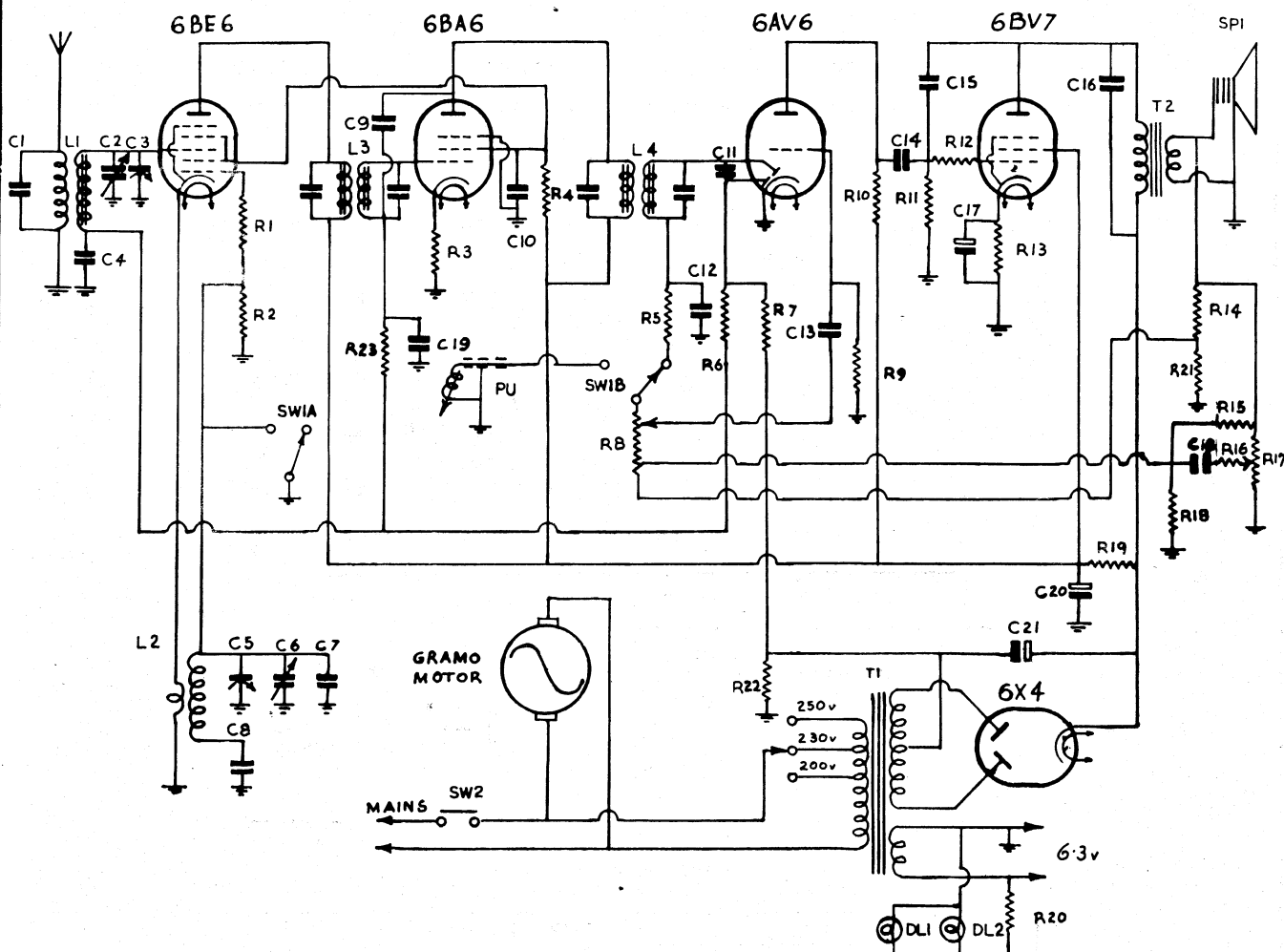


HEALING

MODEL 503 G — Continued



COMPONENTS LIST

Part No.	DESCRIPTION	Part No.	DESCRIPTION
C1, C11	100 pf 400 Volt Mica Condenser.	R10	220,000 ohm $\frac{1}{2}$ Watt Carbon Resistor.
C2, C6	Trimmer Condensers.	R11	470,000 ohm $\frac{1}{2}$ Watt Carbon Resistor.
C3, C5	12-450 pfd Variable Condenser.	R12	47,000 ohm $\frac{1}{2}$ Watt Carbon Resistor.
C4, C10, C18	.05 mfd 400 Volt Paper Condenser.	R13	150 ohm 1 Watt Carbon Resistor.
C7	15 pf 400 Volt Ceramicon Condenser.	R14	47 ohm 1 Watt Carbon Resistor.
C8	430 pf 400 Volt Mica Condenser.	R15	15,000 ohm $\frac{1}{2}$ Watt Carbon Resistor.
C9	6.8 pf 400 Volt Ceramicon Condenser.	R16	1,000 ohms $\frac{1}{2}$ Watt Carbon Resistor.
C12	500 pf 400 Volt Mica Condenser.	R17	50,000 ohms Potentiometer Linear Element.
C13, C14, C16, C19	.01 mfd 600 Volt Paper Condenser.	R18	1,500 ohms $\frac{1}{2}$ Watt Carbon Resistor.
C15	50 pf 400 Volt Mica Condenser.	R19	1,800 ohms 3 Watt Carbon Resistor.
C17	12 mfd 25 Volt Electrolytic Condenser.	R20	2 ohms 1 Watt Carbon Resistor.
C20	16 mfd 320 Volt Electrolytic Condenser.	R21, R22	22 ohms 1 Watt Carbon Resistor.
C21	24 mfd 450 Volt Electrolytic Condenser.		
R1	47 ohms $\frac{1}{2}$ Watt Carbon Resistor.	L1	Aerial Coil, type RJ85D.
R2	22,000 ohms $\frac{1}{2}$ Watt Carbon Resistor.	L2	Oscillator Coil, type RJ86.
R3	300 ohm $\frac{1}{2}$ Watt Carbon Resistor.	L3	I.F. Transformer, type RJ83.
R4	13,000 ohms 3 Watt Carbon Resistor.	L4	I.F. Transformer, type RJ83.
R5, R23	100,000 ohms $\frac{1}{2}$ Watt Carbon Resistor.	T1	Power Transformer, type RK46.
R6, R7	1 megohm $\frac{1}{2}$ Watt Carbon Resistor.	T2	Transformer for Rola Speaker, type 6H Z = 10,000 ohms.
R8	500,000 ohms Potentiometer tapped at 100,000 ohms with S.P. Switch, type RL512A.	SP1	6in. Permagnetic Speaker, type 6H.
R9	10 megohm $\frac{1}{2}$ Watt Carbon Resistor.	SW1A, SW1B	SPDT Switch, type RL742.
		SW2	S.P. Switch on Volume Control.
		DL1, DL2	Dial Lights, 6.3 Volts, 0.3 amps.

Service Data for the Healing Receiver

MODEL 503G

Power Supply: 200-250 Volts A.C. 50 cycles.

Power Consumption: 47 Watts.

Frequency Range: 540-1620 Kc/s.

Intermediate Frequency: 455 kc/s.

Speaker Transformer: Type DDB46, 10,000 ohms.

Dial Light: 6.3 Volt 0.3 amp.

D.C. RESISTANCE OF R.F. COILS			
Coil	Type	Primary Ohms	Sec. Ohms
Aerial	RJ85D	34	3.4
Osc.	RJ86	.3	2.3
1st I.F.	RJ83	8.8	8.8
2nd I.F.	RJ83	8.8	8.8

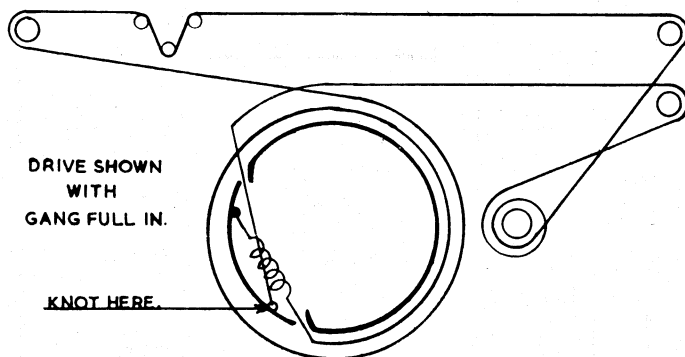
Typical Working Voltages.

D.C. Voltage measured to chassis, aerial disconnected, no signal input.
Bias across resistor R8: 1.15 Volts.

Valve	Use	1000 OHM PER VOLT D.C. METER SCALES			
		A.C.	50V.	250V.	250V.
		Heater	Cathode	Screen	Plate
6BE6	Osc. Mod.	6.1	0	113	242
6BA6	I.F.	6.1	2.75	113	242
6AV6	Det. AVC., 1st A.F.	6.1	0	—	87
6BV7	2nd A.F.	6.1	4.7	242	280
6X4	Rectifier	6.1	290 V. D.C. input to filter		

Typical Valve Currents Milliamps.

Valve	Use	Cathode	Screen	Plate	Osc. Grid.
6BE6	Osc. Mod.	13.4	10.0	2.9	.5
6BA6	I.F.	6.7	1.9	4.8	
6AV6	Det. AVC. 1st A.F.	.6	—	.6	
6BV7	2nd AF.	31	4	27.0	
6X4	Rect.	Total H.T. Current 52m/a.			



DIAL CORD STRINGING

ALIGNMENT: Trimmers are mounted on the gang underneath the chassis, the Osc. trimmer being nearest the gang. Set Osc. trimmer at 1400 Kc/s and Osc. coil slug at 600 Kc/s. Adjust aerial trimmer at 1400 Kc/s and aerial coil slug at 600 Kc/s.

DIAL ADJUSTMENT: With gang full in, pointer should be in line with the gold edge at extreme left of dial.