

Belmont Dental Delivery Systems

*Installation Instructions:
Swing Mounted Assistant Vac Pac
for Bel-50 Dental Chairs*

BDS-0050

X-Calibur Units

Installation Instructions BDS-0050

06-02-11

Time Required: Approximately 45 minutes

Tools Required:

Phillips Screwdriver
5.5 mm Hex key Wrench
1/8" Hex key Wrench
Small Wire Cutters
Utility Knife

Step 1. **Remove Plastic Dome Casting Cover from chair.**

Gently pry off decorative plastic screw head caps.

Remove (4) Phillips head screws and plastic countersink washers (one from each side and two from the top surface).

NOTE: Seat may be rotated for improved screwdriver access to screws on top surface



Remove caps and screws from side of Dome Casting Cover. (Right side/ Front view)



Removing top screw, Dome Casting Cover. (Rear view)

Step 2. **Remove Cut-out Panel from the Dome Casting Cover.**

Peel the X-Calibur V label from the Dome Casting Cover.

Remove the perforated panel by snipping tabs with small wire cutters.

Using the edge of the utility knife blade, gradually shave off the rough tab edges left inside the panel opening. **Knife blade strokes should be directed away from hands and body.**

WARNING! Caution must be used in this step to avoid possible injury and damage to part.



Remove label from back of Dome Casting Cover



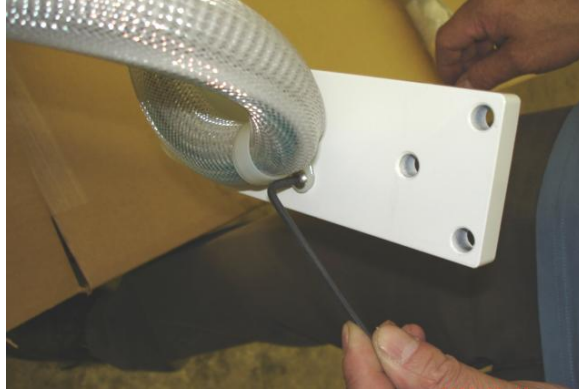
Snip perforated panel tabs



Gradually shave away rough edges around inside of opening

Step 3. Attaching the Vac Pac to the chair.

- a) Using a 1/8" hex key wrench, remove the umbilical retaining clamp from the bottom of the Vac Pac mounting bracket.



- b) Slide plastic Dome Casting Cover over the end of the mounting bracket and arm linkage.



- c) Using a 5.5 mm hex key wrench, secure the mounting bracket to the chair using the (3) M8 cap head screws provided.



Step 4. Re-attach the Dome Casting Cover.

Slide the Dome Casting Cover back over arm linkage and mounting bracket and re-attach to the chair using the hardware removed in step 1.

Step 5. Re-attach the Umbilical Retaining Clamp

Re-attach the umbilical and clamp to the bottom of the Vac Pac mounting bracket, using the screw removed in step 3 a).

Step 6. Routing the Vac Pac Umbilical

From the back side of the chair, feed the umbilical upward and underneath seat area, along the outside of the spring area.



Route the umbilical upward and underneath seat area. (View from rear of chair)

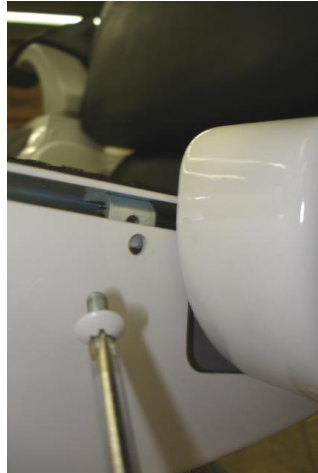


Pull the umbilical upward and route along the outside of the spring area. (View shown-front /right)

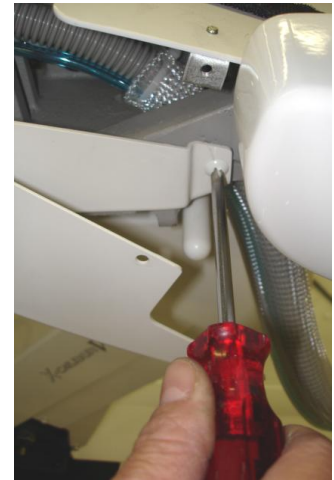
Use Phillips screwdriver to remove screws from plastic seat housing cover shroud on one side of the seat



Remove screw underneath the plastic cover in front of the chair (One side only)



Remove screw on the outside plastic cover, adjacent to armrest casting (One side only)



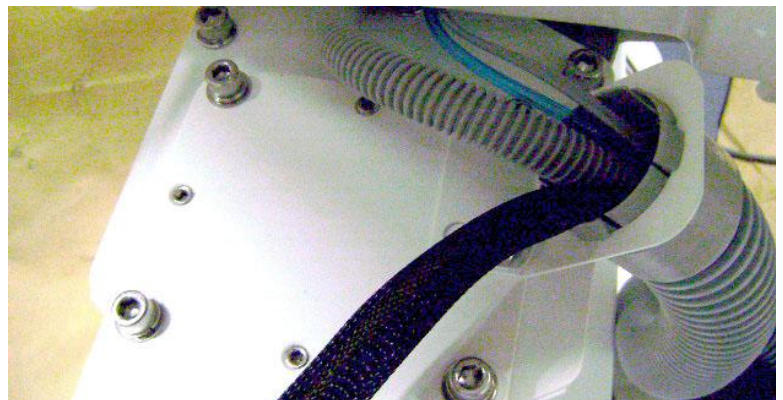
Remove screw from inner plastic cover, adjacent to armrest casting (One side only)

Pull Umbilical out through the notched cut-out in the inside cover, in front of the seat. Feed Vac Pac umbilical tubing through opening on the side of the Umbilical Retaining Bracket.

Vac Pac umbilical and delivery system umbilical are both fed together into the outer umbilical duct hose and connected to the J-Box.



Vac Pac umbilical tubing exits through notched cut-out in front of the seat.



Vac Pac umbilical routing is shown underneath seat, exiting through notched cut-out in front of chair and fed into the Umbilical Duct Hose.

Note: Delivery system umbilical (black) is also shown black.

Step 7. **Connections**

Vac Pacs are shipped without Air and Water Regulator/Filter/Valve assemblies or J-Box cover and frame. Syringe air, syringe water, outlet water supply should be connected to delivery system floor utilities. Connect vacuum drainage line to suction source in floor.

Step 8. Verification

Verify that all connections to air, water and vacuum are leak-free.

Verify that HVE and SE suction are adequate, syringe air & water are satisfactory and that the adjustable water outlet is functional.



BDS-0050 Vac Pac shown installed on a Bel-50 chair with a BDS-2570 swing-mounted delivery system with light swing arm (upper light post and light not shown).