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Technical Guideline

Multi-Motor Console Removal

TG-NP-0013

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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.

INSTRUCTIONS

1. Turn power to the unit off.
2. Open top of unit and gain access to baseplate.
3. Locate the main board of the multi-motor controller and the display panel.
4. Disconnect connections from the transformer to the main board.
5. If new transformer is necessary, remove existing transformer and install new one per separate instructions.
6. Disconnect the motor harness connection(s) from the main board and the foot control air signal lines from the control block to the main board.
7. Remove multi-motor display panel by unthreading 4 nuts and then remove.
8. The main board will be held down by VHB double-stick tape. Remove by firmly prying up on one side to lift and then remove.
9. Remove any extra components or motor connections for the multi-motor, including the EndoMate connections. Plug signal lines from the control block for unused positions, if necessary, or leave in if they are to be rerouted to a replacement console.