

Treadmill Calibration Procedures

4FRONT COLOR LCD DISPLAY

Elevation calibration: -3 to +22%

1. Turn the main power switch off and then back on again.
2. Press the ON button on the display board
3. Next press 9-1-1-ENTER.
4. The Diagnostic Screen will appear inside the LCD screen.
5. Press the DOWN button until the treadmill is at the full negative decline.
6. Check to see what the "Actual Grade" level is reading. This reading will be inside the LCD screen.
7. If the Actual Grade reading is not close to -3.0, adjust the potentiometer.
8. 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.
9. Turn the potentiometer until the actual grade reading is close to -3.0 (margin of error is +/- .3).
10. Once the Actual Grade reading is close to -3.0, tighten the white gears back together. Make sure when the white gears are tightened back together that the Actual Grade does not change.
11. When the treadmill is at the full negative decline, LED 1 should be lit on the interface board and LED 2 should be off. If the correct lights are not lit, adjust the cam accordingly.
12. Run the elevation up and down to make sure the white gears stay meshed together.
13. Once the elevation is calibrated, press the OFF button to exit this mode.

Speed calibration:

1. Turn the main power off then back on
2. Press the ON button on the display
3. Next press 9-1-1-ENTER
4. The Diagnostic Screen will appear inside the LCD screen.
5. Speed the treadmill up to the top speed.
6. Check to see what the "Actual Speed" reading is inside the LCD screen.
7. If the Actual Speed is not close to the Set Speed, adjust the calibration either the S3 or S4 pushbuttons on the drive board (margin of error is +/- .3)

8. Bring the speed back down 0 mph. Pull the emergency stop magnet off of the display board for several seconds, put the magnet back on the display board. This saves the calibration settings that were just made.
9. Once the speed is calibrated, press the OFF button to exit this mode.