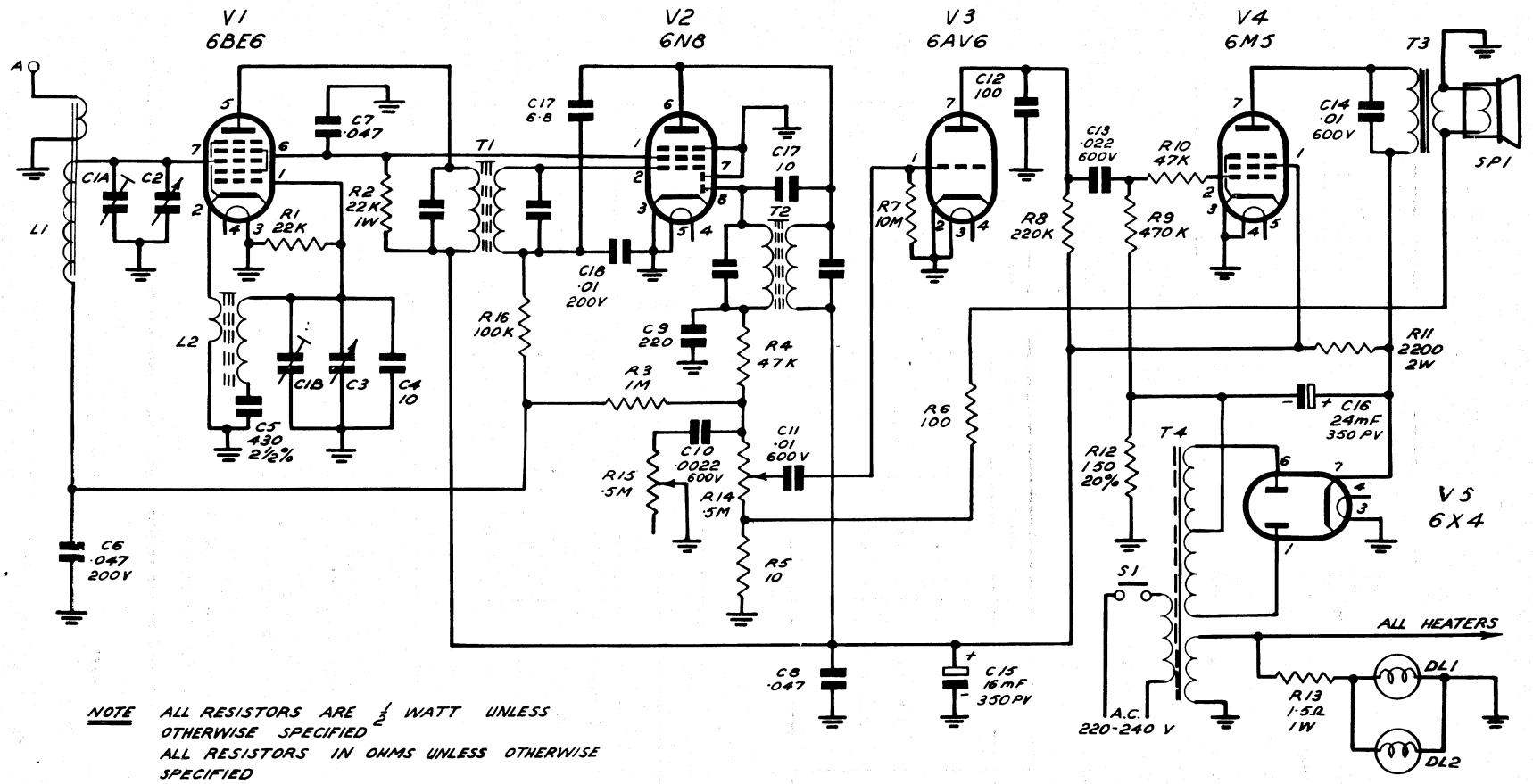
TOLERANCES UNLESS SPECIFIED FRACTIONS DECIMALS ANGLES



NOTE ALL RESISTORS ARE ½ WATT UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS UNLESS OTHERWISE SPECIFIED
ALL TOLERANCES 20% UNLESS OTHERWISE SPECIFIED
WHOLE NUMBERS IN P.F.D, DECIMAL NUMBERS IN M.F.D. UNLESS OTHERWISE SPECIFIED.
ALL CONDENSERS 400 VOLTS UNLESS OTHERWISE SPECIFIED

COMPONENTS NOT DESCRIBED ON CIRCUIT

Circuit No.	Description
L1	Aerial Coil, Type RJ143.
L2	Osc. Coil, Type RJ142.
S1	Switch, Type RL870.
R14, R15	500K, Log Element, Type RL868.
SP1	Speaker, Type 5C.
T1, T2	I.F. Transformer, Type RJ103.
T3	Speaker Transformer Type E.2, 7,000 ohms.
T4	Power Transformer, Type RK53A.

MODEL L 410E

Service Data for the Healing Receiver

MODEL L 410 E

Power Supply: 230-250 Volts.

Power Consumption: 35 Watts.

Frequency Range: 540-1630 Kc/s.

Intermediate Frequency: 455 Kc/s.

Speaker Transformer: Type E2.
Impedance: 7000 ohms.

Dial Light: 6.3 Volt 0.3 amp.

D.C. RESISTANCE OF R.F. COILS			
Coil	Type	Primary Ohms	Sec. Ohms
Aerial	RJ143	.1	.59
Osc.	RJ142	.33	2.07
1st I.F.	RJ103	18.5	18.5
2nd I.F.	RJ103	18.5	18.5

TYPICAL WORKING VOLTAGES

Measurements taken with respect to chassis using an AVO Model 8, 20,000 ohm/volt meter.
No signal input.

Valve	Use	Heater	Cathode	Screen	Plate
6BE6	Converter	6.0	—	60	180
6N8	I.F. Amp. & Det.	6.0	—	60	180
6AV6	A.F. Amp.	6.0	—	—	85
6M5	A.F. Amp.	6.0	—	180	200
6X4	Rectifier	6.0	215 Volts D.C. Input to Filter		

Bias voltage across R12—6 volts.

TYPICAL VALVE CURRENTS

Milliamps

Valve	Use	Cathode	Screen	Plate	Osc. Grid
6BE6	Converter	5.0	4.0	0.6	0.15
6N8	I.F. Amp. & Det.	7.0	1.9	5.1	—
6AV6	A.F. Amp.	0.45	—	0.45	—
6M5	A.F. Amp.	23.0	3.0	20.0	—
6X4	Rectifier	Total H.T. Current 36 M/A			

DIAL ADJUSTMENT: With gang full in, pointer should be under the line running down the centre of the dial.

Pointer position can be changed by moving its holding clip around the dial drive shaft.

ALIGNMENT: Trimmers are mounted on tuning condenser, aerial trimmer being nearest the front. Osc. coil is located under the chassis.

1. Adjust core in osc. coil to set stations near low frequency end of dial and osc. trimmer to set stations near high frequency end.
2. With generator **loosely** coupled to aerial rod, adjust aerial trimmer at 1,400 Kc/s and slide coil along ferrite rod at 600 Kc/s, for maximum signal.