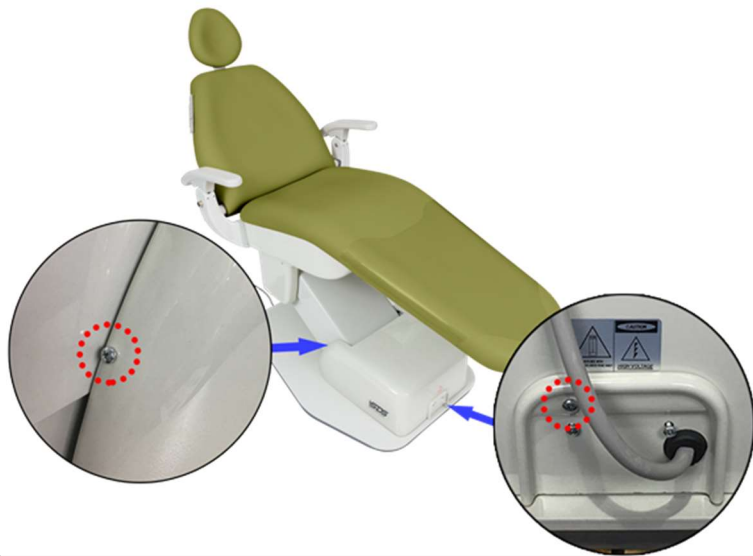# Replacing Base Potentiometer Assy: 8000DY / 7000BY with pre-position

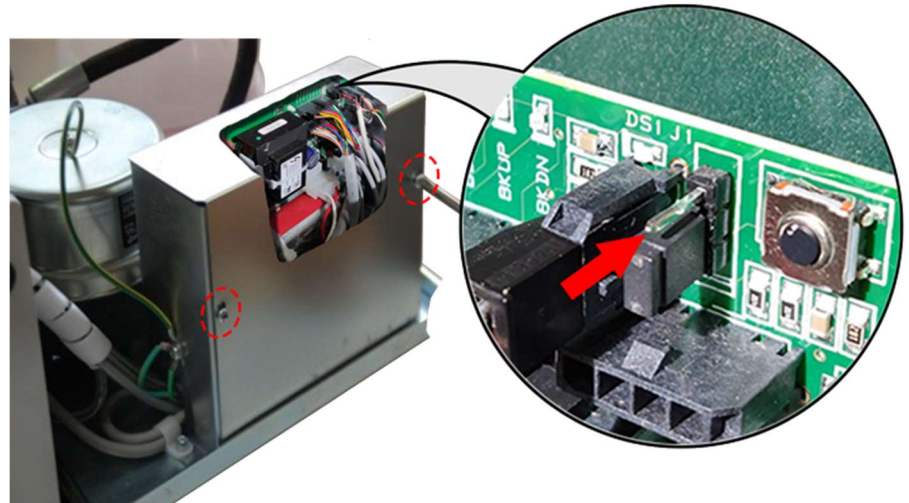**1** Remove motor cover by removing 3 screws using a Phillip screwdriver.
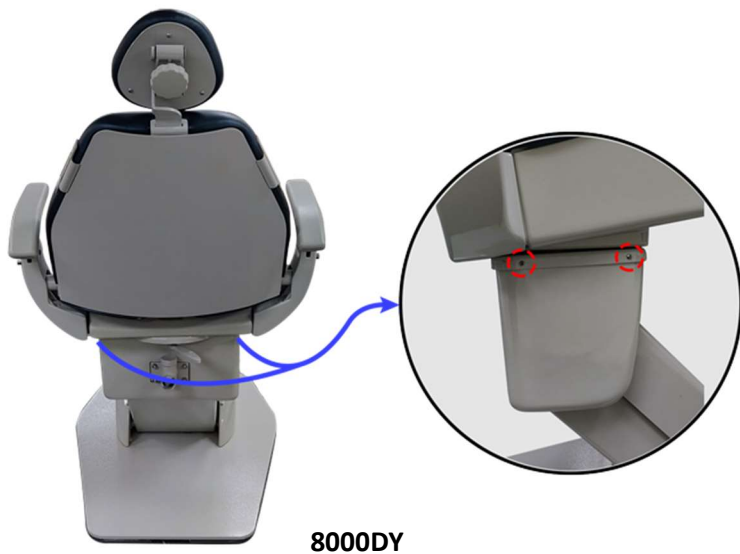


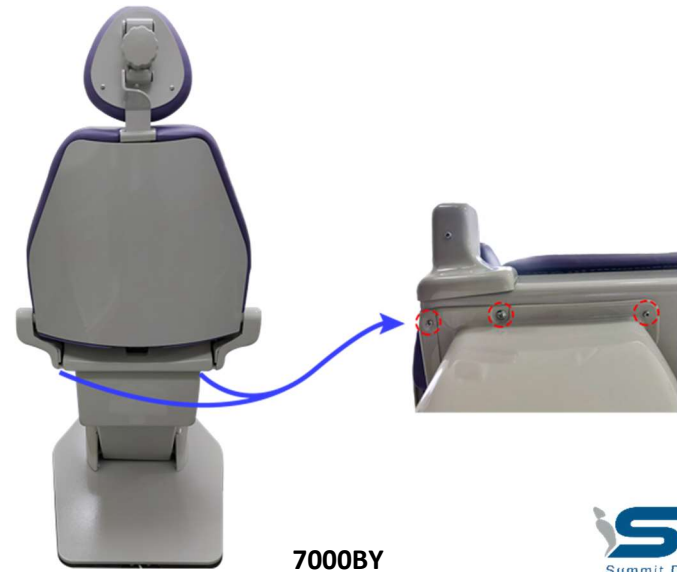**2** Remove PC Board chassis cover. And place the jumper on the lower two pins



**3** Remove the upper cantilever cover by removing four screws.



**8000DY**

**4** Remove the upper cantilever cover by removing the four cover screws and two back upholstery screws.
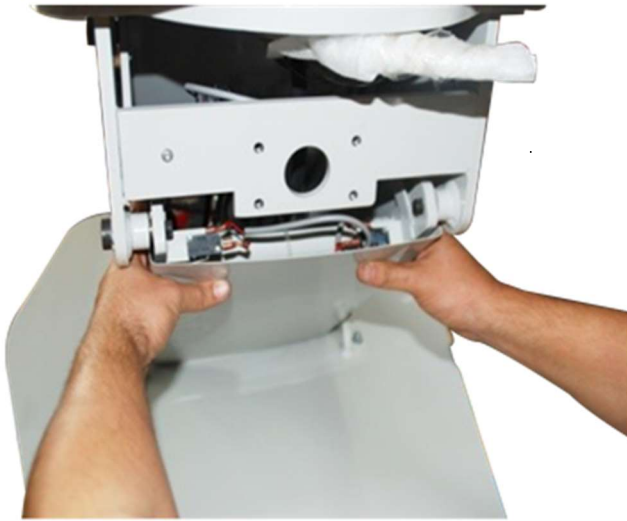


**7000BY**

SDS
Summit Dental Systems

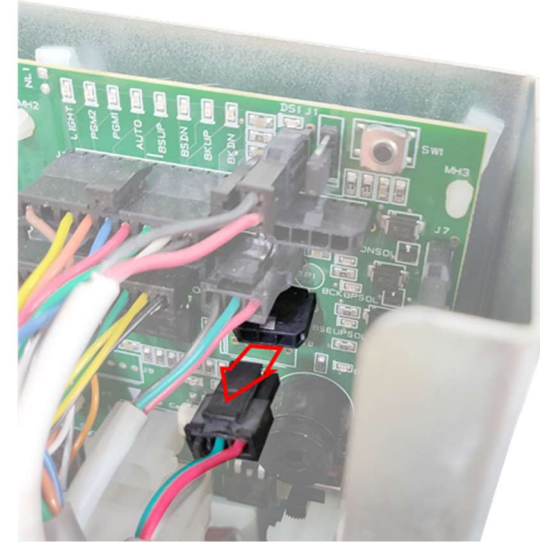# Replacing Base Potentiometer Assy: 8000DY / 7000BY with pre-position

**5** Raise the chair base halfway by pressing base up function on the foot control. Remove the trip pan by pressing each corner inward to release it from the hooks.
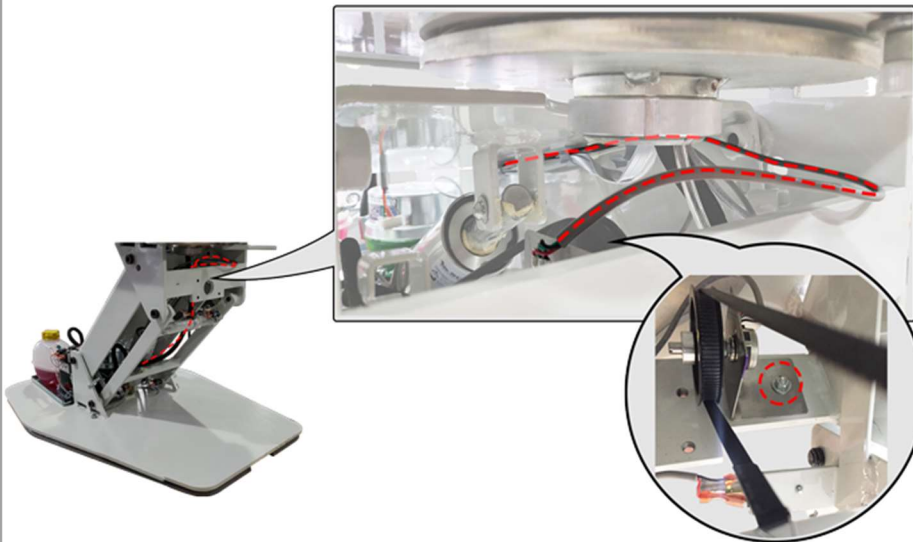


**6** Unplug existing Potentiometer cable from the PC Board. Release the Potentiometer wire from the cable clamps on the frame of the chair.



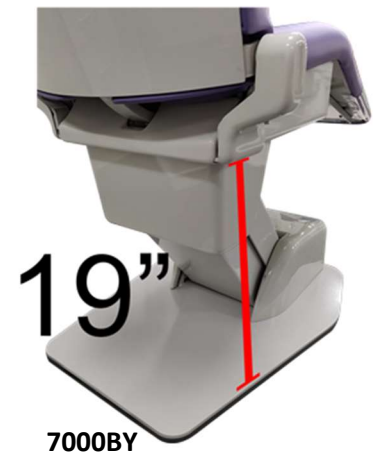**7** Install the new potentiometer assembly and re-route the wire down to the PC board.



**8** Plug the chair in and raise the chair base to **21" for the 8000DY** and **19" for the 7000BY** between the base plate and the lower part of the seat frame.
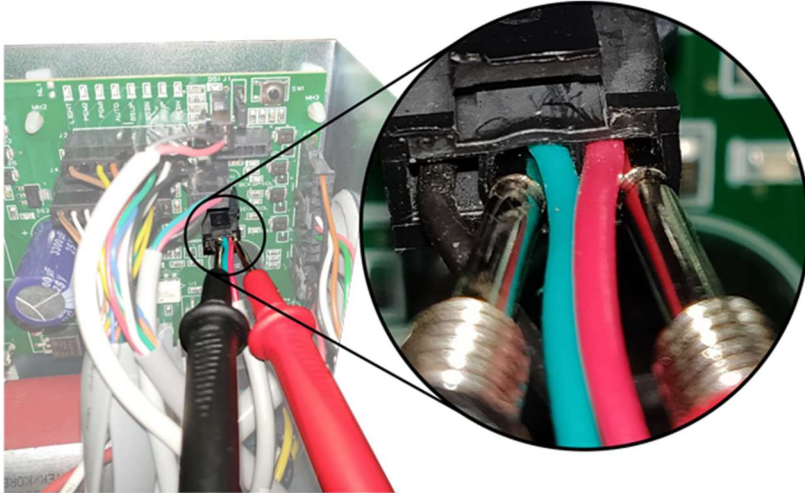


21"
8000DY

19"
7000BY

# Replacing Base Potentiometer Assy: 8000DY / 7000BY with pre-position

**9** With the multi-meter set to V.D.C. check voltage between the red and green wires, either on the back of the potentiometer or at the molex on the PC Board.



**10** Turn the potentiometer wheel until you read 4.0 VDC +/- .1v. Reinstall the belt onto the pully.
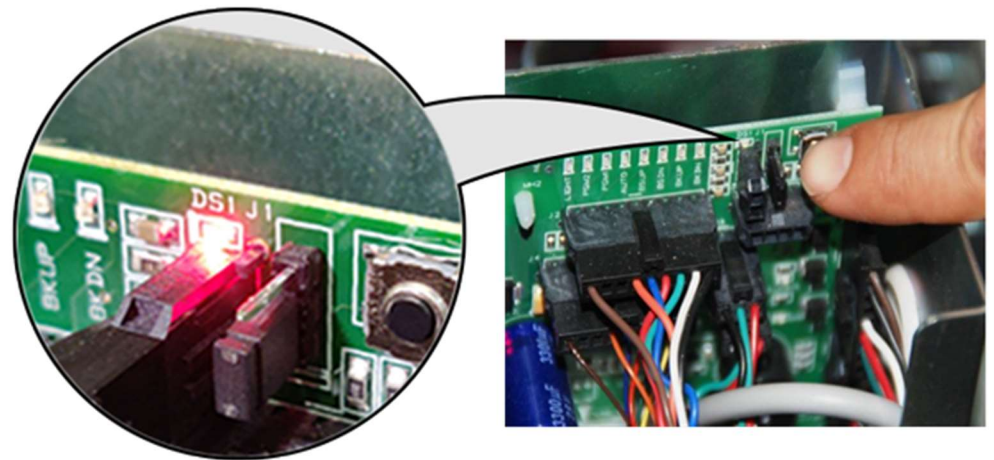**NOTE:** Make sure the spring is located on bottom of the pully away the cantilever.



**11** **SET SOFT LIMITS**

Double check that the chair height is **21" for the 8000DY** and **19" for the 7000BY** and that the jumper is on the lower two pins.
Press and release the SW1 button located next to the jumper.
Press and release the base up button, this will set the upper limit.

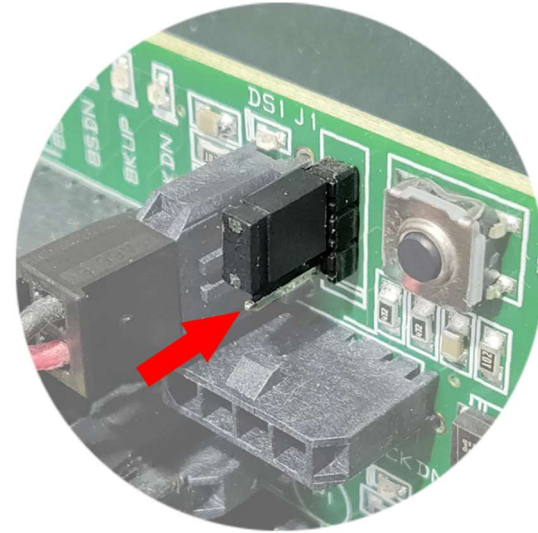# Replacing Base Potentiometer Assy: 8000DY / 7000BY with pre-position

**12** Lower the chair to all the way down then raise it up ½". Press and release the SW1 button then press and release the base down function. This will set the lower limit.



**13** Place the jumper back on the upper two pins to lock the programing and test all chair functions.





**PLEASE CALL OUR TECHNICAL DEPARTMENT AT 1-800-275-3368 FOR ASSISTANCE.**