

Connect power cable to rear panel and turn on the instrument. Caution: Dangerous voltages appear at several exposed points. Block both the light beams and check the instrument balance (see Sec. II, D of Operating Manual). Remove the block from the light beams. If pen drives to either end of scale rather than coming to rest on scale, reverse transformer leads at thermocouple. If instrument seems completely insensitive, short pin 2 of preamplifier tube V101, to ground with jumper wire.

After the transformer leads are correctly connected, turn off the instrument and remove power cord from rear panel. Replace monochromator cover. Lift front of instrument until it rests on rear edge. Replace larger cover plate on underside of instrument. Lay instrument flat on table. Replace main cover.

VE. PREAMPLIFIER

Remove main cover. Remove monochromator cover. Remove preamplifier tube, V101. Using small soldering iron, unsolder all wires. Remove four screws at corners of the preamplifier.

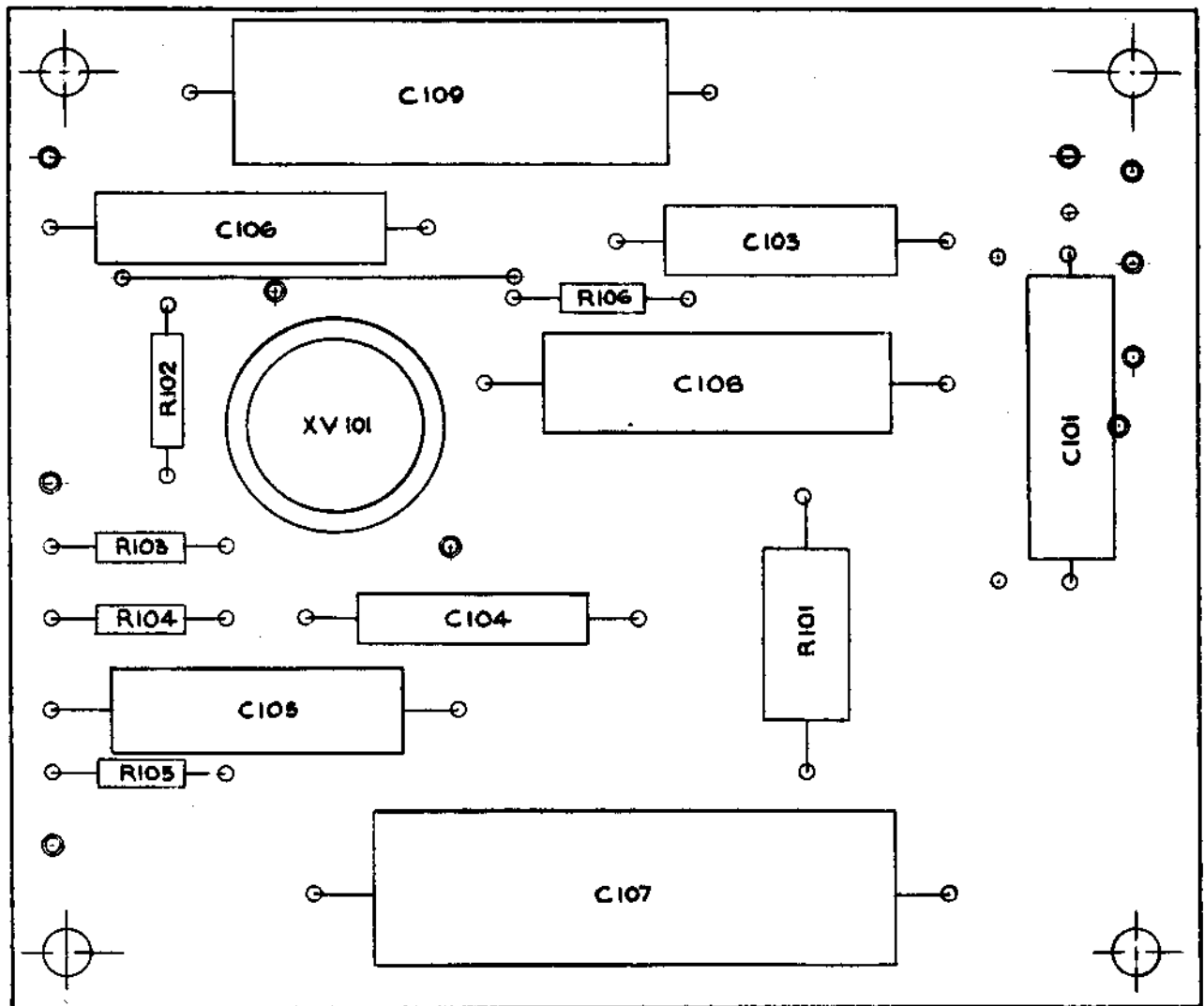


Fig. 46 - Preamplifier Printed Circuit and Components

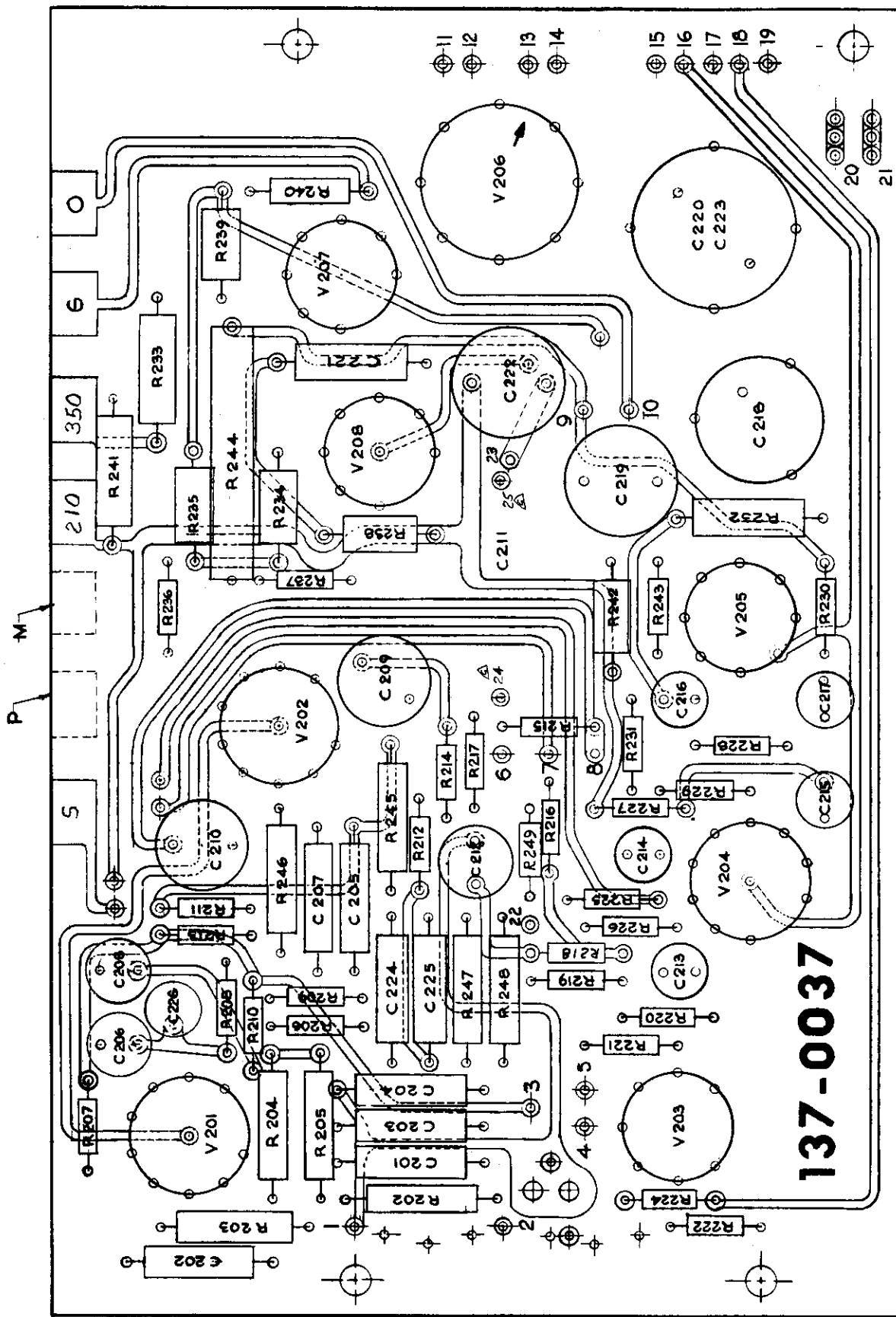


Fig. 47 - Amplifier Printed Circuit and Components