

# CTC169

---

*Source:* <http://sci.tech--archive.net/Archive/sci.electronics.repair/2007-03/msg00183.html>

---

- *From:* [rsouder@xxxxxxxxxx](mailto:rsouder@xxxxxxxxxx)
  - *Date:* 3 Mar 2007 13:59:05 -0800
- 

First off, let me say that I'm not a TV tech.... I'm an elec. eng. who does controls for a living.

Anyhow, I got this dead RCA set for free and am working on it for fun and to learn.

The TV: RCA colortrack 2000 invar CHASIS CTC169

The set was initially dead. After reading through many postings in this group... I have done the following troubleshooting and replaced the following components.

Failed components found:

blown 5A inline fuse  
Open flame proof resistor 2.5 ohm (if i remember correctly)  
Shorted B+ regulator

Components replaced: (based on my internet reading)

Above mentioned parts plus....

CR4118  
U4101  
C4102  
C4104  
C4108

The set is no longer dead but presents some odd symptoms. The set powers up.... audio is fine. The first thing I see is a horizontal green line across the screen which is shortly replaced by a picture. The picture and menus are darker then they should be and are vertically stretched. If I do an autoprogram (channel search), the picture will return to a normal size, but will remain on the dark side with the menus showing up in dark blue which is barely visible. Once, the set is powered down and back up, the picture is once again

vertically stretched and cured by autoprogram.

I've measured the cathode voltages of CR4118 & CR4116 to the ground around the picture tube. The voltage readings are 12.47 and 135 respectively. Based on my reading, these sound a bit low, but I'm not sure where to go from here. I have followed the ground path around the board and cleaned up some solder joints, but the symptoms persist. Any thoughts?

Thanks  
Bob