

# Calibration

After installing an MCB into any treadmill, the unit will need to be calibrated. Calibration should be done anytime parts are swapped or replaced. It is also recommended that all treadmills should be re-calibrated at least every 6 months.

Calibration procedures are as follows:

## **Pro Tread – Pro • Pro S • Pro IR • Elite**

Enter the Maintenance Mode by pressing and holding '0', '2' and 'START' keys. While holding all 3 keys, release the '2' key only.

The unit will display "Maintenance Settings" then display "Units: English" or "Units: Metric".

Press the '8' key to enter the Motor Test Mode.

The display will read " 240 3 .0 "

Press the 'FOREST' key to start the auto-calibration. After 2-3 minutes the running belt and the numbers on the display will stop.

Press the 'STOP' key twice to exit calibration.

## **TR4500 • 4200 Sport • TR4000**

Enter the Maintenance Mode by pressing and holding '0', '2' and 'START' keys. While holding all 3 keys, release the '2' key only.

The unit will display "Maintenance Settings" then display "Units: English" or "Units: Metric".

Press the '8' key to enter the Motor Test Mode.

The display will read " 240 3 .0 "

Press the 'HEART' key to start the auto-calibration. After 2-3 minutes the running belt and the numbers on the display will stop.

Press the 'STOP' key twice to exit calibration.

## **TR1800s • TR1800HRP**

With the power switch turned Off, press and hold the 'Scan/Lock' key while the power switch is turned On.

As soon as the unit is On and beeps, release the 'Scan/Lock' key.

The display will read " 240 (or210) 3 .0 "

Press the 'COOL DOWN' key to start the auto-calibration.

After 2-3 minutes the running belt and the numbers on the display will stop.

Press the 'STOP' key twice to exit calibration.

## **TR3900 • TR3500**

With the power switch turned Off, press and hold the 'Display/Scroll' key while the power switch is turned On. As soon as the unit is On and beeps, release the 'Display/Scroll' key.

The display will read " t E S t " and will scroll through a few sets of numbers.

When the display reads " t E S t " again, press the 'START' key to start the auto-calibration.

After 2-3 minutes the running belt will begin to slow and the elevation system will incline up a few degrees, then decline back down to 0%.

Press the 'STOP' key twice to exit calibration.

# Troubleshooting

**Symptom:** Treadmill does not calibrate (Runs to around 9 mph and holds)

**Symptom:** After pressing 'START' the units gives a display code

**Symptom:** Auto-transformer smoked with J8 in place (See Figure 2)

**Action:** Verify jumper settings

**Action:** Troubleshoot code  
<http://support.startrac.com>

**Action:** Replace part.