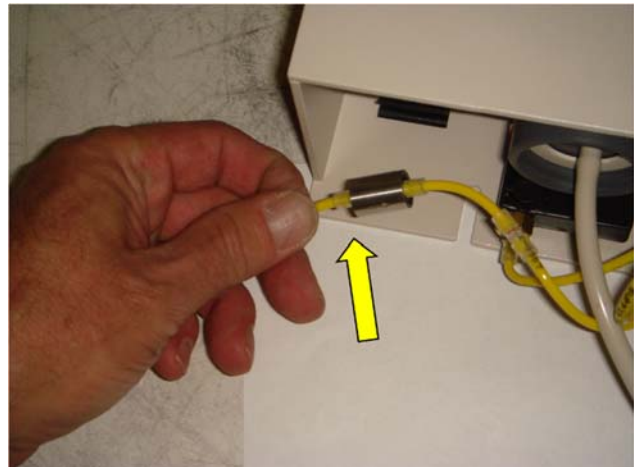


Fig. 3



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6. Clip yellow tubing on the input side of regulator and on the output side of the check valve using side cutters or scissors. (Fig. 4)



Fig. 4

7. Attach supplied assembly by sliding tubing sleeve over cut end of the yellow tubing; then insert onto the connector of the plastic check valve. (Fig. 5)

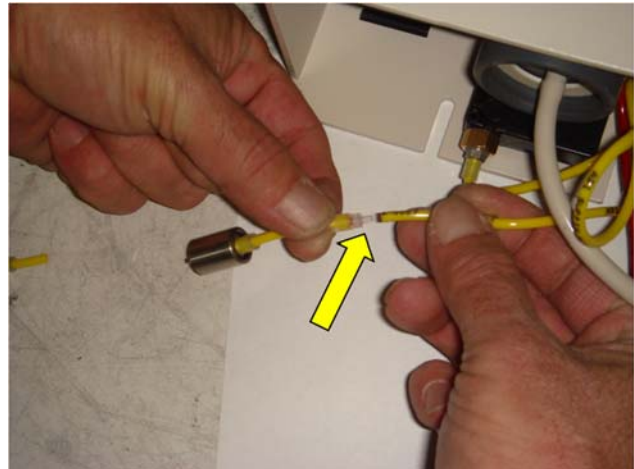


Fig. 5

8. Slide tubing sleeve over the barb using a sleeve tool. (Fig. 6)

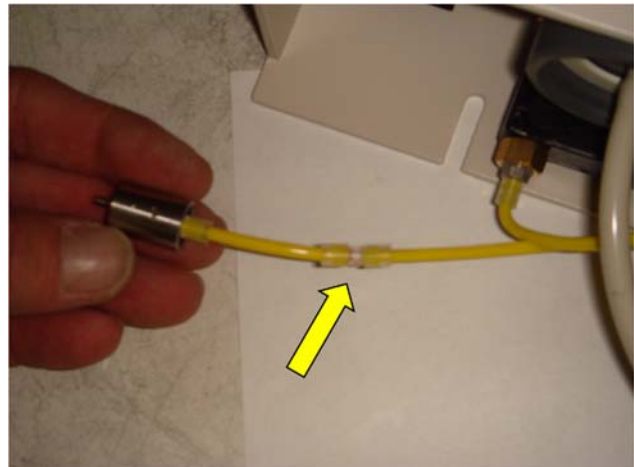


Fig. 6



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9. Place check valve assembly back into plastic clip.
(Fig 7)



Fig. 7

10. Re-attach bottles; restore power and air supply to unit. Test for proper function of bracket pressure and each irrigator for desired flow of solution.