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Technical Guideline

Removing/Replacing the Master Air Regulator Bowl

TG-95-0178B

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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.



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

- Master Air Regulator Bowl Repair Kit

TOOLS REQUIRED

- Flat head screwdriver

INSTRUCTIONS

1. Turn off main power and unplug unit from outlet.
2. Open back panel of unit using a flathead screwdriver (Fig. 1)



Fig. 1



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3. Locate the Master Filter Regulator inside the unit between the air tanks. (Fig. 2)

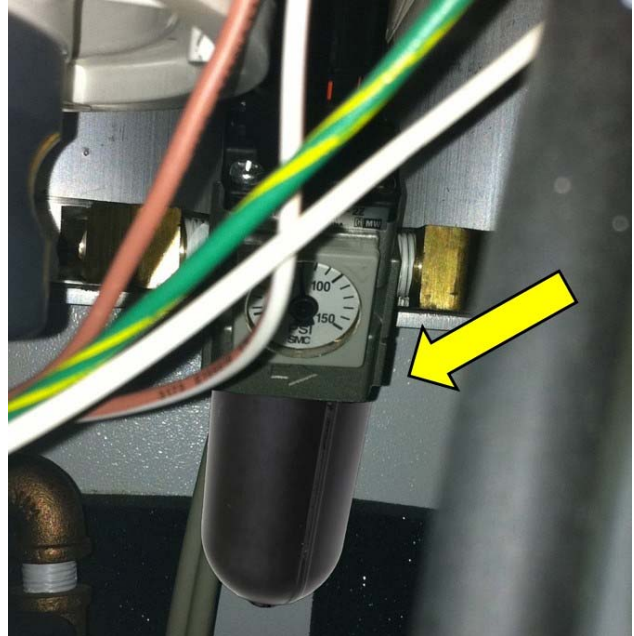


Fig. 2

4. Remove the bowl by turning counter-clockwise. (Fig. 3)



Fig. 3



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5. Locate and remove the filter by turning counter-clockwise. (Fig. 4)



Fig. 4

6. Separate the filter from the black plastic by pulling apart. (Fig. 5)

Reattach the black plastic to new filter. Turn clockwise to install.



Fig. 5



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7. Apply silicone dielectric compound to the O-ring on the filter bowl. (Fig. 6)

Rethread new bowl turning clockwise.



Fig. 6

8. Restore main power to the unit and test for proper function.