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## Technical Guideline

### Replacing the Water Relay

TG-95-0135

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#### WARNINGS



**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.

#### PARTS INCLUDED

- One water relay assembly
- Three tubing sleeves
- Three tube connectors

#### TOOLS REQUIRED

- Wire cutters or scissors
- Sleeve tool

#### INSTRUCTIONS

1. Turn off main power and air supply to water bottle system.
2. Press and hold the air button on the air/water syringe to release all air pressure.
3. Open the cover to the delivery system according to your delivery system type and locate the water relay valve near the input side of the control block. (Fig. 1)

**NOTE:** Some older systems will have a relay that looks as shown in Fig. 2; please follow the same instructions for installing.



Fig. 1 Locate Water Relay

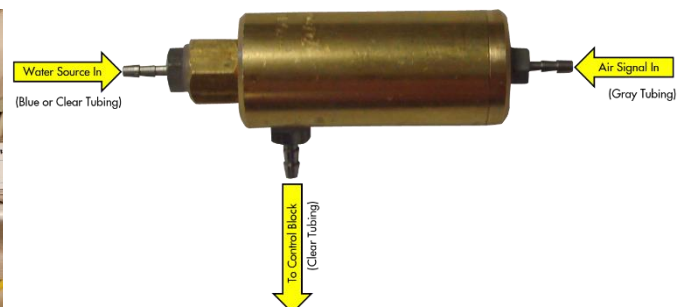


Fig. 2 Water Relay (95-0135/C)



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4. Cut existing zip tie. (Fig. 3)

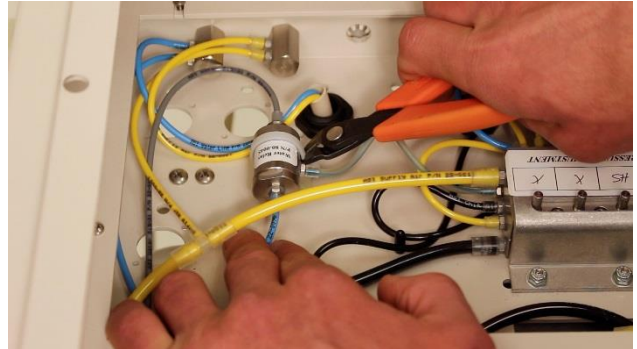


Fig. 3

5. Note the location of the blue water lines and the grey air signal line. Clip all the tubing close to the barbs. (Fig. 4)

**NOTE:** Clip excess tubing as needed.

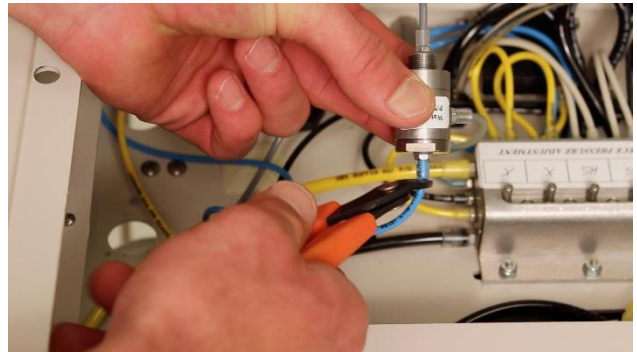


Fig. 4

6. Place sleeves over tubing, slide tubing fully onto new barbs, and secure sleeves with sleeve tool. (Fig. 5)



Fig. 5



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7. Use provided zip tie to hold relay in place cut off excess tie. (Fig. 6)

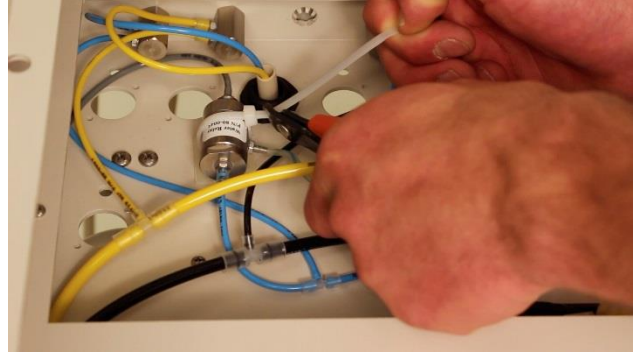


Fig. 6

8. Restore power to the unit, re-pressurize the water bottom system, and verify correct installation by testing handpieces for proper water function.