MX2+ Digital Electric Handpiece

Procenter Delivery Units (12:00 mounted)

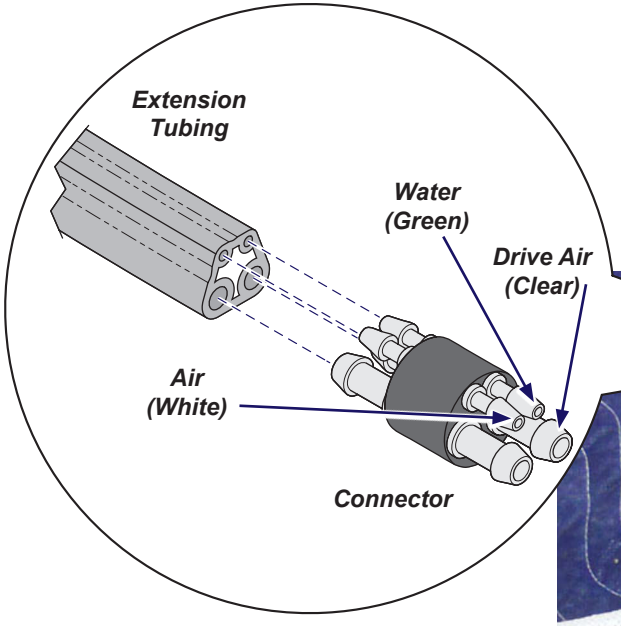
Motor, No Handpiece Attachment *153900-006*

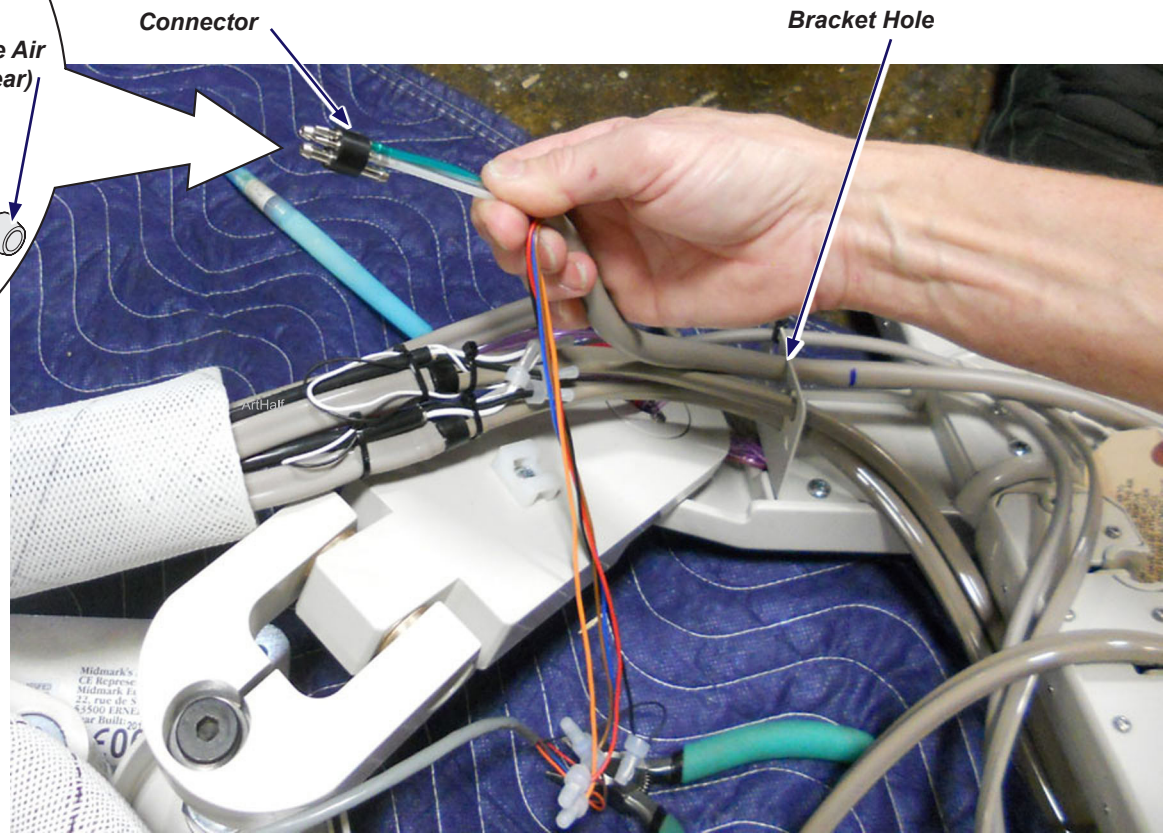
Note

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.





DA3277i

Step 1: Route tubing.

A) Place handpiece tubing and wiring through bracket hole.

Step 2: Install connector to tubing.

A) Install tubing to connector (three connections).

B) Install extension tubing to other side of connector.

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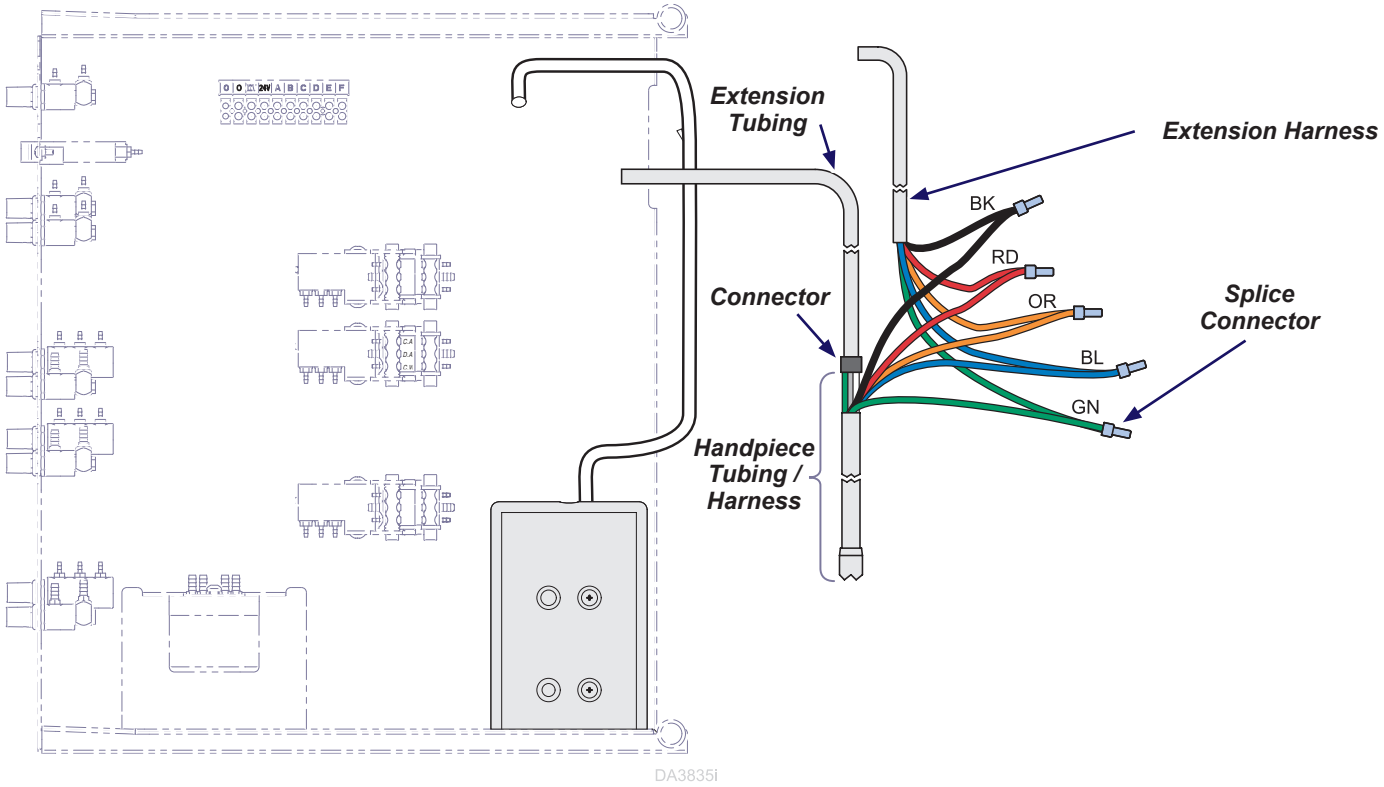
Step 3: Attach extension harness (015-2141-00) to handpiece.

A) Match wire colors and attach them together by inserting the stripped wire ends into the splice connector and crimping it.

B) Tug on wires to make sure connection is tight.



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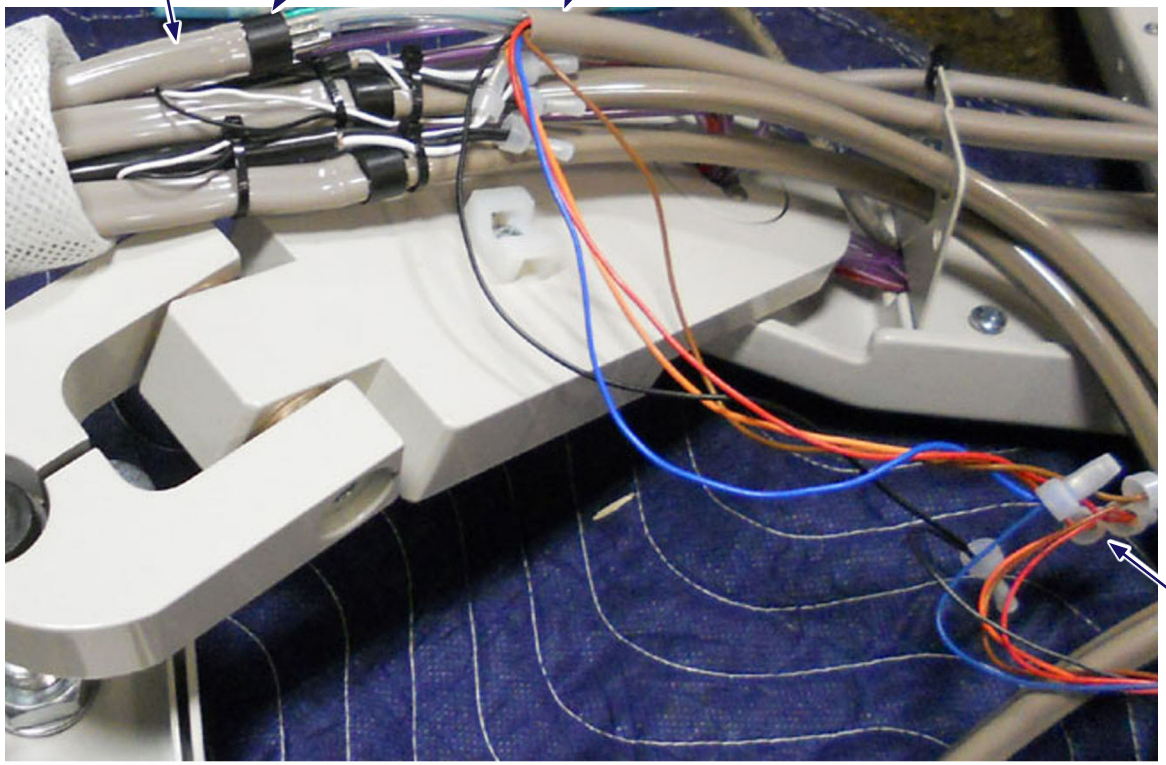
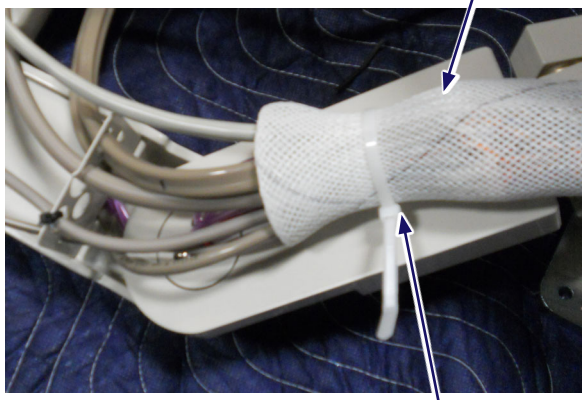
Step 4: Route wiring.

A) Route extension harness, tubing and module harness through harness sleeve to PTC unit.

B) Secure loose wiring with cable ties.



DA3278i



DA3279i

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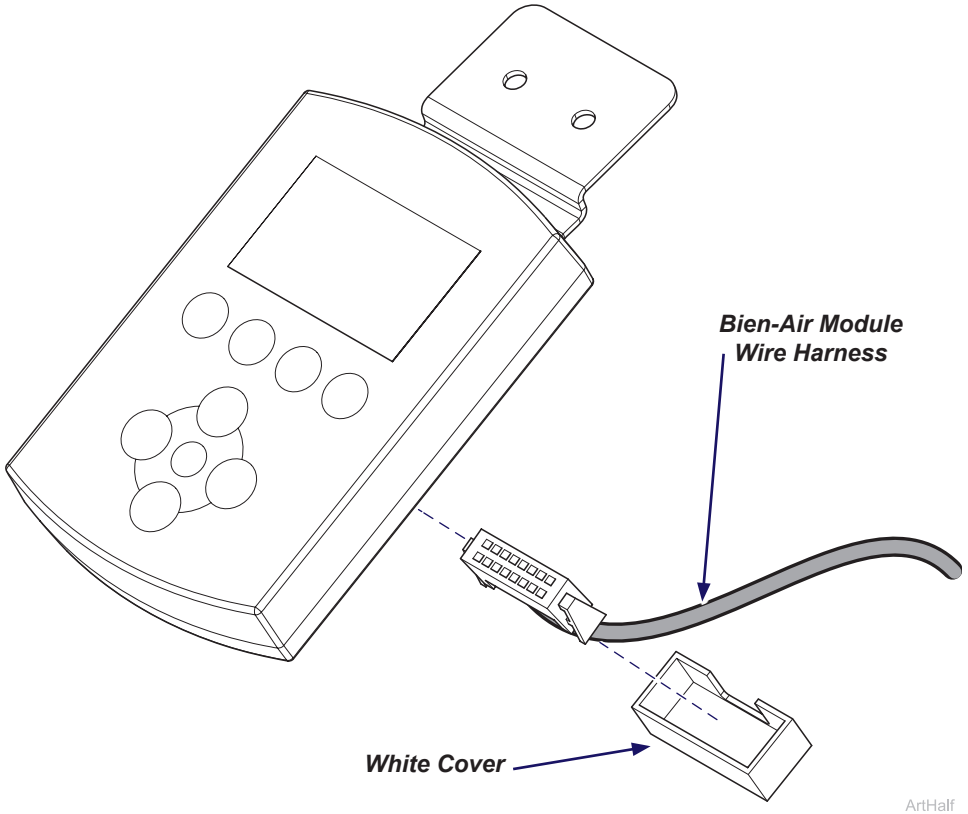
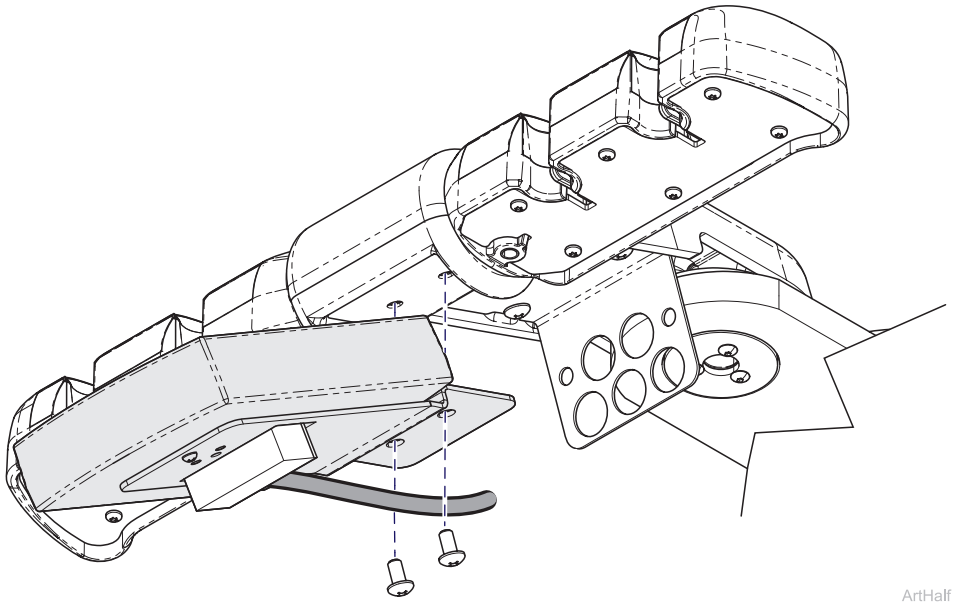
Step 5: Attach harness and mount Bien-Air module.

A) Route grey Bien-Air module wire harness through unit.
B) Make necessary wire connection.
C) Secure white cover at wire connection.
D) Attach Bien-Air module to unit using existing two screws.





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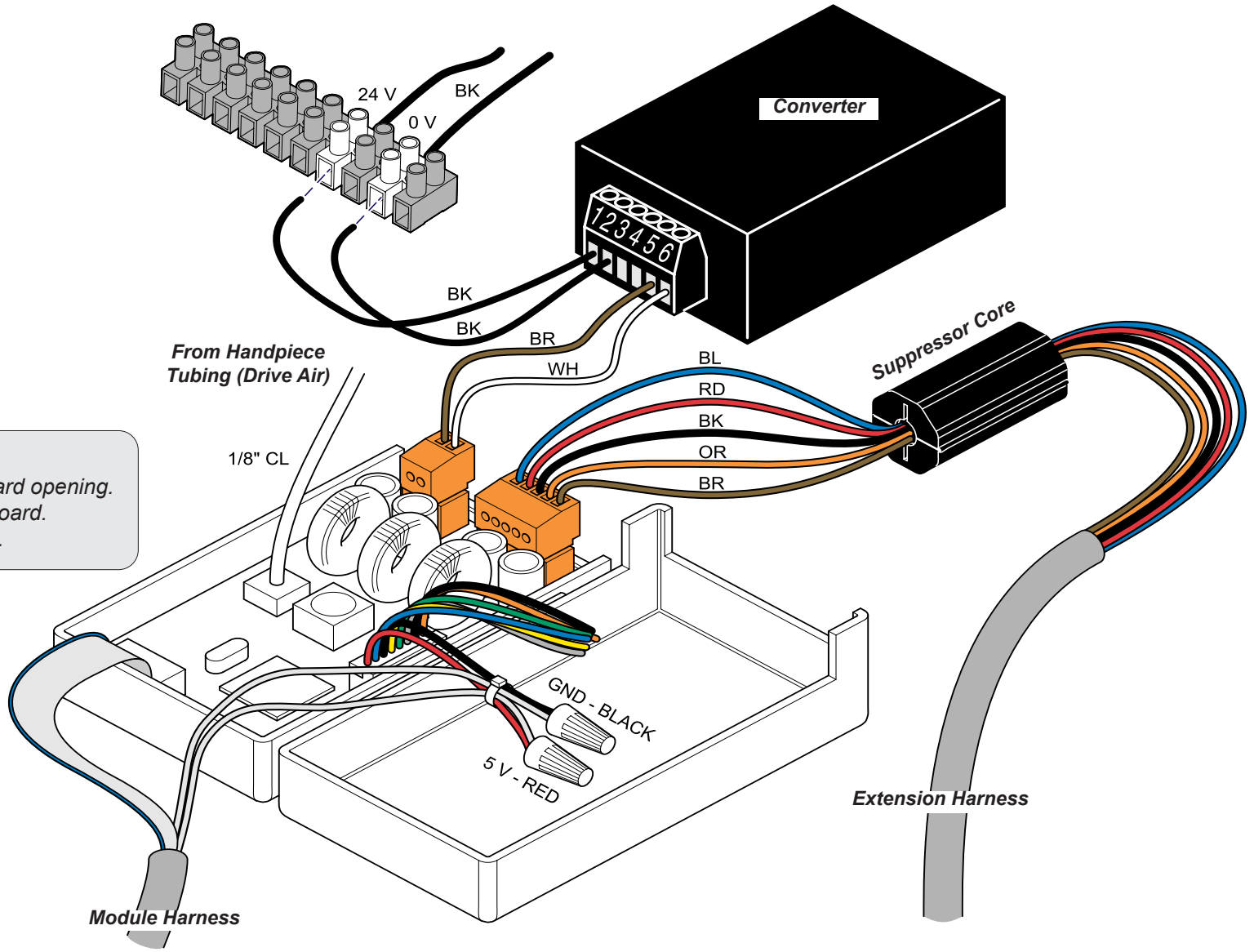
Step 6: Install harnesses and wires to PC board, converter and terminal strip.

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) Connect extension harness (orange connector) to PC board as shown.
D) Attach clear 1/8" tubing from handpiece tubing (drive air) to PC board.
E) Attach suppressor core as shown.
F) Connect module harness to PC board as shown.
G) Attach module harness wire labeled 5 v to red wire from PC board and module harness wire labeled GND to black from PC board wire in the third pin location using wire nuts as shown.

Step 7: Secure PC Board.

A) Route wires through PC Board opening.
B) Install cover to secure PC Board.
C) Secure wires with cable ties.



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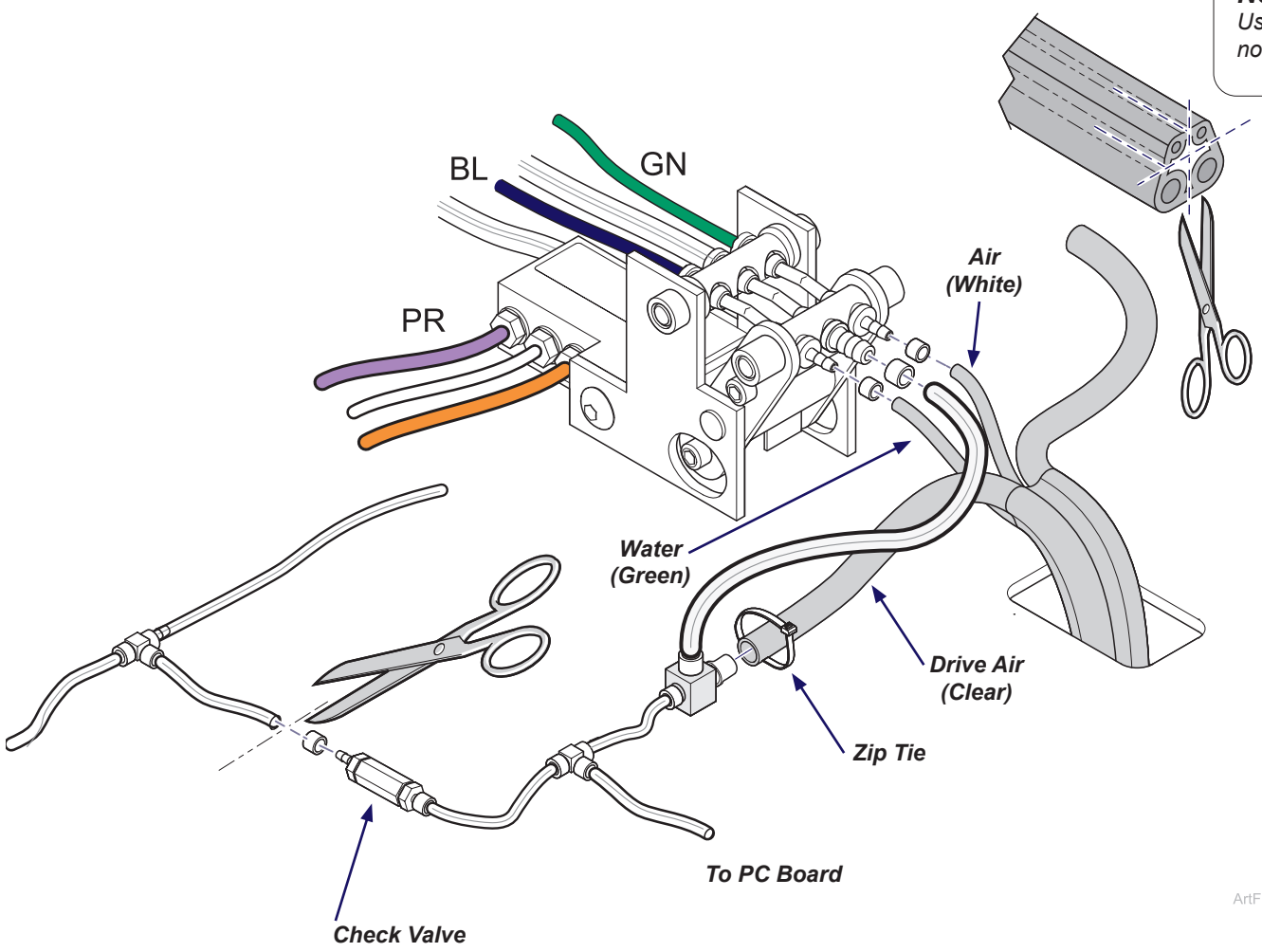
Step 8: Connect tubing to kink valve.

A) Cut end of tubing as shown and connect to kink valve and tee fitting using uni clamps where shown. (Tubing colors refer to where the extension tubing is attached to the handpiece tubing shown in previous steps.)

B) Cut tubing at existing check valve where shown and remove existing tubing and connect new check valve and tubing using uni clamp.

Note

Use care cutting the end of the tubing so that none of the integrated tubes are damaged.



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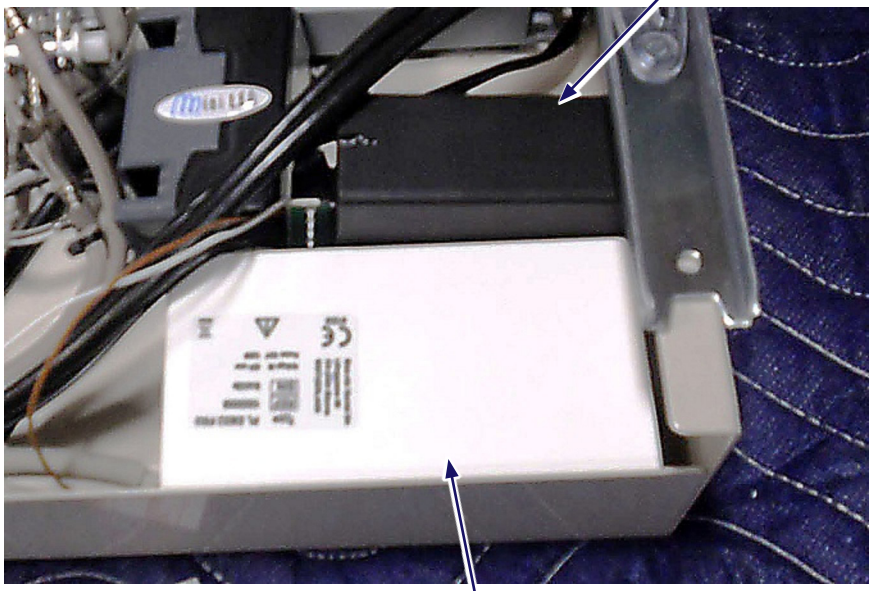
Step 9: Install converter/PC board box.

A) Install hook and loop strips to side of converter and bottom of PC board then to delivery unit housing.

B) Install the PC board box as shown.



DA3280i

Step 10: Complete wire routing.

A) Secure loose wiring in delivery unit housing by looping wires and using cable ties.

B) Install all previously removed cable ties on wire harness/sleeve.

DA3284i

Step 11: Connect power and verify operation.

A) Connect chair to power supply.

B) Reference Bien-Air user guide to verify proper set up.

C) Test handpiece operation.

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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	

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