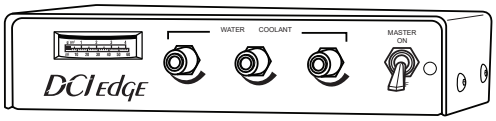
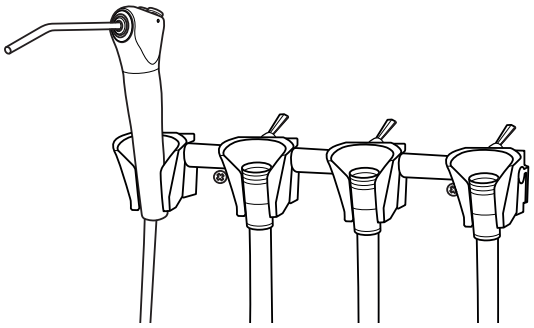
AUTOMATIC PANEL MOUNT UNITS
Installation Instructions

APPLICABLE TO UNIT PN'S: 4415, 4404L, 4404R, 4460

THE FOLLOWING ITEMS ARE CONTAINED IN THIS PACKAGE:





- One automatic panel control unit with handpiece tubings and supply tubings installed
- One 8" holder bar, with two #6 x 3/4" wood screws
- One syringe holder and up to three automatic handpiece holders (mounted on holder bar)
- One standard foot control with wet/dry toggle
- One air/water syringe
- One syringe repair kit
- One 3/32" hex key

YOU WILL NEED THE FOLLOWING ADDITIONAL TOOLS TO INSTALL THE UNIT:

- 1/4" and 1/8" sleeve tool, DCI PN 8060
- Appropriate fasteners for mounting automatic panel mount control
- Screwdriver or other appropriate hand tool for wall fasteners
- 1/4" and 1/8" tubing sleeves

INSTALLATION INSTRUCTIONS

1. Locate the exact position that the panel mount is to be installed and cut out a hole that is 7 1/2" x 1 1/2". There are two pre-drilled mounting holes in the front of the automatic panel mount control. Using appropriate fasteners, mount the automatic panel mount control utilizing the pre-drilled holes.
2. Route the syringe tubing, handpiece tubing and handpiece holder tubing as necessary to reach the mounting location of the automatic panel mount control and holder bar assembly.
3. There are five supply tubings attached to the back of the automatic panel mount control. Route and connect them as follows:
    - 1/8" blue to regulated water in the utility center
    - 1/8" orange to 1/8" gray tubing from the foot control (has 1/8" inline barb on it)
    - 1/8" clear to unregulated air in the utility center
    - 1/8" yellow to barb on cap of master shut-off valves in utility center
    - 1/4" gray to the foot control unribbed (outlet) tubing, has 1/4" inline barb on it
    - Route the ribbed foot control (supply) line to the utility center and connect it to regulated air
4. Select a location for the handpiece holder bar and mount it using the #6 x 3/4" wood screws
5. Open the automatic shut-off valves in the utility center. Adjust regulated air to 80 psi and regulated water to 40 psi. When adjusting for a lower pressure, make the adjustment, and then press the syringe button to relieve the pressure to get an accurate pressure reading.

CONTROL LOCATIONS AND ADJUSTMENTS:

NOTE: Adjustment screws for the syringe are located on the underside of the panel mount control, and the handpiece drive air pressure adjustment screws are located on the top of the Tri-block in the panel mount control. Depending on the mounting location selected, it may be convenient to make these adjustments before mounting the panel mount control. Refer to steps 5 through 7, and to the handpiece manufacturer's instructions.

1. The drive air pressure gauge is on the left front of the automatic panel mount control.
2. The handpiece water coolant flow control valves are located to the right of the drive air pressure gauge.
3. The master on/off toggle valve is located on the right front of the automatic panel mount control.
4. The handpiece water coolant on/off toggle valve is located on the standard foot control.
5. Syringe Adjustments:

   The syringe adjustment screws are located in the back left corner on the underside of the automatic panel mount control. Use the 3/32" hex key provided to make the adjustments. Turn the screws clockwise for less flow, counterclockwise for more flow.

6. Handpiece Drive Air Pressure Adjustments:

   - You will need a small blade screwdriver to make these adjustments.
   - Install a bur in the handpiece to be tested.
   - The master on/off toggle must be in the on position.
   - Place the water coolant on/off toggle on the foot control in the off position (away from the blue dot).
   - Handpiece will operate automatically when removed from the automatic handpiece holder DCI PN 5960.
   - Step on the foot control disc until the handpiece is running at maximum speed.
   - Drive air pressure adjustment screws are located on the top of Tri-block DCI PN 4421, order is facing front of panel, left to right, with #1 being on the left, #2 in the middle and #3 on the right. The handpiece holders are mounted on the holder bar in the same order, with #1 being to the right of the syringe holder.
   - Turn the drive air adjustment screw counterclockwise until the drive air pressure gauge reads a little more than the recommended operating pressure. Then turn the screw until the pressure gauge indicates the recommended operating pressure. Handpiece drive air operating pressures should be adjusted in accordance with the manufacturer's recommendation.
   - Repeat this step for the remaining handpieces.

7. Handpiece Water Coolant Adjustment:

   Place the water coolant on/off toggle on the foot control in the on position (towards the blue dot). Install a bur in the handpiece being adjusted. Press on the foot control disc until the handpiece is running at half operating speed. Adjust the water coolant flow control knob (same order left to right as handpiece positions on mounting bar) until a fine spray is present around the bur. Very little water coolant is required to attain the appropriate spray pattern.

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