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## ELECTRONIC TROUBLESHOOTING

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### 1. PROBLEM: The LCD shows no display

- SOLUTION:**
- Make sure the batteries are seated properly, installed correctly (+/-), and the correct voltage.
  - Check the battery contacts for oxidation or corrosion.
  - Check all connections.
  - Inspect the cable for breaks or bad connections.
  - If all of the above are ok, replace the computer.

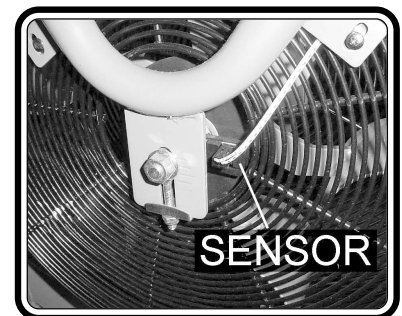
**NOTE:** We have seen a number of PC boards damaged by mounting screws. This is not a manufacturer's defect and does not qualify for warranty replacement.



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### 2. PROBLEM: The computer is on but has no WATTS reading

- SOLUTION:**
- Using a multimeter, test the continuity of the fan sensor and fan sensor wire. If either is bad replace it.



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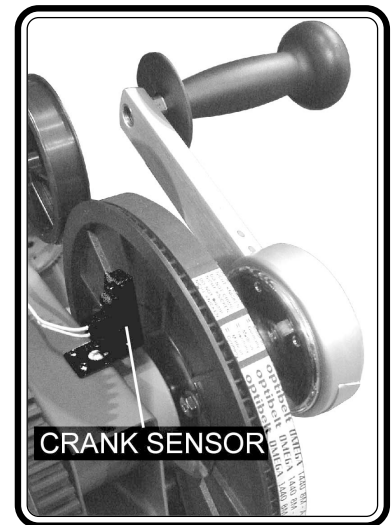
## ELECTRONIC TROUBLESHOOTING

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### 3. PROBLEM: The RPM's are not working but WATTS are.

**SOLUTION:** a. Using a multimeter, test the continuity of the crank sensor and the crank sensor wire. If either is bad, replace it.



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### 4. PROBLEM: The resistance display is not working

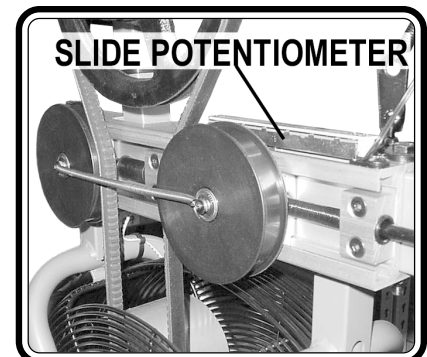
**SOLUTION:** a. Make sure the two pronged plug is securely plugged into the back of the computer.

b. Recalibrate the resistance.

Recalibration procedure:

1. Turn the resistance crank counterclockwise until it stops.
2. Simultaneously press the "ENTER" and "MANUAL" keys.
3. Press the "RACE" key, then press enter.
4. Turn the crank to full resistance and press "ENTER".

c. Using a volt meter, test the continuity of the sensor wire. If the wire is good, replace the slide potentiometer.





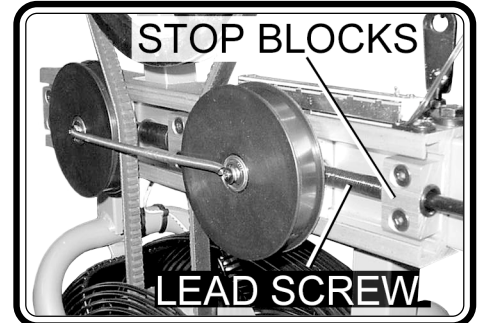

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## MECHANICAL TROUBLESHOOTING

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### 1. PROBLEM: The resistance crank doesn't move freely

- SOLUTION:**
- Remove the shrouds and make sure the threads on the lead screw are not damaged. If the lead screw is not damaged, grease the threads.
  - Remove the resistance mechanism by removing the stop blocks. Replace any parts that do not slide freely on the lead screw.



**NOTE:** During reassembly, keep in mind that the lead screw has a left hand thread on one end and a right hand thread on the other. Also, the right hand pulley block has a hole on top to accept the slide potentiometer.

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### 2. PROBLEM: Interference or rubbing when pedaling in reverse

- SOLUTION:**
- Remove shrouds and check pulleys for damage and proper alignment.
  - Pedal the unit backwards and then let go of the crank. If the cranks suddenly catch and reverse direction this is an indication that the washer is rubbing on the V belt pulley. Order the Windjammer Washer Retro Fit Kit and follow the procedure outlined below.

Replace the 4.6mm nylon washer on the middle hub with the correct 4.0mm nylon washer. Also, the addition of a 16mm OD, 9.60mm ID, 1mm thick metal washer between the end of the middle hub axle and the axle nut washer should guarantee that all interference has been removed.

Procedure:

1. Remove the left-hand crank system.
2. Remove the left-hand shroud using a standard Phillips head screwdriver.
3. Remove the intermediate axle bolt using a 15mm socket wrench.
4. Place the washer between the axle nut washer and the axle itself.
5. Tighten the axle nut down with approximately 360 in-lbs. of torque.
6. Pedal the unit backward to verify that any interference has been removed.
7. Reinstall the left side shroud and cranks.