

HP 5370A Temperature solution

As read in newsletter also my 5370A heat-sink run very hot.

Hi all,
I just picked up an irresistibly cheap 5370A (so cheap I didn't ask if it worked).
So far it checks out ok, but I have some questions for those of you more familiar with this model.

1) The back panel heat-sink (4x TO3) is sitting on **76°C (168°F)**.
- is this normal?

2) Several resistors and diodes on the A6 Power Supply Controller show sign of excessive heat (specifically: CR1, R1 & R23).
All the A6 voltage rails are within 0.2V.
- Is this a normal sign of age or should I be looking for something that's NQR?

Judging by the stickers, it's probably spent it's entire life with the side panels on the wrong sides. This may help explain the overheated components.

cheers,
ian

Yup various components have been run hot.
Like others in this group add a fan to the heat sink. Found a way to route a wire out from the raw 5 volt supply to **run a 12 volt fan**. Think I took one bolt out of the heat sink to route the wire. Think I added a resistor as I did not need a lot of air to calm the heat sink down.

Definitely consider changing really stressed components they can be a bit brown and still be OK. Measure them.

Good luck
Regards
Paul
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I show my fan solution to not going outside the case body of the counter. The two mini fans are 12 Volts in series and they are connected to unregulated voltage of the 5 Volts chain (13 - 11 volts) from relays pin 12 and gnd. The temperature is dropping from 76 to max 50 deg. C. If you accept more fan noise lowering the temperature you can connect the two fans in parallel to run their maximum speed.

