Models: 1800/1820

Warning: Do not stand on the running belt while performing these tests.

I. Engaging MotorTest Mode from Engineering Mode: Use Motor Test Mode to calibrate the PWM board. This mode will also verify elevation and speed response.

- Press and hold the "SCAN", "TRACK/PROFILE" & "ELEVATION DOWN" keys together. While holding the " SCAN " & "ELEVATION DOWN" keys down, release the "TRACK/PROFILE" key.
- The display beep and will read: **ENGINEERING**
- Press and release the "SCAN" key
- Display will read: **XXX 3 .0** if treadmill is at 0% display will read: **240 3 .0**

Alternative mode to enter Motor Test Mode:

- Turn the power switch on while pressing the "SCAN" key simultaneously on the display.
- The display will read: **XXX 3 .0** if treadmill is at 0% display will read: **240 3 .0**

II. Using Motor Test Mode keys:

- ELEVATION UP/DOWN KEYS: Moves elevation motor up or down.
- SPEED +/- : Increments or decrements motor speed displayed in mph or kmh.
- START KEY: Burn-in mode. Burn-in will run program #8 indefinitely at max speed.
- STOP KEY: Exists Motor Test Mode.
- TRACK/PROFILE KEY: Selects elevation variable to be saved.
  EX: If recalibrating the 0%.
  EX: If recalibrating the maximum elevation.
- SCAN KEY: Saves the elevation value selected above.
- COOL DOWN KEY: Calibrates MIN PWM and MAX PWM for MIN SPD and MAX SPD automatically. This takes less than 3 minutes; the belt will be in motion during this test.
- TRACK/PROFILE KEY: Displays "PROFILE"
- PROGRAM: Displays "PROGRAM"

III. Automatic Speed Calibration:

In this mode minimum and maximum speed is automatically calibrated.

- Press and hold the " SCAN ", "TRACK/PROFILE " & " ELEVATION DOWN " keys together. While holding the " SCAN " & " ELEVATION DOWN " keys down, release the " TRACK/PROFILE " key.
- The display will beep and read: **ENGINEERING**
- Press and release the "SCAN" key.
- Display will read: **XXX 3 .O** (XXX is a variable number depending on what % elevation the treadmill is at.) If treadmill is physically at 0% display should read: **240 3 .O**
- Press "COOL DOWN" key, display will read: **CALI** treadmill will go into an automatic speed calibration for about 3 minutes.
- Press "STOP" key to exit Motor Test.

IV. Re-calibrating the 0%:

- Press and hold "SCAN", "TRACK/PROFILE" & "ELEVATION DOWN" keys together. While holding the " SCAN" & "ELEVATION DOWN" keys down, release the "TRACK/PROFILE" key
- The display will beep and read: **ENGINEERING**
- Press and release the "SCAN" key.
- Display will read: **XXX 3 .O** (XXX is a variable number depending on what % elevation the treadmill is at.) Press elevation UP or DOWN key until XXX 3 .0 reads : **240 3 .0**
- Press the "TRACK/PROFILE" key. The letter **Z** will be displayed next to 240.
- Press the "SCAN" key to save the above elevation.
- Press "STOP" key to exit Motor Test.

III. Automatic Speed Calibration:

In this mode minimum and maximum speed is automatically calibrated.

- Press and hold the " SCAN ", "TRACK/PROFILE " & " ELEVATION DOWN " keys together. While holding the " SCAN " & " ELEVATION DOWN " keys down, release the " TRACK/PROFILE " key.
- The display will beep and read: **ENGINEERING**
- Press and release the "SCAN" key.
- Display will read: **XXX 3 .O** (XXX is a variable number depending on what % elev-.ion the treadmill is at.) If treadmill is phy-sically at 0% display should read: **240 3 .O**
- ess "COOL DOWN" or "PROGRAM ꜱELECT" key, display will read: **CALI** treadmill will go into an automatic speed calibration for about 3 minutes.
- Press "STOP" key to exit Motor Test.

IV. Re-calibrating the 0%:

- Press and hold "SCAN", "TRACK/PROFILE" & "ELEVATION DOWN" keys together. While holding the " SCAN" & "ELEVATION DOWN" keys down, release the "TRACK/PROFILE" key
- The display will beep and read: **ENGINEERING**
- Press and release the "SCAN" key.
- Display will read: **XXX 3 .O** (XXX is a variable number depending on what % elev-ation the treadmill is at.) Press elevation UP or DOWN key until **XXX 3 .0** reads : **240 3 .0**
- Press the "TRACK/PROFILE" key. The letter **Z** will be displayed next to 240.
- Press the "SCAN" key to save the above elevation.
- Press "STOP" key to exit Motor Test.