

CPS-150 modifications & service details

Most OLD CPS-150 power supplies will fail at some time during their lifetime.

This is due to the 2 main problem areas :

1) The bridge rectifiers :

The Bridge rectifiers BR1 and BR2 are rated too low and will get very hot during the life of the PSU.

Early models CPS-150s will have small bridge rectifiers which will blown and go short and blow the fuse also and/or will burn the PCB .

FIT LARGER MODEL BRIDGE BC0216 TO FIX THIS PROBLEM & replace the fuses

Re-solder CON 1 (o/p connector) , and the connectors to the regulators.

2) R32 will burn out gradually during the life of the PSU.

This resistor is rated only $\frac{1}{4}$ W and needs to be $\frac{1}{2}$ W .

Solution for this is to remove this resistor and replaced it with 2 x 5.6K $\frac{1}{4}$ W in parallel **OR** a 2.7K $\frac{1}{2}$ W resistor .

After this is done you will have to re-adjust the +48V pre set.

