Subject: k150-8
Posted by Bill on Fri, 24 Sep 2010 17:11:16 GMT
View Forum Message <> Reply to Message

I bought a k150-8, non working, pilot light works, no sound at speakers. Found someone had reversed the monitor and speaker outputs on the output board, wired the speakers as a short. I fixed these things and now have signal all the way through the amp, but it has a whoop-whoop-whoop sound, that is not affected by the volume or other controls,puts out about 20 volts ac--don't see any dc. Someone has replaced one driver with an SK3024, and the thermal diode was replaced by a 116 diode, and not placed in the chassis heat sink. Three other transistors have been changed on the premap board. I will try to isolate where it's coming from--either preamp or power board first.
Bill C

Subject: Re: k150-8
Posted by Bill on Fri, 24 Sep 2010 18:37:51 GMT
View Forum Message <> Reply to Message

Update on the k150-8 project.
With all boards installed normal, I have 89.3.vdc at the power iputs of the board. Voltage at the preamps is 9.5v on the red/positive side, and 3.87 volts on the negative.

With the power cut off the right preamp it is 10.62v positive and 2.76 vlots negative.

With both preamps cut off it is 12.56 volts positive and 1.4 volts negative.

Looks like I have a power regulator problem, too.
Bill C

Subject: Re: k150-8
Posted by chicagobill on Fri, 24 Sep 2010 18:49:26 GMT
View Forum Message <> Reply to Message

That's strange that the negative supply gets lower as you unhook more load from it.

I guess you're right that there is a problem in the regulator circuit. As I recall, the positive supply is set by the circuit values, and the negative supply tracks the positive supply. I'd check the transistors and the tantalum caps in there first.

Subject: Re: k150-8
Posted by Bill on Fri, 24 Sep 2010 21:31:25 GMT
View Forum Message <> Reply to Message

Thanks Bill,

So far I've only found the second driver was bad, so replaced that, and went ahead and put in the correct thermal diode (1n3754). Will try the power board now and see what changes.
Have a good weekend, and thanks for your help.
Bill C

Subject: Re: k150-8
Posted by Bill on Fri, 24 Sep 2010 21:59:29 GMT
View Forum Message <> Reply to Message

Well,
Believe it or not, that fixed the problem. Everything works now.

Subject: Re: k150-8
Posted by stevem on Sun, 26 Sep 2010 17:53:03 GMT
View Forum Message <> Reply to Message

Glad to hear it, good job there!
