CONTENTS

TOOLS REQUIRED

- Nut drivers: 1/4”, 3/16”
- Crescent wrench

A. REMOVAL INSTRUCTIONS

A1. Turn main power OFF and unplug unit.

A2. Open the cover of the delivery systems according to the delivery system type.

Digital Display Ultrasonic Board (PN95-0199)

A3. Disconnect Molex connections by pressing the tab to release from the Display Board. **(Fig. A1)**

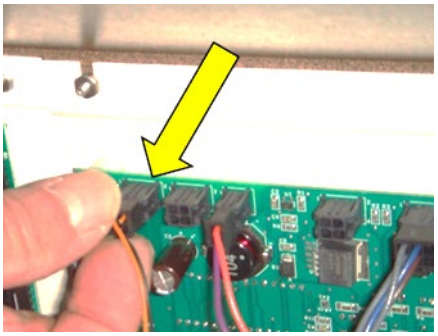

Fig. 1

A4. Remove (4) nuts using a 3/16" Nut Driver on Control Board and set aside. **(Fig. A2)**

IMPORTANT:

- When removing nuts from Board, spacers may fall from threading. After removing Board, secure spacers by rethreading nuts.
- The Adapter Panel will remain attached to the ASI unit.

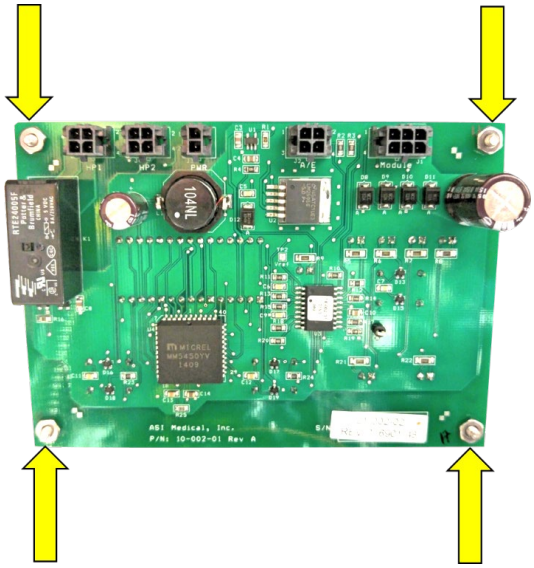

Fig. A2

Wire Harness (PN 95-0200)

A5. Disconnect yellow/black Molex Connector from N/O A/E Switch. **(Fig. A3)**

A6. Disconnect Wire Harness Molex Connector from Newtron Module. **(Fig. A3)**

A7. Disconnect Bullet Connector, black from Transformer red wire. **(Fig. A4)**

A8. Disconnect Spoon Connector on circuit breaker. (**Fig. A4)**

Newtron Module (PN 95-0198)

A9. Remove Newtron Module by lifting up from Velcro secured to Baseplate. **(Fig. A3)**

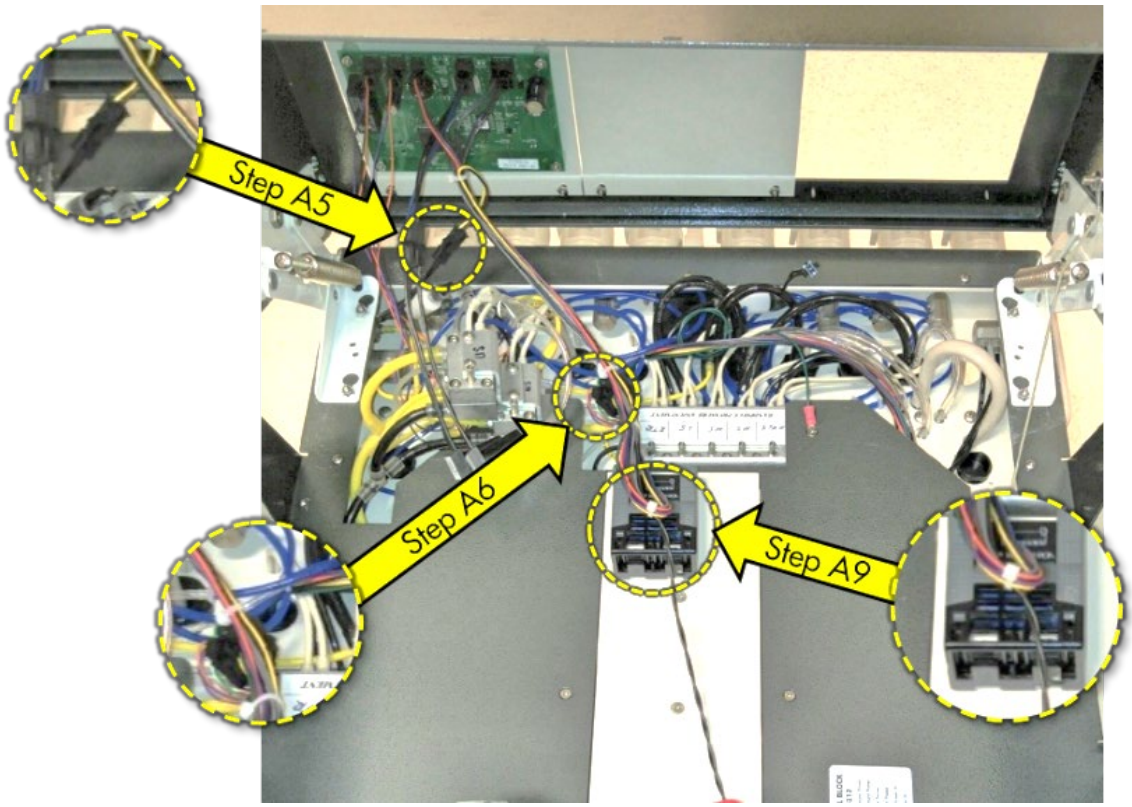

Fig. A3

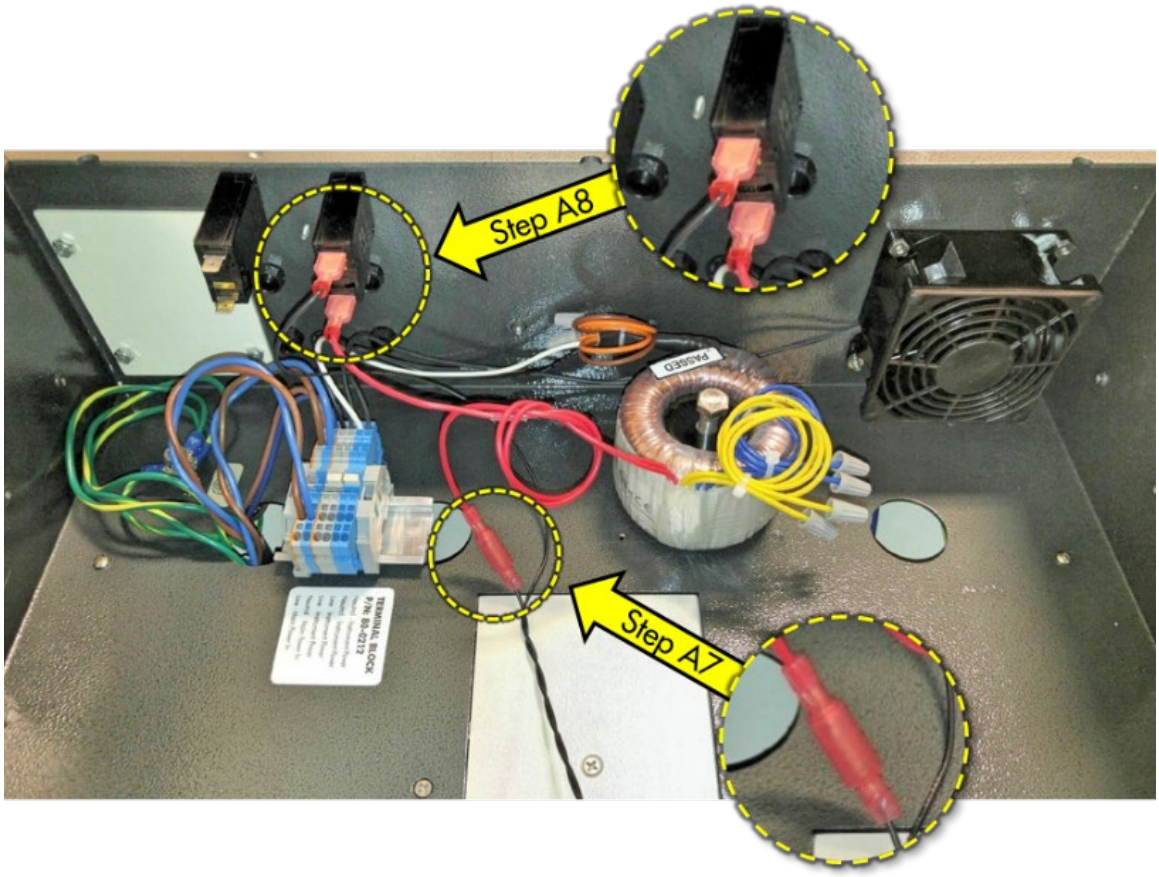

Fig. A4

Handpiece Tubing (PN 95-0123L or 95-0123LS)

A10. Loosen the strain relief nut with a crescent wrench at baseplate. **(Fig. A5)**

Fig. A5

B. INSTALLATION INSTRUCTIONS

B1. Turn off main power and unplug unit.

B2. Open the cover of the delivery systems according to the delivery system type.

B3. Install Handpiece Holder to bar. (See ASI Technical Guideline TG-90-2793/TG-90-2794, *"Replacing or Installing New Handpiece Holders"*). **(Fig. B1)**

Repeat step for the second handpiece on Dual Ultrasonic systems.

Fig. B1

B4. Install Handpiece Tubing (95-0123L, and/or 95-0123LS). Thread Strain Relief Nut and tighten using a crescent wrench. **(Fig. B2a, Fig. B2b)**

Place in Holder. **(Fig. B1)** Repeat step for the second handpiece on Dual Ultrasonic systems.

Fig. B2a Outside of Unit

Fig. B2b Inside of Unit

B5. Install full panel using a 1/4" nut driver, thread four (4) nuts to hold to cover plate. **(Fig. B3)**

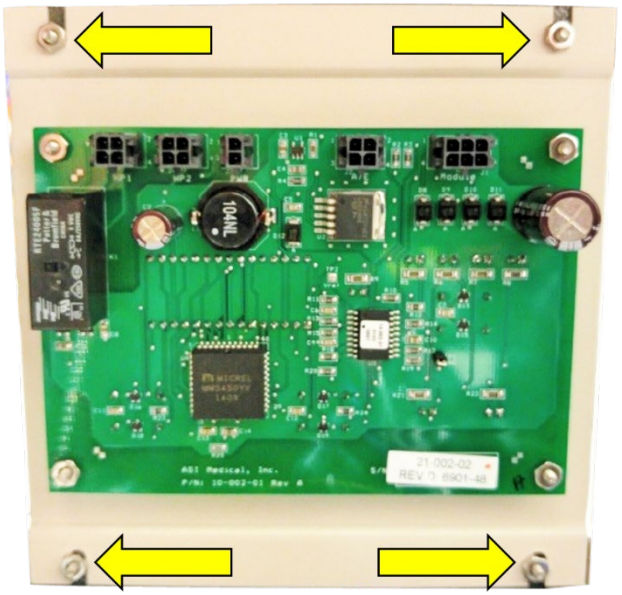

Fig. B3

B6. Connect Ultrasonic 1 to HP1 position on Digital Display Board (PN 95-0199). **(Fig. B4)** Repeat step for the second handpiece on Dual Ultrasonic systems to HP2 position

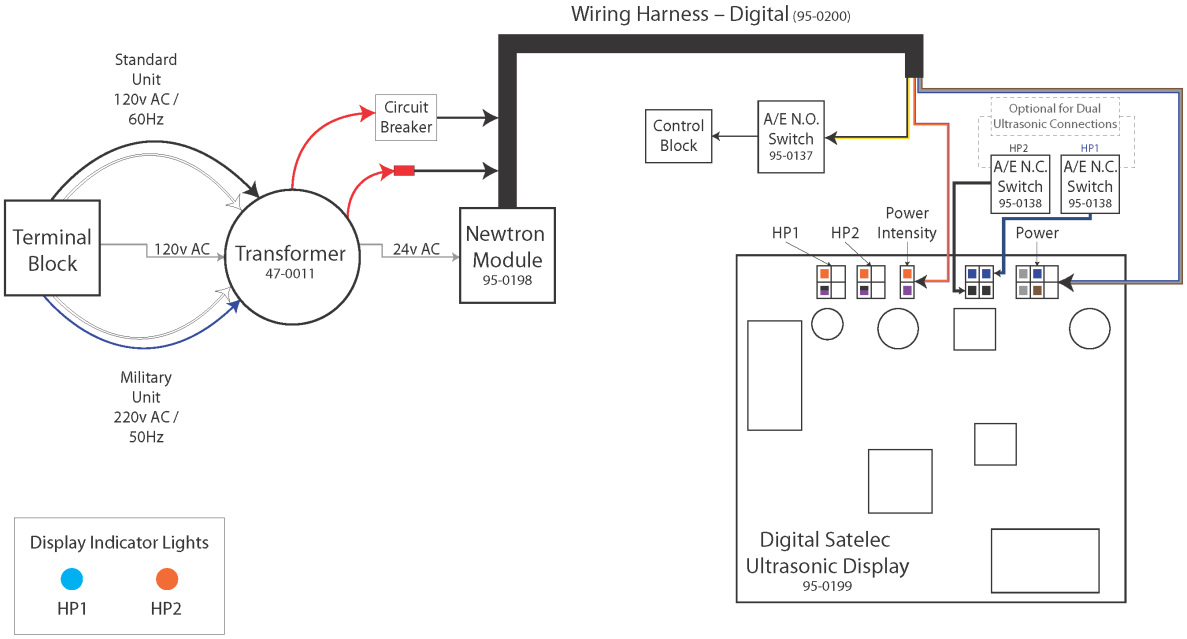

Fig. B4

B7. Wire Harness to Digital Display Board (PN 95-0199). **(Fig. B4)**

B8. Connect Newtron Module (PN 95-0198) to Wire Harness (PN 95-0200). **(Fig. B4)**

B9. Connect; secure Bullet Connectors. **(Fig. A3, Fig. A4)** Mount Newtron Module to baseplate using pre-installed Velcro.

IMPORTANT: Place within length of Wire Harness from Digital Display Board. Having enough slack for when the unit is opened or serviced will prevent damage to components.

B10. Install N/O A/E Switch (PN 95-0137) to Ultrasonic position of Control Block; see ASI Technical Guideline TG-95-0137/TG-95-0138, *"Removing and Replacing Normally Closed and Normally Open Air Electric Switches"*.

IMPORTANT: If installing a single or dual position Control Block; see ASI Technical Guideline TG-95-0237 *"Upgrading to Dual Satelec Digital Ultrasonic Add-on with Control Block"*.

B11. Connect Molex from Wire Harness to N/O A/E Switch.

B12. ***(Optional Dual Ultrasonics)*** Connect N/C A/E Switch (PN 95-0138) to Digital Display Board.

B13. Connect bullet connector, black wire from Wiring Harness to red wire from Transformer (PN 95-0300). **(Fig. B4)**

B14. Install Circuit Breaker and secure nut using a crescent wrench.

B15. Connect Spoon Connector, black wire from Wire Harness to Circuit Breaker Prong.

B16. Apply handpiece (PN 92-ASF12281) with tip attached.

B17. Restore main power to unit.

B18. Test instrument for proper function.

WARNINGS

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.