

Re: hairdrier drops to half-speed

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- *From:* Ken Weitzel <kweitzel@xxxxxxx>
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John Savage wrote:

In my initial post I wrote:

My handheld hairdrier suddenly dropped to half-speed while in use.

In the week since that happened, twice while it has been in use the speed of the hairdrier has slowly risen to almost normal operating speed with it running at that speed for about 20 to 30 seconds before dropping back to half-speed operation. During this normal speed operation there was a slight odour of an overheating electronic component (quite different from a burnt rubber smell).

If it was an open circuit diode in the bridge rectifier then the motor would not operate with reversed polarity DC input like I tested it with. If it was a short-circuited diode, I'd expect the bridge package to self-destruct with a bang.

The mystery continues.

Hi John...

Just thinking out loud...

There should be some sort of safety thermostat in there, I think usually buried inside heater coils. That doesn't describe well enough – let me say in the center of the air flow, close to the heater coil.

Possible that the contacts are sufficiently cooked that there's a few ohms worth, perhaps a bit intermittent?

Take care.

Re: hairdrier drops to half-speed

Ken

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