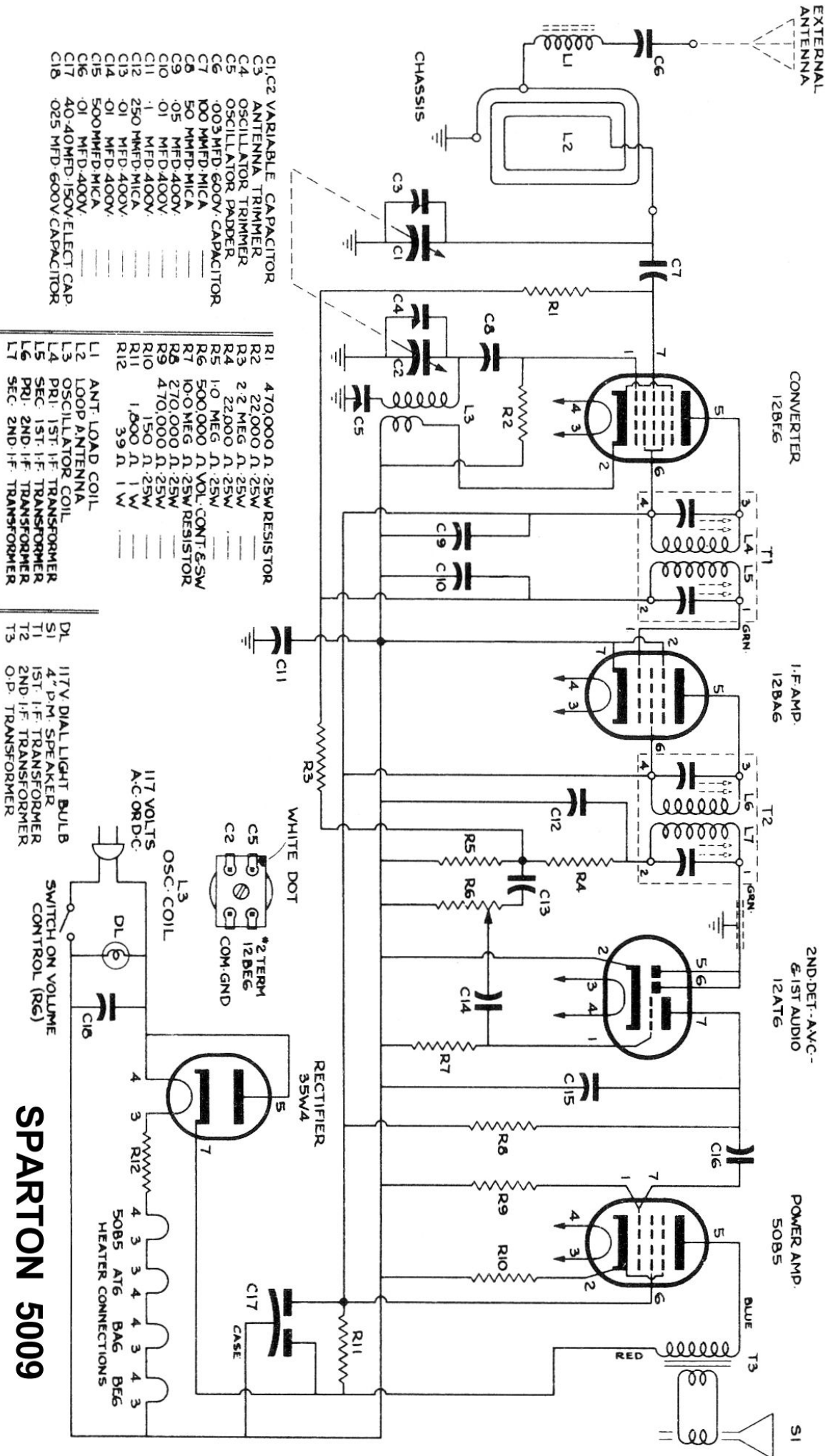


EXTERNAL ANTENNA



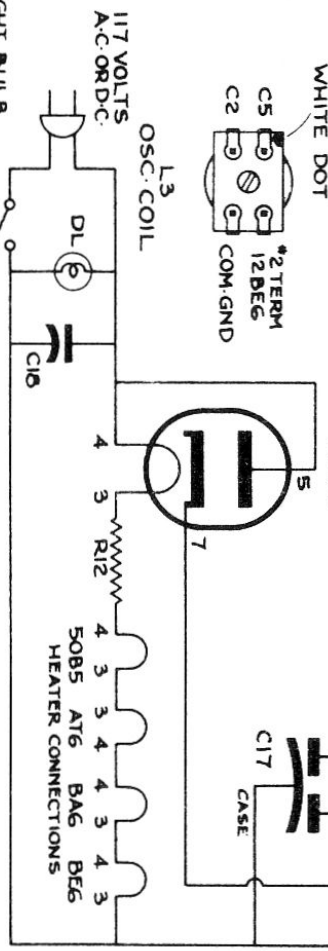
- C1, C2 VARIABLE CAPACITOR
- C3 ANTENNA TRIMMER
- C4 OSCILLATOR TRIMMER
- C5 OSCILLATOR PADDER
- C6 .003 MFD. 600V. CAPACITOR
- C7 100 MFD. MICA
- C8 50 MFD. MICA
- C9 .05 MFD. 400V.
- C10 .01 MFD. 400V.
- C11 .1 MFD. 400V.
- C12 250 MFD. MICA
- C13 .01 MFD. 400V.
- C14 .01 MFD. 400V.
- C15 500 MFD. MICA
- C16 .01 MFD. 400V.
- C17 40-40 MFD. 150V. ELECT. CAP.
- C18 .025 MFD. 600V. CAPACITOR

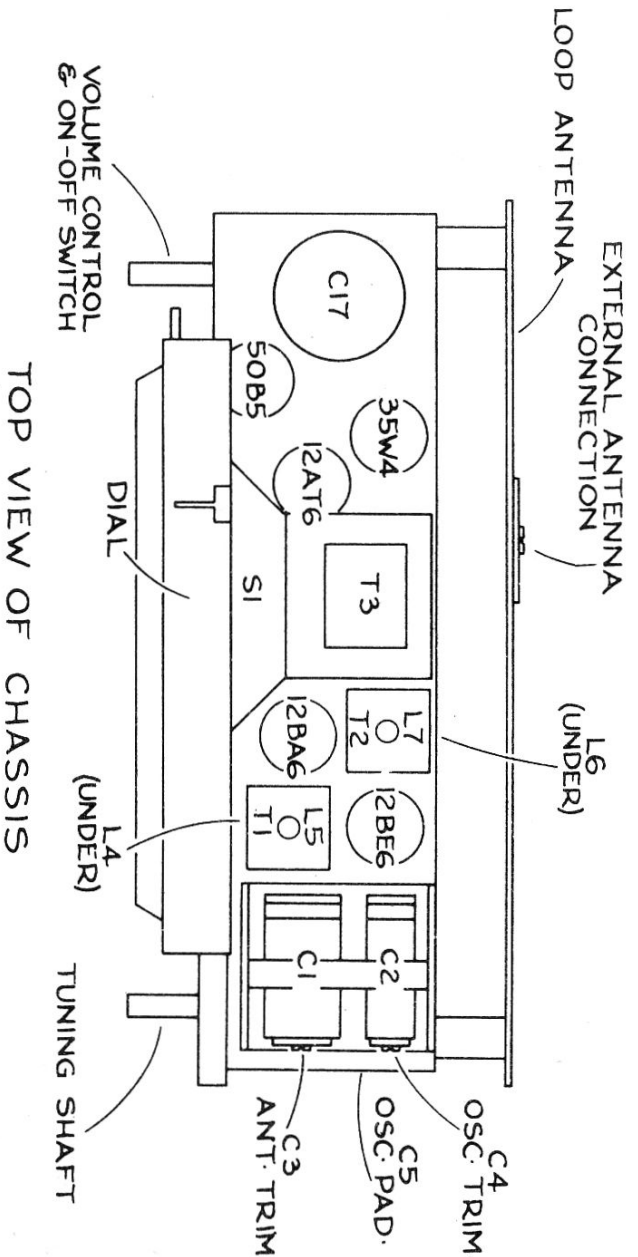
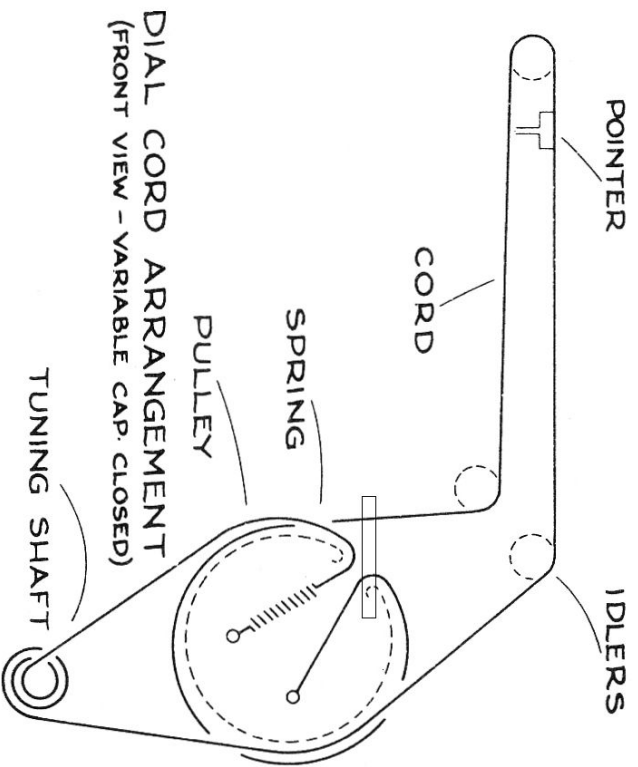
- R1 470,000 Ω .25W RESISTOR
- R2 22,000 Ω .25W
- R3 2.2 MEG Ω .25W
- R4 22,000 Ω .25W
- R5 1.0 MEG Ω .25W
- R6 500,000 Ω VOL. CONT. 6.5W
- R7 10.0 MEG Ω .25W RESISTOR
- R8 270,000 Ω .25W
- R9 470,000 Ω .25W
- R10 150 Ω .25W
- R11 1,800 Ω 1 W
- R12 39 Ω 1 W

- L1 ANT. LOAD COIL
- L2 LOOP ANTENNA COIL
- L3 OSCILLATOR COIL
- L4 PRI. 1ST. I.F. TRANSFORMER
- L5 SEC. 1ST. I.F. TRANSFORMER
- L6 PRI. 2ND. I.F. TRANSFORMER
- L7 SEC. 2ND. I.F. TRANSFORMER

- DL 117V DIAL LIGHT BULB
- S1 4" P.M. SPEAKER
- T1 1ST. I.F. TRANSFORMER
- T2 2ND. I.F. TRANSFORMER
- T3 O.P. TRANSFORMER

SPARTON 5009





ALIGNMENT

- Adjust signal generator to 455 Kcs. and connect to Antenna terminal dial at 1500 Kcs.
- Adjust I.F. trimmer slugs (iron cores) through holes in top and bottom of #2 I.F. (T2) L7 and L6, then #1 I.F. (T1) L5 and L4. A trimmer stick with a fibre screw driver tip (insulated) is preferred.
- Signal generator at 1500 Kc, dial at 1500, adjust trimmer C4 to set oscillator on frequency, and trimmer C3 for maximum signal.
- Signal generator at 600 Kc adjust C5 for maximum signal with dial at 600 Kc or maximum signal nearest 600 Kc.
- Note: Base plate on chassis.