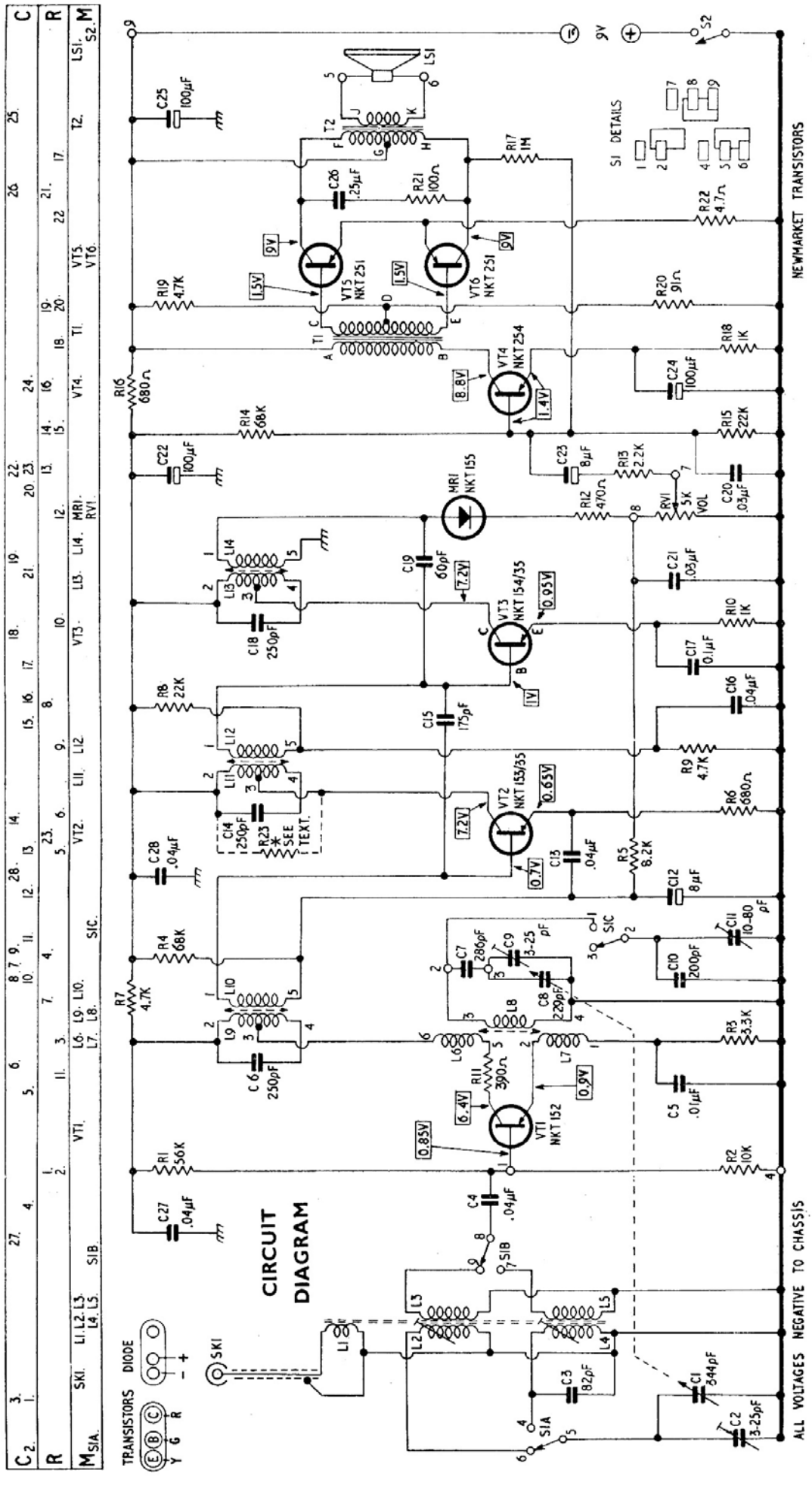


CIRCUIT DIAGRAM—EKCO MODEL PT378

EKCO Model PT378

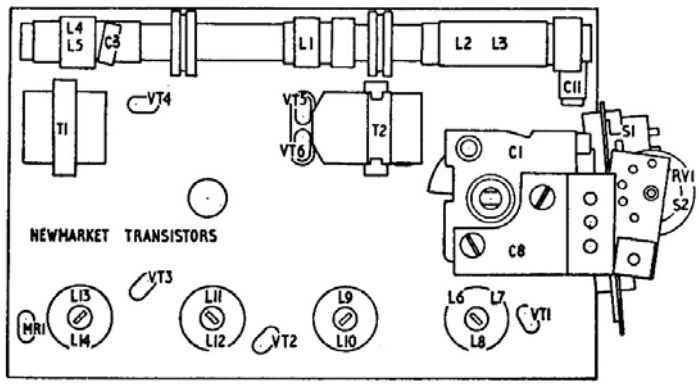
General Description: Six-transistor (plus crystal diode), two-waveband portable receiver with provision for use with external aerial. Note that models have been produced using either all Mullard or all Newmarket transistors with slight circuit differences.

Power Supply: 9-volt battery (PP7, DT7, T6007 or equivalent). No-signal consumption 14 mA., (Mullard), 12 mA. (Newmarket).

Wavebands: M.W. 183–555 m.; L.W. 1180–2060 m.

Transistors: Mullard types in brackets: (VT1) NKT152 (OC44); (VT2) NKT153/35 (OC45); (VT3) NKT154/35 (OC45); (VT4) NKT254 (OC81D); (VT5, VT6) NKT251 (OC81) matched. Diode: (MR1) NKT155 (OA70).

Circuit changes: Circuit diagram shown is for Newmarket transistors. Following are changes for Mullard transistors. R3 3·9k. R7 omitted. C28 omitted. C15 56 pF in series with 1·2k. C19 18 pF in series with 3·9k. C20 connected to junction OA70/R12 instead of base of VT4. R16 470. R20 100. Collector voltages for VT1, 2, 3 are slightly higher.



Notes: I.F. 470 kc/s. R23 with nominal value of 8·2k is fitted when overall gain is excessive and gives tendency towards instability.

Notes: When replacing escutcheon, ensure that switch slider slot is in line with switch arm before pressing home.