Subject: Troubleshooting
Posted by Manualblock on Tue, 08 Mar 2005 22:52:49 GMT
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Well; here we go. Seems I am blowing fuses upon switching my unit on. I have gone over the trans and PS wireing and it all checks out and looks good. Can a shorted lead on the CCS cause a fuse out on power up?The tranny is Blue/Red secondaries to the anodes of the 6CA4(250V)Red/Yellow to chassis groundYellow 5v secondaries to the Filament heater pins of the rec tubeCathode to the choke Choke to PS cap +The two primary black wires/ one to the AC input and the other to the switchThen from the switch to the fuse to the AC input neutral return

Subject: What fuse are you using?
Posted by colinhester on Tue, 08 Mar 2005 23:10:32 GMT
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What amp fuse are you using?  Slow or fast blow?I'm started with a 2A slow blow and it worked fine.  Are you blowing as soon as you switch on or is it when the rectifier heats up?.....Colin

Subject: first to the fuse...
Posted by PakProtector on Wed, 09 Mar 2005 00:13:16 GMT
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this thing ought to be consuming about a half amp from the wall. However, there are going to be transients at switch-on which could easily exceed this amount. By a lot....Slo-blo is the way to go. an amp or amp and a half should do quite adequately.If you have a 500 mA fast fuse in there I am not suprised you're toasting them...regards,Douglas

Subject: one more thing...
Posted by PakProtector on Wed, 09 Mar 2005 00:18:39 GMT
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the 6CA4 is a 6.3 volt heater. Don't worry too much, I suspect you'll get a nice slow warm up and gentle application of HV. Check its cathodes colour compared to the 5687, you might want to put the 6.3 winding on it.regards,Dogulas

Subject: Chassis ground?
Posted by colinhester on Wed, 09 Mar 2005 17:13:44 GMT
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Are you hooking the red/yellow (center tap) to the chassis or the the signal ground path (opposite side of cap on B+)? The CT (or any of the HV supply) should not be in contact with the chassis. Are you using a 3-point (hot/neutral/ground) electrical connection from the wall outlet? I should have pictures of Guinevere up tonight. Amazing, FedEx actually found my house on the first try today and brought dad (OK, mom) a new toy .....Colin
http://audioroundtable.com/GroupBuild/messages/210.html

Subject: Rectifier heater voltage
Posted by colinhester on Wed, 09 Mar 2005 18:23:16 GMT
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Well, I used the 6V4 with the 5V tap. Turns out the 6V4 should be run off 6.3V. It works well with the 5V but I will up the voltage. Thanks for pointing this out. I should have paid more attention.....Colin
http://tdsl.duncanamps.com/show.php?des=6V4