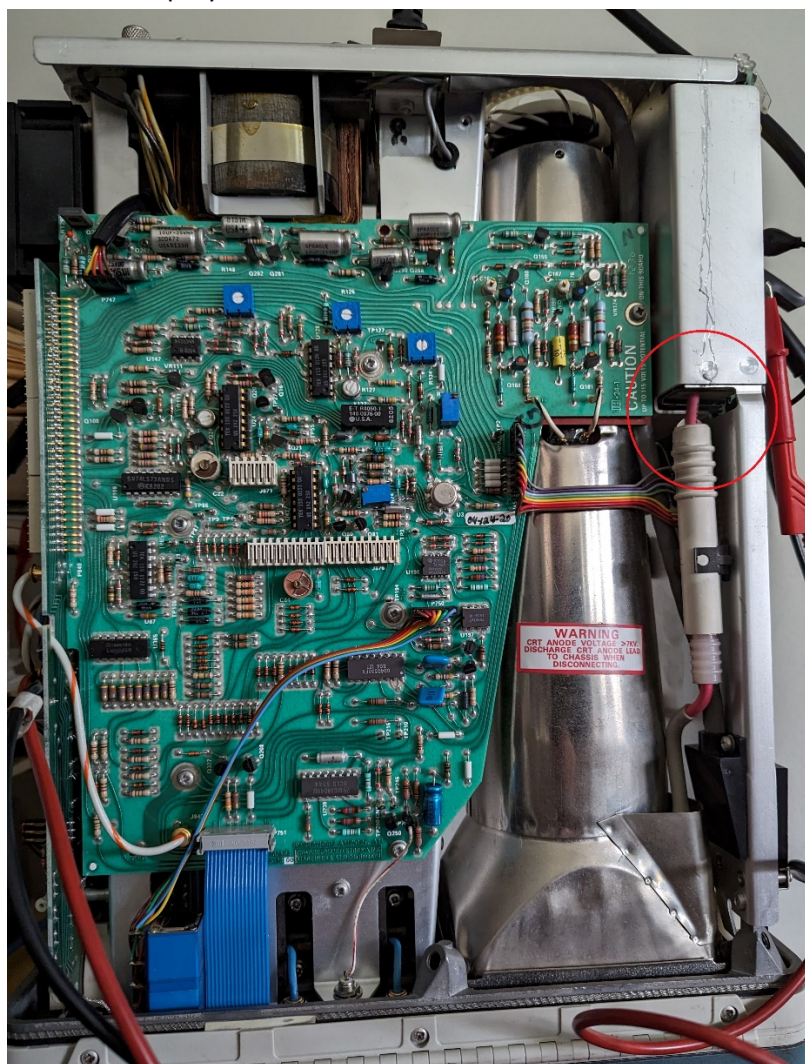


S.N. B010957. Opt A3 [Australian power option]. Servicing/repair notes Dec 2023.

Power switch contacts and voltage selector contacts were poor – contact cleaner sprayed then ok.  
480Meg 500Vdc IR, and IR good across switches.

Removed all fuses. Reformed main large e-caps and confirmed leakage current at rated voltage was very low. Confirmed +40V supply rail energised via variac. Then confirmed +40V, +/-10V and +/-5V rails were good with their fuses in and using variac and using rail voltage test points. Re-fitted F89 and brought up on variac while monitoring 40V rail and +102V rail (TP320 on A15) and checking HV oscillator waveform '62' on TP161 to TP148. A spark was heard when variac approached mains voltage – sometimes no spark – spark located to between U130 HV module and in-line connector to tube anode. Perhaps some visible arc tracking visible where red insulated cable leaves the U130 module. Arcing plausibly due to age and fan induced dust ingress. Cleaned cable and tracking surface etc with IPA and then added nomex sheeting and heatshrink tubing sections to increase creepage and clearance from the anode lead to any nearby metalwork.

Front panel pushbutton switch operation was intermittent/dodgy and all switches came good after contact cleaner spray.



← Arcing region