



SPECIFICATION OF S.T.C. MODEL A5240

DESCRIPTION:

- A five valve, dual wave, table radio, incorporating:—
- Automatic volume control.
- Power switch on tone control.
- Power output beam tetrode.
- Inverse feedback.
- New short wave band.

TUNING RANGE:

- 530-1620 Kc/s.
- 4.8-16.2 Mc/s.

INTERMEDIATE FREQUENCY:

- 455 Kc/s.

VALVE COMPLEMENT:

- V1. Frequency Converter. 12AH8.
- V2. I.F. Amplifier. 6BA6.
- V3. Detector, A.V.C. and Audio Amplifier. 6N8.
- V4. Power output. 6BW6.
- V5. H.T. Rectifier. 6X4.

POWER SUPPLY:

- 200-260 volts, 40-60 cycles A.C.
- 185 milliamperes with 240 volts at 50 cycles input.

LOUD SPEAKER:

- 5 inch permagnetic with 5000 ohm transformer.

CIRCUIT VOLTAGES:

	Plate	Screen	Osc. Plate	Cathode	Heater
V1	235	70	77	0	6.15
V2	235	70	0	0	6.15
V3	66	17	0	0	6.15
V4	215	235	0	0	6.15
V5	252/252	—	0	235	6.15

These voltages may vary within 5% of their stated values and must be measured to receiver earth with a voltmeter having a resistance of at least 1000 ohms per volt. Volume control must be turned to maximum. Voltage drop across Choke L1 is 35 volts.

MEASUREMENT SPECIFICATION:

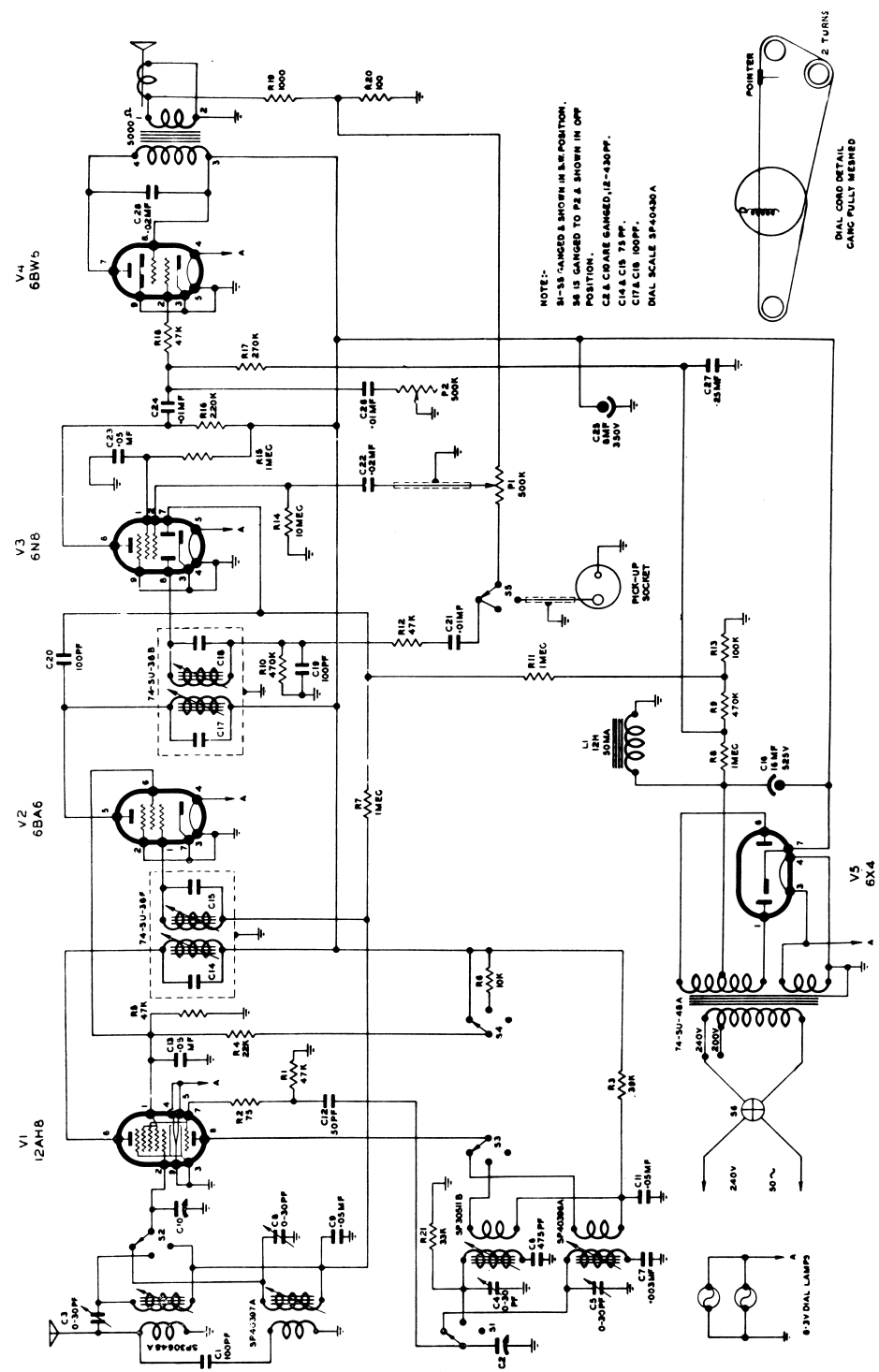
I.F. Sensitivity—V1 grid. 25 microvolts.
 I.F. Sensitivity—V2 grid. 2.0 millivolts.
 Broadcast Sensitivity—4 microvolts average.
 Shortwave Sensitivity—15 microvolts average.
 These figures are related to an audio frequency output of 15 volts measured between plate of V4 and Pin 8 V4 through a series condenser of .1 MFD capacity.
 When measuring I.F. sensitivity a .1 mf condenser should be used between the "HOT" signal generator lead and grid of V1. Do not disconnect any wiring.

ALIGNMENT FREQUENCIES:

- Broadcast—600 Kc/s and 1400 Kc/s.
- Shortwave—5 Mc/s and 15 Mc/s.

CHECK POINTS:

- Broadcast—1000 Kc/s.
- Shortwave—9 Mc/s.



NOTE:—
 S1-S2 GANGED & SHOWN IN S.W. POSITION.
 S4 IS GANGED TO P.E.A. SHOWN IN OFF POSITION.
 C18 & C19 GANGED, 12-430 PF.
 C14 & C15 75 PF.
 C17 & C18 100 PF.
 DIAL SCALE SP40430A