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Technical Guideline

Foot Control Repair Kit (for units manufactured 04/01/13 or later)

TG-95-0240

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PURPOSE

This Technical Guideline is to demonstrate the installation of the Foot Control Toggle Assembly in delivery units manufactured April 1, 2013 or later.



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.

PARTS INCLUDED

- Foot Control Toggle Assembly

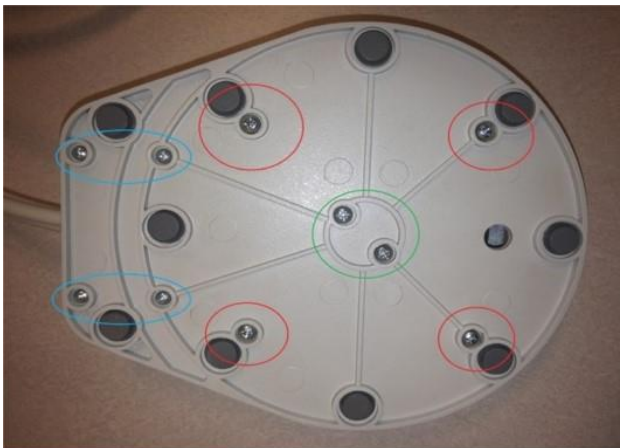
TOOLS REQUIRED

- Phillips head screwdriver

INSTRUCTIONS

1. Turn off air supply to the unit.
2. Run air/water syringe to relieve pressure from unit. Remove outer dome screws using Phillips screwdriver. Fig. 1. Remove dome from base. (Fig 2)

NOTE: Do not remove center block screws.



○ Removal of Dome ○ Removal of Block ○ Removal of Toggle Housing

Fig. 1



Fig. 2



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3. Remove the dome spring, valve, and valve spring from the block. (Fig. 3, Fig. 4)



Fig. 3



Fig. 4

4. Replace with new parts from repair kit. Apply dielectric compound grease to O-ring. Be sure that the large end of the conical spring goes into the valve first and then the small pin on the brass portion of the valve is inserted into the small end of the conical spring. (Fig. 5)



Fig. 5



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5. Be sure that the gray tubing is within the tubing guides on the base so it is not pinched when the dome is reassembled. (Fig. 6)



Fig. 6

6. Reassemble the dome with screws using a Phillips head screwdriver.
7. Turn on the air supply and test the foot pedal.