

**1. APPLICABLE DELIVERY SYSTEMS**

For delivery units sold between 04/16/2001 and 10/23/2006 (SN 591056 through 592793). The black diaphragm can be seen along the edges where the two halves of the control block come together.

For earlier systems (SN 591055 and earlier, please upgrade control block using PN 95-0295). For newer models (SN 592794 and later, use replacement diaphragm pucks 95-0215).

**2. SERVICE PRODUCTS**

- 95-0076, Diaphragm, 5H Control Block Set of 2

**3. PARTS INCLUDED**

- Diaphragm (2)

**4. TOOLS REQUIRED**

- Phillips head screwdriver
- 7/65" Allen wrench

**5. GENERAL SAFETY PRECAUTIONS**

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.

**6. REPLACEMENT INSTRUCTIONS**

Step 1 - Turn off main power and air supply to unit.

Step 2 - Run air syringe to relieve compressed air in the system.

Step 3 - Open the cover of the delivery unit.

**i** *For instructions on opening the cover, refer to ASI Technical Guideline 65-0213, "Cover/Cover Plate Access."*

Step 4 - Depending on the model of your system, the control block is held in place with two screws, screwed in from underneath the baseplate. Remove the two screws to release the control bracket. The control block can be opened up without removal of tubings.

Step 5 - Using a 7/64" Allen wrench, remove all 13 screws from the control block; set screws aside. (Fig. 1)

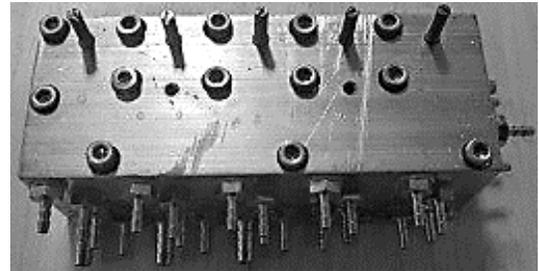


Fig. 1

Step 6 - Carefully separate the control block in the center.

Step 7 - Remove the existing control block diaphragm.

Step 8 - Rinse the replacement control block diaphragm with water to remove any powder and apply while still wet to the block, lining up with holes and checking for correct positioning. (Fig. 2)

**i** *Placing the diaphragm while still damp will help to hold it in position while securing top half of the block.*

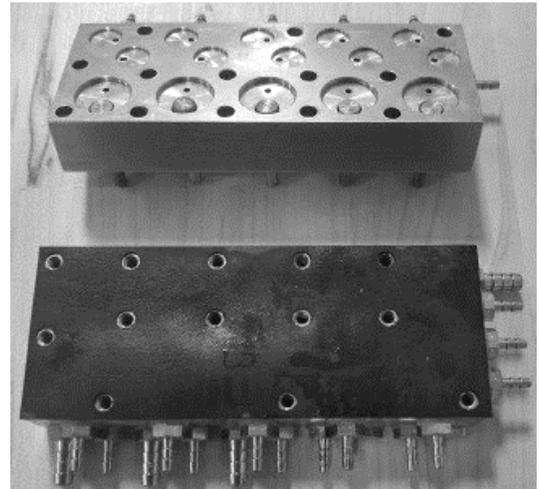


Fig. 2

Step 9 - Put two halves of the control block together, making sure the holes for the hex screws are open.

Step 10 - Once the control block halves are back together, replace the hex screws with a 7/64" Allen wrench.

**i** *IMPORTANT: Tighten the hex screws evenly starting from the center and working to the outside. This will ensure that the diaphragm is secured in an even pattern so the diaphragm is not pinched causing non-function.*

Step 11 - Reinstall the control block to the baseplate.

Step 12 - Restore power to the unit and test for proper function.

- i** *Check handpiece pressure to instruments to ensure psi is correct. Refer to ASI's Technical Guideline 65-0122, "Handpiece Pressure Adjustments."*