

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



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

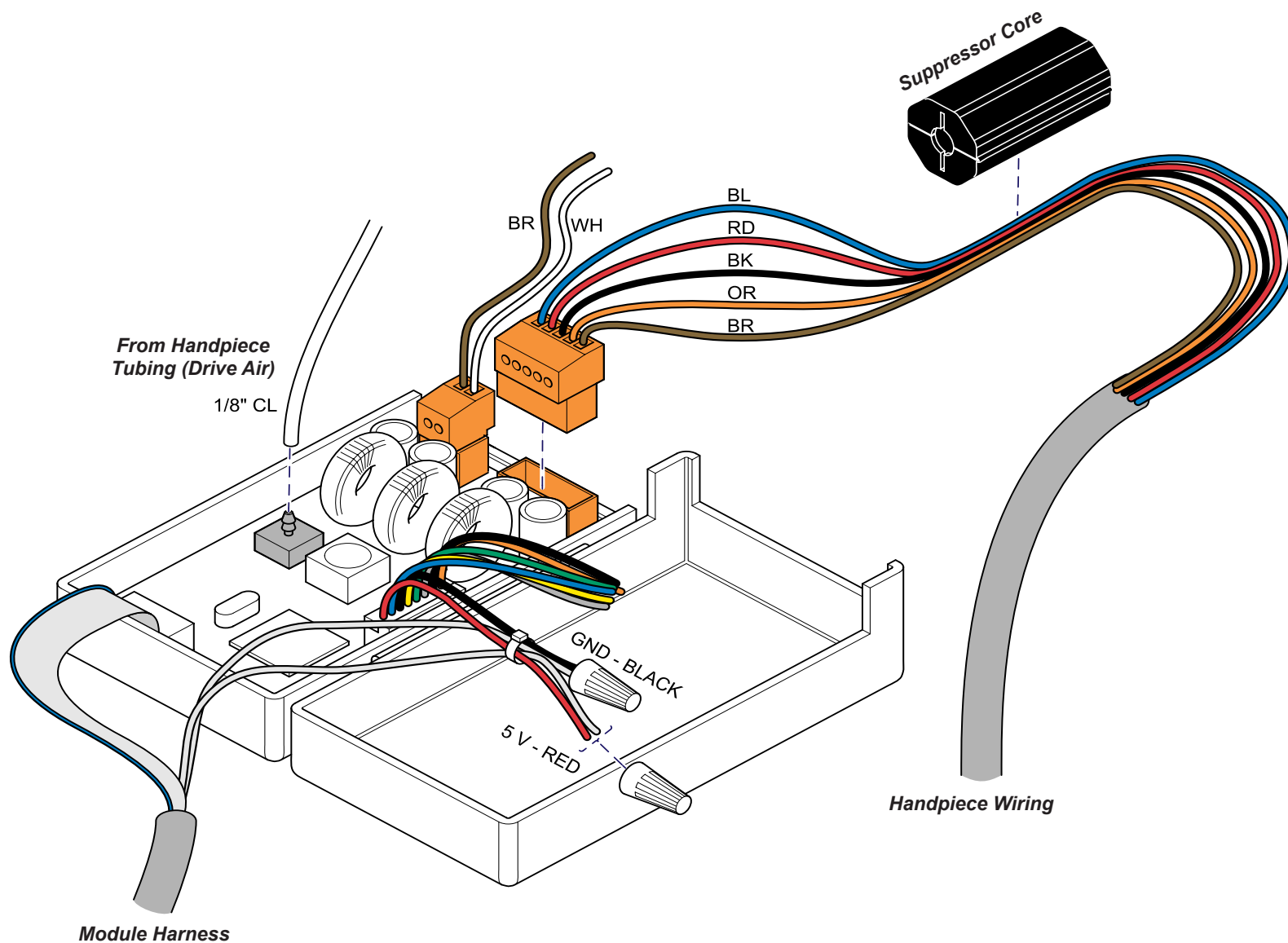


- Remove module harness cover and disconnect harness to module.
- Remove PC board box cover by removing two screws and dispose of cover.
- Remove PC board box bracket and module bracket with module by removing two screws.
- Separate PC board box from PC board box bracket and dispose of bracket.



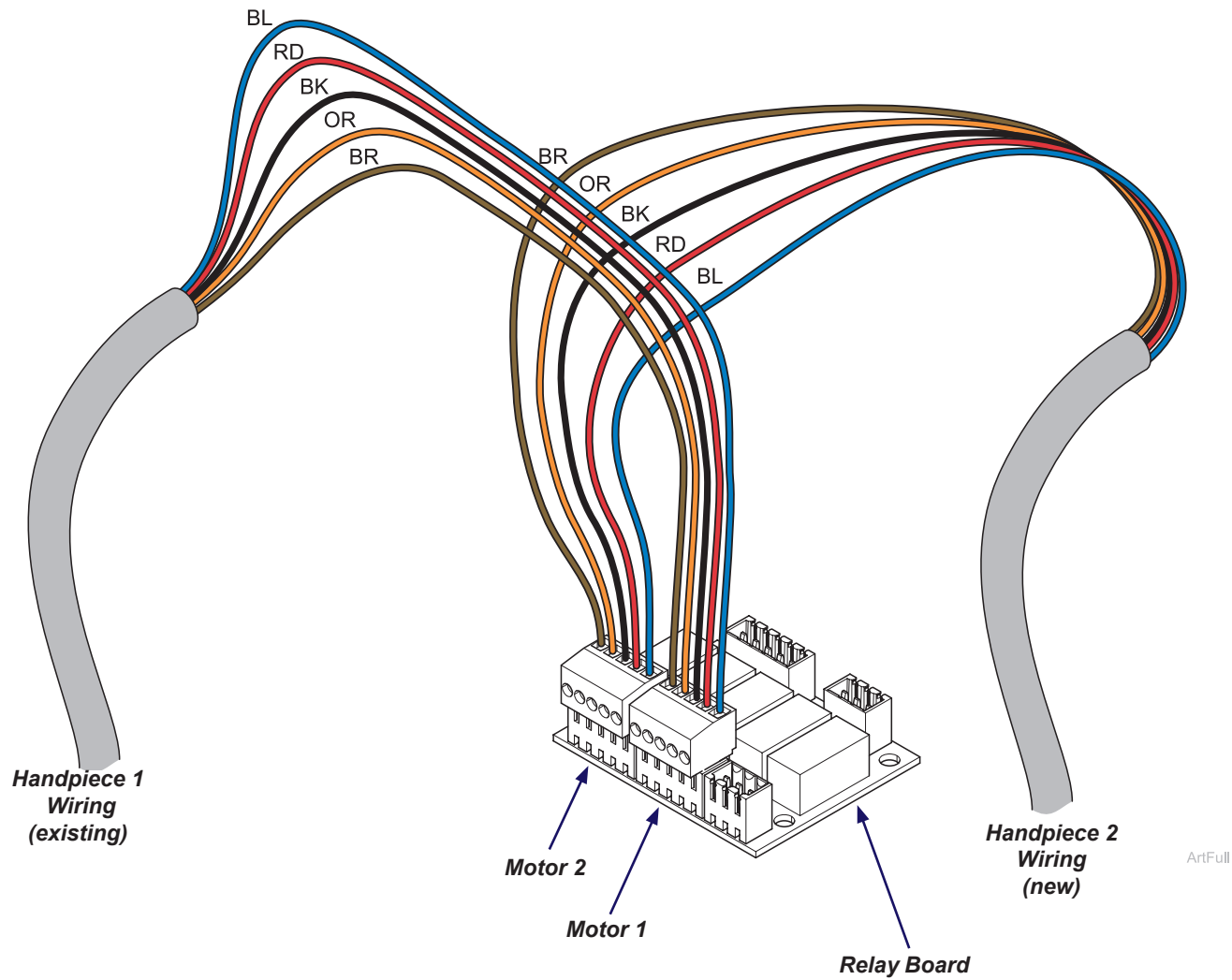
Step 3: Disconnect wiring and clear tubing shown.

- A) Disconnect extension harness from PC board and remove suppressor core.
- B) Remove wire nut connecting 5 V from module harness and red wire from PC board.
- C) Remove clear 1/8" tubing from PC board.



Step 4: Connect handpiece wiring to relay board.

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



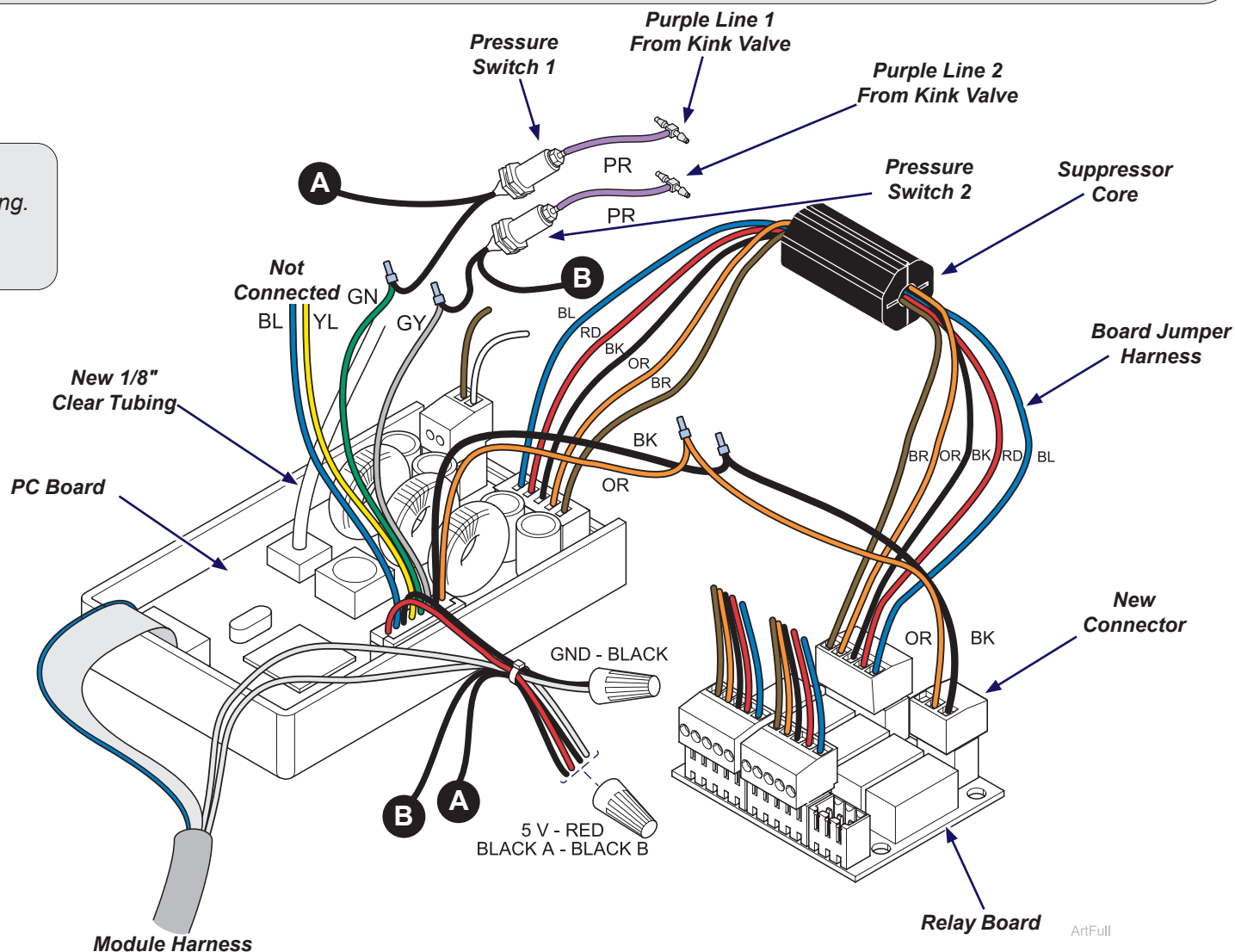
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Step 5: Connect main harness (PCB/relay board).

- A) Connect board jumper harness to PC board and relay board as shown and add the suppressor core removed from original handpiece extension harness.
- B) Attach new connector with orange and black wires to relay board as shown. Then attach these orange and black wires to orange and black wires from PC board by inserting the stripped wire ends into the splice connector and crimping it.
- C) Leave module harness wire labeled GND and black wire from PC board (third pin location) connected with wire nut.
- D) Connect module harness wire labeled 5 V, red wire from PC board, black wire A and black wire B from pressure switches with a wire nut securing all four wires together.
- E) Attach green wire from PC board to black wire from first pressure switch by inserting the stripped wire ends into the splice connector and crimping it.
- F) Attach grey wire from PC board to black wire from second pressure switch by inserting the stripped wire ends into the splice connector and crimping it.
- G) Attach new 1/8" tubing to PC board. Bleed valve is included with new tubing.

Step 6: Secure PC board.

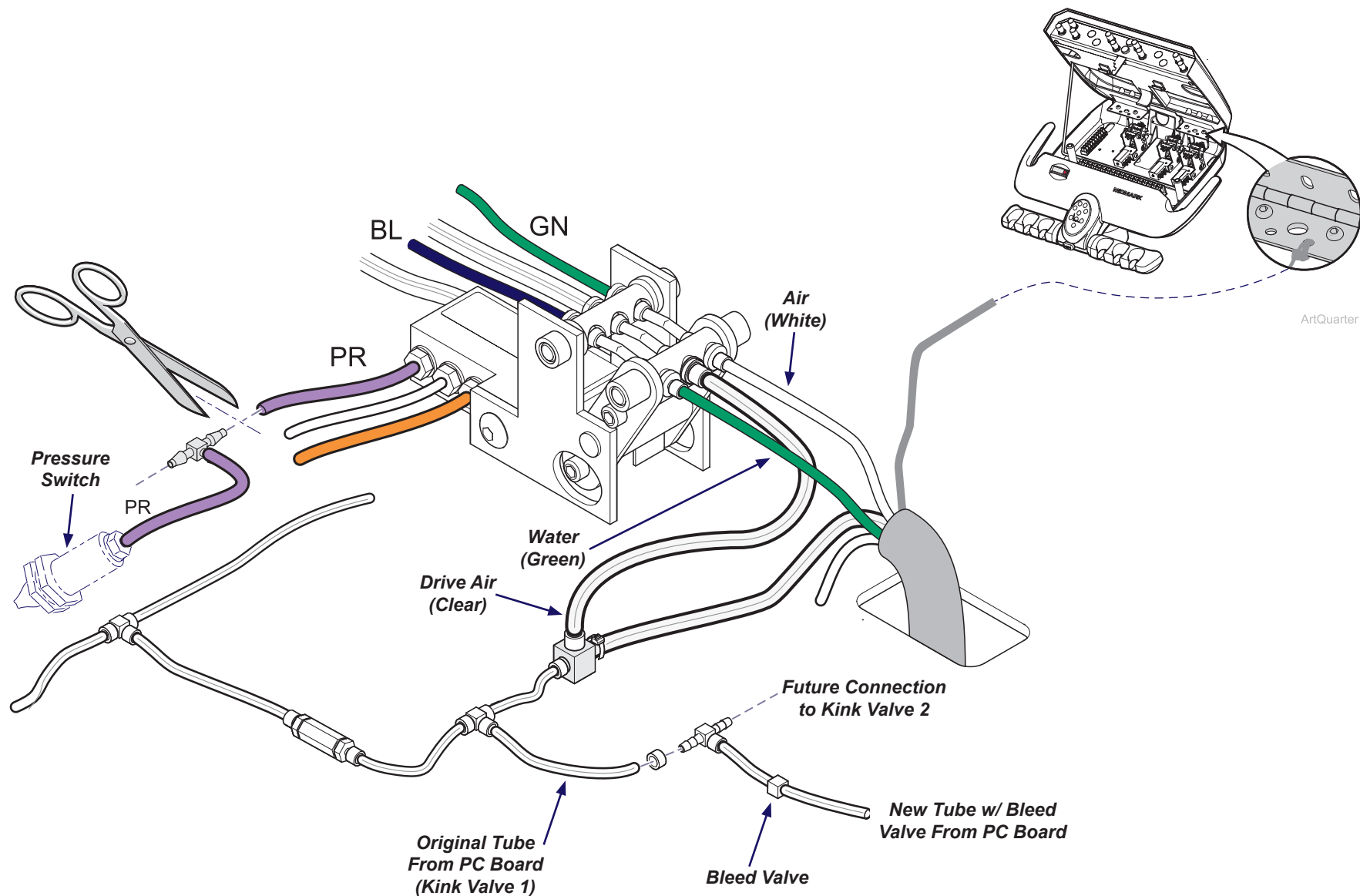
- Route wires through PC board opening.
- Install cover to secure PC board.
- Secure wires with cable ties.



Step 7: Connect additional tubing to existing handpiece kink valve.

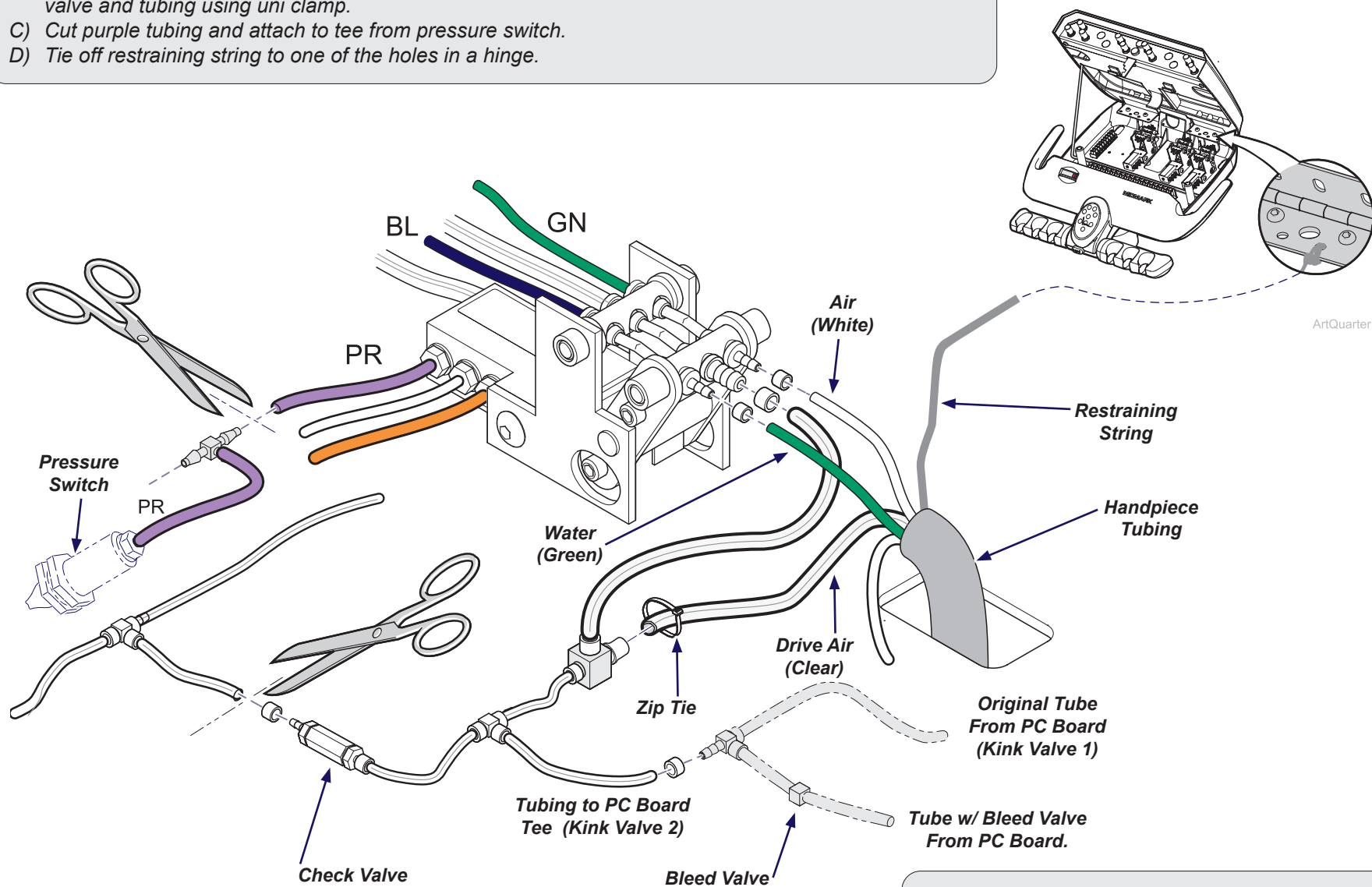
- A) Cut purple tubing and attach to tee from pressure switch. Pressure switch electrical connections shown in previous step.
B) Tee together original tubing removed from PC board to new tubing from PC board with included bleed valve. Tubing from 2nd handpiece kink valve will connect to the other side of the tee.

Note: New tubing with bleed valve must be connected to PC board.



Step 8: Connect tubing to 2nd kink valve.

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

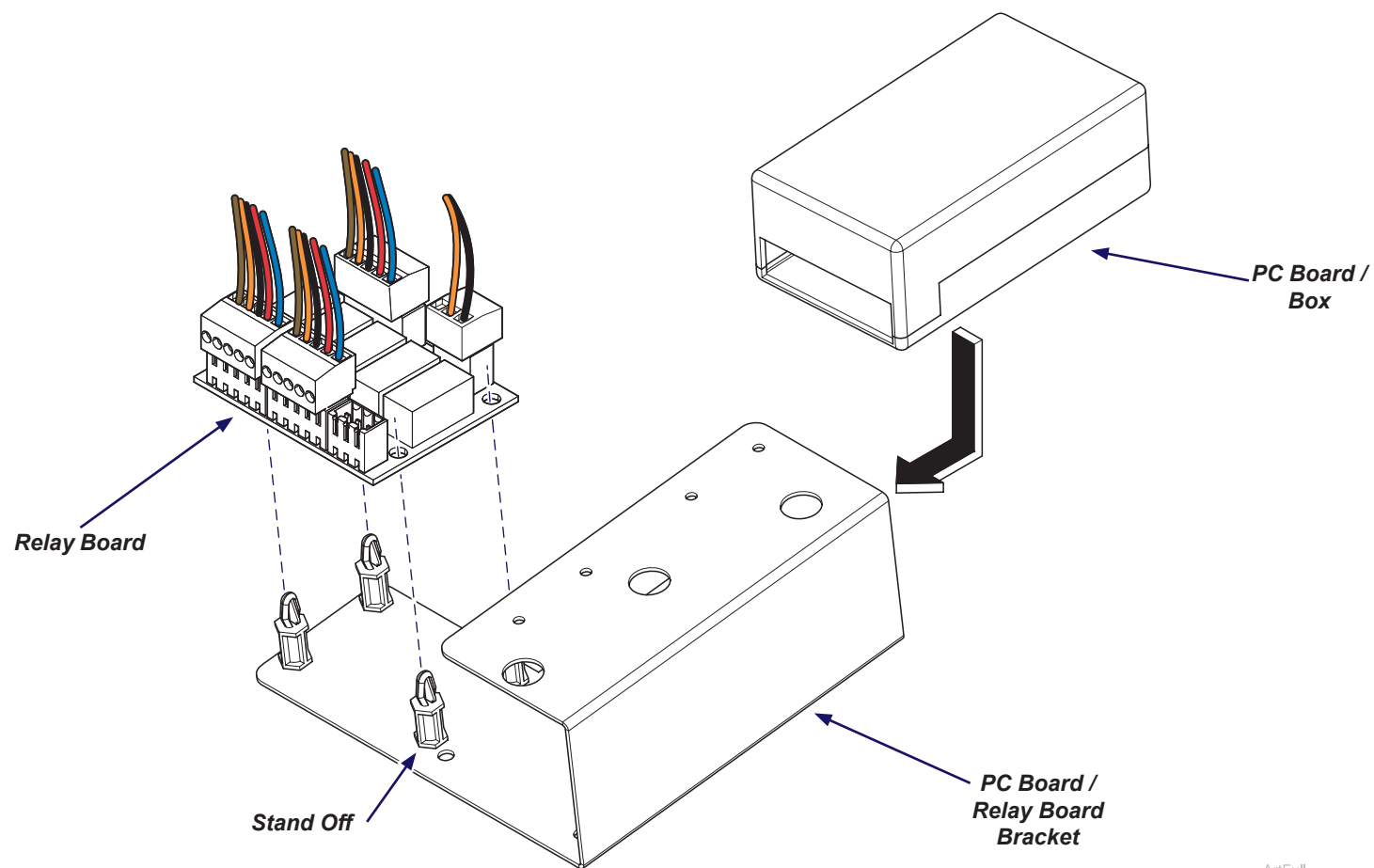


Step 9: Connect tubing to tee going to PC board.

- Connect tubing to tee from PC board installed in previous steps.

Step 10: Install PC board box and relay board into bracket.

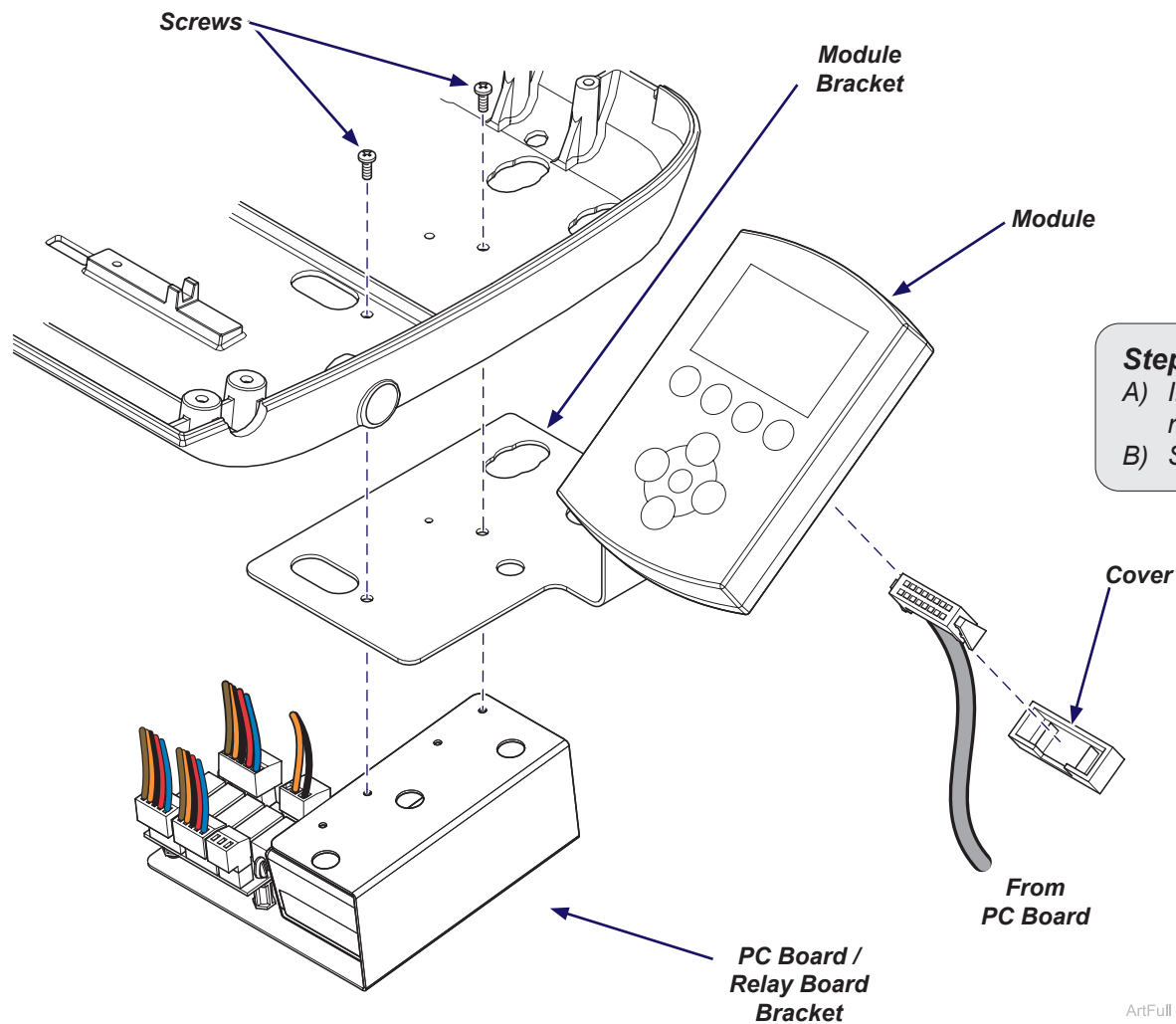
- A) Install PC board box into the PC board / relay board bracket.
- B) Connect relay board to the standoffs on the PC board / relay board bracket.



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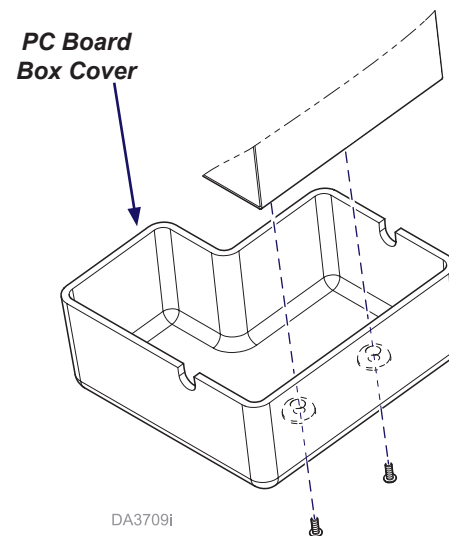
Step 11: Install brackets/Bien-Air module and attach harness.

- A) Install brackets using two screws through holes in unit housing.
- B) Connect harness to module back and install cover over harness connection.



Step 12: Install PC board / relay board cover.

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



Step 13: 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	