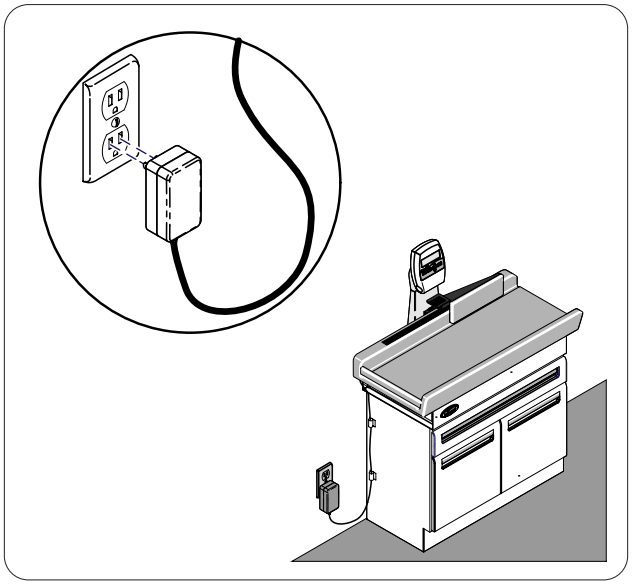
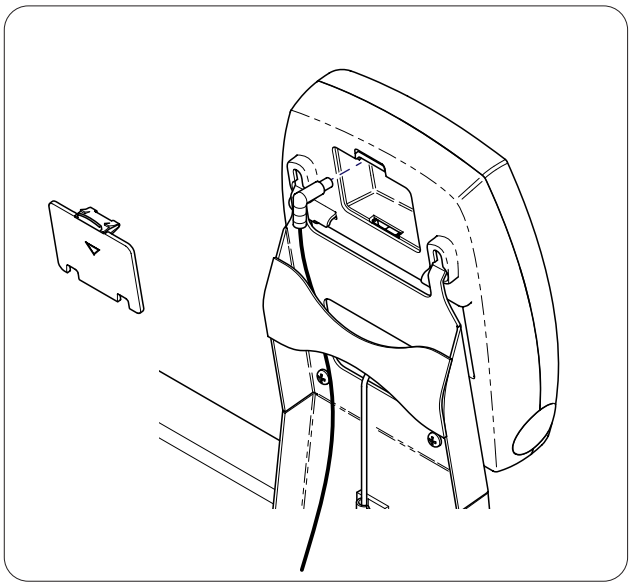
640 Pediatric Control Kit *(002-10701-00)*

Special Tools:
30 lb weight

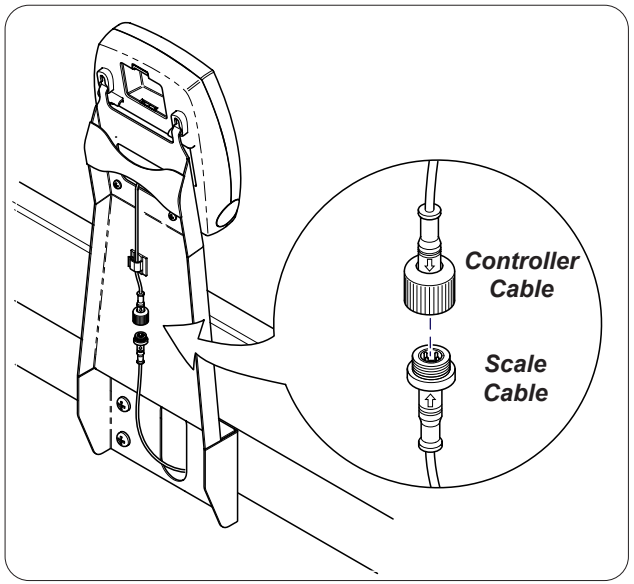
WARNING
To prevent risk of shock always disconnect power before removing covers or performing any service procedure.



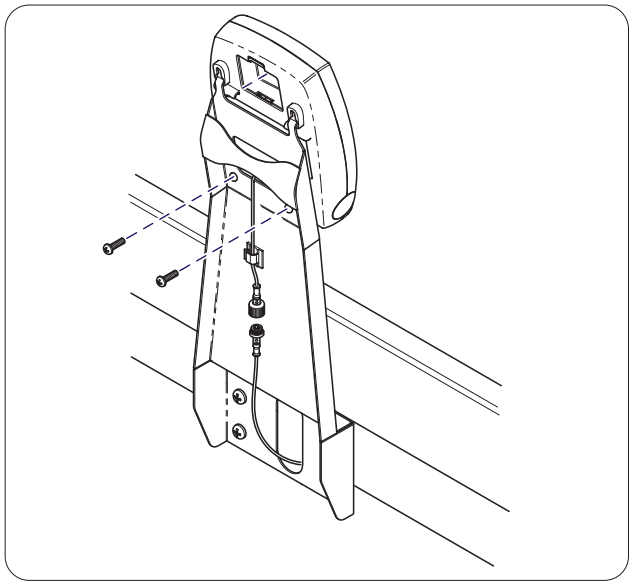
Step 1: Disconnect power...
A) Disconnect power to table.



Step 2: Disconnect A/C adapter cable...
A) Remove access cover.
B) Unplug A/C adapter cable from A/C port.

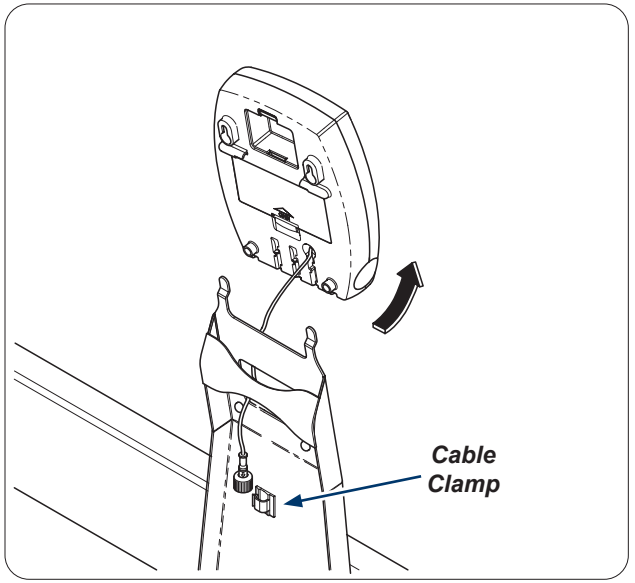


Step 3: Disconnect controller cable...
A) Disconnect controller cable from scale cable.



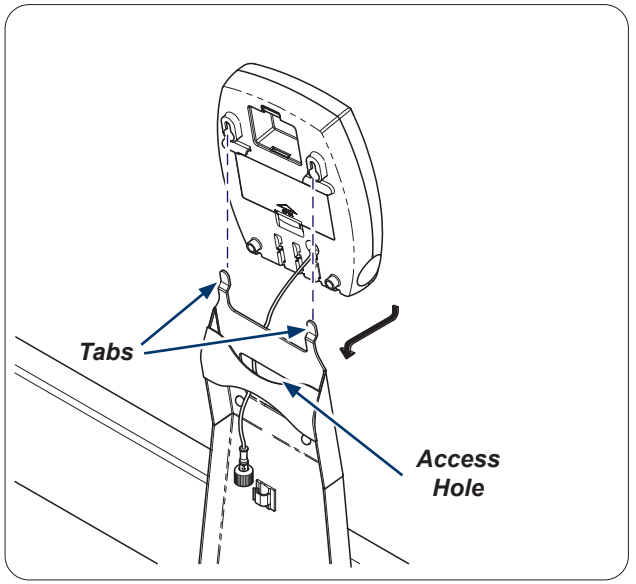
Step 4: Remove mounting screws...

A) Remove two screws securing controller to tower.



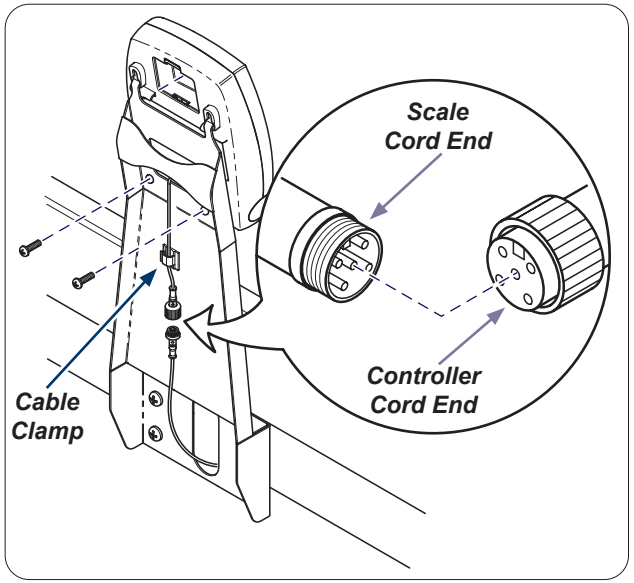
Step 5: Remove controller from tower...

A) Remove cable from cable clamp.
B) Slightly pull bottom of controller outward and lift upward.



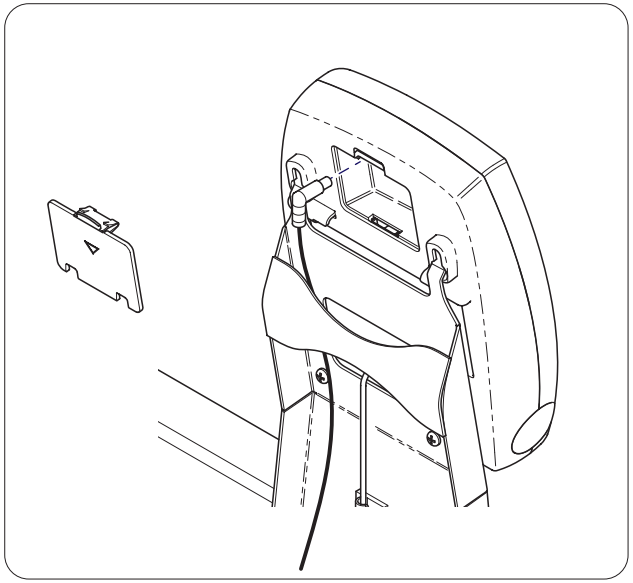
Step 6: Mount new controller to tower...

A) Feed cable thru access hole in tower.
B) Slightly angle bottom of controller outward and slide down onto tabs.



Step 7: Secure controller to tower...

A) Secure controller to tower with two screws.
B) Connect controller cable to scale cable lining up ends.
C) Secure cable in cable clamp.



Step 8: Connect A/C adapter cable...

A) Plug adapter cable into A/C port.
B) Install access cover.
C) Re-connect power to table.
D) Press Zero/On button to power control.

WARNING
Scale will not weigh correctly without proper calibration for the new control!

Equipment Alert
A 30 lb weight is required for the calibration procedure.

Step 9: Perform Calibration Procedure...

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Calibration Procedure

Equipment Alert
The Two Point calibration will calibrate the scale using only one weight that can be user defined. This calibration procedure is effective and can be used in the field with a test weight.

Step 1: Enter Setup mode.
A) Press and hold Reweigh and Zero together.
B) Release both buttons when the display reads **CAL n**.

Step 2: *Press + button to change display to* **CAL y.**

Step 3: Press length.

Note: Display reads **CAL 0**

Step 4: Remove all weight from the scale platform.

Note: During calibration be sure vibration and air currents are not present.

Calibration Procedure continued...

Equipment Alert
A 30 lb weight is required for this procedure.

Step 5: Calibrate

A) Press length to perform zero calibration.
B) The display will count down to zero. The counter will reset if too much motion (Er nn) is detected.
C) The scale will display 40.00, representing a 40 lbs span point calibration.
D) Change the calibration weight by using the + or - buttons to scroll the weight value to 30 lbs.
E) Place a 30 lbs weight on the platform.
F) Press length to accept the span weight value. The display will count down to zero and return to the weigh mode.

Note: The span weight value can be changed to any weight between 5 and 40 LB. For maximum accuracy, use between 20 lbs to 40 lbs.

Note
If Erng appears on the display, the span calibration has detected a negative range. If this error persists, consult the raw counts table. The following table shows the acceptable Raw Counts for no load and full load. Raw Counts can be viewed through the last setup parameter. Refer to parameter setup on the next page for more information regarding parameter viewing. If the scales raw count is not within the ranges specified in the following table, replace the scale.

Calibration Requirement in Raw Counts	**Minimum**	**Maximum**
Zero Calibration Point	200	20000
Required Calibration Span *(100% of Capacity Scale Cal Point - Zero Cal Point)*	6000	30000
Required Calibration Span *(5% of Capacity Scale Cal Point - Zero Cal Point)*	300	1500