

## Re: IBM monitor won't start up – relay keeps tripping

**Source:** <http://sci.tech–archive.net/Archive/sci.electronics.repair/2004–07/1602.html>

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**From:** Van Gardner ([vanguard\\_at\\_worldnet.att.net](mailto:vanguard_at_worldnet.att.net))

**Date:** 07/19/04

Date: 19 Jul 2004 06:28:32 -0700

You said you "found" a display and it looked like it suffered a "fall" and now it has a power problem.

When I read this I visualized someone having a display with a power problem and throwing it (the fall) in a dumpster. Maybe the fall had nothing to do with the power problem. Last year I found two new looking Compaq CV535 displays in a dumpster behind a Rent To Buy store. One had an open 1meg resistor in the screen circuit and the other had a defective transistor in the red color circuit. They both are now on my other computer that I use for video editing.

P.S. I don't normally scrounge dumpsters but I was looking for some cardboard to lay on while doing some plumbing work under my house. It made my day.

Van Gardner

"Scott M" <[spamkiller@elp.rr.com](mailto:spamkiller@elp.rr.com)> wrote in message news:<[iw4Kc.3698\\$WP1.1996@fe1.texas.rr.com](mailto:iw4Kc.3698$WP1.1996@fe1.texas.rr.com)>...

> *Thank you both for your feedback. Upon close inspection of the PCB, I didn't  
> find any broken solder joints. I couldn't find any obvious short or open  
> circuits either. I did find a FET that has a D–S short. I removed the FET  
> and testted it off the board and it still showed a short. If I understand  
> correctly, a FET transistor is similar to the bipolar as a bipolar should  
> not have any short between E and C. Therefore, this WOULD indicate that the  
> FET is fried, correct? I do not understand how a fall would cause that to  
> happen, but if it's bad, I'll replace it.  
> I've got a few more to test, but all the other transistors and diodes look  
> OK as far as my DMM readings go. I'm also doing the best I can to trace the  
> power supply circuit with the schematic (which has been somewhat elusive so  
> far).*

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> *"Scott M" <[spamkiller@elp.rr.com](mailto:spamkiller@elp.rr.com)> wrote in message  
> news:[3cpIc.36687\\$W6.31701@fe2.texas.rr.com](mailto:3cpIc.36687$W6.31701@fe2.texas.rr.com)...*

>> *I found an IBM monitor model 6547–00N (chassis CM–1317). I cannot get the  
>> unit to start up. It has a relay that keeps clicking on–and–off but there*

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> is  
> > *NO VIDEO. The monitor apparently suffered from a fall but there are no*  
> > *visible cracks in the PCB. The monitor has a feature that causes it to*  
> > *de-guass automatically upon power-up and I suspect that the relay that's*  
> > *going on and off has something to do with the de-guass routine. Has anyone*  
> > *ever seen such a problem? My next step is to try and locate a schematic*  
> *for*  
> > *this monitor so I can check test-point voltages and begin tracing the*  
> > *relay's power supply.*  
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> > ----  
> > *Outgoing mail is certified Virus Free.*  
> > *Checked by AVG anti-virus system (<http://www.grisoft.com>).*  
> > *Version: 6.0.718 / Virus Database: 474 – Release Date: 7/10/2004*  
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