

MX2+ Dual Digital Electric Handpiece for ProCenter Units (chair mounted)

Motor, No Handpiece Attachment

153900-007

Note

Confirm the desired position to install the MX2+ digital electric handpiece and pre-assemble all possible components before beginning installation.

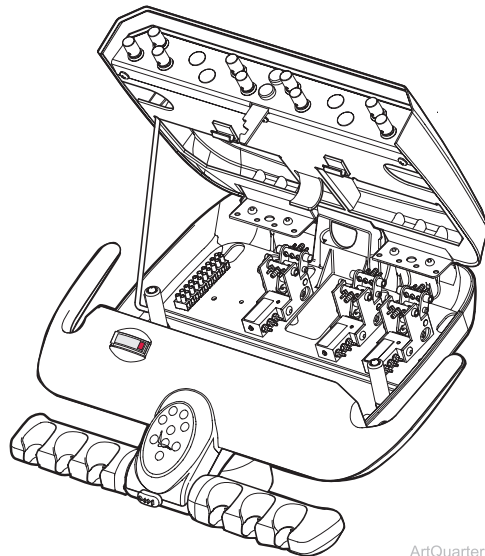


WARNING

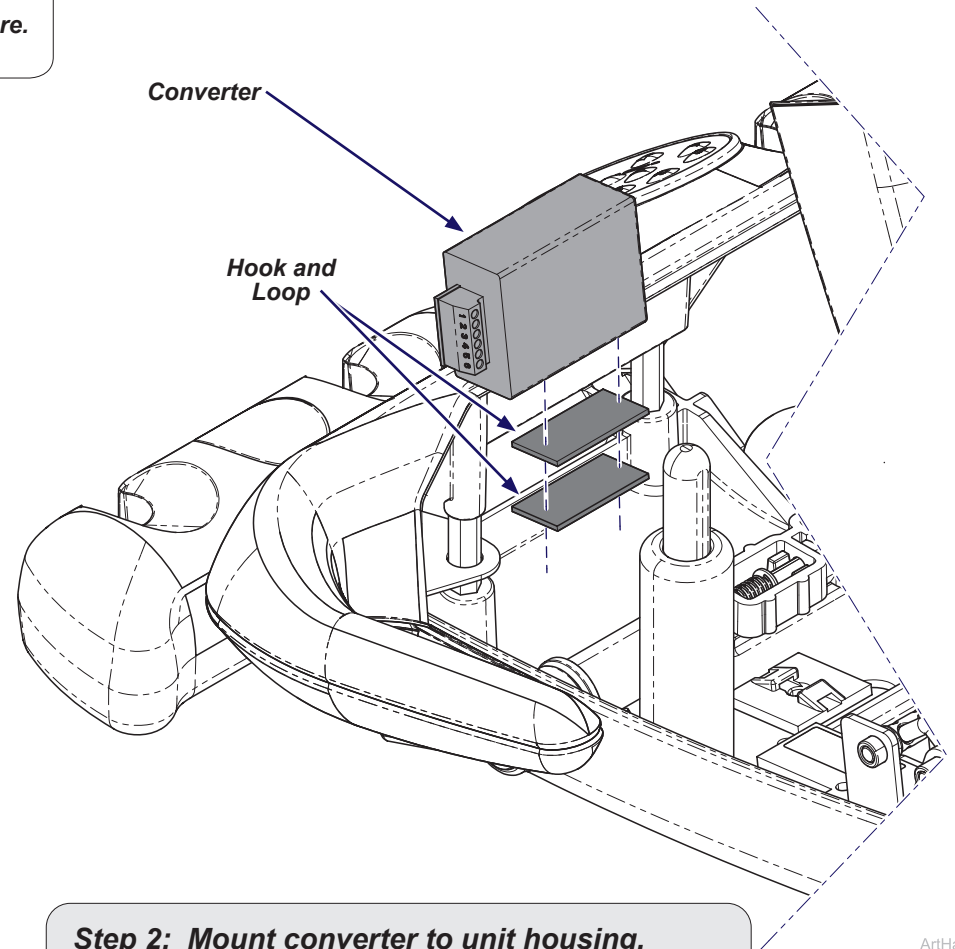
Disconnect power, shut off air and water before performing this procedure.

Step 1: Open delivery unit cover.

- Press release button and lift cover of delivery unit.
- Using lid support, prop cover in fully open position.



ArtQuarter



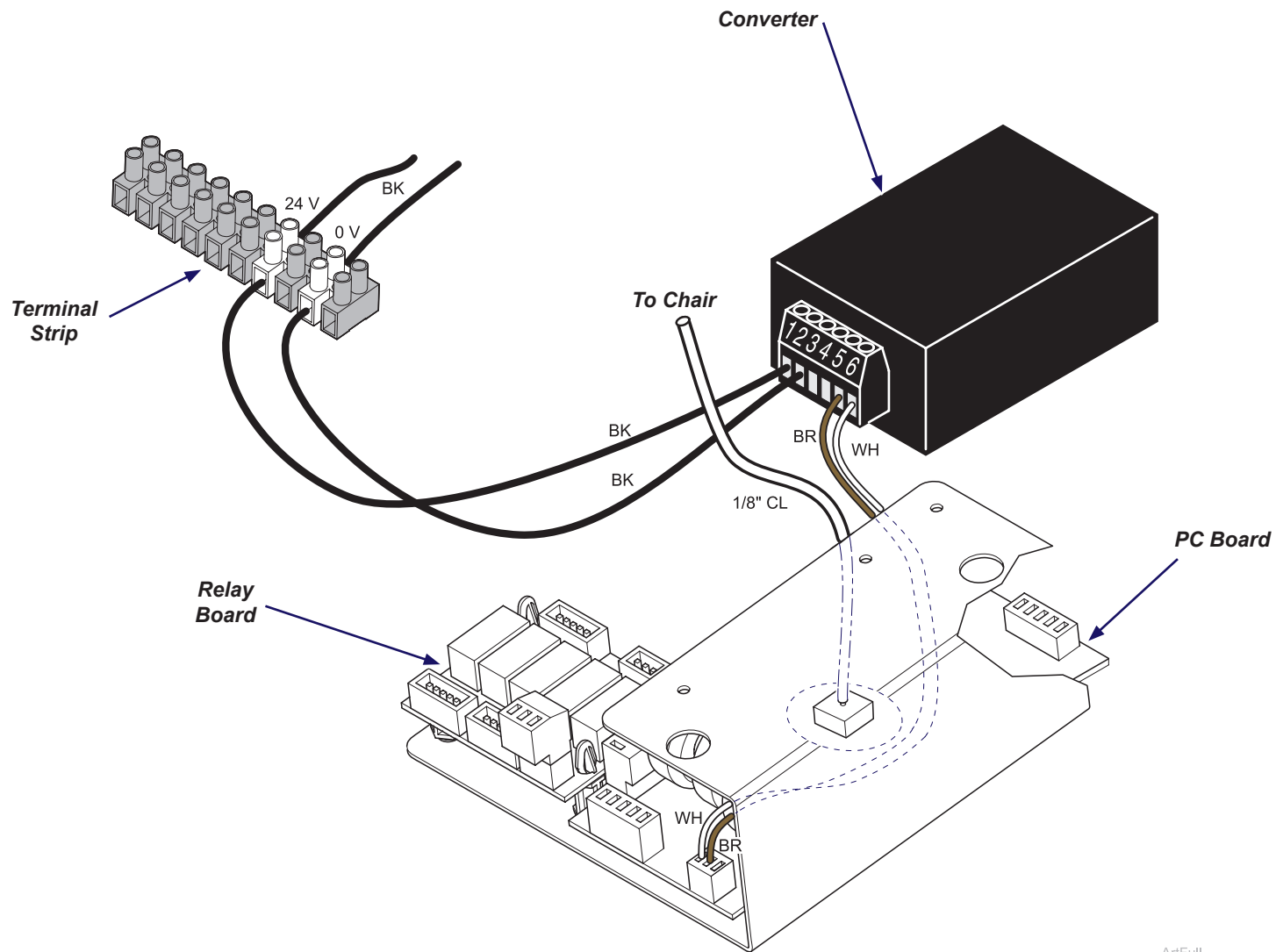
ArtHalf

Step 2: Mount converter to unit housing.

- Apply hook and loop to unit housing and converter.
- Position converter and apply pressure to secure.

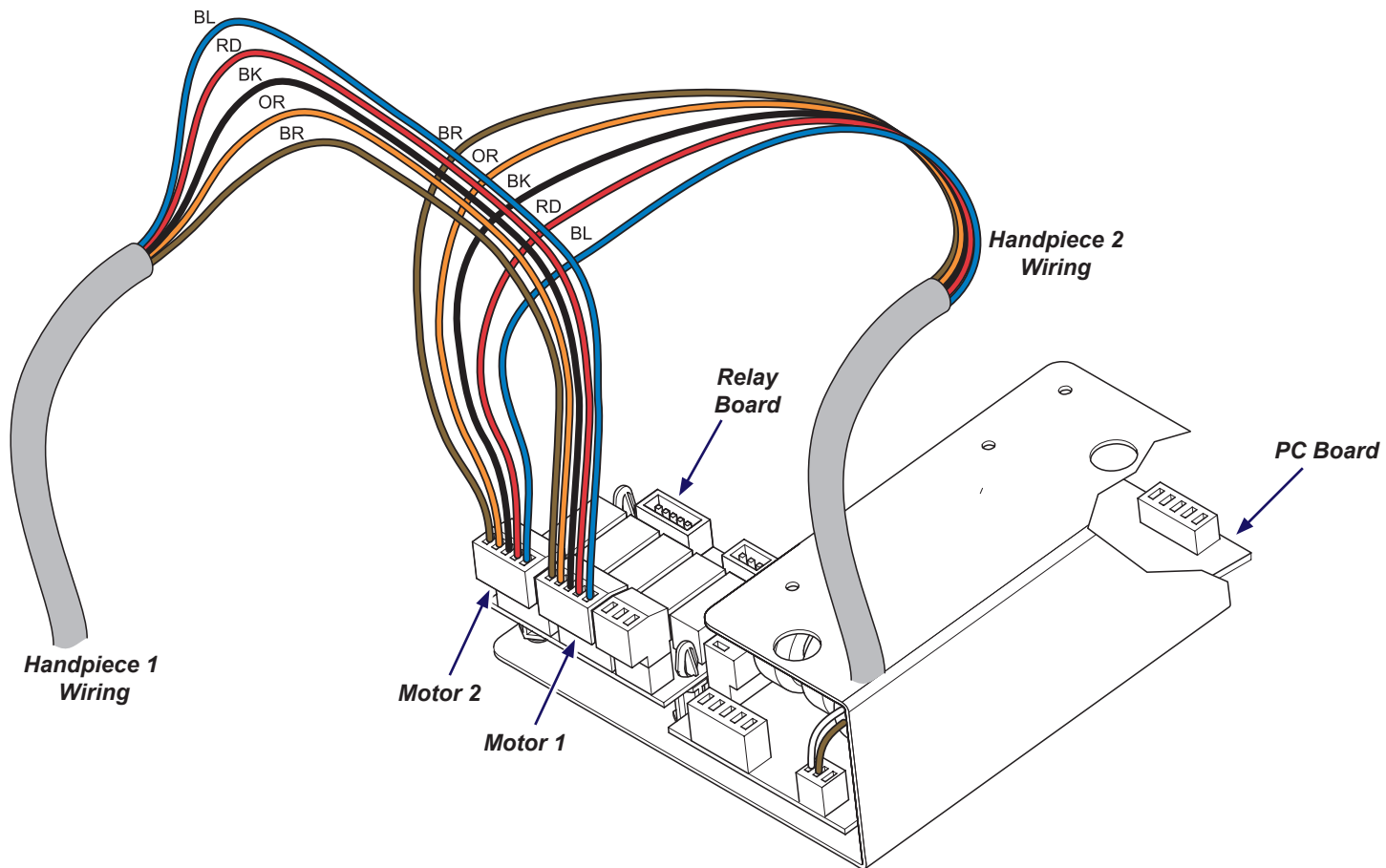
Step 3: Connect converter wiring and clear tubing.

- A) Connect brown and white wires to converter using a small screw driver.
- B) Using a small screw driver, install black wires from converter to terminal strip with any existing wires that are already connected.
- C) Attach clear 1/8" tubing from handpiece tubing (drive air) to PC board.



Step 4: Connect handpiece wiring to relay board.

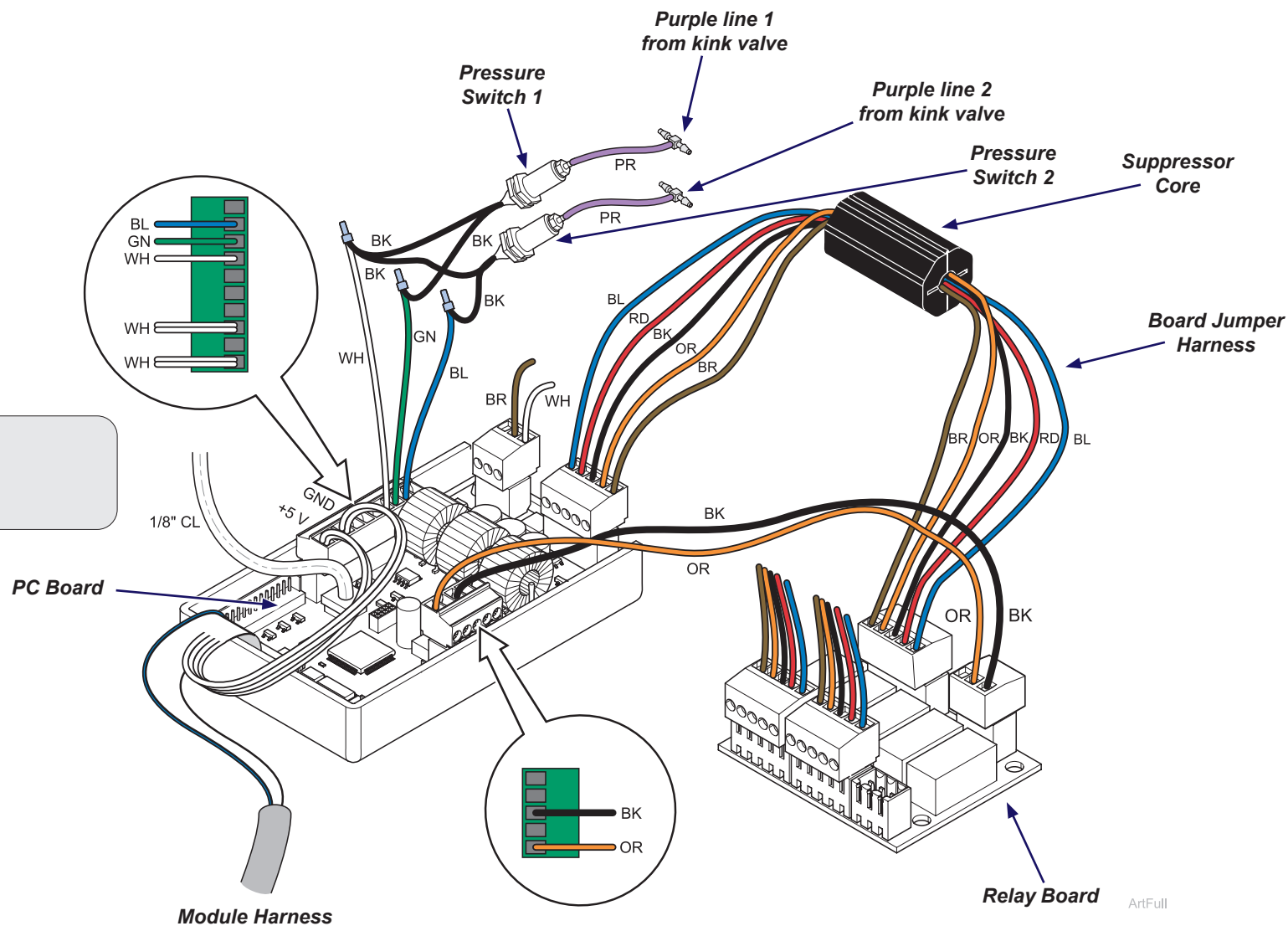
- A) Connect handpiece wiring for motor 1 to relay board as shown.
- B) Connect handpiece wiring for motor 2 to relay board as shown.



ArtFull

Step 5: Install harnesses and wires to PC board / relay board.

- Connect board jumper harness to PC board and relay board as shown.
- Attach connector with orange and black wires from PC board to relay board as shown.
- Connect module harness to PC board as shown.
- Attach module harness wire labeled +5 V and GND to PC board connector as shown.
- Attach black wires from pressure switches to wires from PC board connector as shown. Use wire nut to secure.

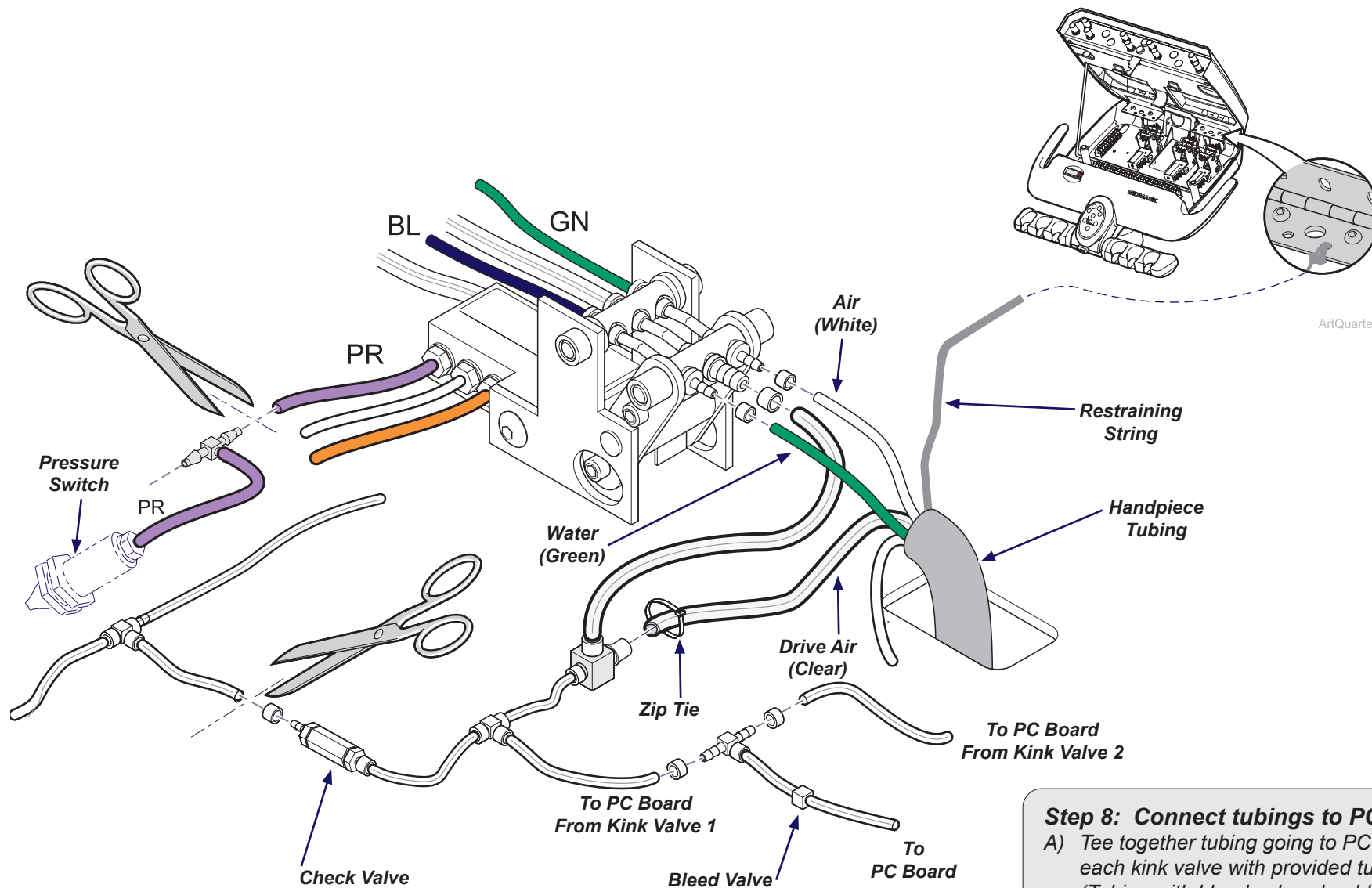


Step 6: Secure PC Board.

- Route wires through opening.
- Secure wires with cable ties.

Step 7: Connect tubing to kink valve.

- A) Connect handpiece tubing to kink valve and tee fitting using uni clamps where shown.
- B) Cut tubing at existing check valve where shown and remove existing tubing and connect new check valve and tubing using uni clamp.
- C) Cut purple tubing and attach to tee from pressure switch.
- D) Tie off restraining string to one of the holes in a hinge.
- E) Repeat process for second tubing.

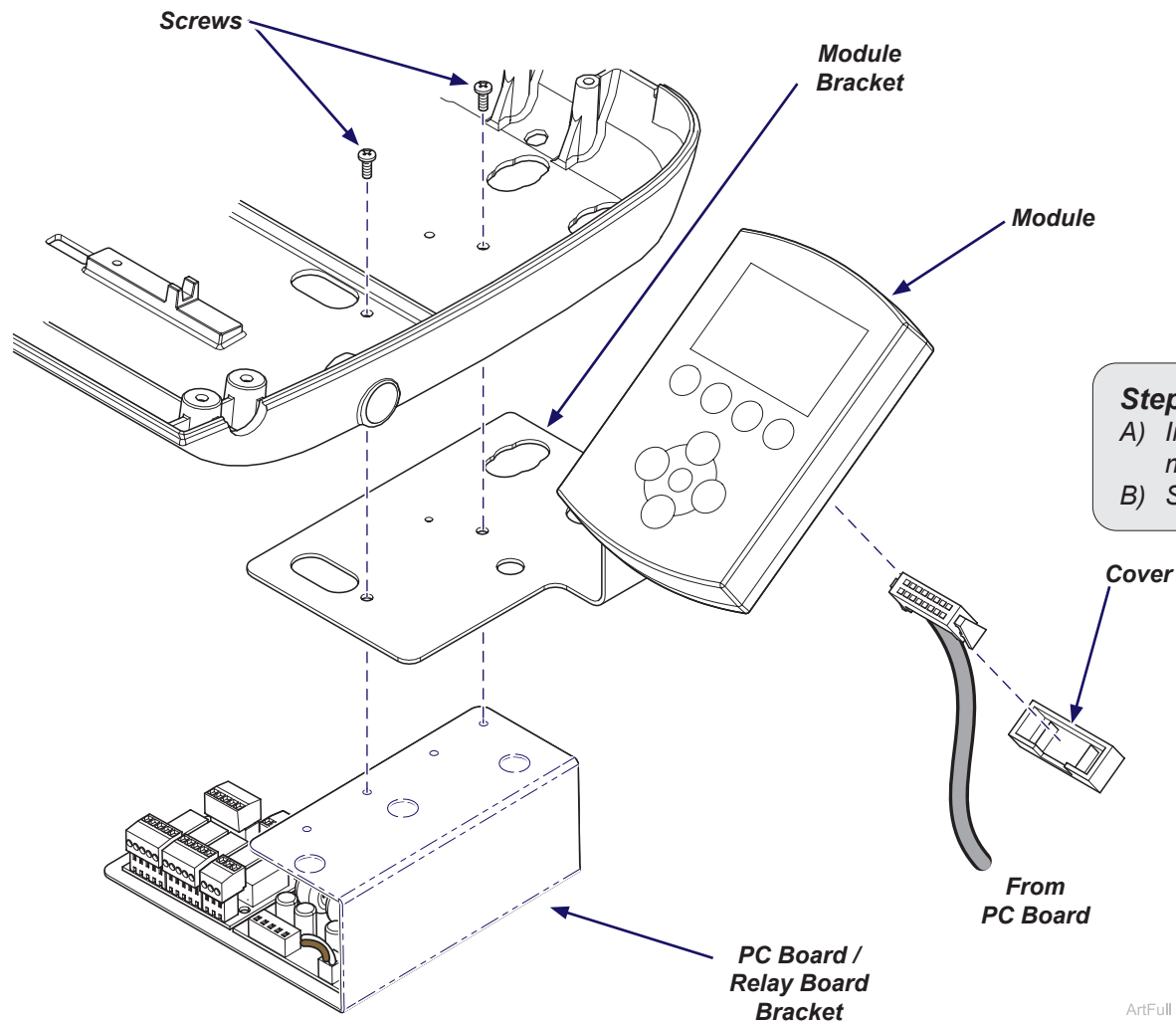


Step 8: Connect tubings to PC board.

- A) Tee together tubings going to PC board from each kink valve with provided tubing. (Tubing with bleed valve should connect to the PC board.)

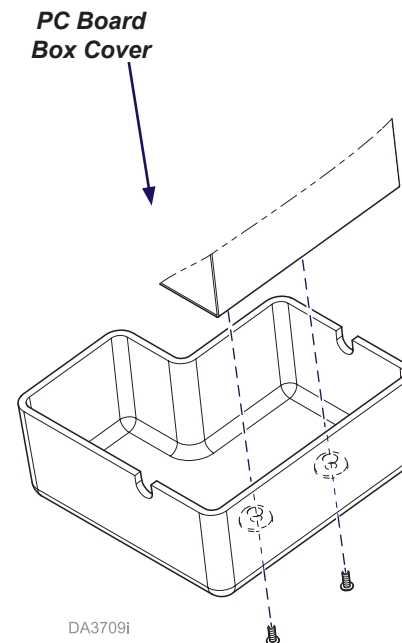
Step 9: Install brackets/Bien-Air module and attach harness.

- A) Place PC board / relay board bracket and module bracket as shown.
- B) Install brackets using two screws through holes in unit housing.
- C) Connect harness to module back and install cover over harness connection.



Step 10: Install PC board / relay board cover.

- A) Install cover over the PC board / relay board mounting bracket.
- B) Secure cover with two screws.



Step 11: Connect power and verify operation.

- A) Connect chair to power supply.
- B) Reference Bien-Air user guide to verify proper dual handpiece set up.
- C) Test handpiece operation.

Color Abbreviation Chart

	Item	Color (English)	Farbe (Deutsch)	Couleur (Français - Europe)	Color (español europeo)	Colore (italiano)	Color (others)
	BK	Black	Schwarz	Noir	Negro	Nero	
	BL	Blue	Blau	Bleu	Azul	Blu	
	BR	Brown	Braun	Marron	Marrón	Marrone	
	CL	Clear	Durchsichtig	Incolore	Transparente	Trasparente	
	GN	Green	Grün	Vert	Verde	Verde	
	GY	Grey	Grau	Gris	Gris	Grigio	
	OR	Orange	Orange	Orange	Naranja	Arancione	
	PR	Purple	Purpur	Pourpre	Morado	Porpora	
	CL/PR	Clear Purple	Durchsichtig Purpur	Incolore Pourpre	Transparente Morado	Trasparente Porpora	
	RD	Red	Rot	Rouge	Rojo	Rosso	
	WH	White	Weiß	Blanc	Blanco	Bianco	
	YL	Yellow	Gelb	Jaune	Amarillo	Giallo	
	PK	Pink	Pink	Rose	Rosa	Rosa	
	TN	Tan	Hellbraun	Fauve	Marrón claro	Tanè (marrone scuro)	
	BK/WH	Black/White	Schwarz / Weiß	Noir / Blanc	Negro / Blanco	Bianco / Nero	
	BL/WH	Blue/White	Blau / Weiß	Bleu / Blanc	Azul / Blanco	Blu / Bianco	
	BR/WH	Brown/White	Braun / Weiß	Marron / Blanc	Marrón / Blanco	Marrone / Bianco	
	CL/BK	Clear / Black	Durchsichtig / Schwarz	Incolore / Noir	Transparente / Negro	Trasparente / Nero	
	GN/WH	Green / White	Grün / Weiß	Vert / Blanc	Verde / Blanco	Verde / Bianco	
	GN/YL	Green / Yellow	Grün / Gelb	Vert / Jaune	Verde / Amarillo	Verde / Giallo	
	OR/WH	Orange / White	Orange / Weiß	Orange / Blanc	Naranja / Blanco	Arancione / Bianco	
	PR/WH	Purple / White	Purpur / Weiß	Pourpre / Blanc	Morado / Blanco	Porpora / Bianco	
	RD/WH	Red / White	Rot / Weiß	Rouge / Blanc	Rojo / Blanco	Rosso / Bianco	
	VI/WH	Violet / White	Violett / Weiß	Violet / Blanc	Violeta / Blanco	Viola / Bianco	
	YL/WH	Yellow / White	Gelb / Weiß	Jaune / Blanc	Amarillo / Blanco	Giallo / Bianco	
	YL/GN	Yellow / Green	Gelb / Grün	Jaune / Vert	Amarillo / Verde	Giallo / Verde	
	YL/BK	Yellow / Black	Gelb / Schwarz	Jaune / Noir	Amarillo / Negro	Giallo / Nero	