

Troubleshooting: Ellipticals *continued*

X6600HRT

CONSOLE/DISPLAY PROBLEMS

Symptom	Solution
Blank Console	- Check power as follows: 5.5VDC and 14VDC need to be present at the console while pedaling slowly. Check voltages at console AND lower board (see electrical diagram and System Detail Supplement). - If correct voltages are present at console, replace console. - If voltages are not present at console, check lower board. - If voltages are present at lower board BUT NOT at console, replace wire harness. - If voltages are not present AT LOWER BOARD, check generator voltage. - Check generator (see electrical diagram and Troubleshooting Supplement). - If generator voltages are correct AND equal between phases, replace lower board. - If generator voltages are incorrect, replace generator.
Symptom	Solution
Console starts ok, but goes blank after a few seconds of use.	- Console is not receiving RPM signal from lower board. - Check RPM signal at lower board. (see electrical diagram) If signal is present at lower board check for signal at console. - If signal is present at console, replace console. - If signal is present at lower board but NOT present at console, replace wire harness.
Symptom	Solution
Display goes into engineering mode by itself	- JP1 pins behind console are touching (shorted). - Separate the 2 pins from touching

Troubleshooting: Ellipticals *continued*

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SPEED AND CALORIES PROBLEMS

Symptom	Solution
Speed/Distance values seem way off.	- Miles/Kilometer switch behind console is set incorrectly - Remove console and move the Miles/Kilometer switch to appropriate setting
Symptom	Solution
ALL Speed, Distance, Calories, and Watts readings are missing.	- Check for presence of RPM signal in Engineering Mode (See Engineering Guide- SUBGROUP Eng3) - If no RPM display in Engineering Mode, signal is likely missing at console - Check wire harness, lower board and generator(See electrical diagram and Troubleshooting Supplement)
Symptom	Solution
Calories are double or 1/2 of correct value.	- Console may be configured for Bike. - See engineering guide to configure console for Elliptical

Troubleshooting: Ellipticals *continued*

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HEART RATE PROBLEMS

Symptom	Solution
No Heart Rate	1. ALL HEART RATE ISSUES should first be addressed by eliminating any possible environmental disturbances. Such disturbances can be caused by: • Electronic pet fences, cell phones, cordless phones, TV remotes, TVs in close proximity, radios and stereos in close proximity, satellite dishes, fluorescent lights, etc.
Symptom	Solution
No Heart Rate (After checking for environmental disturbances)	1. Clean grip contacts with rubbing alcohol. 2. Check HR function in Engineering Mode (See Engineering Guide - SUBGROUP Eng3) 3. If no heart rate from chest strap OR contact grips: • Replace console 4. If no heart rate from chest strap, but HR works with contact grips: • Replace transmitter or transmitter batteries 5. If no heart rate from contact grips, but HR works with chest strap: • Check all connections between grips, grip wires and console • If all connections seem ok replace grips and wires • Replace console
Symptom	Solution
Heart Rate is intermittent and/or erroneous	1. Clean grip contacts with rubbing alcohol. 2. Eliminate any environmental disturbances. (see HEART RATE ISSUES above) 3. Check HR function in Engineering Mode (See Engineering Guide - SUBGROUP Eng3) 4. Check transmitter batteries 5. Check all connections between contact grips, grip wires and console • Replace transmitter/batteries and/or grips and wires. • Replace console

Troubleshooting: Ellipticals *continued*

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RESISTANCE (BRAKE) PROBLEMS

Symptom	Solution
No Resistance	1. Check connections of the braking resistor at the lower board. The Braking Resistor is the very large external (aluminum) resistor mounted on the frame of the elliptical or trainer in close proximity to the lower control board. If the Braking Resistor is not connected securely ALL resistance will be lost • See electrical diagram
Symptom	Solution
Resistance is too weak or too strong	1. Check Brake Function Test in Engineering Mode (See Engineering Guide - SUBGROUP Eng4) 2. Check connections of the wire harness at the lower board and the console. The console controls the resistance level via the D/A signal. 3. Check the D/A voltage level at the lower board. (see electrical diagram AND brake voltage chart)