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Technical Guideline

Aseptic DTC - Field Installation

TG-95-0385

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PURPOSE

This technical guideline is use for field installation of a new Aseptic DTC into a delivery unit. Use additional Technical Guidelines TG-90-2793/90-2794, "Replacing/Installing Handpiece Holders" and TG-95-0137/95-0138, "Removing/Replacing a NC/NO Air Electric Switch" except for replacement/upgrading of an older Aseptic unit.

WARNINGS



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

- Aseptic Main Board, prepped
- Brown wire with receptacle
- Holder with assembly kit
- Prepped panel
- N/O switch assembly
- Motor connector with pan head screws
- Hex head nuts

TOOLS REQUIRED

- Phillips head screwdriver
- 1/4" Nut driver
- 0.5m flathead screwdriver
- Wire strippers and crimpers



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INSTRUCTIONS

If only replacing/upgrading an older Aseptico, remove the old from the cart, skip steps 4 through 7.

1. Turn off main power. Unplug unit from outlet and air supply to unit.
2. To access the electrical components of the cart, open the delivery system by lifting off the Silestone and removing the plate cover.
3. Using the 1/4" nut driver, carefully remove the blank/old panel. Install the prepped panel using then hex nuts provided.



Fig. 1

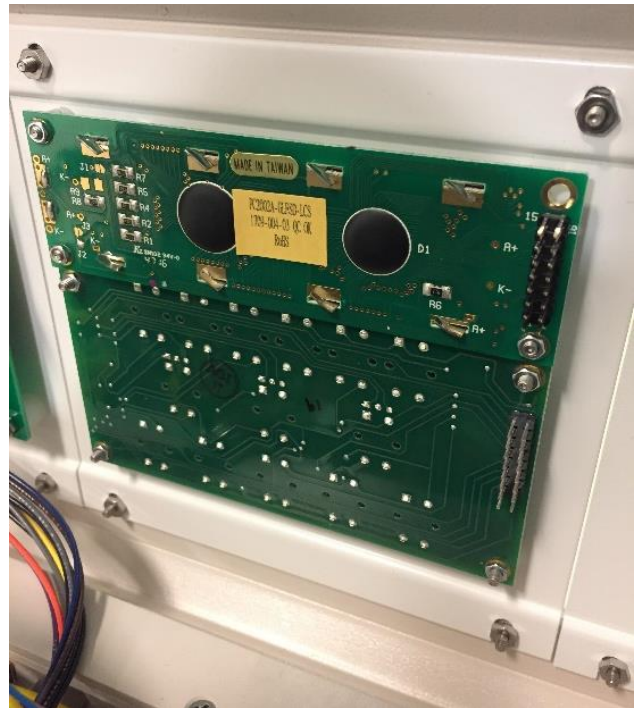


Fig. 2



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- Punch out a precut hole from the back of the cart. Stick the circuit breaker through the hole from inside the cart. On the outside slide on the plastic washer and tighten with hex nut using 9/16" wrench.

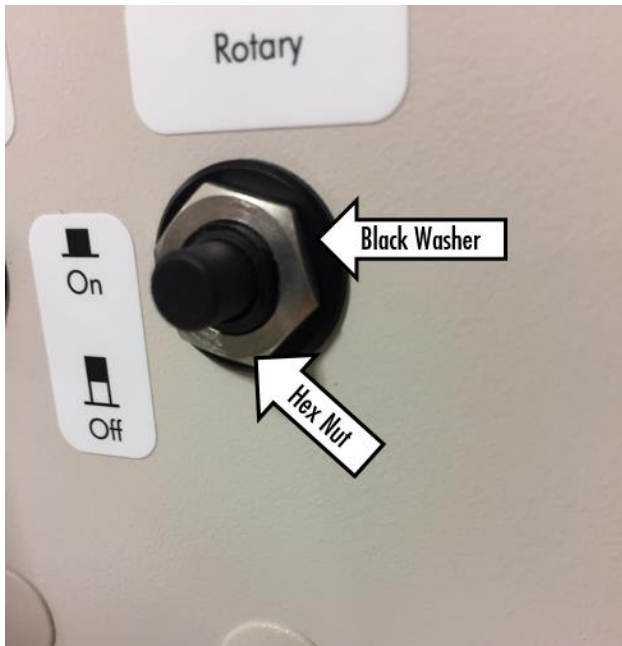


Fig. 3

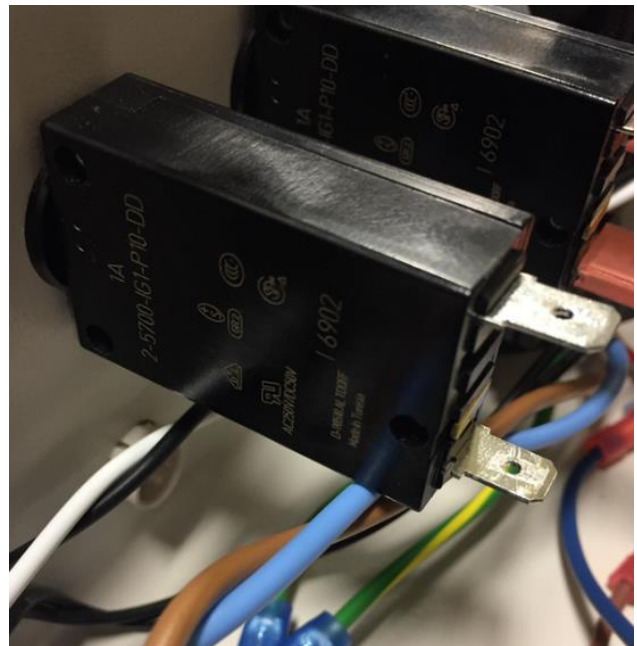


Fig. 4

- Using Technical Guide TG-90-2793/90-2794, install the handpiece holder.



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- Using two (2) pan head screws, install the motor connector on the bottom of the baseplate. Make sure that the motor connector is in-line with the tool piece holder that you previously installed.

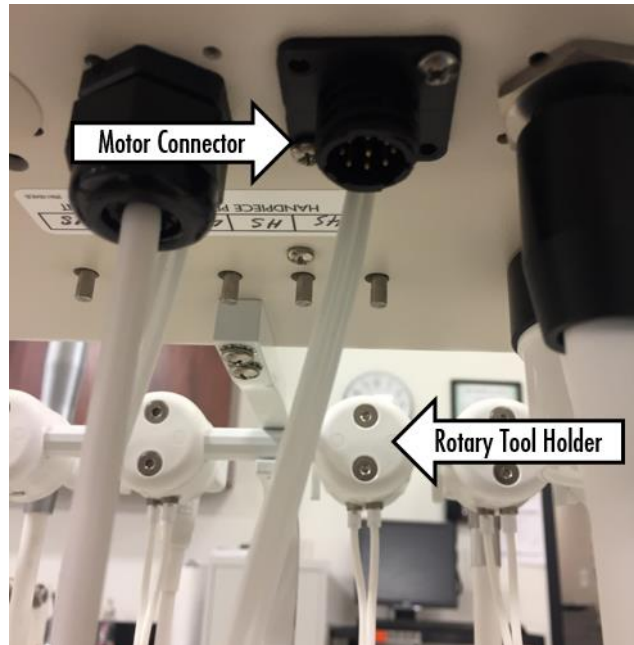


Fig. 5

- Using Technical Guide TG-95-0137/95-0138, install the N/O switch to the control block.
- Place the Aseptico unit on the cart in the location close enough where the motor connector will reach.
- Attach the foot harness extension coming from main board to the N/O switch assembly.



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10. Connect the motor connector that is coming from the baseplate to J1 on the main board.

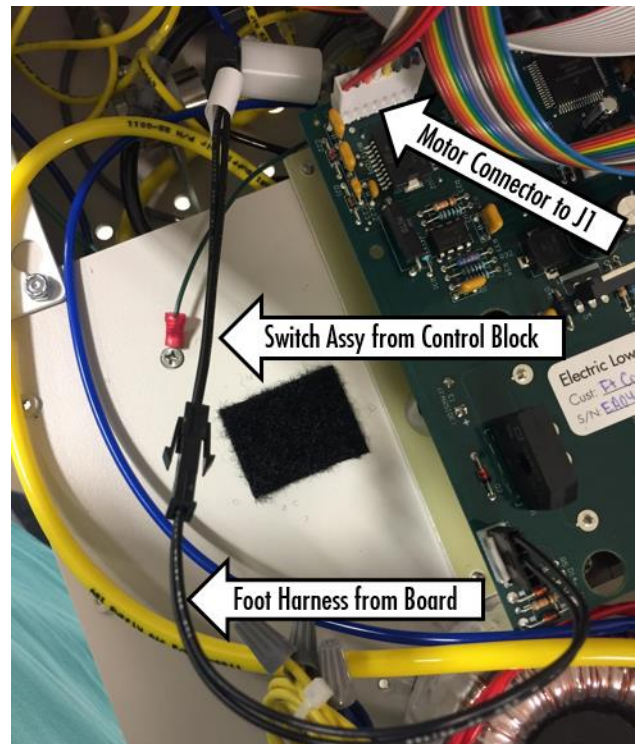


Fig. 6

11. From the main board, connect the rainbow ribbon cable to the display board and the gray ribbon cable to the control board. Both ribbon cables must face inward.

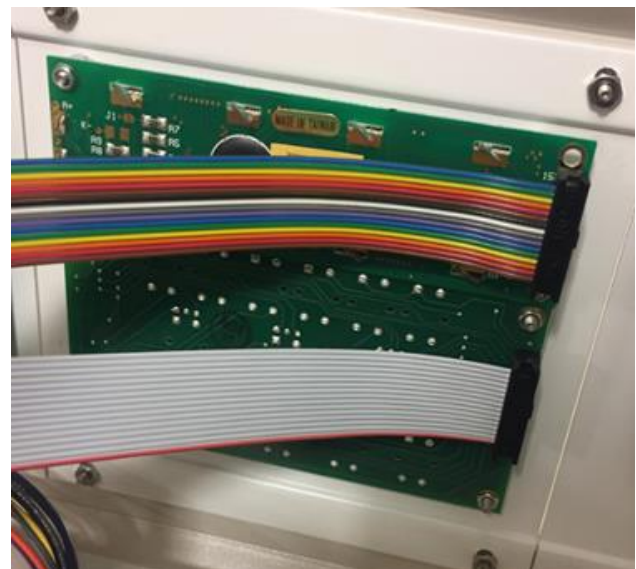


Fig. 7



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12. From the main board, grab the blue wire, strip 1/4" back, then connect it to the blue neutral-output side of the terminal block.

13. Strip 1/4" back and crimp on a receptacle on the brown wire coming from the main board. Connect to the circuit breaker.

14. Strip 1/4" on both ends of the separate brown wire provided. Crimp a receptacle to one end, connect it to the circuit breaker. Connect other end to the terminal block on gray line-output side.

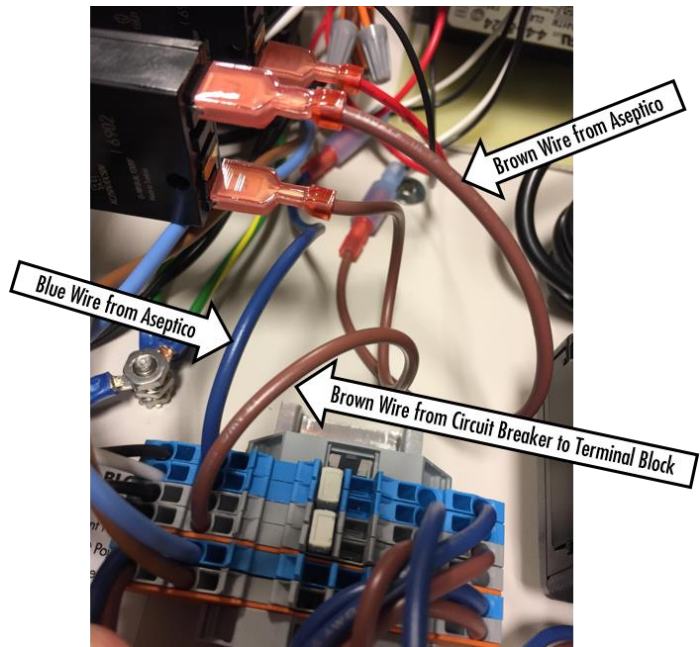


Fig. 8

15. Connect the tool to the harness underneath the baseplate by aligning the pins and then turning counter clockwise. Set the tool on the tool holder.



Fig. 9