
Subject: Kustom Studio 4V - Schematic needed
Posted by [electrip_flip](#) on Fri, 31 May 2024 19:12:56 GMT
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Hello,

first posting here.

I'm trying to bring a Studio 4V back to life.
Some tried to convert to EL34 and some magic smoke happened.
Chopped the combo to a headshell and painted it black.

Does anyone could supply me a schematic and maybe a connector diagramm?

It looks somewhat easy but there are modifications I want to revert back to stock and maybe some butchering caused the trouble.

Thanks in advance and
greetings from germany

electrip_flip

Subject: Re: Kustom Studio 4V - Schematic needed
Posted by [stevem](#) on Mon, 03 Jun 2024 10:26:44 GMT
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Go to MusicParts.com, they list the schematic there.
You can buy right there on line and it will load to your computer so you can print it off.

Here's a guess as to what happened to the amp.
A quad of EL34s need 2.5 amps more of heater current then does a quad of 6l6tubes .
This means that the power transformer likely ran so hot that it shorted out and burned up in smoke.

Please report back with your findings and if you need help.
I quick way to test for a major short is to pull all the tubes out and install a 1 amp fuse.
If that fuse blows at power up or when the amp is taken out of standby then you have a major short.

Subject: Re: Kustom Studio 4V - Schematic needed
Posted by [electrip_flip](#) on Mon, 03 Jun 2024 12:47:51 GMT
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Hello stevem,

already ordered the schematics.

No fuses dead.

Both PT and OT are fine.

Humdinger resistors literally disappeared and left a black area.

Funny is Tubes are still heating.

10R Kathode resistors are gone on two tubes.

I expect only minor damages but I have to check those driver bjts.

One connector is missing. Wires were soldered on.

I have to order some parts and a set of 6L6.

Unit is set up for 220V mains,

will set up for 240V and then check heater voltage.

HT unloaded was 527V DC, 383 AC @233V mains

Will need some days for Progress.

Thanks for your Support.

electripflip