

Treadmill Calibration Procedures

LED DISPLAY

Elevation calibration:

1. Turn the main power switch off (down by the power cord)
2. Press and hold down the FAST button while turning the main power switch on.
3. Press the DOWN key until the treadmill is physically level.
4. Check to see what the "Actual Grade" level is reading. This reading will be inside the Incline Window.
5. If the Actual Grade reading is not close to 0.0, adjust the potentiometer.
6. Adjust the potentiometer by loosening the small set screw on the side of the plastic white gears. A 1/16" allen wrench will be needed to loosen the set screw.
7. Turn the potentiometer until the actual grade reading is close to 0.0 (margin of error is +/-0.3). Make sure the Actual Grade reading is not in the negative.
8. Once the Actual Grade reading is close to 0.0, tighten the white gears back together. Make sure when the white gears are tightened back together that the Actual Grade does not change.
9. When the treadmill is level, LED 1 should be lit on the interface board and LED 2 should be off. If the correct light is not lit, adjust the cam accordingly.
10. Run the elevation up and down to make sure the white gears stay meshed together.
11. Once the elevation is calibrated, turn the main power switch to off; wait 30 seconds and then turn the main power switch on to exit this mode.

Speed calibration:

1. Turn the main power switch off (down by the power cord).
2. Press and hold the FAST key while turning the main power switch on.
3. Speed the treadmill up to the top speed.
4. Check to see what the "Actual Speed" reading is at, this will appear in the Time/Pace window.
5. If the Actual Speed is not close to the value in the Speed window, adjust the calibration by using either the S3 or S4 pushbuttons on the drive board (margin of error is +/-0.3).
6. Bring the speed back down 0 mph. Pull the emergency stop magnet off the display board for several seconds, put the magnet back on the display board. This saves the calibration settings that were just made.
7. Once the speed is calibrated, turn the main power switch to off; wait 30 seconds and then turn the main power switch on to exit this mode.

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