

**PURPOSE**

This technical guidelines provides instructions for installing a check valve repair kit (PN95-0108).

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**PARTS INCLUDED**

- Check Valve repair kit

**TOOLS REQUIRED**

- Flat head screwdriver
- Crescent wrench

**IMPORTANT!**

**Before commencing on the following instructions, please read and follow all applicable warnings/cautions listed at the end of this technical guideline.**

**INSTRUCTIONS**

1. Turn off main power.
2. Run air/water syringe to relieve compressed air in system.
3. Open back door of the unit using a flat head screwdriver.
4. Locate compressor manifold and check valve. Using crescent wrench, remove check valve by turning counter-clockwise. (Fig. 1)

Hold pressure switch box down while removing check valve. If check valve does not turn off, more leverage may be needed.

**i** *Please note, older units may have originally come with a check valve assembly that has a flat head (Fig. 2).*

The check valve assembly provided with the rounded head has been engineered to replace the flat head assembly in older units

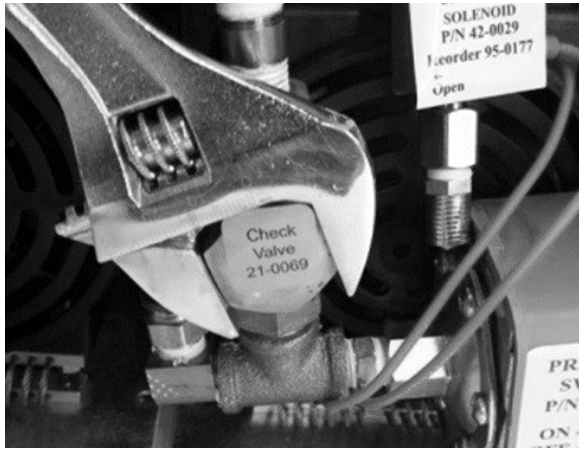


Fig. 1

- Clean and clear off inner threading, port and edge using standard wipe/towel. (Fig. 3)



Fig. 2

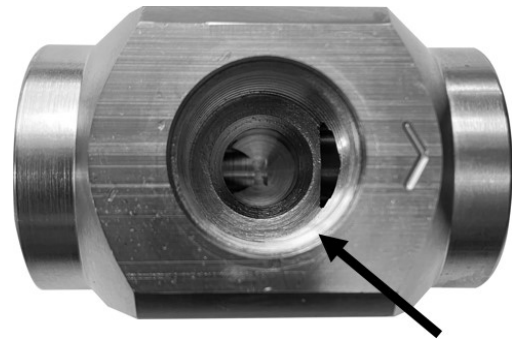


Fig. 3

- Wipe down new check valve assembly to ensure debris does not cause a negative seal. (Fig. 4, Fig. 5)

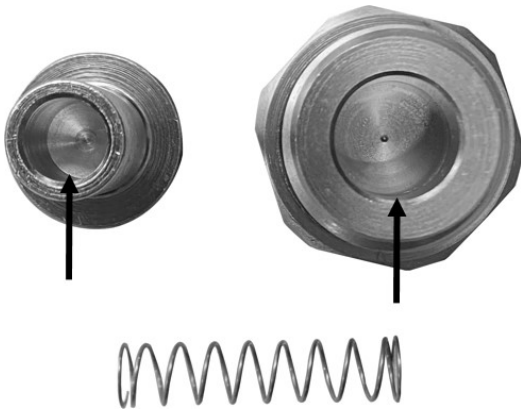


Fig.4

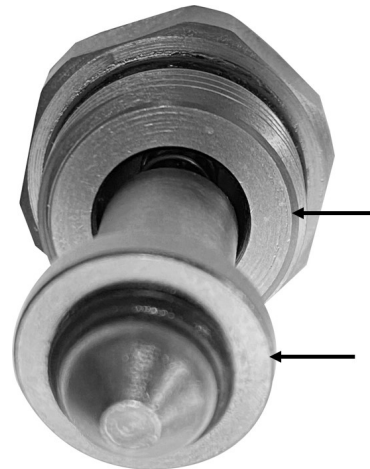


Fig. 5

- Apply a small amount of silicone dielectric compound to the O-ring on the check valve assembly to lubricate before reinstalling.
- Insert assembly into body of check valve; tighten using crescent wrench.

9. Restore power to unit; run compressor and verify for correct function.

### WARNINGS/CAUTIONS

In addition to observing the normal precautions associated with standard dental practices and procedures, the following additional precautions should be strictly noted and observed during the set-up, operation, and maintenance of this system.



#### WARNING

##### QUALIFIED PERSONNEL ONLY

The product should only be operated by qualified personnel only. The operator bears responsibility for the correct settings and proper use of the system. ASI Dental (ASI) cannot be held liable for any malfunction of this product, or performance failure and/or its designed or desired utility, nor can ASI be held liable for injuries to persons or animals, in any case when the device is misused or not operated, applied or maintained in strict accordance with user/owner instructions set out in the operation manual. In the event of any doubt or question, the user is to contact ASI for clarification or assistance.

Improperly maintained or operated systems or instruments may void the associated warranties.



#### 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.