

# Sopro Intraoral Camera Accessory Installation

## Accessory Options:

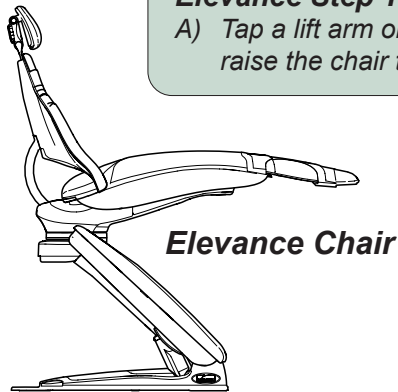
153831-015	
153831-016	Sopro Camera Kit with
153831-017	Docking Station..... 1

### Note

Use for the field installation of a Sopro Camera and docking station on an Elevance® Standard, Continental-Style or Procenter delivery unit. The Sopro camera handpiece must already be factory installed in the delivery unit head.

### Elevance Step 1: Position Elevance chair.

- A) Tap a lift arm or lower pivot cover three times to raise the chair to the "home" position.



Elevance Chair

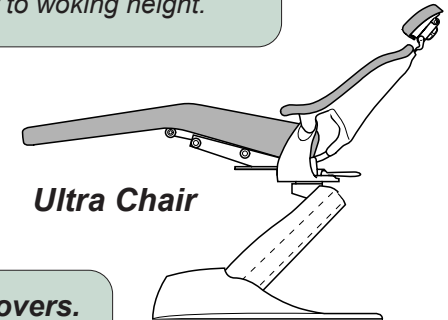


### WARNING

Always disconnect chair from the power source before removing any covers. Failure to do so may result in personal injury.

### Ultra Step 1: Position Ultra chair.

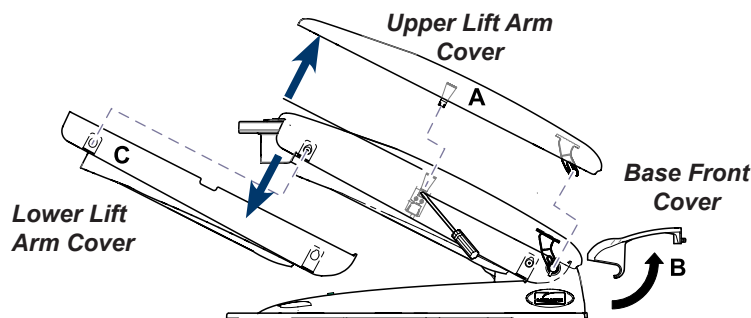
- A) Use foot control to raise chair to working height.



Ultra Chair

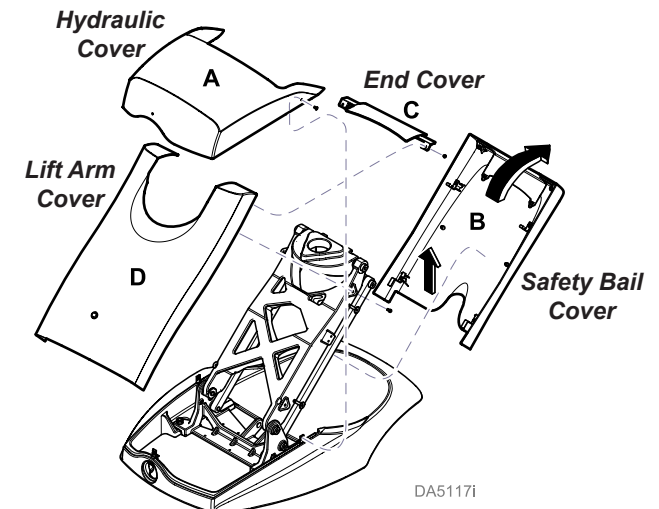
### Elevance Step 2: Remove lift arm covers.

- A) Push upper lift arm cover clips in with screwdriver to release, then lift cover up and towards the chair to free bar clips from mounting shaft.  
B) Grasp bottom of front base cover, pull out, then rotate up and away from the chair to remove.  
C) Working one side at a time, pull lower arm lift cover out and down to free it from the two mounting pins on each side.



### Ultra Step 2: Remove lift arm covers.

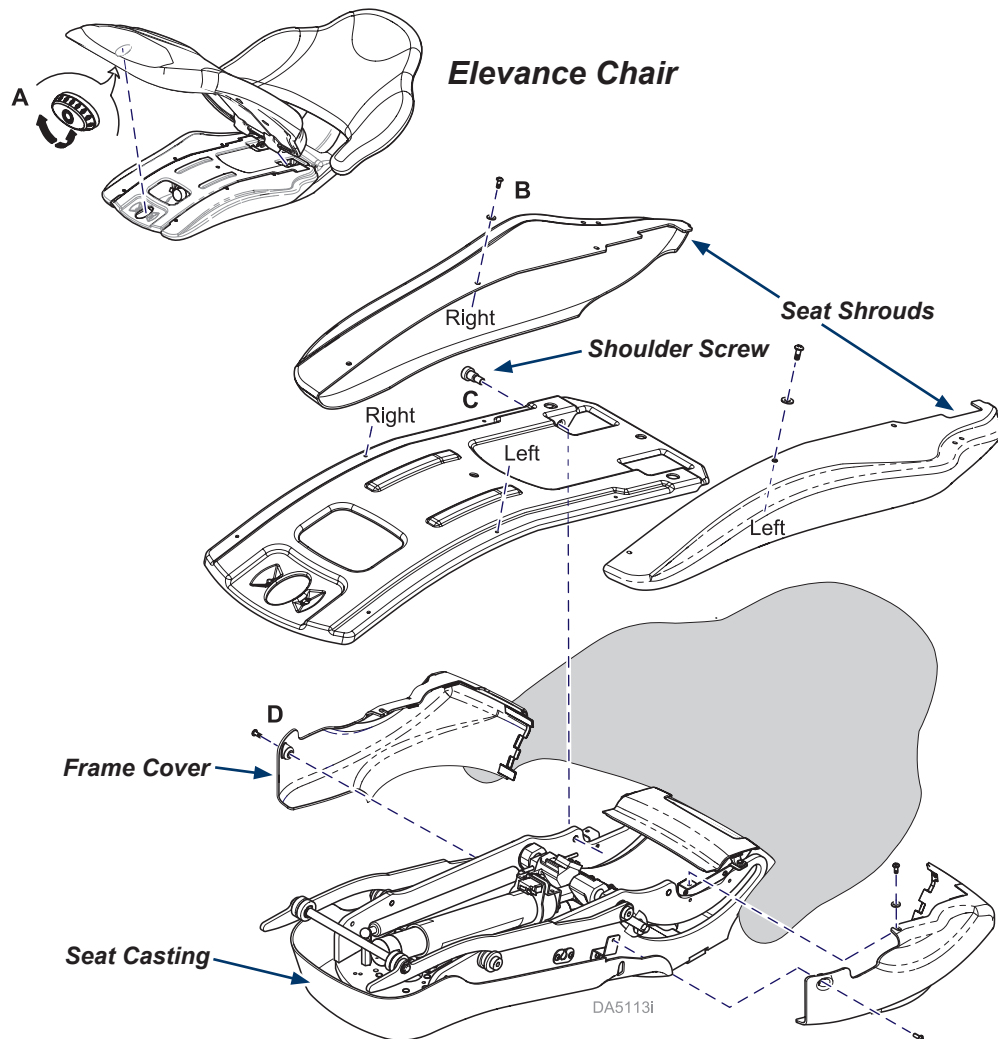
- A) Remove hydraulic cover (3 screws).  
B) Pull out from the top, then lift up to remove safety bail cover.  
C) Remove end cover (2 screws).  
D) Remove lift arm cover (4 screws).



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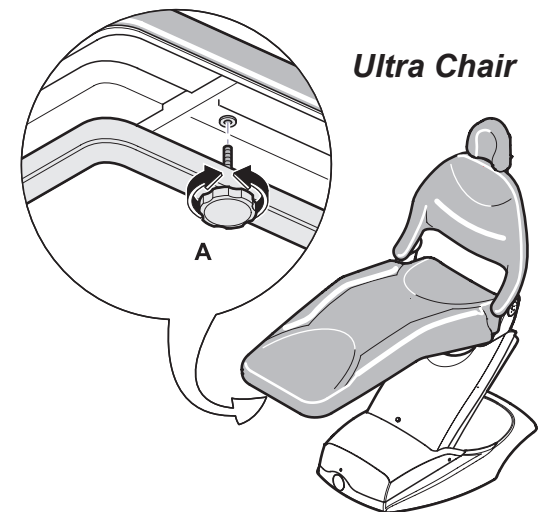
**Elevance® Step 3: Remove Seat Upholstery and covers to access the base casting.**

- A) Turn the knob under the seat upholstery, raise foot end and lift off the chair frame.
- B) Remove three screws and washers from right and left seat shrouds, remove shrouds.
- C) Remove two shoulder screws, then remove seat frame.
- D) Remove screws, washers then the frame covers.



**Ultra Step 3: Remove Seat to access base casting.**

- A) Loosen six threaded knobs Under the upholstery and remove seat upholstery from the frame.



# Elevance® Chair (Ultra Chair on next page)

## Elevance Step 4: Route the camera wiring.

A) Route the camera and switch wires through the mounting arm and up into the seat casting.

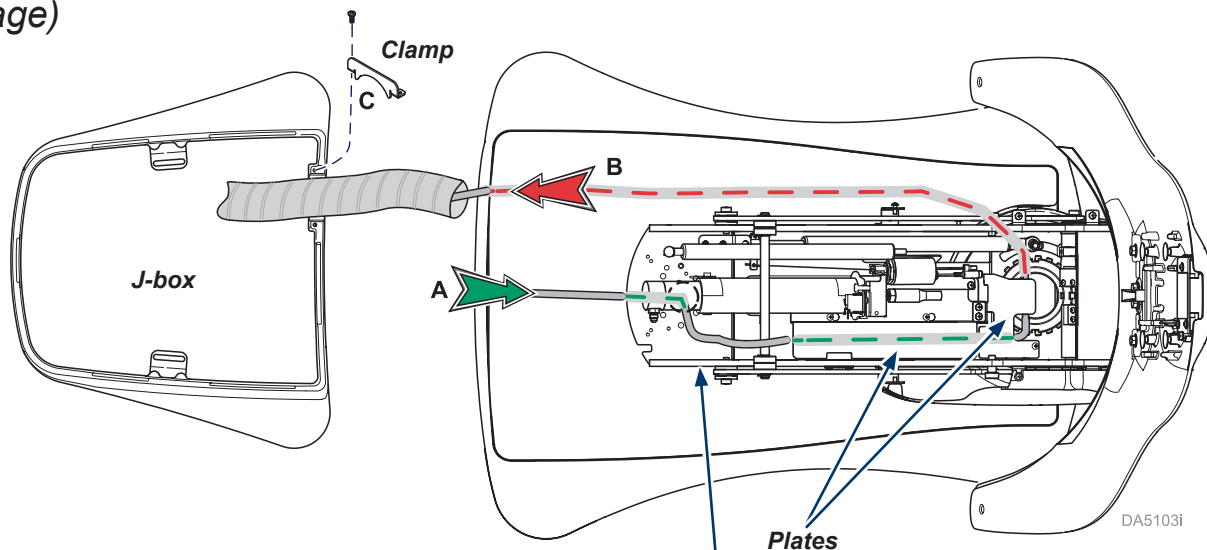
Tip: Loosen screws and route harness under the plates in the seat casting.

B) Continue routing wires through chair pivot into base and out through the umbilical hole.

C) Remove clamp from J-box and route wiring through the umbilical into the J-box.

Tip: Trim the length of the umbilical casing to make it easier to route cables through. Leave umbilical long enough to reach the J-Box.

Note: The camera handpiece and wiring must be factory installed in the delivery unit head. Then, you will route the wires through the chair.



## Equipment Alert

Route wiring carefully to avoid areas where moving parts may damage wires. Use wire ties to secure or route wiring through the umbilical casing when possible.

## Elevance Step 5: Connect docking station.

A) Connect red and black switch wires through the large opening in the cover.

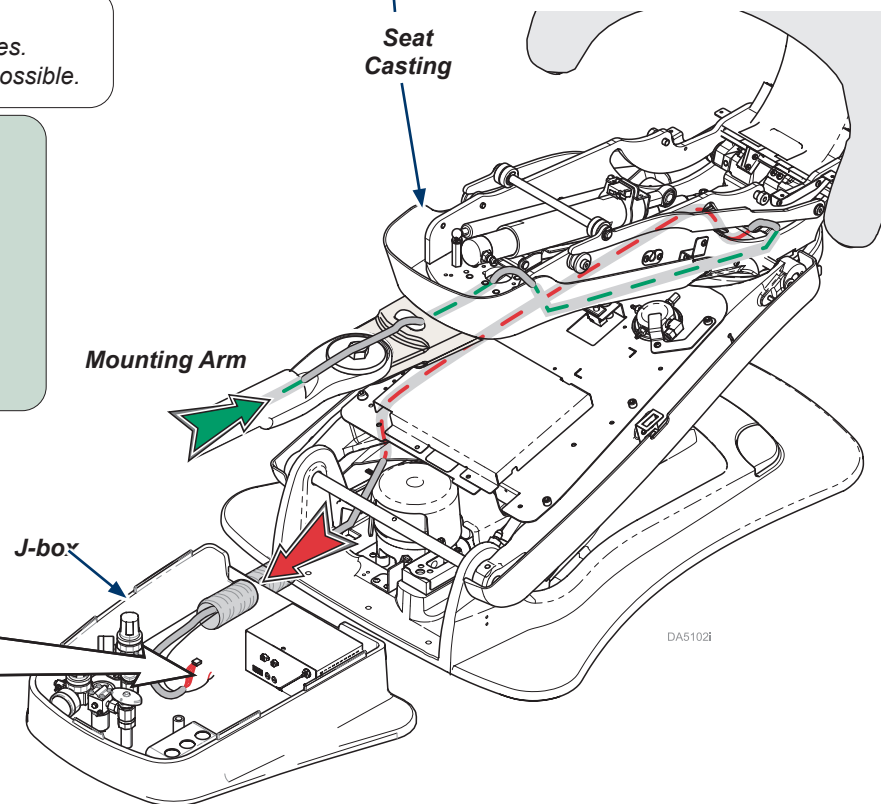
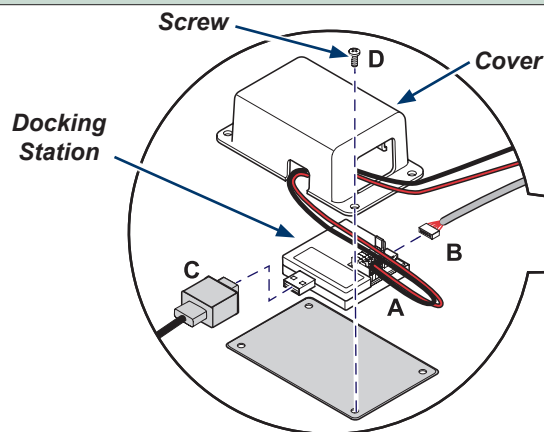
B) Connect camera wiring to docking station.

C) Connect USB to docking station as shown.

Connect other end of USB cable to computer to provide power for the docking station.

D) Screw cover / plate together with screws provided, securing docking station inside.

E) Place covered docking station in the J-box.

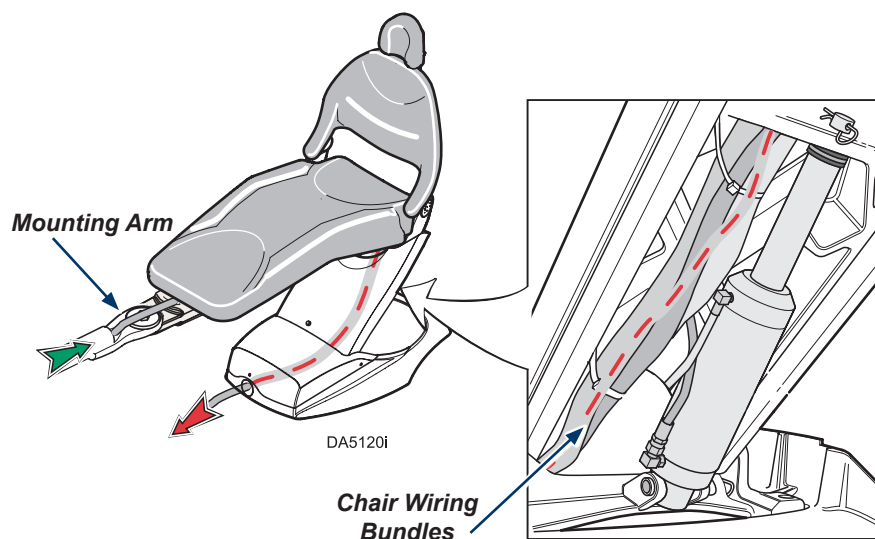


# Ultra Chair

## Ultra Step 4: Route the camera wiring through the chair.

- A) Route the camera and switch wires through the mounting arm and under the seat upholstery.
- B) Route wires out the back of the chair, following the wiring bundles along the bottom lift arm frame.

*Tip:* After you make the camera connections in the J-Box, go back and wire tie camera wires to existing wiring bundles.

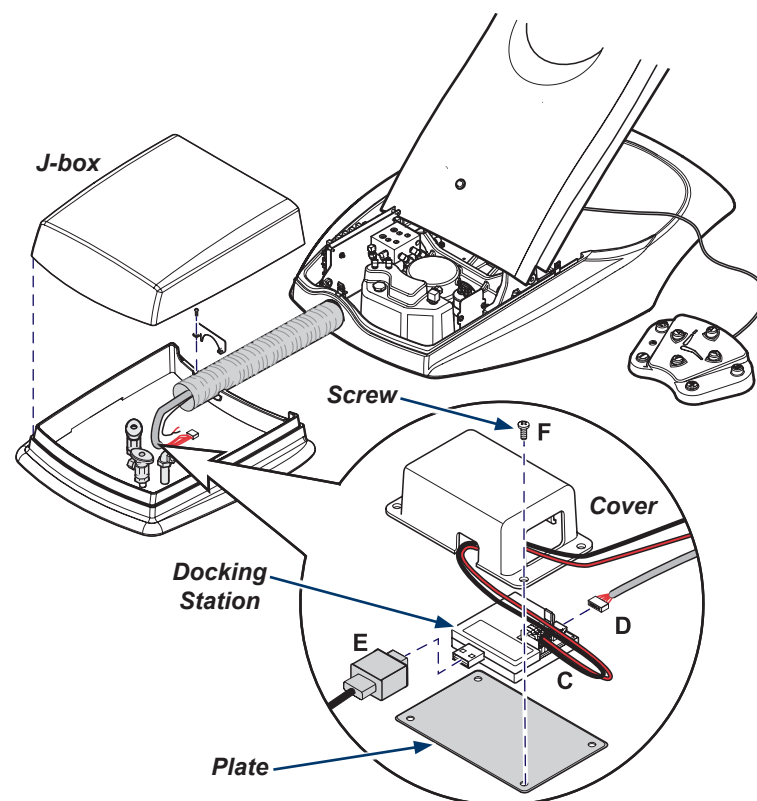


### Equipment Alert

Route wiring carefully to avoid areas where moving parts may damage wires. Use wire ties to secure or route wiring inside the umbilical casing when possible.

## Ultra Step 5: Connect docking station.

- A) Remove the J-box lid.
- B) Route camera wires through the umbilical to the J-box.
- C) Connect red and black switch wires through the large opening in the cover.
- D) Connect camera wiring to docking station.
- E) Connect USB to docking station as shown.
- Connect other end of USB cable to computer to provide power for the docking station.
- F) Screw cover / plate together with screws provided, securing docking station inside.
- G) Place covered docking station in the J-box.



### Step 6: Replace Covers and Connect the power.

- A) Install all covers.
- B) Connect power supply to the chair.
- C) Move master switch to the ON position.

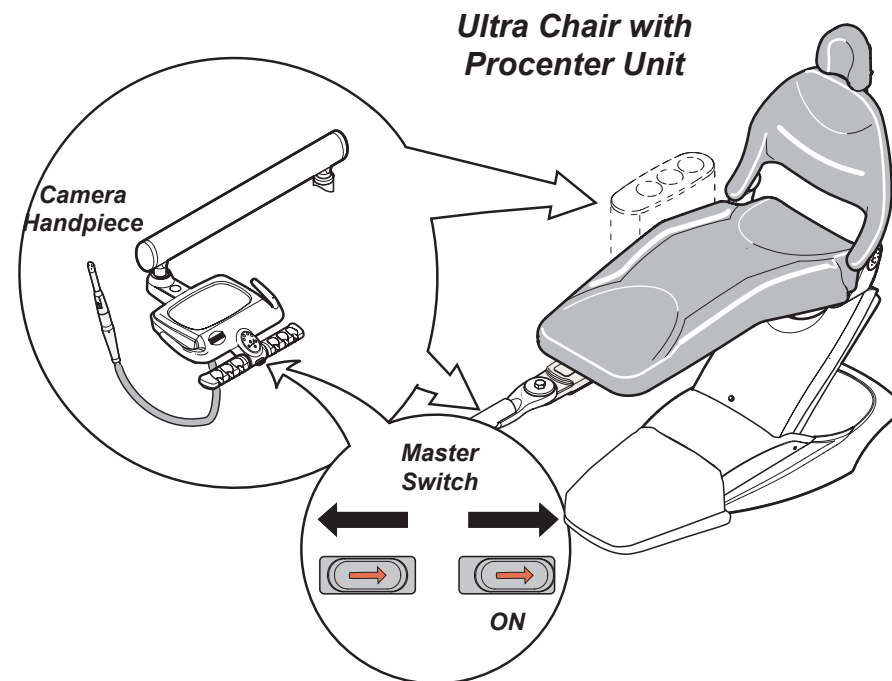
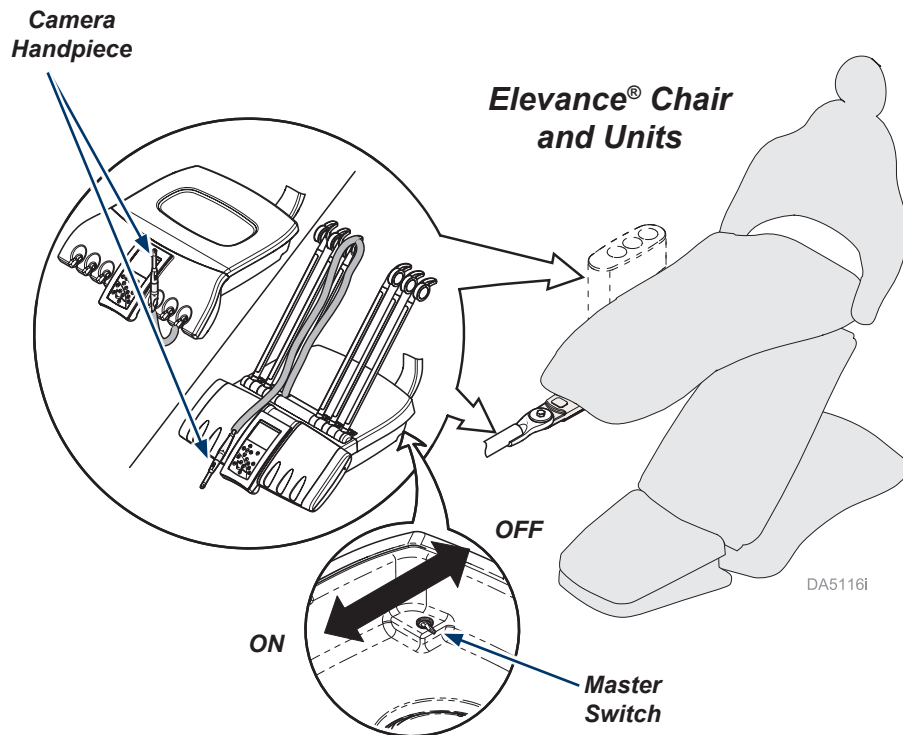
Note: Operation of the Sopro camera is integrated with the delivery unit.



### Equipment Alert

The Sopro camera 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)



### Step 7: Verify camera operation.

- A) Remove the camera handpiece from the holder.
- B) Ensure images from camera handpiece appear on a monitor to verify operation.

Note: Refer to the Sopro Camera manuals for more information on the camera operating modes and button options.