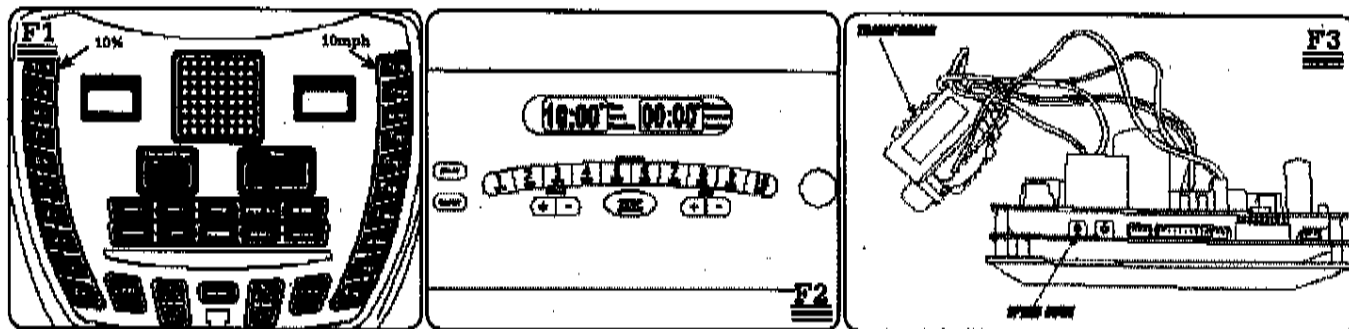


Manual and Auto Calibration Instructions

For Models: Advance 205 | T20 | T30 | T40 | 2.0T | 3.0T | 4.0T | 5.0T | Free Spirit 200 | Free Spirit 300 | Free Spirit 400 | 1.1T | 2.1T | 3.1T | 4.1T | 5.1T | T25 | T35



Step One | Entering the Engineering Mode

- 1 Turn the treadmill power to ON.
- 2 Place the safety key in position on the console.
- 3 Simultaneously press and hold (for about five seconds) the following buttons:
For Models 3.0T | 4.0T | 5.0T | Free Spirit 200, 300, 400: The "10%" and "10mph" buttons. (F1)
All other Models: The incline "+" (▲) and speed "-" (▼) buttons. (F1 & F2)
- 4 The console should beep three times and ENG0 (EN90) should be displayed. This indicates you are in the engineering menu.

Note: if ENG0 (EN90) is not displayed, but ENG (EN9) is displayed with another number at the end, you are still in the engineering menu. Use the "+" (▲) or "-" (▼) buttons to navigate to the correct menu. See following instructions.

Step Two | Manual Calibration

- 1 Press the speed "+" (▲) or "-" (▼) button until ENG1 (EN91) is displayed.
- 2 Press and hold the "Start" button for about three seconds to select.
For Models 4.1T | 5.1T: Press and hold the "Select" button for about three seconds to select.



Do NOT stand on the running belt when calibrating. Use the guide rails instead.

- 3 Press the "Start" button to begin manual calibration. The Running belt should begin moving.
- 4 The readout in the speed window will indicate the start speed of the unit. This should be 0.5mph (+ or - .05). If the speed is not within the proper start range, adjust the speed cube (F3) until the speed window (F2) readout is correct. (See note below)

Note: The speed cube is located on the Motor Control Board. It is blue with a small yellow screw. (F3) When adjusting the speed cube, turn the screw right to increase the speed and left to decrease the speed. Use small increments as the speed cube is sensitive and will respond to each change. **DO NOT PUSH DOWN HARD ON THE SCREW.**

- 5 Once the speed readout is at the proper setting, press and hold the "Stop" button for about three seconds to return to the engineering menu. Proceed to the following instructions to Auto Calibrate the unit.

Step Three | Auto Calibration

After following the steps above you will have one step left to complete the calibration process.

Note: If you are not in the engineering menu, follow steps 1-4 from Entering the Engineering Mode.

- 1 Press the speed "+" (▲) or "-" (▼) buttons until ENG2 (EN92) is displayed.
- 2 Press and hold the "Start" button for about three seconds to select.
For Models 4.1T | 5.1T: Press and hold the "Select" button for about three seconds to select.
- 3 Press the "Start" button to begin.

The running belt will begin moving and will automatically begin the auto-calibration sequence to properly set and store the speed values. Upon successful calibration there will be four beeps and it will automatically exit the Engineering Mode and will return to the original screen. The whole process will typically take about two minutes.

Upper Board/Reed Switch Replacement

Tools required:

- Phillips Screwdriver

Procedure:

- 1) Turn off the power to the treadmill and unplug the power cord from the wall outlet.
- 2) Remove screws connecting faceplate to console shell. (For 2001-2004 models Remove the screws from the back of the console pannel. See figure 7)
- 3) For Models T81 -T84/CST 3.5 & 4.5/DT850 & 850/WT850 Only – Unplug and remove reed switch from small plastic knobs. (Figures 1 & 3)

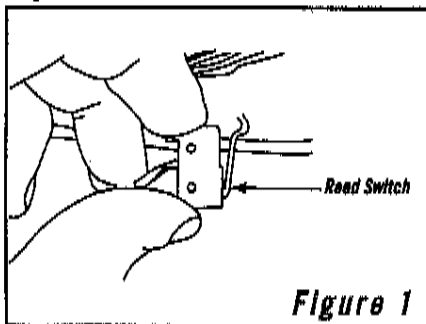


Figure 1

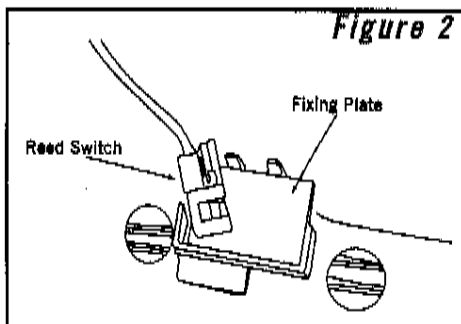


Figure 2

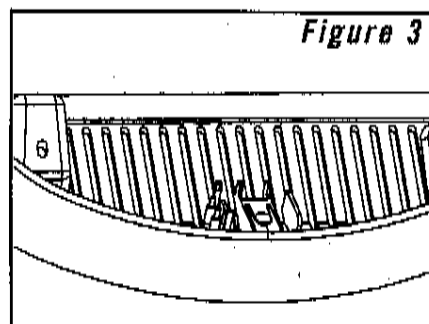


Figure 3

- 4) For Models PST 6 & 8/1.2T-5.2T Only – Unplug reed switch from upper board and remove switch from fixing plate. (figure 2) Skip to step 8.

You will need an adhesive when reinstalling new switch.

- 5) Unplug all the cables to the upper board.
- 6) Remove screws holding upper board to faceplate (console pannel for 2001-2004 models) and replace old upper board with new one. (Figures 4, 5, 6)
- 7) Reconnect all cables to the new upper board.
- 8) Reattach the faceplate (back console panel for 2001-2004 models) and tighten all screws.
- 9) Calibrate unit with instructions. (If instructions were not included contact Horizon Fitness 800-244-4192)

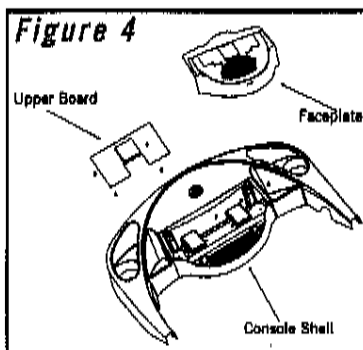


Figure 4

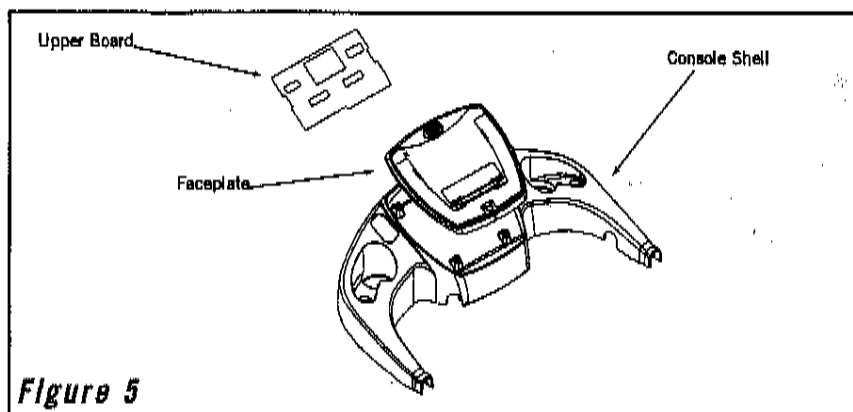


Figure 5

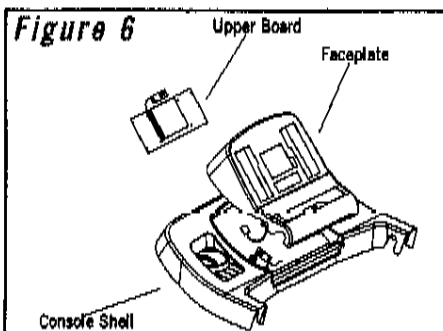


Figure 6

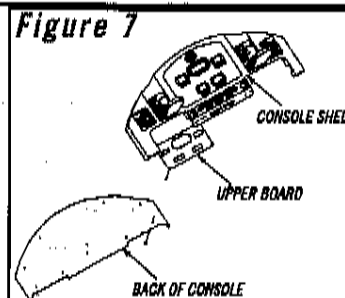


Figure 7