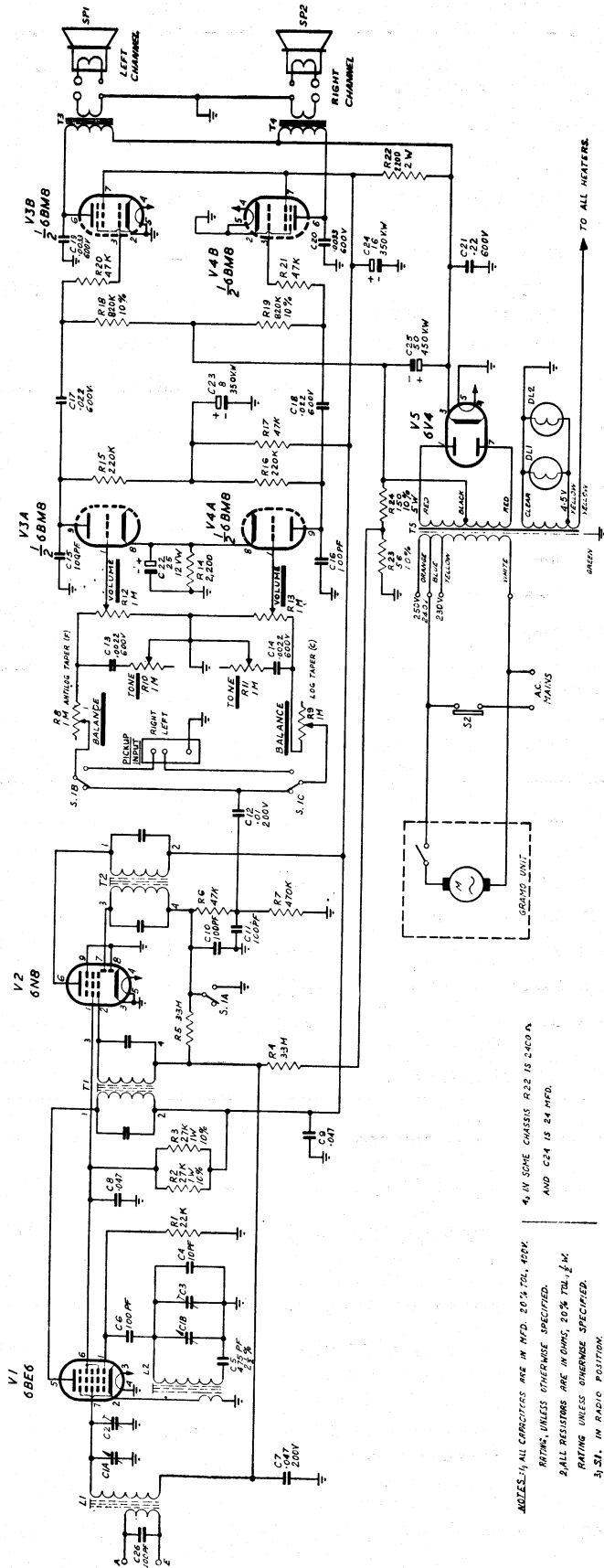


MODEL 525S-



1. ALL CAPACITORS ARE IN MFD. 20% TOL., 50%
 2. ALL RESISTORS ARE IN OHMS, 20% TOL., 1/4"
 3. S1, IN RADIO POSITION

COMPONENTS NOT DESCRIBED ON CIRCUIT

Circuit No.	Description
L1	Aerial Coil, Type RJ121
L2	Osc. Coil, Type RJ142
R8/R9	1 M Log/Antilog Element Type RL906
R10/R11	1 M Log/Log Element, Type RL908
R12/R13	1 M Log/Log Element, Type RL908
S1a,b,c,S2	Switch, Type RL898
T1, T2	I.F. Transformer, Type RJ103
T3, T4	Speaker Transformer, Type K7, 7000/15 ohms
T5	Power Transformer, Type RK 47B
SPI, SP2	8 MX Speaker, 15 ohm V.C.

Service Data for the Healing Receiver

MODEL 525 S

Power Supply: 230-250 Volts A.C.
50 c.p.s.

Power Consumption: 55 Watts.

Intermediate Frequency: 455 Kc/s.

Frequency Range: 540-1630 Kc/s.

Speaker Transformer 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	RJ121	3.4	0.4
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, 230V. A.C. Mains Input.

Valve	Use	Heater	Cathode	Screen	Plate
6BE6	Converter	6.3	0	84	180
6N8	I.F. Amp. & Det.	6.3	0	84	180
$\frac{1}{2}$ 6BM8 (Triode)	1st A.F. Amp.	6.3	1.4	—	95
$\frac{1}{2}$ 6BM8 (Pentode)	2nd A.F. Amp.	6.3	0	180	224
$\frac{1}{2}$ 6BM8 (Triode)	1st A.F. Amp.	6.3	1.4	—	95
$\frac{1}{2}$ 6BM8 (Pentode)	2nd A.F. Amp.	6.3	0	180	224

240 Volts D.C. Input to Filter. Bias Voltage across R23 4.2 volts.
Bias voltage across R24 12.0 volts.

TYPICAL VALVE CURRENTS

Milliamps

Valve	Use	Cathode	Screen	Plate	Osc. Grid
6BE6	Converter	8.0	6.45	1.10	0.45
6N8	I.F. Amp. & Det.	5.0	1.5	3.5	
$\frac{1}{2}$ 6BM8 (Triode)	1st A.F. Amp.	0.27	—	0.27	
$\frac{1}{2}$ 6BM8 (Pentode)	2nd A.F. Amp.	33.5	6.0	27.5	
$\frac{1}{2}$ 6BM8 (Triode)	1st A.F. Amp.	0.27	—	0.27	
$\frac{1}{2}$ 6BM8 (Pentode)	2nd A.F. Amp.	33.5	6.0	27.5	

Total H.T. Current 80 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: Use standard procedure. Trimmers are mounted on tuning condenser. Oscillator trimmer is mounted nearest to the front panel. The oscillator coil is under the chassis near the front. The aerial coil is under the chassis towards the rear of the set.

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 lead, adjust aerial trimmer at 1,400 Kc/s and aerial coil to 600 Kc/s, for maximum signal.

- CHASSIS REMOVAL:**
1. Remove the screw from the side panel of record compartment.
 2. Lift lid of radio compartment.
 3. Chassis is held by two No. 10" x $\frac{1}{4}$ " screws at rear of chassis and two No. 8" x $\frac{3}{8}$ " screws on front panel.
 4. Knobs are pull-off type.