Motor Test Mode

Motor Test Mode allows you to test major components such the RPM Sensor, Motor response, MCB PWM readings and engages auto-calibration. To engage Motor Test Mode:

__***Caution*** : Do not stand on the running belt while performing these test.__

WHEN SHOULD MOTOR TEST MODE BE ENGAGED?
Motor Test Mode should be engaged whenever a speed or elevation issue occurs.

1. Press and hold the " 0 ", " 2 " & " START " keys together. While holding the " 0 " & " START " keys down, release the " 2 " key only.

2. The display will beep and display MAINTENANCE momentarily, then UNITS will be displayed.

3. Then press key " 8" display will read:

240	3	.0
A. Elevation Motor Range.	**B.** PWM Duty Cycle.	**C.** RPM feedback

Once the treadmill is in TEST Mode, you may use the following keys:

INCLINE KEY: Adjust voltage to incline motor, inclines the treadmill in increments of 1%. When using the Incline Keys verify the elevation system is responding correctly by the following:
- As the treadmill elevates up and down verify the corresponding LEDs **D31 & D32** light up on the MCB. (See page **22-23** for MCB/LED layout
- Verify that the Elevation Motor Range (see above A column) is changing in increments of 1% as the treadmill elevates up and down.

__Caution:__ Do not elevate treadmill above 15% = 57 (110v units), 80 (220v units) or below 0% = 240 (110 & 220v units) mechanical damage may occur.

SPEED KEYS: Adjust the PWM duty cycle and motor speed up and down, respectively, in increments of 0.1 mph (UNITS=English) or 0.1km/hr (UNITS = Metric). When using the Speed Keys verify the speed control system is responding correctly by the following:
- As the treadmill begins to increase speed, verify that the display registers RPM feedback (see above C column) in increments of 0.1 mph/km.

FOREST KEY: Starts automatic calibration of minimum, 1/2 maximum, & maximum speed.

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STOP KEY: Exists MOTOR TEST Mode and restarts the treadmill.