



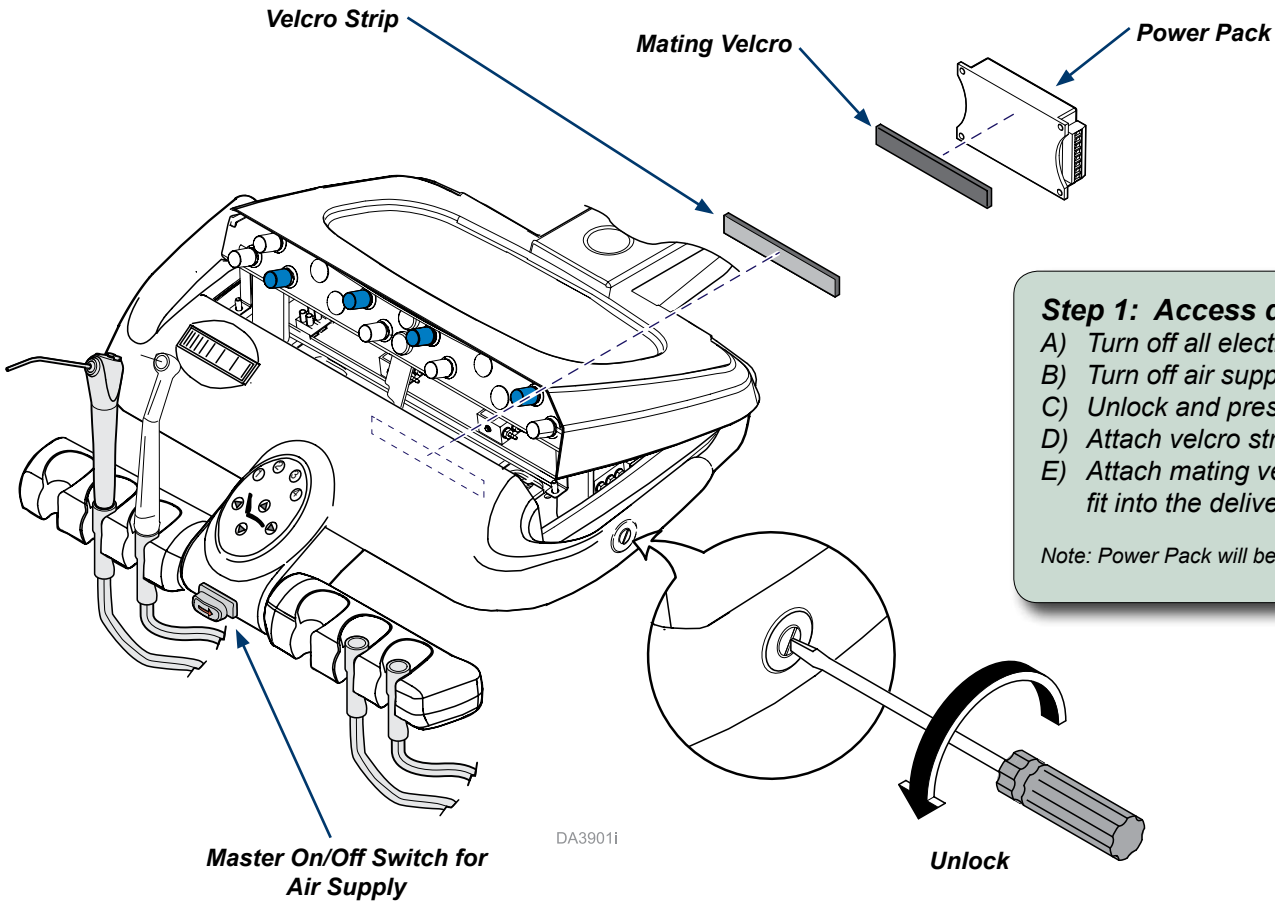
# Handpiece Illumination System Installation [153630 -001 (115VAC) & -003 (230VAC)]

**Contents:**  
 Installation ..... 1  
 Exploded View ..... 4

Language of origin: English

**Note**  
 For installation in Procenter Units mounted on Ultra and Elevance® Chairs.

**Note**  
 If there is an instrument installed where the new handpiece illumination system is being installed, remove from delivery by disconnecting all tubing connections.



- Step 1: Access delivery head connections.**
- A) Turn off all electrical power at the main power source.
  - B) Turn off air supply at master switch.
  - C) Unlock and press button to open delivery unit.
  - D) Attach velcro strip (hook) inside delivery unit in location shown.
  - E) Attach mating velcro (loop) to back of power pack and align to fit into the delivery unit but do not install into delivery yet.
- Note: Power Pack will be installed in delivery after tubing and wire connections are made.

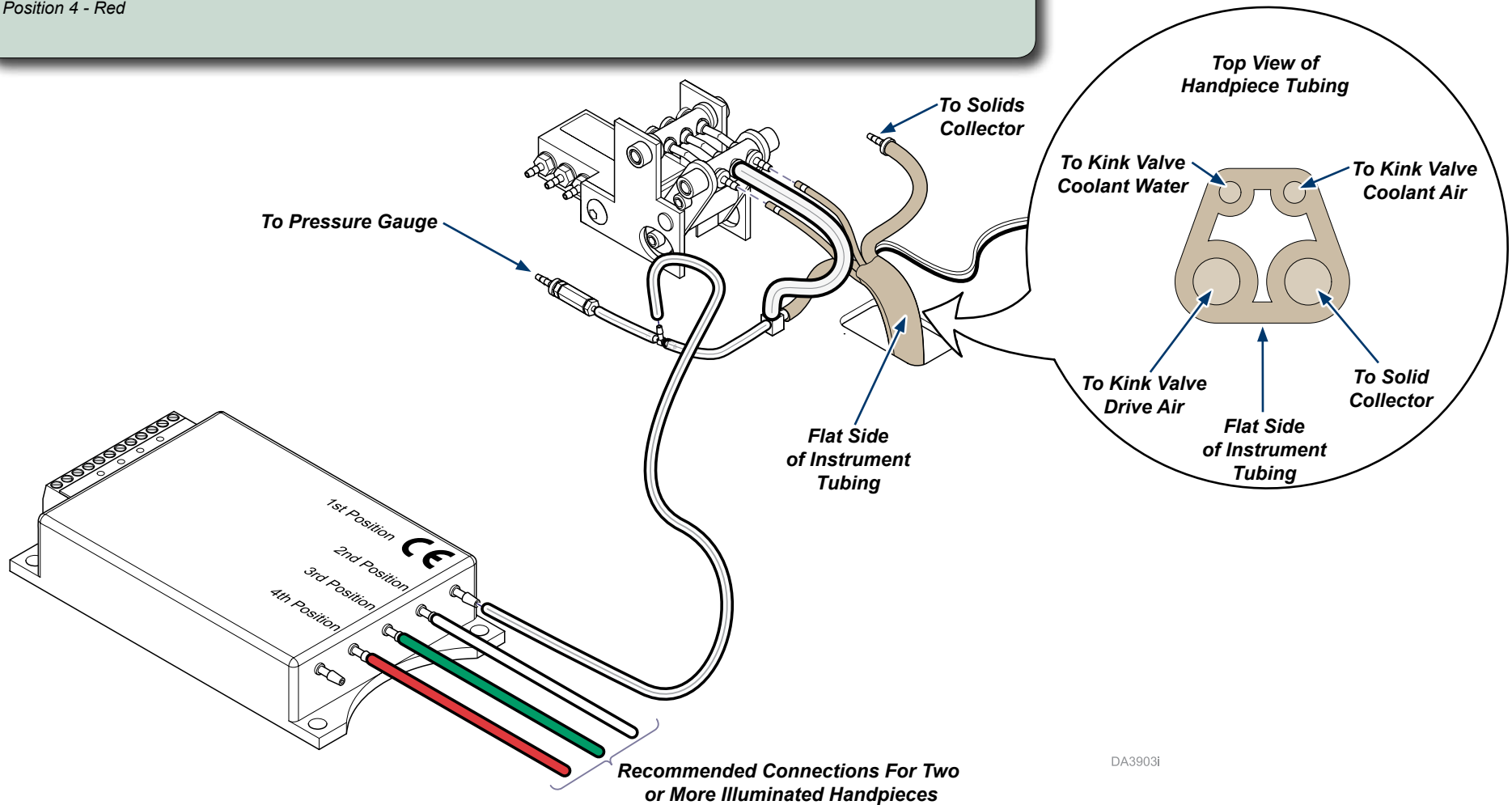
TP201 Rev. A

## Step 2: Connect tubing.

- A) Install instrument tubing into delivery with flat side up.
- B) Connect 1/4" clear tube (from fitting on handpiece tubing) to drive air on kink valve.
- C) Connect 1/8" handpiece tube (right side of drive air) to coolant air on kink valve.
- D) Connect 1/8" handpiece tube (left side of drive air) to coolant water on kink valve.
- E) Connect barbed fitting on handpiece tube to clear tube coming from the solids collector under delivery.
- F) Connect check valve (on end of clear tube with "T") to pressure gauge clear harness.
- G) Connect clear tube sent with kit into clear "T" fitting on instrument tubing.
- H) Connect the other end of clear tube sent with kit to 1st connector on power pack.

Note: For two or more illuminated handpiece connections on the same unit, going left to right while facing front of delivery, use the following recommended tubing colors for the same connections.

Position 1 - Clear  
Position 2 - White  
Position 3 - Green  
Position 4 - Red



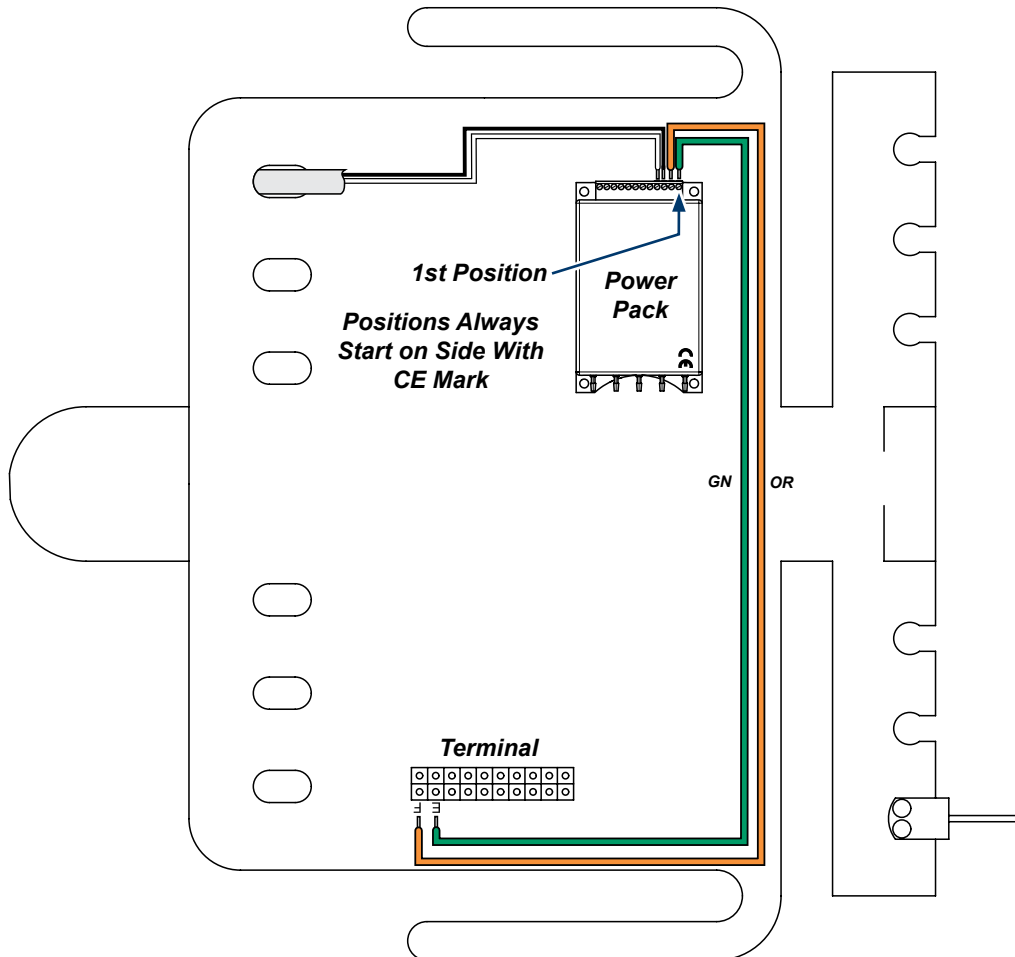
DA3903f

### Step 3: Connect wiring.

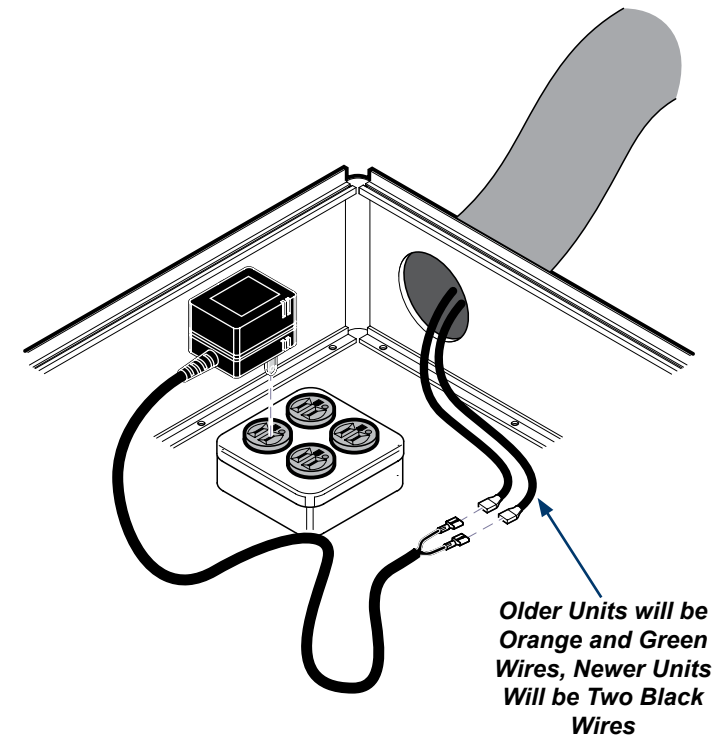
- A) Connect green (1st position) and orange (2nd position) wires to power pack in delivery.
- B) Connect other ends of wires to E (green) and F (orange) positions on terminal in delivery.
- C) Connect black (3rd position) and white (4th position) wires from instrument tubing to power pack in delivery.
- D) Attach power pack to inside of delivery on velcro strip.
- E) Close and lock delivery.
- F) Access J-box connections.
- G) Connect transformer wires to main power wires coming out of umbilical. Plug Transformer into power supply.
- H) Close J-box. Connect power and air supply to chair. Test new instrument. Installation is complete.

Note: Tubing not shown for clarity. For two or more illuminated handpiece installations, continue wiring instrument black and white wires into power pack by installing black wire first then the white wire.

#### Delivery Connections



#### J-Box Connections



DA3904i

a) 153630-001  
b) 153630-003

a) 002-1710-00  
b) 002-1635-00

a) 002-1632-00  
b) 002-10263-00

177118

015-0577-03

015-0577-07

015-1480-00

053-0105-33

053-0131-31

a) 029-2671-00  
b) 029-2680-00

**Kinetics Power Optics Module Kit**

Item	Description	Qty.
1	Kinetics Power Optics Module Kit (includes items 2 thru 10) a) 115 VAC b) 230 VAC	1
2	• Handpiece Tubing a) with Lamp (part of tubing) b) without Lamp (lamp is not part of tubing)	1
3	• Handpiece Illumination System (includes items 4 thru 9) a) for 115V systems b) for 230V systems	1
4	•• Wire, 18 GA, Green / Yellow	1
5	•• Wire, 18 GA, Orange	1
6	•• 1/8" OD Clear Tube	1
7	•• Power Pack	1
8	•• Velcro, Loop	1
9	•• Velcro, Hook	1
10	•• Transformer a) 115 VAC b) 230 VAC	1

TP201 Rev. A

**Serial Numbers / Dates:** all