Lift Motor Calibration

About

This procedure provides instruction to verify and calibrate the Lift Motor and incline system. The Lift Motor calibration should be verified anytime the Lift Motor circuit breaker fails or is replaced or any incline system component is replaced.

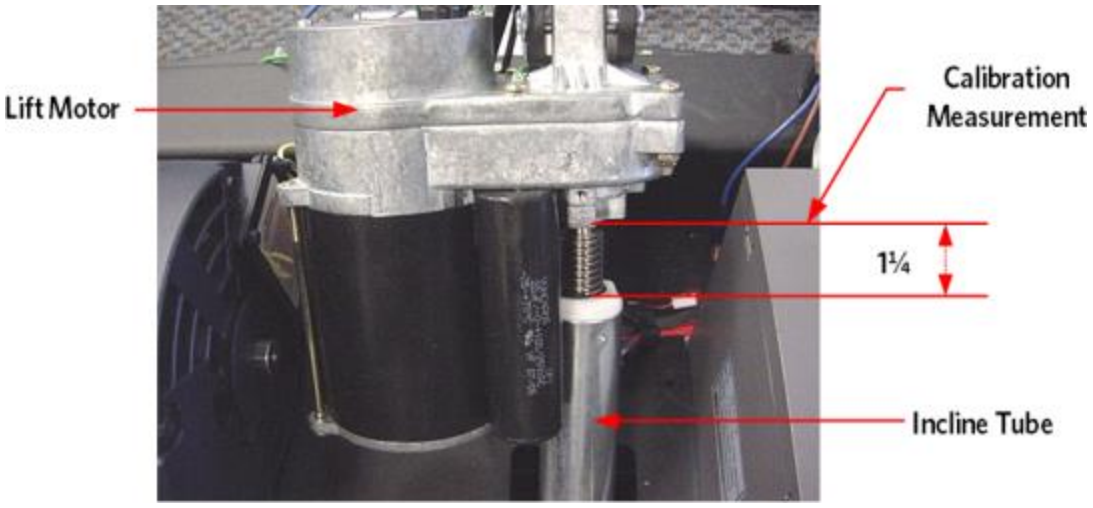
Procedure

Review entire procedure before starting.

1. Toggle the treadmill circuit breaker from **OFF** to **ON**. The treadmill will begin to auto-reset the running deck incline to the 0% incline level "Home" position (This is the Lift Motor calibration reference position).

WARNING: Be aware that switching power **ON** will cause the Lift Motor actuator to auto-rese and platform. Keep clear of incline system components.

2. Set the treadmill circuit breaker to **OFF** and disconnect the power cord.
3. Access the Lift Motor actuator tube in one of the following methods:
    a. From the bottom by carefully laying the treadmill on its side
    b. From the front by connecting power and raising the treadmill to maximum incline and resting the frame base onto blocks securely placed under the front corners of the frame (removes weight from the incline platform and Lift Motor actuator tube). Switch power **OFF** and **unplug** the power cord.
4. Disconnect the actuator tube from the incline platform mounting bracket by removing the hitch pin and clevis pin.
5. Set the actuator reference gap (distance between the top of the actuator tube (or nut) to the bottom of the Lift Motor housing) to 1 1/4 in (3.175 cm). Firmly hold the jack screw from turning and rotate the actuator tube to adjust the reference distance.



6. Re-Install the actuator tube into the incline platform mounting bracket. It may be necessary to slightly rotate the actuator tube to align the clevis pin mounting holes. Choose the adjustment direction that will minimize the change to the actuator tube reference distance. Hold the jack screw from turning while adjusting the actuator tube.
7. Return the treadmill to the upright position or remove support blocks.
8. Level the Treadmill.
9. Install the hood.
10. Connect the power cord and set the treadmill circuit breaker to **ON**.
11. Verify the treadmill incline operation through the full range of motion. Do the - **INCLINE TEST** diagnostic test.
12. Verify treadmill operation (see) and return to service.