



# Satelec Scaler Accessory Replacement Kit Installation Guide (for Elevance® Standard and Continental-Style Delivery Units)

## Note

Use this kit to REPLACE an existing Handpiece with the Satelec Scaler. Only *one* scaler of any style can be integrated with the delivery unit controls.

## Accessory Kit Numbers:

For Standard Units:

153961-003 ..... Satelec Scaler

153961-004 ..... Satelec Scaler with LED

For Continental-Style Units:

153962-003 ..... Satelec Scaler

153962-004 ..... Satelec Scaler with LED

Language of origin: English



## Equipment Alert

The Satelec scaler accessory is manufactured by ACTEON North America. Refer to ACTEON's literature for detailed information on Operation, Maintenance, Service, Troubleshooting, Warranty and to order replacement parts. For additional information go to: [www.acteonsupport.com](http://www.acteonsupport.com).

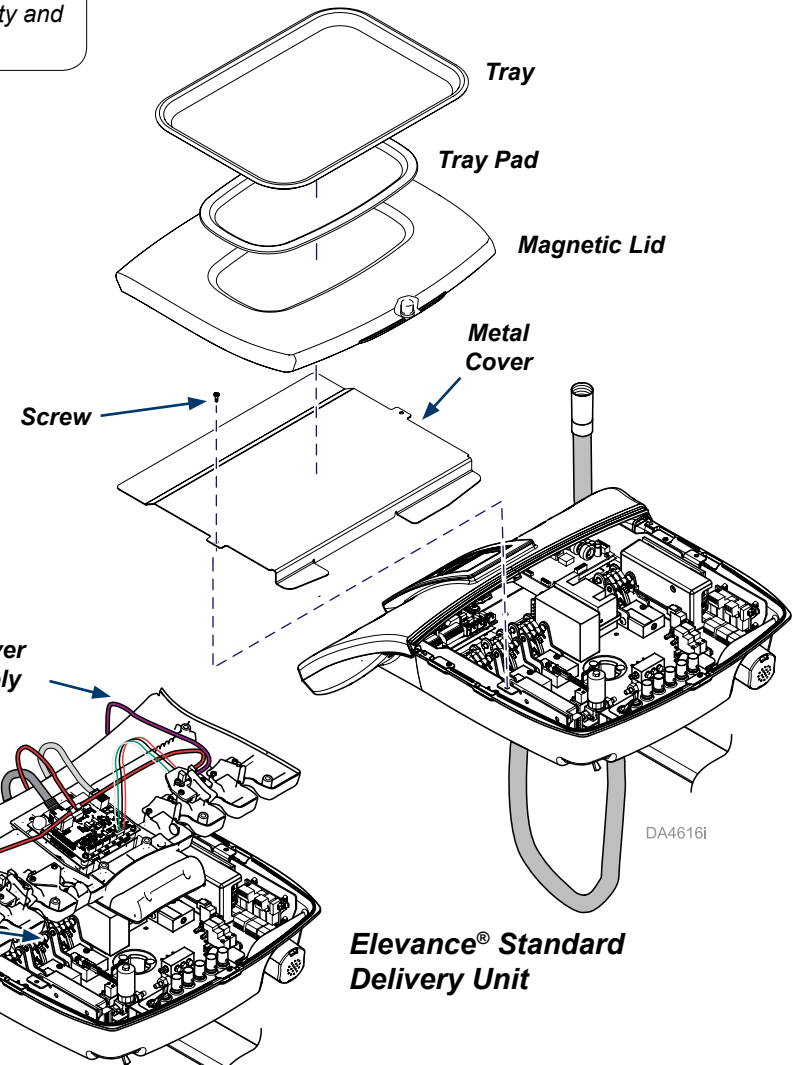
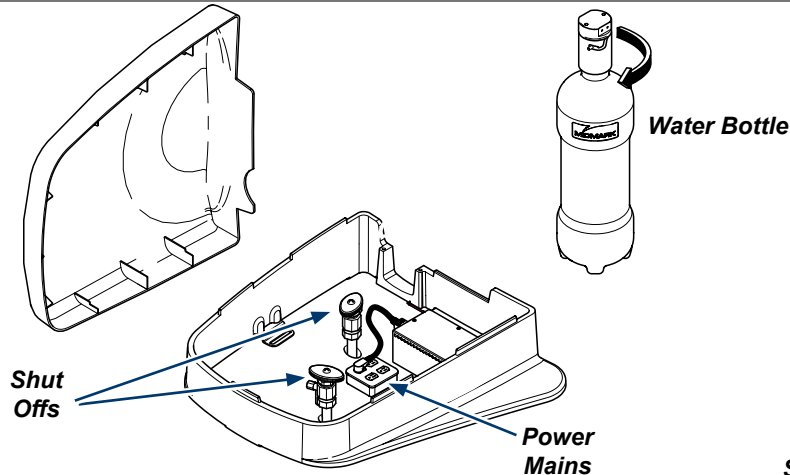


## WARNING

Always disconnect power from electrical mains before removing any covers. Failure to do so may result in personal injury.

## Step 1: Remove trays and covers to access delivery unit.

- A) Turn off air and water using the Shut Offs in the J-Box.
- B) Unplug Power Supply from electrical mains in the J-Box.
- C) Turn Water Bottle CCW to release the air pressure in the water tubing.
- See page 2 for Elevance® Continental-Style Delivery Unit cover removal
- D) Remove, Tray, Pad, and Magnetic Lid.
- E) Remove two screws and lift off the Metal Cover.
- F) Remove handpieces from holders (allow them to hang) and remove eight screws so you can position the Top Cover Assembly in an out of the way location (leave tubing and wiring connected).





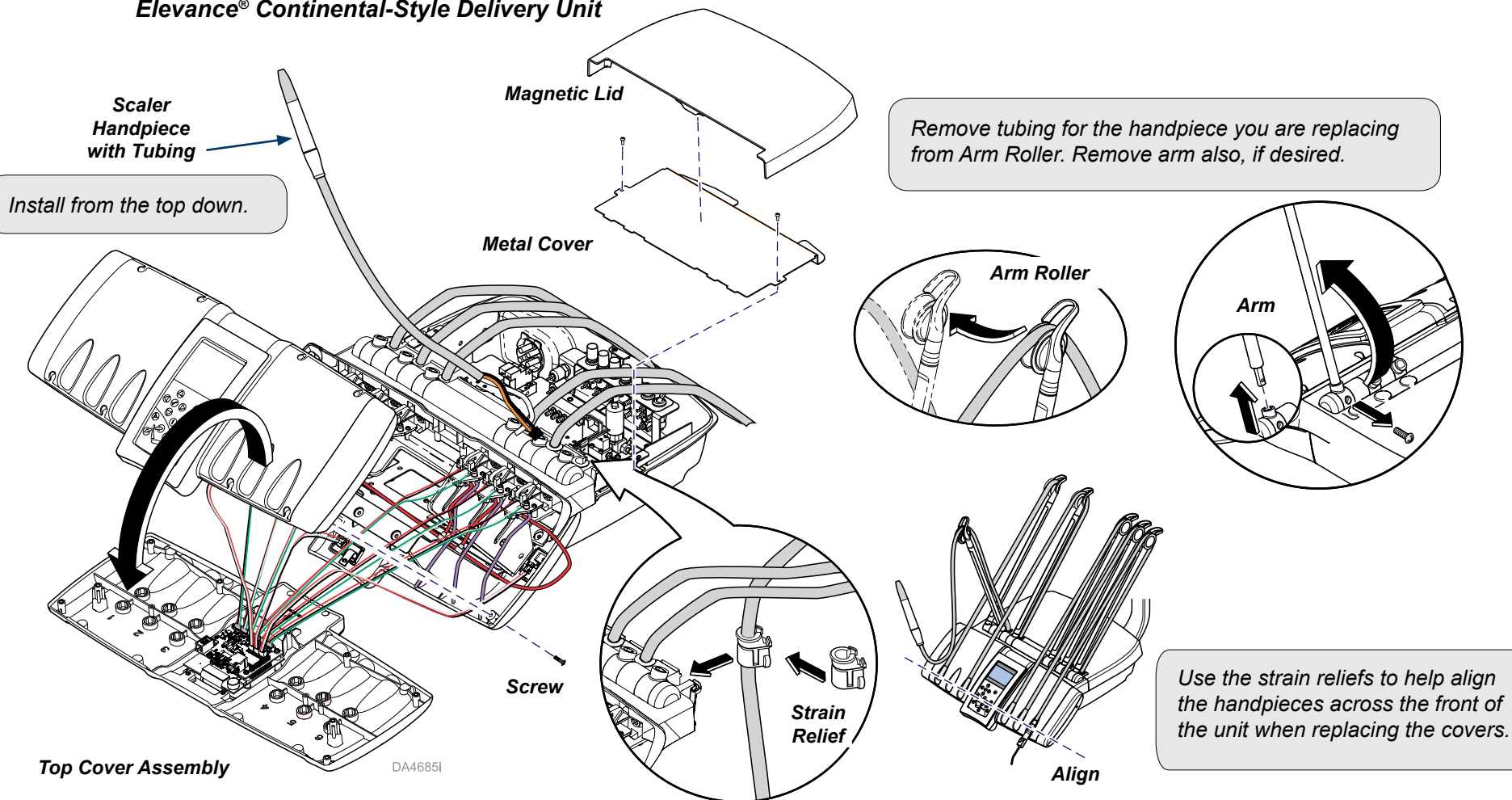
### Equipment Alert

Use this kit to **REPLACE** an existing handpiece **ONLY** on the Continental-Style Units.

### Step 1a for Continental-Style Delivery Units Cover Removal:

- D) Lift from back and remove Magnetic Lid.
- E) Remove two screws and lift off the Metal Cover.
- F) Remove handpieces from holders (allow them to hang) and remove eight screws so you can rotate and position the Top Cover Assembly in an out of the way location (leave tubing and wiring connected).

### Elevance® Continental-Style Delivery Unit



Follow Steps 2 through 7 as shown to complete the Scaler handpiece replacement.

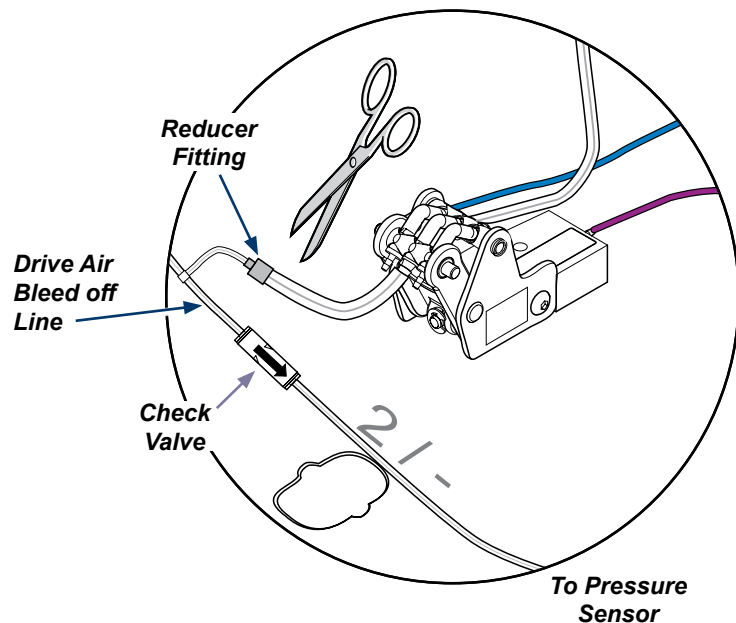
## Step 2: Remove existing handpiece.

- Disconnect green tubing from back of kink valve and plug it.
- Disconnect smaller tubing from either side of the front of the kink valve.
- Disconnect wiring connections to existing handpiece, as needed.
- Remove the handpiece.



### Equipment Alert

Trim tubing to length required to make the connections.  
Excess tubing can kink or be pinched resulting in poor or no operation.

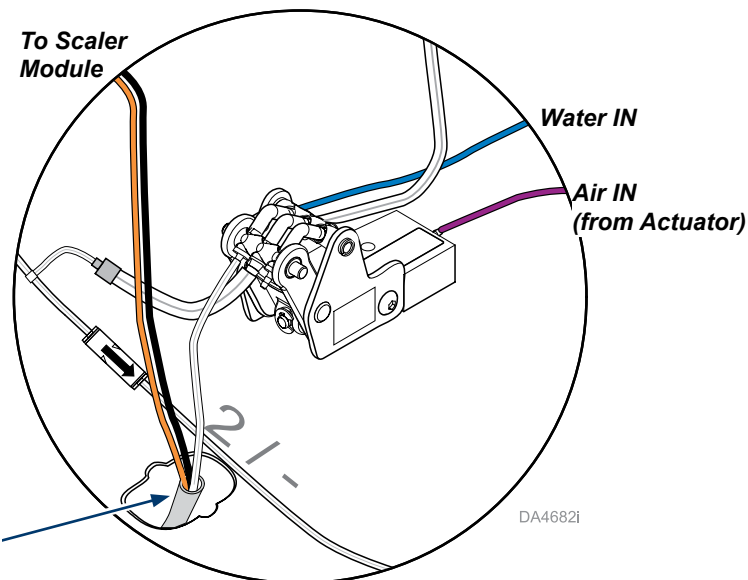
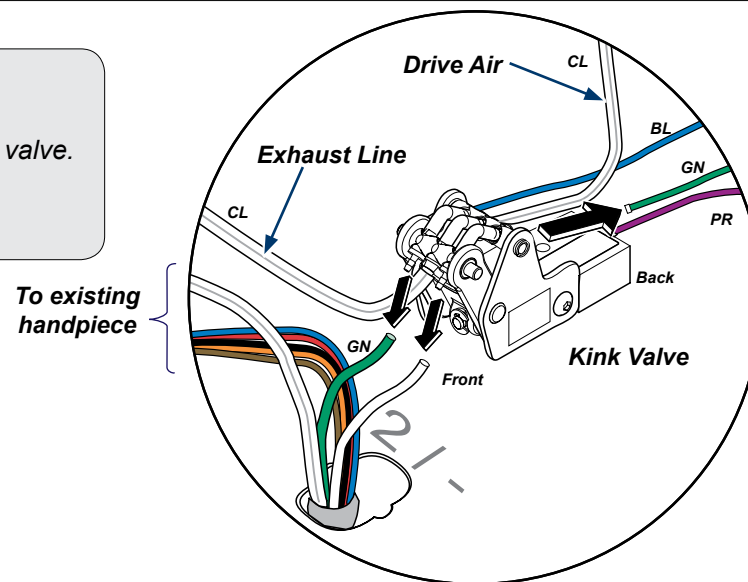


## Step 3: Reduce exhaust line from kink valve.

- Cut exhaust line and install a reducer fitting.
- Cut drive air bleed off line and install a check valve. Point arrow towards pressure sensor on interface board.
- Tee reduced exhaust line into drive air bleed off line on the side opposite the check valve arrow.

## Step 4: Install scaler handpiece tubing

- Feed the Scaler handpiece tubing into the unit through the hole in the bottom.
- Carefully strip sheathing back.
- Trim clear scaler handpiece tubing to appropriate length and connect to the front of the kink valve, opposite the water in line.



Page Applies To Model Numbers:

Serial Numbers:

153800-003

V2200 - VXXXXXXX

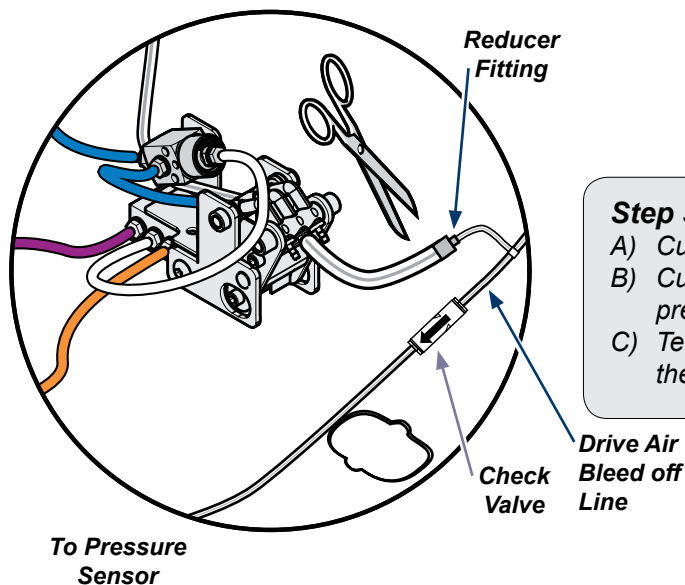
## Step 2: Remove existing handpiece.

- A) Disconnect green tubing from back of kink valve and plug it.
- B) Disconnect smaller tubing from either side of the front of the kink valve.
- C) Disconnect wiring connections to existing handpiece, as needed.
- D) Remove the handpiece.



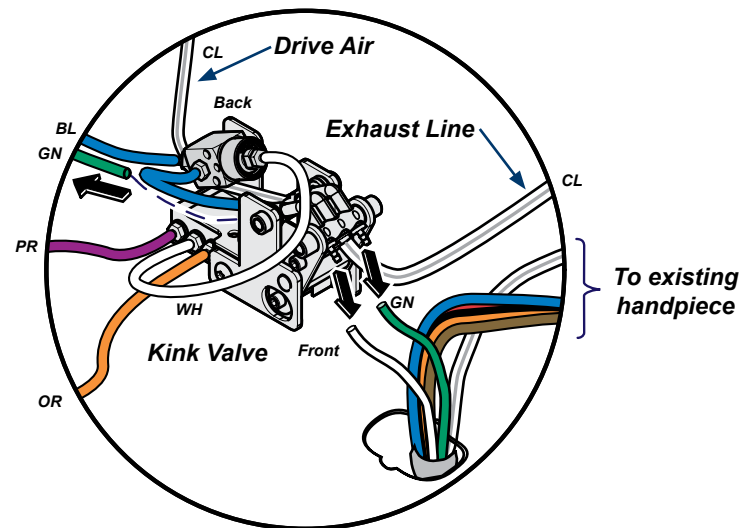
### Equipment Alert

Trim tubing to length required to make the connections.  
Excess tubing can kink or be pinched resulting in poor or no operation.



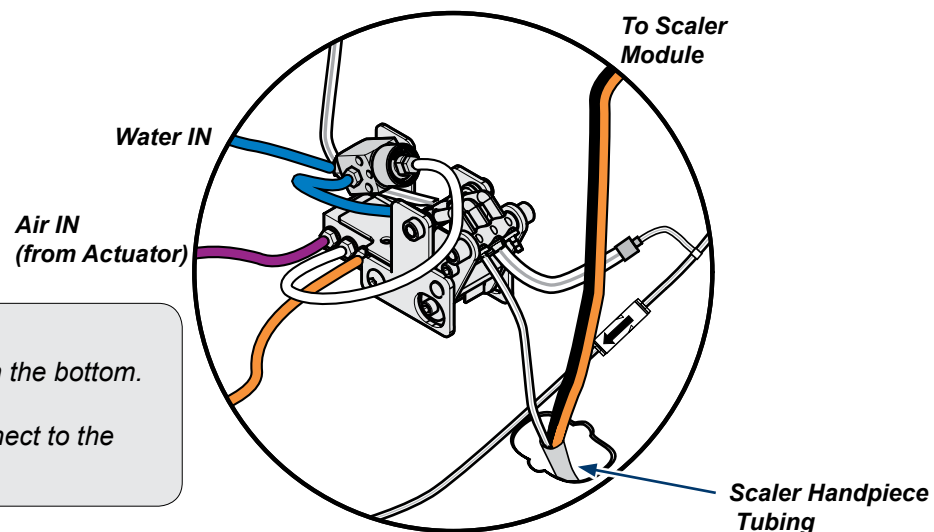
## Step 3: Reduce exhaust line from kink valve.

- A) Cut exhaust line and install a reducer fitting.
- B) Cut drive air bleed off line and install a check valve. Point arrow towards pressure sensor on interface board.
- C) Tee reduced exhaust line into drive air bleed off line on the side opposite the check valve arrow.



## Step 4: Install scaler handpiece tubing

- A) Feed the Scaler handpiece tubing into the unit through the hole in the bottom.
- B) Carefully strip sheathing back.
- C) Trim clear scaler handpiece tubing to appropriate length and connect to the front of the kink valve, opposite the water in line.



Page Applies To Model Numbers:

Serial Numbers:

153800-003

VXXXXXXX- Present

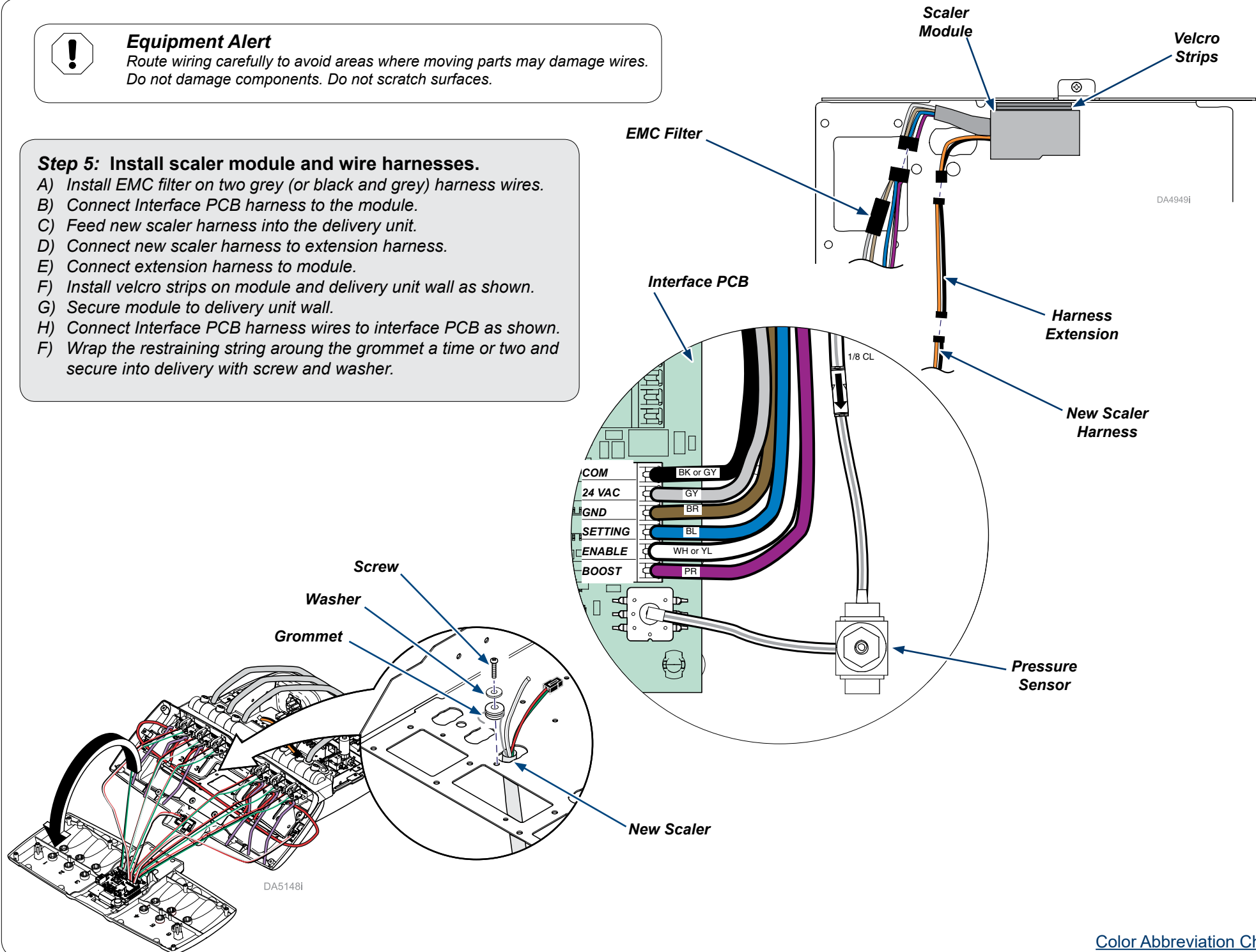


### Equipment Alert

Route wiring carefully to avoid areas where moving parts may damage wires.  
Do not damage components. Do not scratch surfaces.

### Step 5: Install scaler module and wire harnesses.

- A) Install EMC filter on two grey (or black and grey) harness wires.
- B) Connect Interface PCB harness to the module.
- C) Feed new scaler harness into the delivery unit.
- D) Connect new scaler harness to extension harness.
- E) Connect extension harness to module.
- F) Install velcro strips on module and delivery unit wall as shown.
- G) Secure module to delivery unit wall.
- H) Connect Interface PCB harness wires to interface PCB as shown.
- F) Wrap the restraining string around the grommet a time or two and secure into delivery with screw and washer.



[Color Abbreviation Chart](#)



















**Step 6: Replace all covers and power up the delivery unit.**

- A) Reference Step 1, working in reverse order to install covers, trays and return handpieces to their holders.
- B) Power up the delivery unit.

**Step 7: Assign scaler handpiece to the appropriate holder position.**

- A) Assign handpiece to proper holder position and reprogram user preferences.
- B) Test handpiece to verify functionality.

*Note: Refer to the Satelec scaler manuals for more information on the scaler operating modes and button options.*

<div><p>Model Selection</p><p>6 Position</p><p>4 Position</p><p>Handpiece Assignment</p><p>Syringe / Camera / Curing Light</p><p>Satelec SP Newtron Ultrasonic Scaler</p><p>Cavitron SPS G90 Ultrasonic Scaler</p><p>Bien Air MX micromotor 1600375-001</p><p>Air Turbine</p><p>Powered</p></div>	<p>Press  +  to access the Configuration Screens.</p> <p>Use   to highlight 4 or 6 position model and  to select it.</p> <p>The Handpiece Assignment Screen for that model appears:</p> <p>Press  or   to advance thru available holder positions. The holder position highlights as the handpiece name assigned to that position highlights in the list.</p> <p><b>To assign a scaler handpiece type to a holder position:</b></p> <p>Press  to advance to the desired holder position.</p> <p>Press   to highlight the handpiece name you want to assign, then press  to assign it to highlighted holder position.</p> <p>Continue to press  to advance through remaining holder positions, invoke the System Configuration Saved screen and to exit to Home.</p>
--	--

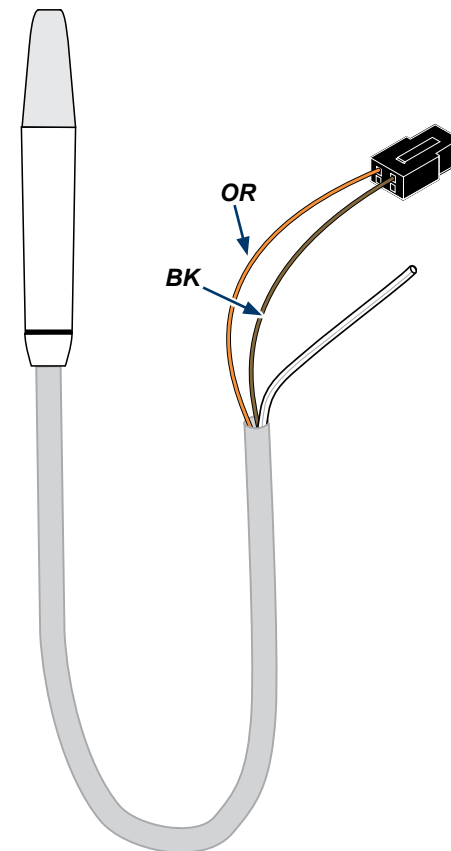
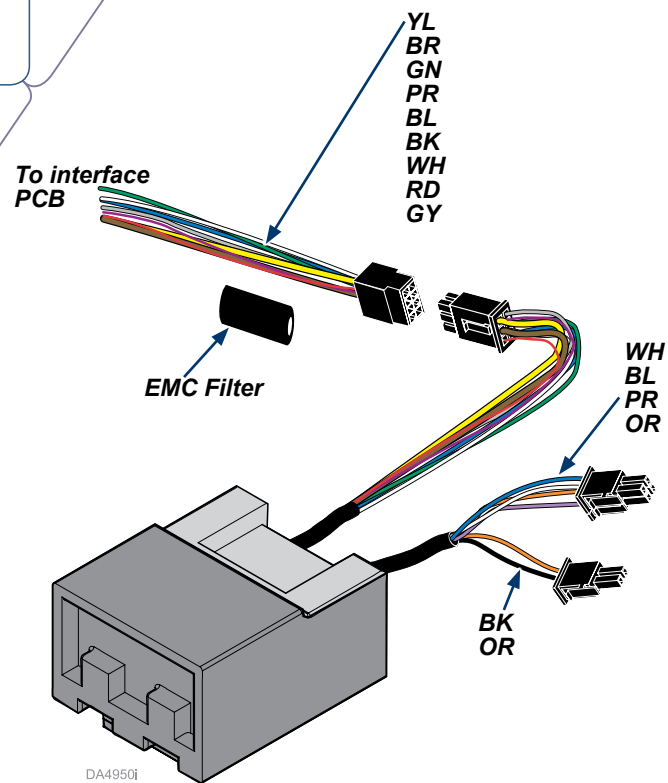
**Configuration/ Handpiece Assignment**



**Equipment Alert**

The Satelec scaler accessory is manufactured by ACTEON North America. Refer to ACTEON's literature for detailed information on Operation, Maintenance, Service, Troubleshooting, Warranty and to order replacement parts. For additional information go to: <http://www.acteonsupport.com/>.

- 153961-003 a) **1**  
 153961-004 b)  
 153962-003 c)  
 153962-004 d)

























Satelec Scaler Kits		
Item	Description	Qty.
1a	<b>For Elevance® Standard Delivery Units</b>	1
1b	Satelec Scaler Kit	
1c	<b>For Elevance® Continental-Style Delivery Units</b>	
1d	Satelec Scaler Kit	

For Elevance® Standard and Continental-Style Delivery Systems

[Color Abbreviation Chart](#)

## 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	