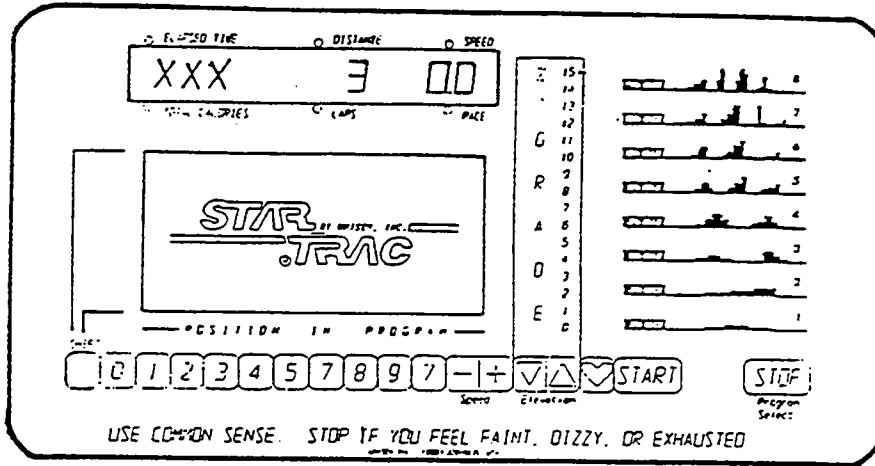


Eprom 2.3 SN# 402596 - 404000.

Models: 3050/4000/4010/4020



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

I. Engaging Engineering Mode:

- Press and hold the “0”, “1” & “START” keys together. While holding the “0” & “START” keys down, release the “1” key.
- The display will read: **ENGINEERING**

Using Engineering Mode Keys:

- **ELEVATION UP/DOWN KEYS:** Displays the next or previous parameter.
- **SPEED +/- :** Increments/decrements the displayed parameter.
- **START KEY:** Saves the value if changed in the displayed parameter in EEPROM.
- **STOP KEY:** Restarts the console.
- **0 - 9 KEYS:** Enters new parameter values. (Exception: If **GRAPH** or **UNITS** parameters are displayed, key 5 starts **DISPLAY TEST** and key 8 starts **MOTOR TEST**.)
- **HEART:** Displays parameter’s default value, except for **LSTDCK** and **LSTBLT**. In these two cases, the value of miles is displayed when **HEART** key is pressed.

II. Parameters:

Engineering parameters are listed below in the order which they appear when the **ELEVATION UP** key is pressed successively after entering Engineering Mode.

User may customize the following variables, displayed with this symbol .

Manufacturer defaults are shown in ().

- UNITS:** Options: 0 / 1
(1) 0 = English 1 = Metric
- HRT:** Options: 0 / 1 / 2
(0) 0 = No heart sense 1 = Polar sense 2 = Contact heart sense
- EL REV:** 0 - 255
(76) 0 = disables the elevation system.
- 10 REV:** 22.0 - 74.0
(29.1) Distance in inches of belt travel, per 10 flywheel revolutions.
27.5” = 1.6” diameter motor pulley
29.1” = 1.7” diameter motor pulley
30.6” = 1.8” diameter motor pulley
35.8” = 2.1” for 220v metric units.
- CNT/RV:** Notches on the flywheel, or windows on the RPM Disc.
(31) 31 = Magnetic/flywheel
125 = Optical RPM & Disc
- MN SPD:** 0.1 - 1.9
(.5) Minimum speed in kmh or mph.
- MX SPD:** 2.0 - 20.0
(10.0) Maximum speed in kmh or mph.

Models: 3050/4000/4010/4020

- MN PWM: 2 - 55
Duty cycle to obtain MIN SPD kmh or mph. (NOTE: .5 mph & .5 kmh are different speeds and therefore will need different values). This value will be set automatically during **Auto Cali** in Test Mode.
- 1/2 MAX: 0 - 130
This is set automatically in **Auto Cali**.
- MX PWM: 86 - 255
Duty Cycle to obtain MAX SPD
This value is also set automatically during **Auto Cali** in Test Mode.
- WEIGHT: 0 - 399
(155) User's weight for calorie data.
- TIME: 86 - 255
(99) Max. time allowed for a prog. including warm up & cool down. Depending on cust. preference.
- OP HRS: 0 - 6553.5
(0) Number of hours treadmill has been in operation.
- DIST: 0 - 65535
(0) Distance recorded in the EPROM.
- LSTDCK: 0 - 65535
(0) Number of miles when deck last serviced or belt rewaxed. ♥ key will automatically insert the miles.
- LSTBLT: 0 - 65535
(0) Number of miles when belt last replaced. ♥ key will automatically insert the miles.
- SER NO: 0 - 65535
(0) Serial number.
- DATE: 1.00 - 12.99
(0) Mfg. date.
- NO STO: No stop key.
(0) Number of occurrences.
- KEY DN: Key stuck down at power up.
(0) Number of occurrences.
- NO RPM: RPM feedback loss.
(0) Number of occurrences.
- SP CNG: Sudden speed change.
(0) Number of occurrences.
- EL STL: Elevation stall.
(0) Number of occurrences.
- EL RNG: Elevation beyond 0-15% range during reset.
(0) Number of occurrences.
- EL LOST: Elevation beyond 0-15% range after reset.
(0) Number of occurrences.
- EL NOZ: Elevation loss when seeking 0%.
(0) Number of occurrences.
- ELZERO: Represents 0%.
(240)
- ELMAX: Represents 15%.
(57)

The following variables store the condition when the last error occurred:

- LSTERR: Displays last error code by # .
18 = NO STO 22 = EL STL
19 = KEY DN 23 = EL RNG
20 = NO RPM 24 = EL LOST
21 = SP CNG 25 = EL NOZ
- LSTELV: Target elevation prior to error.
- LSTPOT: Elevation feedback (count).
- LSTRES: 1=Resetting 0% at start-up.
2=Finished resetting 0%.
- LSTSSP: Set speed prior to error.
- LSTPWM: PWM number.
- LSTMSP: Measured speed.
- LST TM: Elapsed time since last error code.