

Belmont Dental Delivery Systems

*Installation Instructions:
Swing Mounted Assistant Vac Pac
for Bel-20 & Bel-20+ Dental*

BDS-0020

X-Calibur Units

Installation Instructions BDS-0020

06-02-11

Time Required: Approximately 45 minutes

Tools Required:

Phillips Screwdriver

4 mm and 1/8" Hex key Wrenches

Step 1. Remove Link Arm Covers from chair.



Remove hex head screws from the top of the left and right Link Arm Cover. (Front view)



Shown at right, remove 2 phillips screws from the backside of each Link Arm Cover.

Remove chair link arm covers by removing 1 hex head screw and 2 phillips head screws from each Link Arm Cover.

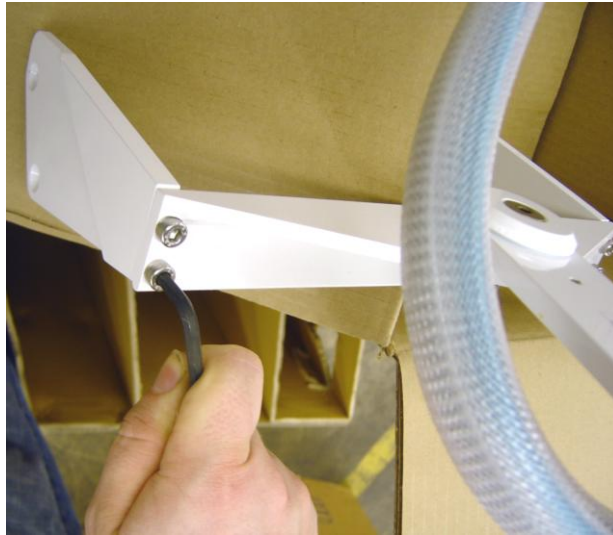
Step 2. Remove PCB Housing Cover.



Remove the PCB Housing Cover.

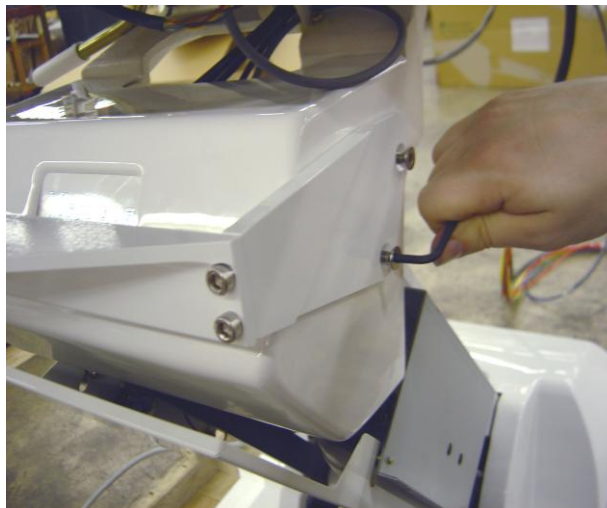
Remove (4) round head Phillips screws, from both sides of the PCB Housing Cover, as shown above. Round head screws can be discarded, as flat head screws are provided with Vac Pac for attachment to chair.

Step 3. Pre-installation adjustment of Vac Pac chair bracket prior to attachment to the chair.



Using a 1/8" hex key wrench, slightly loosen (2) socket cap screws on one side of the chair mounting Adapter as shown above.

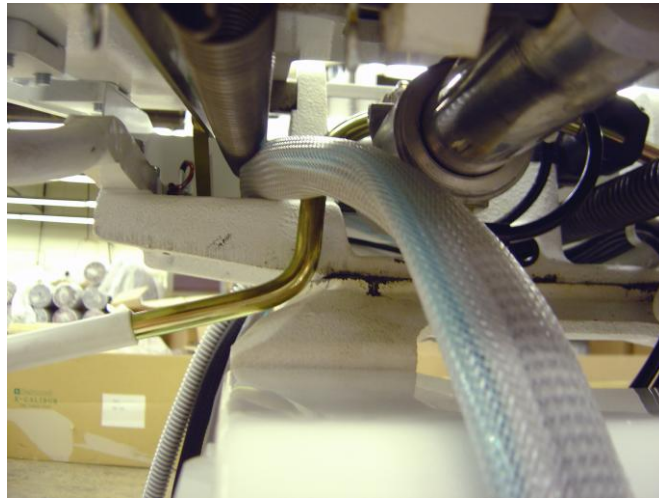
Step 4. Attaching the Vac Pac to the chair.



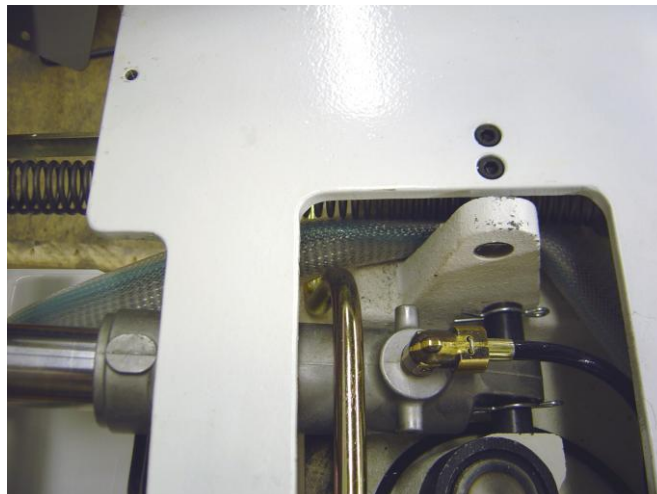
Using a 4 mm hex key wrench, secure the mounting bracket to the chair using the (4) M6 flat head screws provided. Re-tighten (2) socket cap screws loosened in Step 3.

Step 5. Routing the Vac Pac Umbilical

From the back side of the chair, feed the umbilical upward through chair bracket and underneath seat area, - routing tubing along the outside of the spring area, as shown below.



**Route the umbilical upward and underneath seat area.
(view from rear of chair, looking toward legrest)**



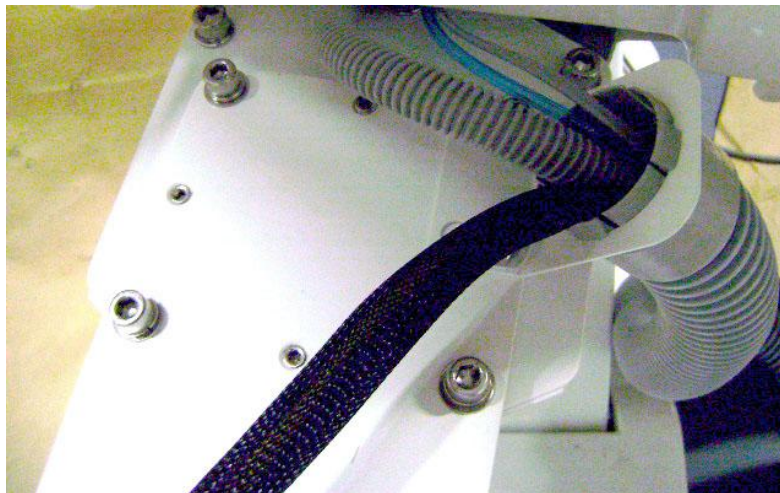
**Pull the umbilical upward and route along the outside of the spring area.
(top view of seat area. Left is back of seat/ right is front of seat)**



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

Pull Umbilical out through the notched cut-out on the plastic cover, in front of the seat, as shown above. 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 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 6. **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 7. **Re-attach Link Arm Covers removed in Step 1.**

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.