

Re: Generac 7500

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- *From:* ellombris@xxxxxxxx
 - *Date:* 2 Dec 2006 16:55:32 -0800
-

Ken Weitzel wrote:

ellombris@xxxxxxxx wrote:

Fred McKenzie wrote:

In article

<1164938070.570177.252870@xx>, ellombris@xxxxxxxx wrote:

I bought this generator a few weeks ago, used. It worked fine, but stopped putting out any power. I contacted repair people, the local repair facility only works on bigger units, but the man said it was most likely the voltage regulator. Got the regulator on line and installed it, I get power now. The 120v recepticles put out 50 v. and the 220 put out approx. 120v. Any ideas, suggestions, referrals? Thanks.

Ellombris-

I have downloaded some Generac manuals from <http://www.generac-portables.com> including a couple 5500 watt units (1314-0 and 9885-3). Both of these use the 83970, called a "System Control Board".

The 83970 has a trim pot that sets voltage. Some models have the board mounted with the trim pot next to a rubber plug on the left side of the

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connector panel. If your model has this board, it might easily be misadjusted. Try adjusting it for an initial value of 124 Volts output with no load. A small adjustment can make a large difference in output!

There is also an 84132, called a "Power Regulator Board" on the diagram and "Assembly, Drive Module, Power Regulator" on the parts list. This module controls current to the rotating field. It has no adjustment itself, but is driven by the System Control Board. Was that the module you replaced?

If you study the problem further and still can't solve it, check out the "Generators and Motors" forum at <http://www.smokstak.com>.

Fred

The unit I have is a 7500 not the 5500, and I do have a parts list and schematic for this generator. Thank you for your advice. I spoke to a tech for the local company that works on larger units and he told me, the 84132 has an adjustment screw on it. That is what I'll be trying next. My kid works nights so I won't be running the generator 'till Sunday, his day off.

Thank you you for your help, if this works I'll post that The problem is solved, if not I'll be begging for help again and will check out the websute you suggested.

Hi...

Just playing the devil's advocate for a moment...

Difficult to tell where any of us are in the world, so can't even guess at where you might be, but those just about 1/2 voltages might not be a coincidence...

It's not possible that you're in the UK and bought a North American regulator, is it? :)

Take care.

Ken

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OK ! I'm in the US and this unit worked when I bought it used, I was wrong about the voltage regulator. I have the used one I replaced and the screw is not to adjust the voltage, it's to secure the heatsink to a component on the board. I looked on the side of the output panel and found the adjustment on the 83970 and adjusted it. The most voltage I get out of the 120 Out is 68v and I adjusted the trim to give me 120 out of the 220 receptacle. That gives me 60v out of the 120 outlets. This unit uses a rotor and a stator, so I can't see how it would have fields. The original diagnostic by a friend who is an electrical contractor was that one of the fields might be bad, therefore the 1/2 power. I read something about flashing the fields, but don't think this applies to me. I was told by the local tech that replacement rotors and stators are usually 2 to 3 hundred bucks, before the labor costs. It would be nice to find a unit with a blown engine, buy it and swap out the generator. Any more advice is welcome, and thanks to all.

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