

MIDWEST®



## The Midwest® Stylus™ ATC Installation Guide

MIDWEST®  
**STYLUS™ ATC**  
ANYTHING ELSE IS ORDINARY

[www.StylusATC.com](http://www.StylusATC.com)

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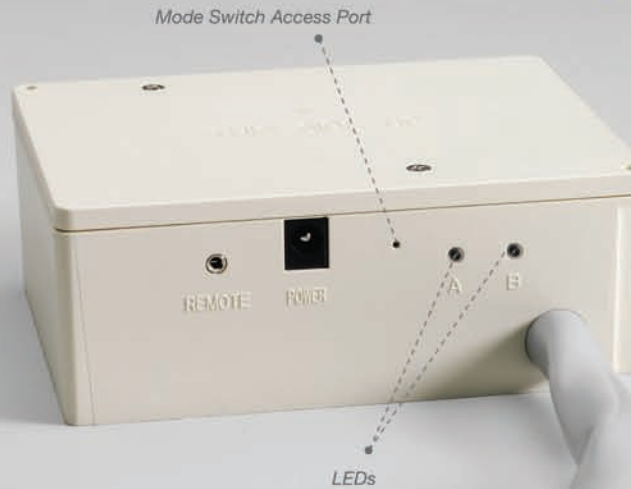
**ATTENTION! Review this entire guide before beginning any installation procedures.**

For installation assistance, call the Midwest<sup>®</sup> Stylus™ ATC Installation Technician Helpline at

**1.877.794.8357.**

**ATTENTION! Do not exceed 85 psi inlet pressure to the Midwest<sup>®</sup> Stylus™ ATC Controller Unit.**

## ATC Controller Unit



- 1 Inspect **ATC Controller Unit**. Note presence of **LEDs** and **Mode Switch Access Port**. These features must be readily accessible once unit is installed.

- 2 Mount **Controller** by:
  - a. Using strap and bracket

- 2 Mount **Controller** by:
  - b. Bolting onto Dental Delivery System

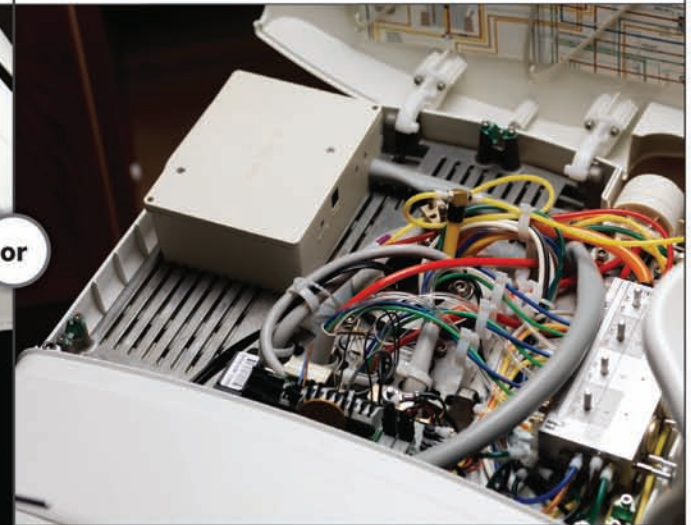
- 2 Mount **Controller** by:
  - c. Placing inside Dental Delivery System



or



or

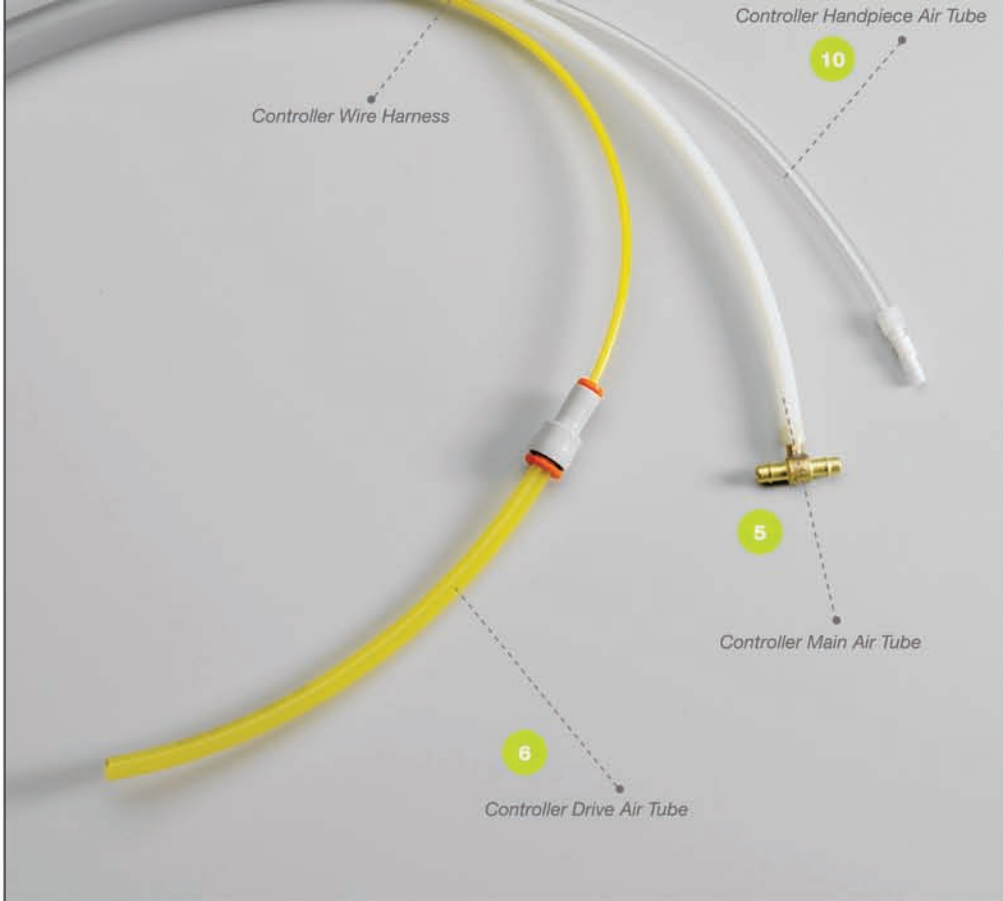


## Controller Hose

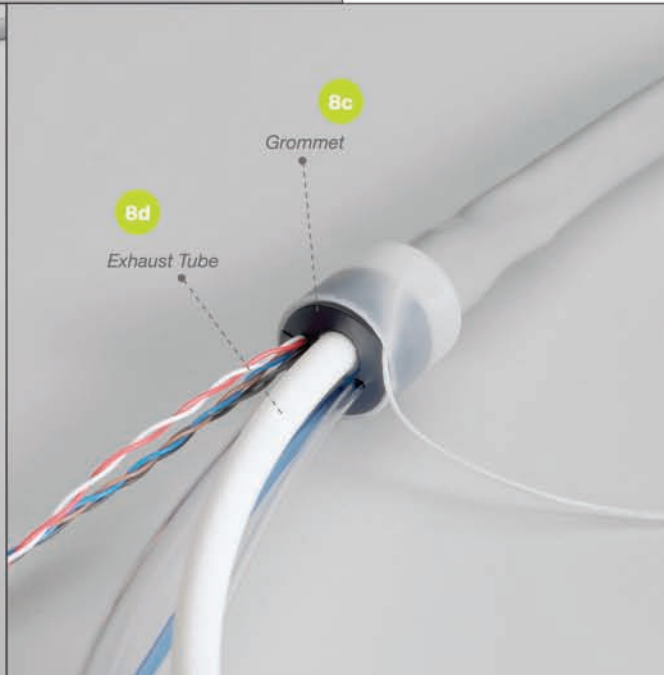
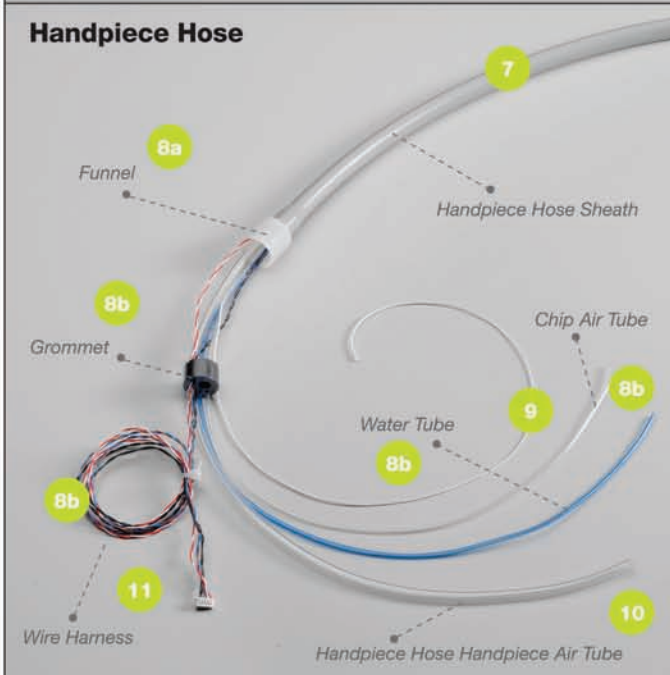


- 3 Feed the **Controller Hose** into the Dental Delivery System.
- 4 Remove the existing high-speed Handpiece Hose.
- 5 Splice the **Controller Main Air Tube** into the Inlet Air Tube of the Control Block.

"1" fitting is downstream of Foot Control.



- 6 Connect the **Controller Drive Air Tube** to the Control Block Drive Air.
- 7 Feed the **Handpiece Hose** into the Dental Delivery System.
- 8 Assemble the Oil Collector to the **Handpiece Hose**:
  - a. Install the **Funnel** into the **Handpiece Hose Sheath**
  - b. Feed the **Chip Air Tube, Water Tube, Handpiece Air** and **Wire Harness** through the Grommet
  - c. Press the **Grommet** into the Funnel
  - d. Insert the **Exhaust Tube** into the Grommet at least 3"
  - e. Connect the **Exhaust Tube** to the Oil Collector Cup
- 9 Connect the **Chip Air** and **Water Tube** to the **Control Block**.
- 10 Connect the **Handpiece Hose Handpiece Air Tube** to the **Controller Handpiece Air Tube**.
- 11 Connect the **Handpiece Wire Harness** to the **Controller Wire Harness**.
- 12 Feed and connect the 24VDC Power Supply to the Controller (existing Dental Delivery System wire harness may be used). **Respect polarity**. Connect ATC Power Supply to the grounded outlet. Proper connection will be indicated by green LED A on Controller Unit. LED B remains off. **Use only the ATC Power Supply**.
- 13 Perform a System Check and circle results on enclosed Checklist Card.







For installation assistance, call the Midwest<sup>®</sup> Stylus<sup>™</sup> ATC Installation/Technician Helpline at **1.877.794.8357**.  
**ATTENTION! Do not exceed 85 psi inlet pressure to the Midwest<sup>®</sup> Stylus<sup>™</sup> ATC Controller Unit**

## The Midwest<sup>®</sup> Stylus<sup>™</sup> ATC

### Warnings

- The only handpieces compatible with the Midwest<sup>®</sup> Stylus<sup>™</sup> ATC system are the Midwest<sup>®</sup> Stylus<sup>™</sup> ATC 890 mid-sized head (REF 881300) and the Stylus<sup>™</sup> ATC 990 mini-head (REF 882300) High-Speed handpieces.
- The use of incompatible components may result in damage to the incompatible components, and/or damage to the Midwest<sup>®</sup> Stylus<sup>™</sup> ATC system.

### Installation Precautions

- The Midwest<sup>®</sup> Stylus<sup>™</sup> ATC Controller Unit housing is designed to cover all internal components; however internal components are not sealed from liquid immersion or direct spray. **Do not immerse or spray any disinfectant or liquid directly onto the Midwest<sup>®</sup> Stylus<sup>™</sup> ATC Controller Unit. Instead, spray the wipe cloth and wipe down the exterior of the Midwest<sup>®</sup> Stylus<sup>™</sup> ATC Controller Unit.**
- Only use Midwest<sup>®</sup> Stylus<sup>™</sup> ATC Power supply (REF 880200L) with Midwest<sup>®</sup> Stylus<sup>™</sup> ATC Controller Unit.
- The ATC Power Supply is a DC voltage source. **Maintain polarity when splicing ATC Power Supply cord.**
- Verify that drive air pressure requirements can be achieved before completing installation.
- Installing this equipment incorrectly may result in damage to the Midwest<sup>®</sup> Stylus<sup>™</sup> ATC system, handpiece, and/or the dental unit tray.
- In the event of irregular operating noise, excessive vibration or heat generation, immediately discontinue use of the Midwest<sup>®</sup> Stylus<sup>™</sup> ATC system, and contact the manufacturer.

### Device Precautions

- Before operating the Midwest<sup>®</sup> Stylus<sup>™</sup> ATC System, carefully read and follow the Midwest<sup>®</sup> Stylus<sup>™</sup> ATC Installation Guide and Maintenance Instructions.
- **Do not sterilize the Midwest<sup>®</sup> Stylus<sup>™</sup> ATC Controller Unit, coupler or hose.**
- Use only Midwest<sup>®</sup> parts and supplies for maintenance and repair. Failure to do so may void your warranty, can degrade product performance, and may lead to unsafe operation.
- There are no user serviceable items in the Midwest<sup>®</sup> Stylus<sup>™</sup> ATC Controller Unit. Attempting to repair or modify any items within the Controller Unit will void your warranty and can result in unsafe operation.

### Recommended Transport and Storage Conditions

Temperature Range within - 40°F to +158°F (- 40°C to +70°C)  
Relative Humidity Range within 10% to 100%  
Atmospheric Pressure Range 73 to 154 psi (500 to 1060 kPa)

### WARRANTY INFORMATION

#### Limited Warranty

The Midwest<sup>®</sup> Stylus<sup>™</sup> ATC handpiece is guaranteed to be free of defects in materials and workmanship for a period of twenty four (24) months from date of purchase provided that the handpiece has been operated and maintained as prescribed in these instructions and has not been subjected to apparent misuse, abuse or accident (at the discretion of DENTSPLY Professional). The Midwest<sup>®</sup> Stylus<sup>™</sup> ATC Controller Unit, tubing, and



coupler are guaranteed to be free of defects in materials and workmanship for a period of thirty-six (36) months from date of purchase provided that the Stylus ATC Controller Unit, tubing or coupler has been operated and maintained as prescribed in these instructions and has not been subjected to apparent misuse, abuse or accident (at the discretion of DENTSPLY Professional). All questionable, defective, or loose parts must be returned to the distributor, with the Stylus ATC Controller Unit, tubing or coupler and proof of purchase. This warranty excludes bulbs.

**Not following the provided instructions for installation, operation, and maintenance will void your warranty.**

**The enclosed self-addressed Checklist Card must be filled out completely and returned within ten (10) days of installation.**

#### Manufacturer Information Manufactured in the USA by:

DENTSPLY Professional  
A division of DENTSPLY International  
901 West Oakton Street  
Des Plaines, IL 60018-1884 USA  
847.640.4800

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#### Additional Warranty Info:

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. DENTSPLY neither assumes, nor authorizes any person to assume for it, any other liability in connection with the sale or use of its products. DAMAGES ARE LIMITED STRICTLY TO REPAIR OR REPLACEMENT OF PARTS. DENTSPLY EXPRESSLY DISCLAIMS LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCTS.

Claims covered by this warranty will be honored when presented through your DENTSPLY Professional distributor within thirty (30) days from discovery of defect within the applicable warranty period.

Code Number 87148-2010

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