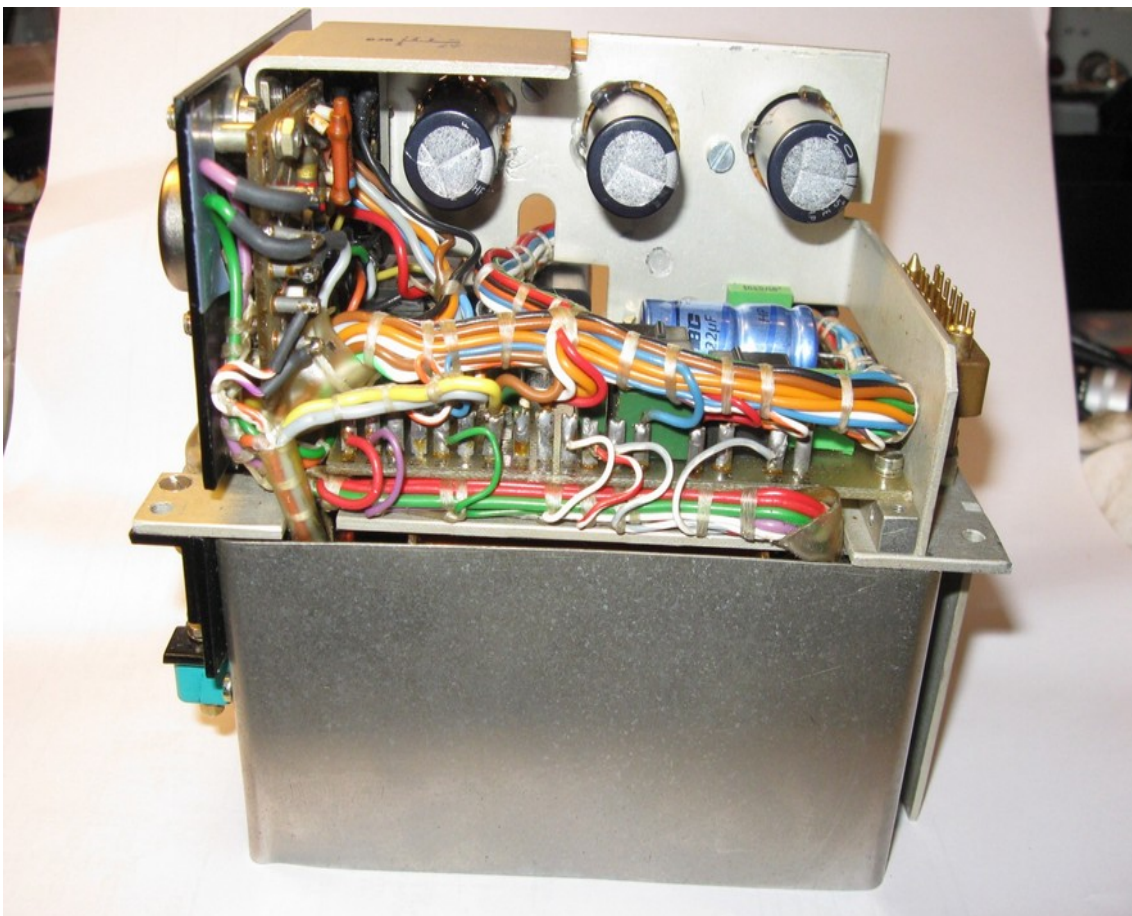


## Power Supply Overhaul

The power supply module in this radio gets quite hot and the now 40 years old electrolytic capacitors need to be replaced. Nothing much else needs attention if the unit was working.

Unfortunately the capacitors with a mounting stud used here are no longer available. Therefore modern board mounted components were used. Select an industrial grade, low ESR, 105°C product to get a long life despite the elevated temperatures.

There is one additional 22uF capacitor on the board where a radial type is required (blue here).



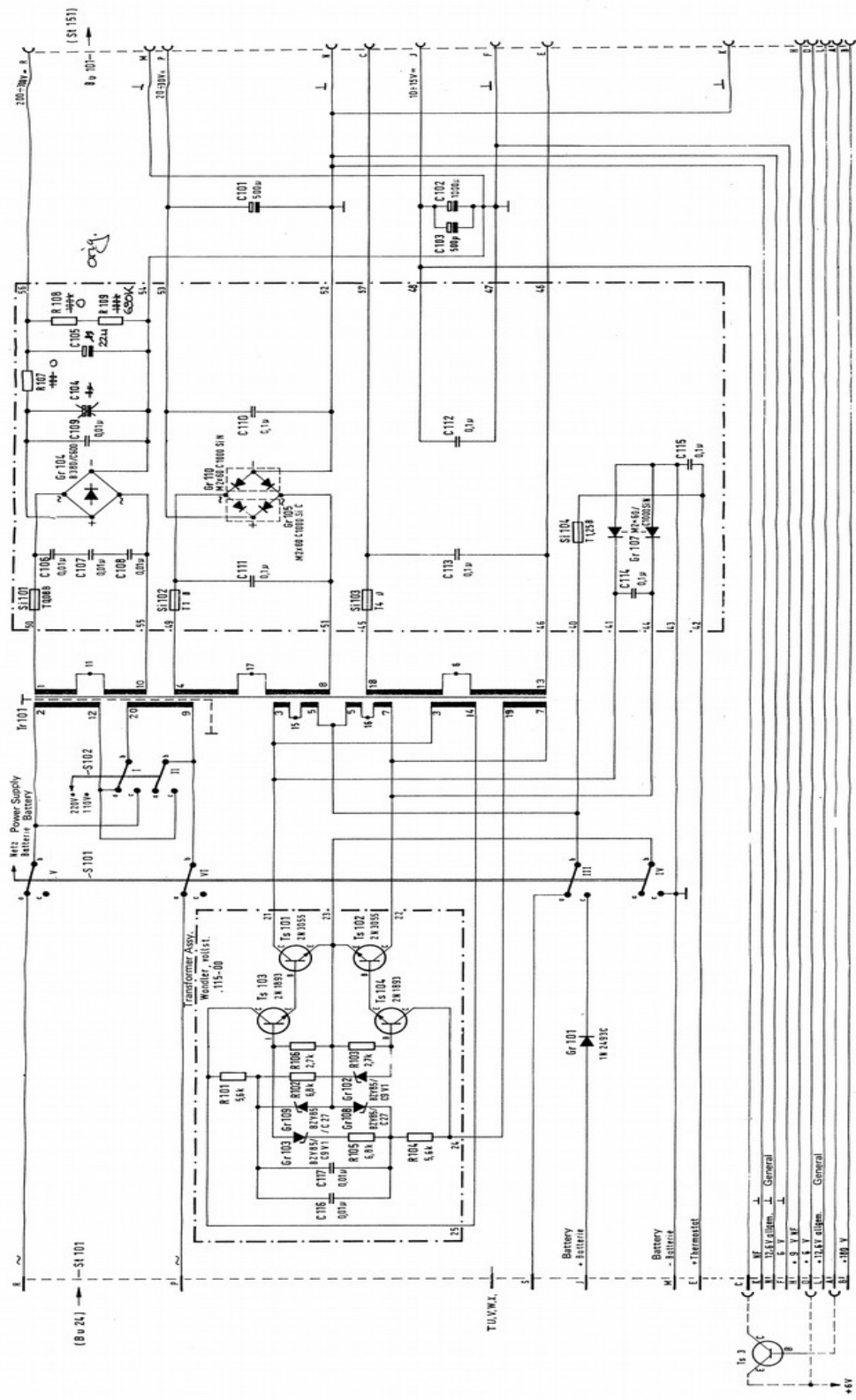
The unit is shown here reassembled. Note the placement of the new capacitors through the mounting holes of the old units.


The picture on this page shows the prototyping board used to mount the snap-in capacitors and connect them to the existing wires. As the insulation is PVC and melts, each wire was terminated with a bit of shrink tubing to prevent the insulation being damaged by soldering the wires to the copper traces of the board.



The circuit diagram of the power supply is shown on the next page, to print it a A3 printer should be used due to its size.

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 Necrell  
 Zg. Nr. 52.1250.100-00 STR  
 Power Supply Unit  
 Drawing No. 52.1250.100-00 STR



Scan by hb9ajg, tnx!