



The Leader in Advanced Systems Integration
 Advanced Dental Systems® & Advanced Endodontic Systems®
 www.asimedical.net | (303) 766-3646

Technical Guideline

Wire Harness for NC Switch Suction System

TG-95-0386

Rev A | 05/22/18 | Page 1 of 3

PURPOSE

This technical guide will replace the current wiring in the cart, using crimped on bullet connectors with the new NC Switch Wire Harness for the suction system. For replacing the NC switches, please follow Technical Guide, TG-95-0137/0138, *Removing and Replacing Normally Closed and Normally Open Air Electric Switches*.

CONTENTS

PARTS INCLUDED.....	1
TOOLS REQUIRED	1
INSTRUCTIONS.....	2
WIRING SCHEMATIC USING NC SWITCH WIRE HARNESS FOR SUCTION SYSTEM.....	3

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

- Wire Harness, NC Switch

TOOLS REQUIRED

- Phillips head screwdriver
- Side Cutters
- Wire Strippers



The Leader in Advanced Systems Integration
Advanced Dental Systems® & Advanced Endodontic Systems®
www.asimedical.net | (303) 766-3646

Technical Guideline

Wire Harness for NC Switch Suction System

TG-95-0386

Rev A | 05/22/18 | Page 2 of 3

INSTRUCTIONS

1. Turn off main power. Unplug unit from outlet and air supply to unit.

2. Remove the NC switch, according to TG-95-0137/0138.

3. Cut off the bullet connectors that were connected to the NC switches (one for the vacuum power (on/off) switch and one for the wire connecting to the vacuum).

4. Strip the ends of each wire.

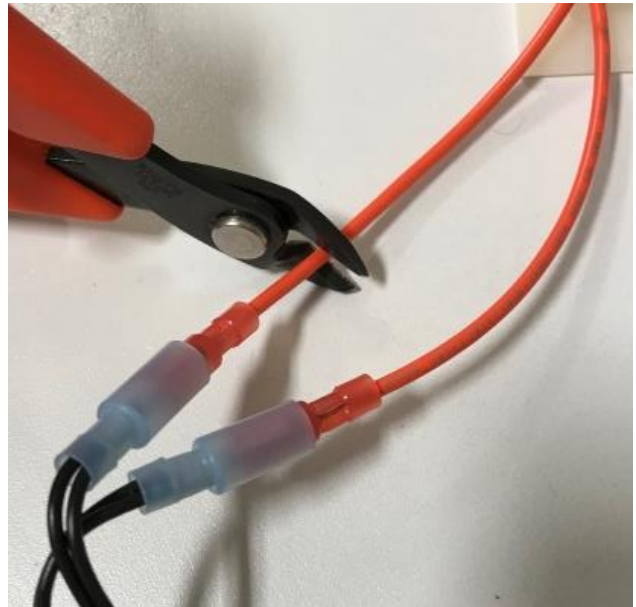


Fig. 1

5. Take the wire from the vacuum power switch and insert it into the wire harness lever nut, terminal number 5 labelled "switch".

6. Take the wire from the vacuum and insert it into the wire harness lever nut, terminal number 5 labelled "vacuum".

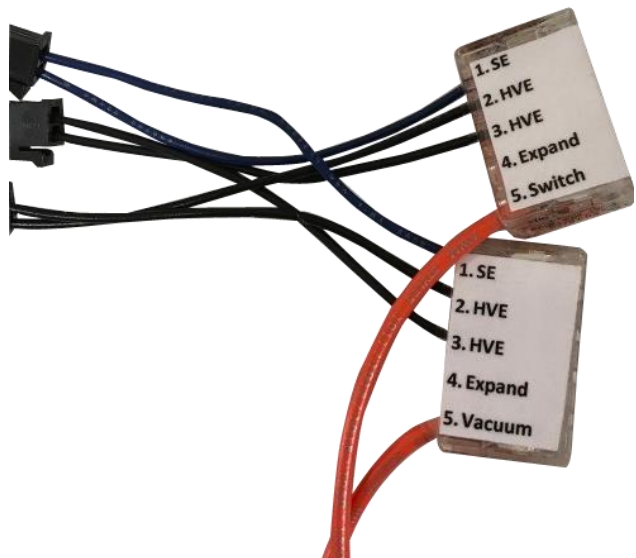


Fig. 2

7. Connect the NC switches by plugging in to the black connectors on the wire harness.



The Leader in Advanced Systems Integration
 Advanced Dental Systems® & Advanced Endodontic Systems®
 www.asimedical.net | (303) 766-3646

Technical Guideline

Wire Harness for NC Switch Suction System

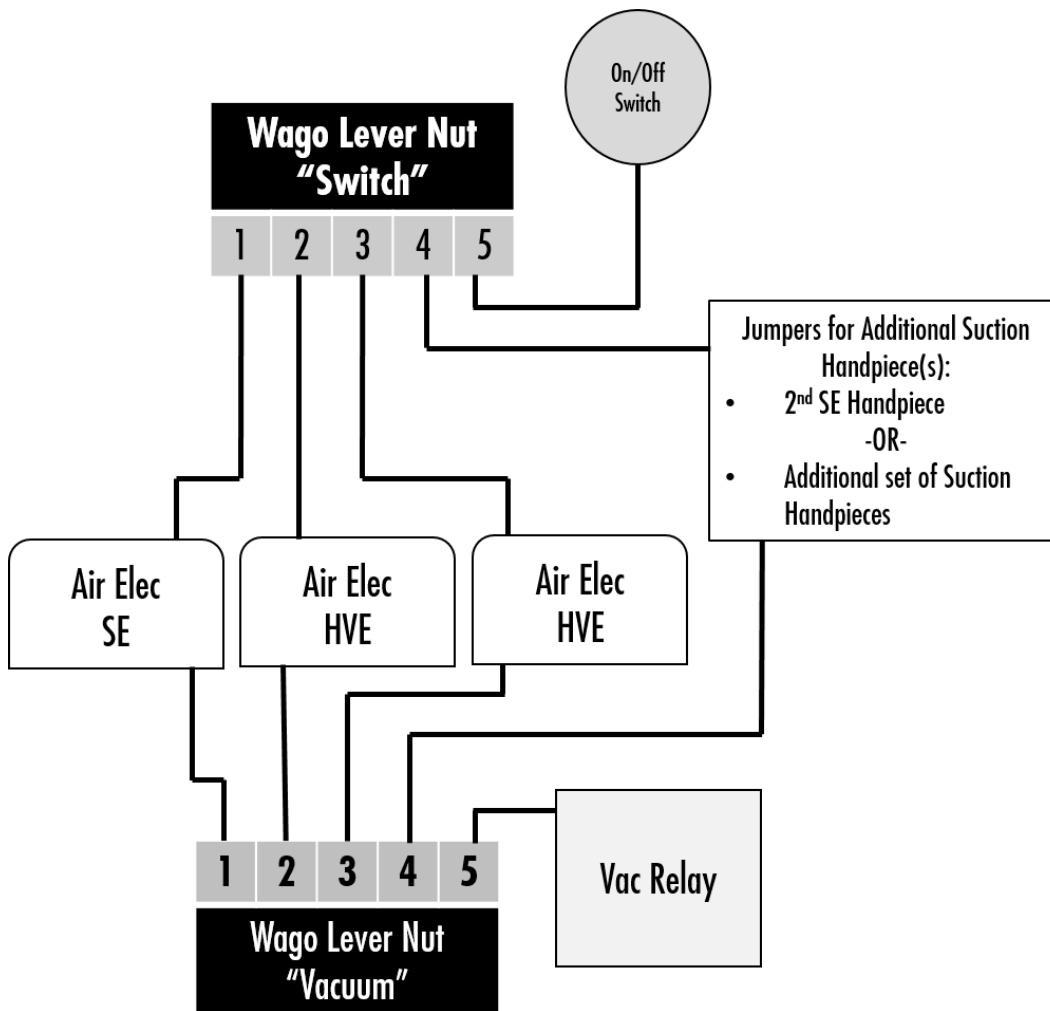
TG-95-0386

Rev A | 05/22/18 | Page 3 of 3

NOTE: To open the terminals on the lever nuts, simply pry up the orange tabs, then insert the stripped wire and snap the orange tab shut to secure the wire.

NOTE: Terminal 4 on each lever nut will remain open for the expansion of additional suction handpieces.

WIRING SCHEMATIC USING NC SWITCH WIRE HARNESS FOR SUCTION SYSTEM





The Leader in Advanced Systems Integration
Advanced Dental Systems® & Advanced Endodontic Systems®
www.asimedical.net | (303) 766-3646

Technical Guideline

Wire Harness for NC Switch Suction System

TG-95-0386

Rev A | 05/22/18 | Page 1 of 1

REVISION HISTORY (FOR INTERNAL MASTER FILE ONLY)

CO #	Rev	Description of Change	Author	Eff. Date
CO-18-070	A	Initial release	K. Vogel	05/22/18