

PURPOSE

This technical guideline is provided to assist with Installing the Check Valve Replacement Kit in the Tandem Water System.

PARTS INCLUDED

- Check Valve Replacement Kit (PN95-0387)

TOOLS REQUIRED

- Sleeve tool
- Side cutter

INSTRUCTIONS

1. Turn off main power. Unplug unit from outlet and air supply to unit.

REPLACING THE CHECK VALVE BETWEEN THE TWO BOTTLES

2. Open the door to the two water bottles.
3. Locate the yellow tubing on the bottle bracket between the two bottles and pull it forward.

NOTE: The tubing is on the bottom barb. This tubing may be going into the chassis, and you may need open the chassis back door to help feed it out of the chassis.

4. Using side cutters, cut the tubing on either side of the check valve to remove it.

NOTE: Carts manufactured prior to 03/2019 will have a check valve as shown in **Fig. 1**, and carts manufactured after 03/2019 will have a check valve shown in **Fig. 2**.

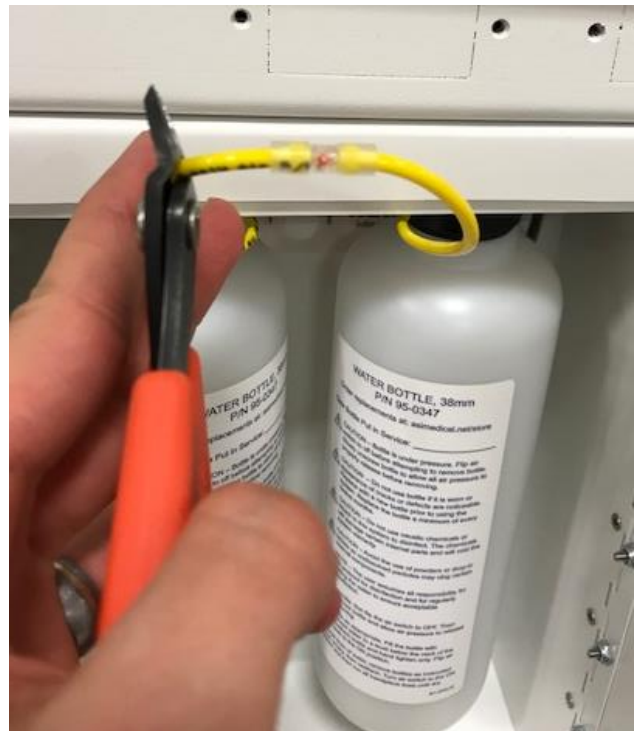


Fig. 1

5. Install the new check valve using two sleeves to secure it.
6. **NOTE:** Make sure the flow of the check valve is toward the bottle on the right. Reference **Fig. 4** for check valve orientation and location.



Fig. 2

REPLACING THE CHECK VALVE ON THE AIR SUPPLY TUBING

7. Remove Check valve from the water system supply air tubing, indicated in **Fig. 3**
8. Install new check valve securing it with two sleeves.
NOTE: Check valve will flow toward the on/off toggle exhaust valve (and the bottles). Reference **Fig. 4** for check valve orientation and location.

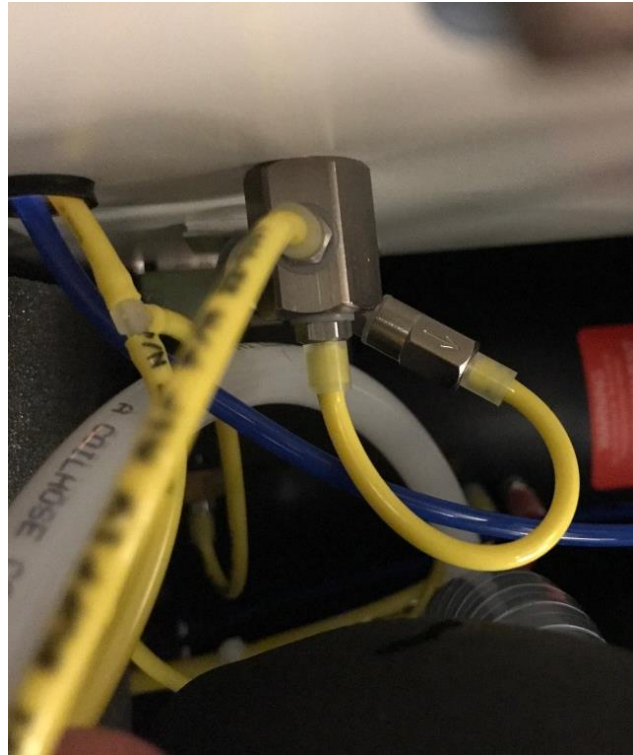


Fig. 3

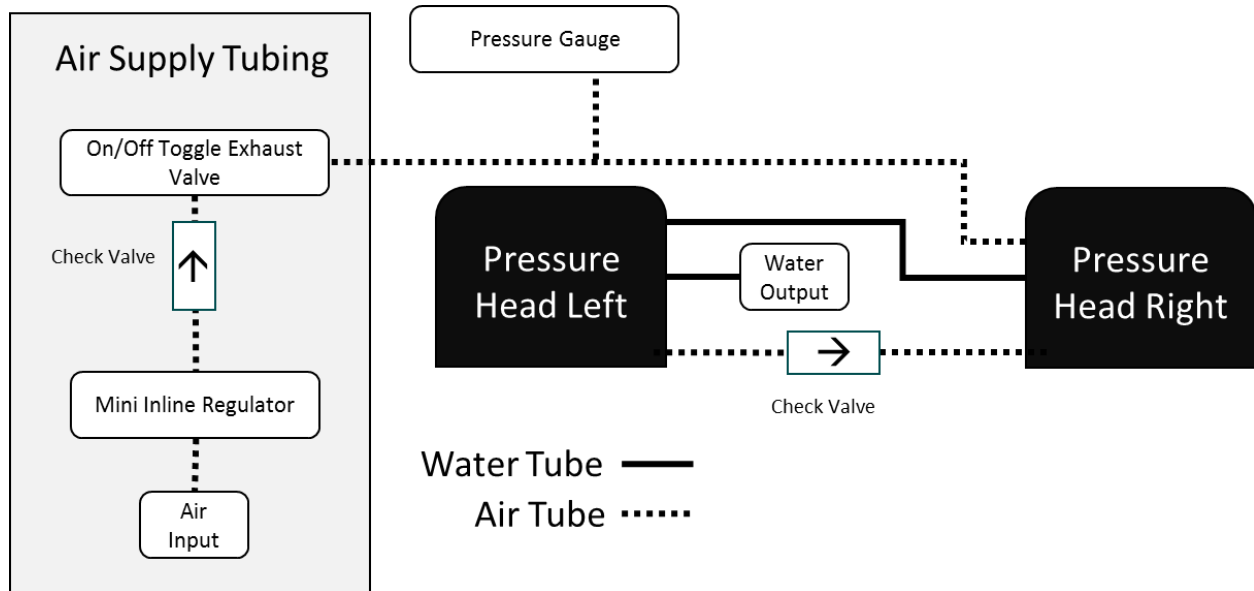


Fig. 4

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 – 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.