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Instrument Guideline

Installation of Nouvag TCM III

TG-90-5258

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PURPOSE

The purpose of this Technical Guideline is to instruct the user how to install the Nouvag TCM III tabletop RTR or Rotary into a delivery unit.



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 – 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.

TOOLS REQUIRED

- 7/32" nut driver
- Power screwdriver

INSTALLATION INSTRUCTIONS

1. Before handling any circuit boards, make sure you use ESD (Electrostatic Discharge) Procedures.
2. Attach circuit breaker to the base plate, using two shoulder washers and nut that comes with circuit breaker.

AUTO HOLDER INSTRUCTIONS

3. Attach tubing to holder (ribbed tube to back side of holder) using small sleeves. Attach the holder to the bar using two springs, two cups, and an end cap. Hold them all together with two screws.
4. Install motor and cord in designated position in base plate. Attach strain relief to hold cord to proper length.



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5. Blue to position "N" on main board and brown to "P" on main board. Extend grounding wire. Wrap all three wires through EMI Suppressor and then attach ground wire to grounding stud in base plate. From there, attach brown wire to 1 amp circuit breaker and from circuit breaker to gray terminal block feed brown wire). The blue wire goes straight to blue terminal block. (Fig. 1; Fig. 2)

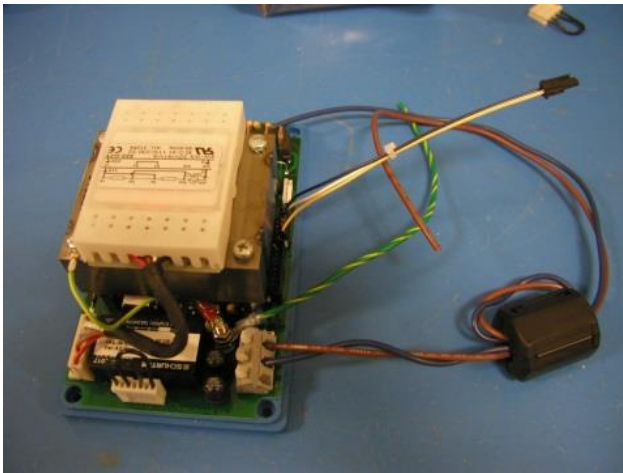


Fig. 1



Fig. 2

6. Attach an EMI suppressor to motor cord. Attach motor cord to plug, coiling extra and securing with cable tie.
7. Connect the Foot Pedal Harness to the A/E Switch N/O from the Control Block.