

Help with a homemade test set

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2006-03/msg02196.html>

- *From:* "rsnella" <rsnella@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* 16 Mar 2006 06:20:02 -0800
-

I have an old home made "test system" that was made by my father, a test set designer for Western Electric PBX, in about 1969. It was given to me for Christmas and was called a "Computer". I now have a 5 year old son and he wants me to get this working again.

The first problem I am having is that I was a real boy and took it apart and lost some of the wires, and broke off some of the connections when I was young.

The second problem is that my father passed away 3 years ago and we did not fix it before he got sick.

The third is that I have not worked on circuits for far to many years.

What this did was when the dial was turned it would light one of 10 lights across the top.

The test system has a 45 volt battery a western electric dial and a circuit board. The circuit board has 10 identical components. It looks like a resistor, to a transistor from there to a capacitor then to a diode and then to another capacitor. The first lights ground is hooked to all the other lights and to the dial on the Y terminal then the other side of the light is connected to the circuit. The BK terminal looks to go to the start of the circuit board. The BB terminal looks like there was a wire there, but none are connected. I can not find where the power should be connected, or where the ground should be connected.

Please help me, my Son is driving me nuts and I can not believe I broke this and never asked for help to fix it.

Help with a homemade test set