

Service Data for the Healing Receiver

MODEL 400 J

Power Supply: 200-230 volts A.C. 50 cycle.

Power Consumption: 30 Watts.

Frequency Range: 540 to 1620 Kc/s.

Speaker Transformer Impedance: 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	RJ85	24	3.2
Osc.	RJ98	.1	1.9
1st I.F.	RJ83	8.5	8.5
2nd I.F.	RJ97	8.5	8.5

Typical Working Voltages.

Bias voltage across 100 ohm resistor = 3.9 volts.

Valve	Use	A.C.	1000 OHM PER VOLT D.C. METER SCALES		
		Heater	50V Cathode	250V Screen	250V Plate
6BE6	Converter	6.0	0	55	180
6AU6	I.F.	6.0	0	120	180
6BV7	Det. AVC, AF.	6.0	0	180	195
6X4	Rectifier	6.0	212 D.C. input to filter		

Typical Valve Currents

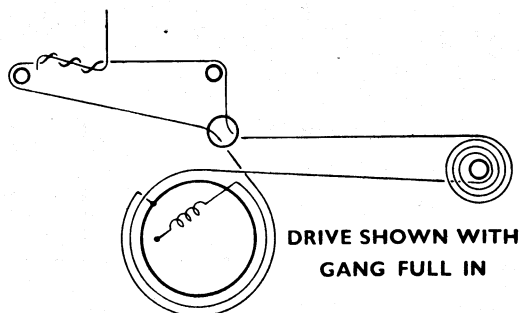
Milliamps

Valve	Use	Cathode	Screen	Plate	Osc. Grid.
6BE6	Converter	5.1	3.5	1.5	0.18
6AU6	I.F.	9.4	2.6	6.8	
6BV7	Det. AVC, AF	24.8	2.8	22	

Total — H.T. Current: 39 m/a

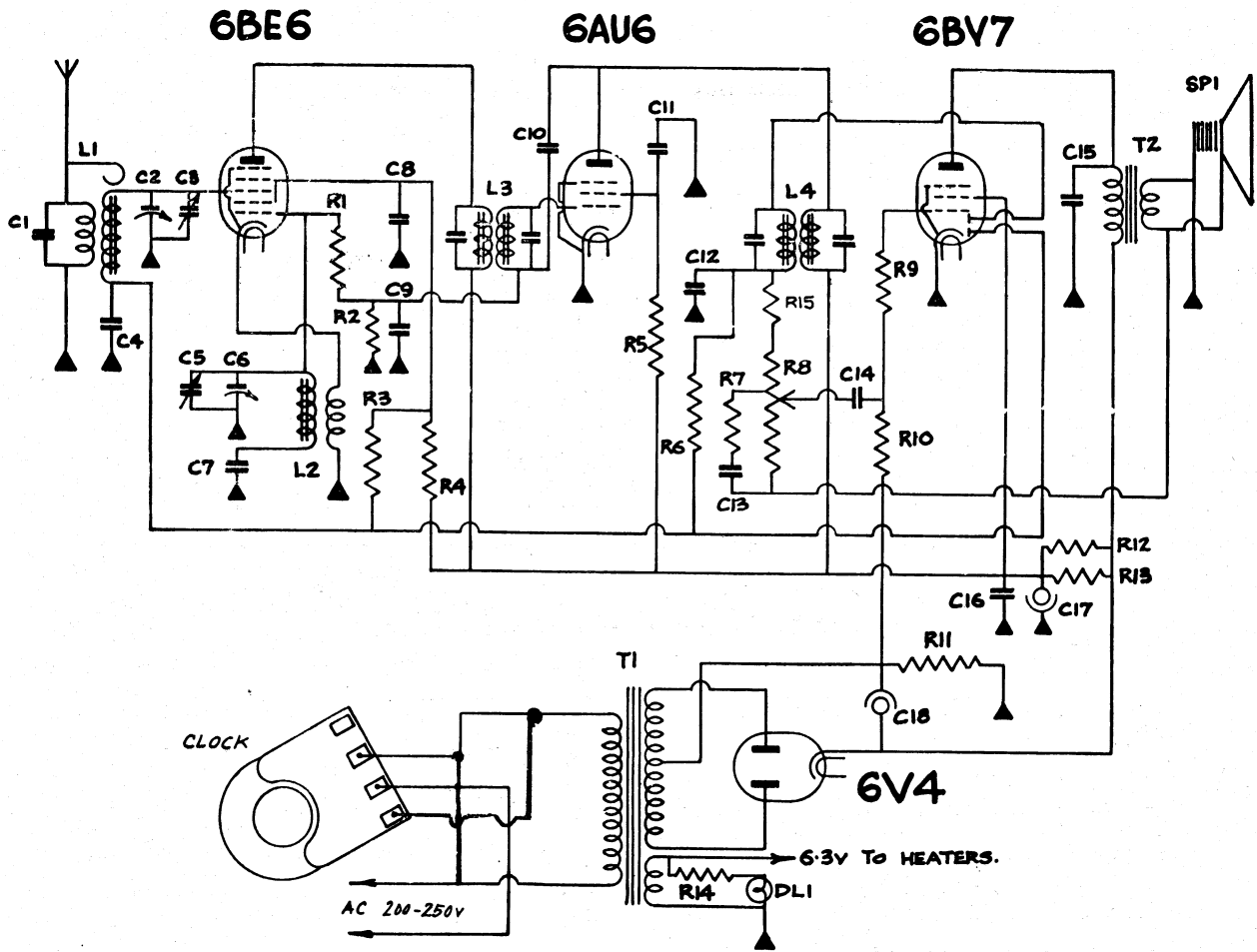
Dial Adjustment: With gang full in, pointer should be under the right-hand edge of red backing on dial glass. Pointer position can be changed by resetting the drum on gang shaft.

Alignment: Trimmers are on top of gang, aerial trimmer being nearest the rear. Set oscillator trimmer at 1400 kc/s and oscillator coil slug at 600 kc/s. Adjust aerial trimmer at 1400 kc/s and aerial coil slug at 600 kc/s.



HEALING

MODEL 400 J



COMPONENTS LIST

Part No.	DESCRIPTION	Part No.	DESCRIPTION
C1	100 pfd. 400 volt mica condenser, special lugs.	R5,	22,000 ohm $\frac{1}{2}$ watt carbon resistor.
C2, C6, C3, C5,	12-450 pfd. variable condenser, 2-gang. Trimmer condenser.	R6,	2.2 megohm $\frac{1}{2}$ watt carbon resistor.
C4,	.05 mfd. 200 volt paper condenser.	R7,	10,000 ohm $\frac{1}{2}$ watt carbon resistor.
C7,	460 pfd. 2 $\frac{1}{2}$ % tol., silvered mica condenser.	R8,	500,000 ohm potentiometer tapped at 100,000 ohms, fitted with S.P. switch, type RL689.
C8, C11, C16,	.05 mfd. 400 volt paper condenser.	R9,	4,700 ohm $\frac{1}{2}$ watt carbon resistor.
C9,	.01 mfd. 600 volt paper condenser.	R10,	1 megohm $\frac{1}{2}$ watt carbon resistor.
C10,	3 pfd. 400 volt mica condenser.	R11,	100 ohm $\frac{1}{2}$ watt W.W. resistor.
C12,	300 pfd. mica condenser.	R12, R13,	3,900 ohm 1 watt carbon resistor.
C13, C14,	.02 mfd. 600 volt paper condenser.	R14,	3.9 ohm $\frac{1}{2}$ watt W.W. resistor.
C15,	.01 mfd 600 volt paper condenser.	R15,	47,000 ohm $\frac{1}{2}$ watt carbon resistor.
C17,	16 mfd 350 peak volt electrolytic condenser.	L1,	Aerial coil type RJ85
C18,	24 mfd 350 peak volt electrolytic condenser.	L2,	Oscillator coil, type RJ98.
R1,	15,000 ohm $\frac{1}{2}$ watt carbon resistor.	L3,	I.F. transformer, type RJ83.
R2,	7,500 ohm $\frac{1}{2}$ watt carbon resistor.	L4,	I.F. transformer, type RJ97.
R3,	5 megohm 1 watt carbon resistor.	T1,	Power transformer, type RK38. Prim. 0-235 volts, Sec. 200-0-200 at 40 m/a, 6.3 volt at 2 amp.
R4,	33,000 ohm 1 watt carbon resistor.	SP1,	Rolea speaker, type 5B.
		T2,	Speaker transformer, type EBB74. Impedance — 10,000 ohms.
		DL1,	Dial lamp 6.3 volt, 0.3 amp.