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Technical Guideline

Check Valve Repair Kit

TG-95-0108

Rev C | 10/10/17 | Page 1 of 3

PURPOSE

This technical guideline provides instruction on installing the Check Valve Repair Kit.

CAUTIONS



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.

PARTS INCLUDED

- Check Valve repair kit

TOOLS REQUIRED

- Flat head screwdriver
- Crescent wrench

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.



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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.



Fig. 1

5. Clean and clear off inner threading, port and edge using standard wipe/towel. (**Fig. 2**)

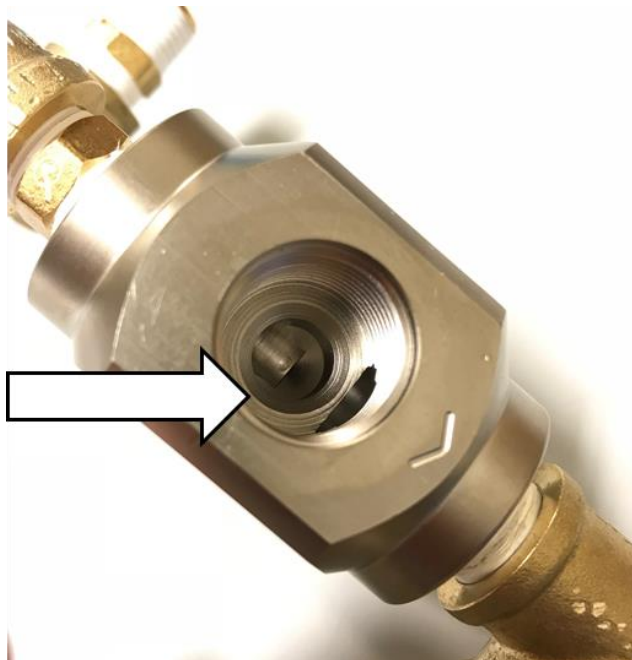


Fig. 2



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6. Wipe down new check valve assembly to ensure debris does not cause a negative seal. (Fig. 3, Fig. 4)

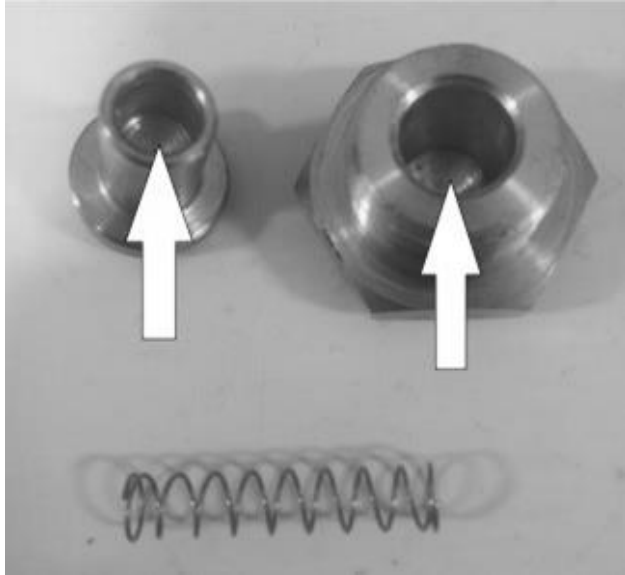


Fig. 3

White arrows indicate parts to wipe down

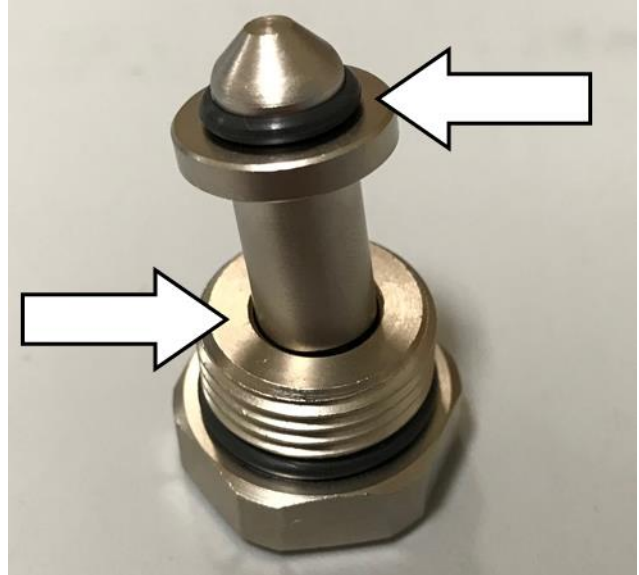


Fig. 4

White arrows indicate parts to wipe down

7. Insert assembly into body of check valve; tighten using crescent wrench.
8. Restore power to unit; run compressor and verify for correct function.