

From Mike's Amateur Arcade monitor repair

19" k7000 <https://www.youtube.com/watch?v=1F2519wkGb0>

Dead / not powering on things to check

- Check fuse for proper value
- Check cracked and broken solder joints
- Check pots
- Reflow power section

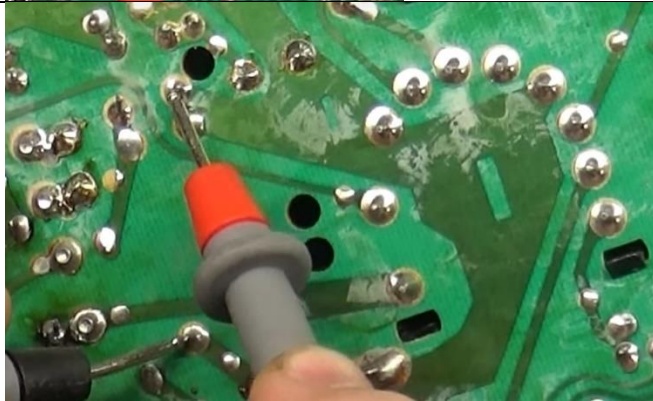
Test components


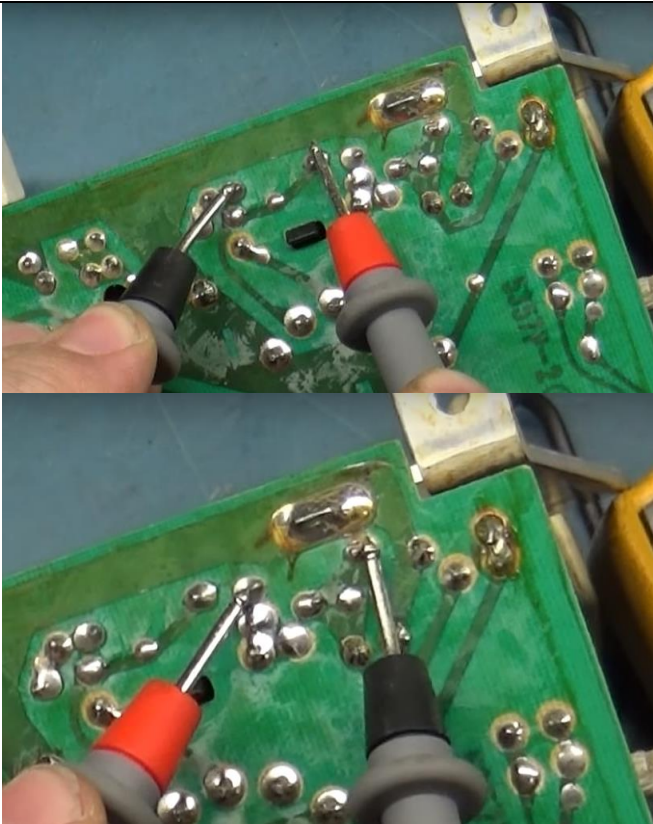

- HOT
(Horizontal Output Transistor) : diode test black middle: 0.4 – 0.6 both ways




If continuity = HOT shorted.
Needs to be replaced



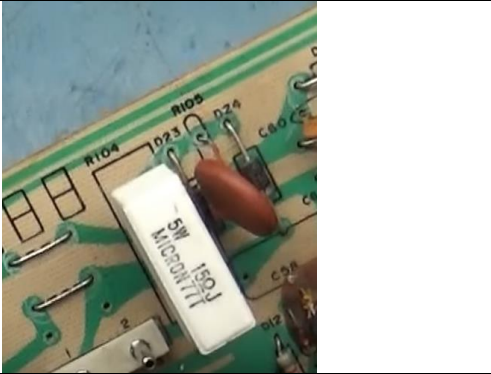
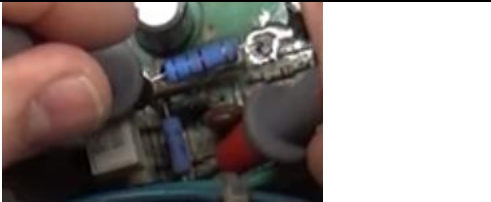

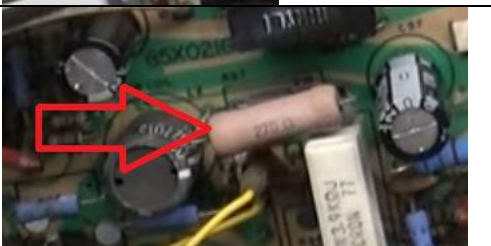


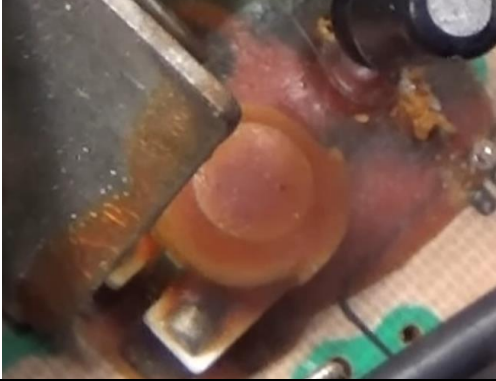

- C36 critical safety cap,
diode test
0.4 – 0.6 both ways



	
<p>- D13 diode test 0.4 – 0.6 And D14 (0.28, 0.28 – 0.3)</p>	
<p>C38 Make sure it's not shorted</p>	

<p>Voltage regulator (wide pin 1 and 4)</p> <p>diode .160</p> <p>Tall one pub 1 and 3 Or B+ resistor 180 Ohm for TALL or 220 for W)</p> <p>Or tall pin 1 and 4 = 180 own</p>	
<p>D18</p>	
<p>R103</p> <p>2.7</p>	

<p>Rectifier diodes (will blow fuse if bad. Means non isolation transformer was used)</p>		
<p>R101 5K</p>		
<p>R104 15 ohm</p>		
<p>R88 1.8</p>		
<p>R89 3.9</p>		
<p>R97 270</p>		

<p>Test Shutdown circuit</p> <p>Needs to be 9.8 OHM</p> <p>D12 cathode + Frame ground</p> <p>Might need to replace the pot if bad!</p>	
<p>Neck board</p> <p>Diode mode</p> <p>Test transistors</p>	
<p>P548</p>	
<p>Testing Vertical IC</p> <p>Only pin one should be a dead short to ground only. if there are no jumper here:</p> <p>If there are more, ic is bad. Needs to be removed to be tested</p>	
<p>Width</p>	<p>Too small:</p> <p>The lower the top number = the wider the image</p> <p>334 / 250v C38</p>