

Re: The long HP1980B repair story...

Source: <http://sci.tech-archive.net/Archive/sci.electronics.repair/2006-08/msg00220.html>

- *From:* Robert Obermayer <robert_ng@xxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Fri, 04 Aug 2006 15:05:35 +0200
-

Ohmster wrote:

I have no idea of what caused the problem. Faulty IC I would imagine, but I did indeed enjoy reading the story. You did a good job, Bob.

Might be, but what causes a IC to work flawlessly for 20 years and then suddenly fail?

I think (but cant really remember exactly) that the problem appeared while adjusting focus and that i heard some click (probably one of the many relays in there).

I already checked if the signal goes anywhere close to a high voltage wire (that could spark to it if moisture was present) but didnt turn out to be so.

I found the +18kV-wire being rather close to unrelated wires however and tied it away from them just to be safe.

Btw, thats how it looks now:

http://www.hobbyelektronik.org/robert/1980_ok.jpg

.