I had a broken input section SSHV2 around so I fixed it and measured it to show you. After I changed both 2540s and removed the two associated Zeners, I tied F+ & F0 together (the output connector's far left and right points). Nothing else wired or loaded output wise. Firing it up and adjusting the **CCS** (TP) trimmer for 45mA at 9V in from a cheap lab PSU, the current draw climbed only by 5mA when at 20V without any dummy. TP checks with DVM were +/-1mA agreeing to the PSU's output current indication. It was drawing in the 150-250mA on 6-9 LV before, no matter the trimmer set.

You look for 1.5-2V VGS across each healthy DN2540 (outer pins) when the **CCS** is LV powered. The damaged D5, D6 Zeners were measuring like leaky diodes and the damaged MOSFETS were either shorted or like two diodes in series before I chucked them in the dustbin. No visual clues beyond a tiny dimple on the case's front near the drain pin of the shorted MOSFET. Q1 was loose on its sink as I saw plus some over current incidents had taken place during a tube phono build I was told. Still nothing was visually smoked. So do that, just short it like I showed and retry, checking VGS too. When off, see that the trimmer is still changing value in Ohm when turning also. Its absolutely safe with LV to handle and no side sink for the output MOSFET is needed as no current goes to the shunt section in this way tested.