

3. Press **Stop Belt**, **Faster**, and **Slower** simultaneously to exit the service mode; do not press the **Power** key.
4. Press and hold **Up** or **Down** to change grade.
5. When testing is finished, press **Clear**, or press **Power** twice to exit open-loop mode.

## Actual Grade (Plus Models only)

In Service mode, the treadmill displays actual grade rather than the target grade.

## LCD Display Test (Plus Models only)

The LCD display test verifies that the display and its electronics are functioning correctly. If any one of the six tests fails, see *Electrical Problems* troubleshooting table, page 3-2.

Select the *LCD Display Test* to begin the series of six tests. To progress from one test to the next, select **Next**.

### 1. Display Limits Test

A box appears with a one-pixel border between the outer edge of the box and the edge of the display. A single horizontal and vertical line intersects the box. If the box does not appear as described, the test has failed.

### 2. All pixels ON

The entire display should appear white. A corrupted pixel would be black.

### 3. All pixels OFF

The entire display should be off or dark. A corrupted pixel would be white.

### 4. Contrast

The contrast changes smoothly from maximum contrast to minimum. Large jumps in contrast could indicate a failure in the contrast circuit or LCD.

### 5. Fluorescent tube brightness test

The tube adjusts to its three possible states, going from bright to dim to off, then back to bright. The sequence continues until you press the MENU key.

### 6. Fonts

The screen displays the alphabet. Garbled characters indicate an electronics or LCD problem.

## LCD Contrast (Plus Models only)

Select the *LCD Contrast* key. After adjusting, press **Enter** to store the selected value. The setting remains when the treadmill is turned off. Always adjust the screen contrast after performing the NV

PROGRAM LOAD test—the load test resets the contrast to the default value.

## LCD Brightness

The LCD brightness is not adjustable.

## External RS232 Port Test (Plus Models only)

The controller automatically tests the RS232 chip during power up using an internal loop-back test. To test further, connect an external loop-back connector, then select the RS232 Port Test key. The loop back connects the transmit out to the receive in, allowing the controller to verify proper operation through the external connector. As the test progresses, the LCD displays a series of numbers. **FAIL** appears if an error occurs. Remove the loop-back connector after the test is finished.

## Program Loop (Plus Models only)

For long term testing of grade and speed changes, the system may be put into a continuous running program course.

1. Press **Stop**, **Faster**, and **Slower** simultaneously to enter Service Mode.
2. Continue to press **Next** until **Prog Loop** appears, then select the button.
3. Press **Return** to return to Service screens.
4. Press **Exit** to leave Service Mode.
5. Select a Workout Program based on time, and start the course. The treadmill will continue to loop (or be in this mode) until **Power** is pressed.

## Clearing Nonvolatile RAM

This will correct E105 errors, clear accumulated Time and Distance, Error Log, custom programs, and the custom introduction screen.

## ClubTrack Models

1. Press **Stop**, **Faster**, and **Slower** simultaneously to enter Service Mode (screen will display P000).
2. Press **Stop** and **Cool Down** to clear and initialize ALL updateable parameters.
3. Reconfigure the controller to CP3 (612) or CP10 (510)
  - Press **Stop Belt** and **+** simultaneously to increase the configuration number