**How to Troubleshoot a Robot Control Board:**

1. Check for Bridged solder joints. Any area NOT CONNECTED BY SOLDER should not be connected. Use a de-soldering tool to separate the bridged connections and re-solder.
2. Check for COLD solder joints. These are joints that are often dull, not smooth, and often have dimples in them.
3. Check for parts in the right LOCATION. (Resistors especially)
4. Check for POLARITY of all parts. (Electrolytic Capacitors, Tantalum Capacitors, Diode, LED’s)
5. Check FAN Wiring. No small wires can cross over from Red to Black. Be sure Insulation is ALL the way down against the board.
6. Be sure ALL parts including sockets are mounted FLAT against the board.
7. If there are ANY suspect terminals for bridging, use a meter on continuity test to check. If two terminals are connected that are Not supposed to be, the continuity test will beep. (This means you need to de-solder the terminals and re-solder the terminals correctly.