

Re: IBM ThinkPad A21m Thermal Problem

Source: <http://sci.tech-archive.net/Archive/sci.electronics.repair/2005-04/msg01064.html>

- *From:* "hemyd" <mydspamhen@xxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 14 Apr 2005 18:05:32 +1000
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G'day Juan,

Go to this link

<http://www-1.ibm.com/support/docview.wss?uid=psg1MIGR-4PER6S>

and download the hardware maintenance manual.

What I normally do is check externally for any obvious obstructions to air flow at the air intake and vents.

If you've never taken apart a laptop then I suggest being very careful with dismantling the Thinkpad, as the A21 is relatively complex to dismantle. If you do decide to dismantle it, follow the instructions meticulously. Keep record of which screws go where. Take anti-static precautions and try to avoid touching circuitry.

Once the covers are off, it is relatively easy to remove the heatsink/fan assembly. I'd clean the fan blades by at least blowing them out, and I'd make sure that there is a good contact between the heatsink and the processor – use some thermal paste.

You can approach IBM re purchasing a new fan/heatsink assembly, but unfortunately you may find that the system board needs replacing, and that is very pricey. You also run the risk of putting the Thinkpad out of action completely, so be careful.

Henry.

"Juan Villagra" <El.Robot.de.Mimbre@xxxxxxxxx> wrote in message news:8bbdbcf7.0504131259.61e78cc2@xxxxxxxxxxxxxxxxxxxxxxxx

> Hello everybody.

> I need some help with an IBM ThinkPad A21m, 2628-D1S type.

> It have some problem with the CPU fan.After a long period to be off,

> it boots ok, and can work for a little while, but suddenly it falls

> off. After that, it enters in a quick boot-fail cycle. If i leave it

> off for a while, it can boot again, but go quickly do dead again.The

> cause is CPU overheating, because the CPU fan dont work. But, the fan

> is OK (i tested it ith direct poer supply (5V)), and occasionally it

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- > starts ok with the notebook boot up, but it stops and don't restarts.
- > It looks like some power management or thermal sensor failure, or
- > maybe the BIOS... i don't know. Has anybody seen this kind of problem
- > before? Can anybody put some light on this?
- >
- > Thanks from now.
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- >
- > Juan Villagra.
- > ERdM

• *Follow-Ups:*

- ◆ ***Re: IBM ThinkPad A21m Thermal Problem***
◇ *From: Juan Villagra*

• *References:*

- ◆ ***IBM ThinkPad A21m Thermal Problem***
◇ *From: Juan Villagra*

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