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## Technical Guideline

### Replacing or Installing New Handpiece Holders

TG-90-2793  
90-2794

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**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

- One (1) Holder
- Two (2) Plastic Sleeves

#### TOOLS REQUIRED

- Needle-nose pliers
- Side cutters or scissors
- 1/8" Allen wrench

#### INSTRUCTIONS FOR AUTOHOLDER

For installation of Standard or Non-Autoholder, see Steps 3, 8, 9

1. Turn off main power and air supply to unit.
2. Run air from the air/water syringe to relieve pressure to unit.
3. Remove the existing Autoholder from the Holder bar by unscrewing two (2) hex screws on the End Cap using a 1/8" Allen wrench.
4. Remove the plastic sleeves securing the beige tubing using needle-nose pliers.



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- Remove the beige handpiece tubing from the existing Autoholder using side cutters or scissors.

**NOTE:** There are two (2) tubes and one has a line or tracer on it and is connected to the rear-most barb of the Autoholder when looking at it from the front of the delivery unit. (Fig. 1)



Fig. 1

- For new Autoholder addition to unit:** Open/remove cover of ASI unit. Locate position and barbs on the control block. Attach tracer line tubing to barb (nearest the adjustment stem side). Attach non-tracer line tubing to second barb of control block. Feed tubing through the baseplate hole specific for the Dual Lumen Tubing. (Fig. 2)



Fig. 2

- Take the new Autoholder and connect the beige handpiece tubing to the barbs. (Fig. 1, Fig. 3)



Fig. 3



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8. Ensure two (2) springs and two (2) cups/plungers are seated in holder properly. (Fig. 4)



Fig. 4

9. Place the new Autoholder on the correct holder bar position. Secure to the holder bar by tightening the two (2) hex screws equally just until tight. (Fig. 5)

**IMPORTANT:** Do not over tighten these hex screws as this could crack the Autoholder.



Fig. 5

10. Restore main power to the unit. Test for proper function.

**TESTING:** Holders have multiple pivot functionality. They can pivot up and down or side to side. If air is leaking through the holder after installation, verify the tracer tubing is in the correct barb location. The tracer can be located by identifying a ridge.

**LOCKOUT SWITCH:** Autoholders also have a lockout switch functionality that can enable the holder to be disabled if a motor needs to be changed out while the doctor is working with another handpiece. Engage the lockout function by turning to a horizontal position. While the switch is in the down position (towards the floor), the Autoholder will allow the handpiece to run.