

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

Source: <http://sci.tech–archive.net/Archive/sci.electronics.repair/2004–07/1433.html>

From: Scott M (*spamkiller_at_elp.rr.com*)

Date: 07/17/04

Date: Sat, 17 Jul 2004 07:26:06 GMT

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).

"Scott M" <spamkiller@elp.rr.com> wrote in message
news: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
is*
> *NO VIDEO. The monitor appearently 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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> *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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