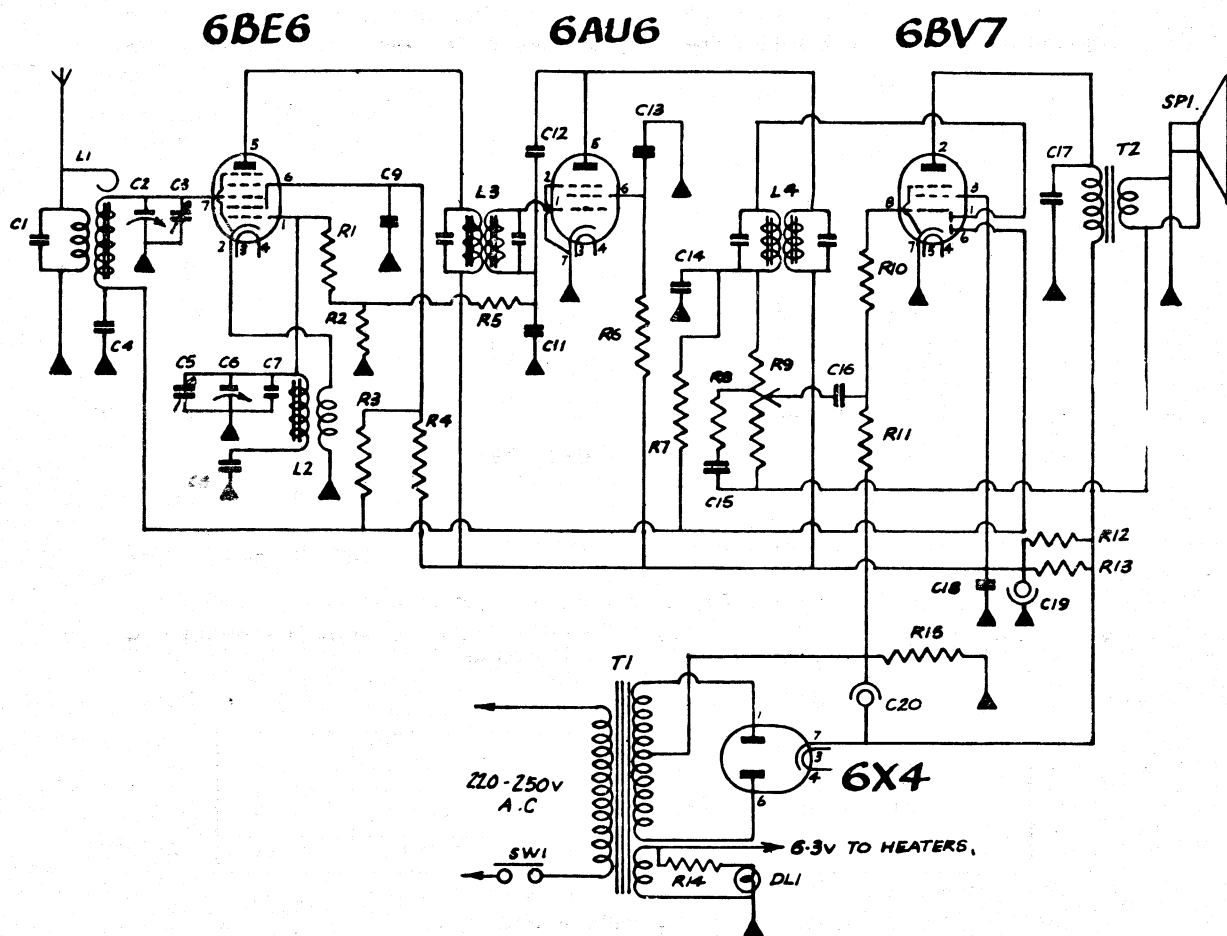


HEALING

MODEL 406E



COMPONENTS LIST

Part No.	DESCRIPTION	Part No.	DESCRIPTION
C1	100 pfd. 400 Volt Mica Condenser Special Lugs.	R5	100,000 ohm $\frac{1}{2}$ Watt Carbon Resistor.
C2, C6	12-450 pfd. Variable Condenser 2 Gang.	R6	22,000 ohm $\frac{1}{2}$ Watt Carbon Resistor.
C3, C5	Trimmer Condenser.	R7	2.2 megohm $\frac{1}{2}$ Watt Carbon Resistor.
C4	.05 mfd. 200 Volt Paper Condenser.	R8	10,000 ohm $\frac{1}{2}$ Watt Carbon Resistor.
C7	15 mfd. Ceramicon Condenser N750.	R9	500,000 ohm Potentiometer tapped at 100,000 ohms fitted with S.P. Switch type RL689.
C8	461 pfd 1% Tol. Silvered Mica Condenser,	R10	4,700 ohm $\frac{1}{2}$ Watt Carbon Resistor.
C9, C13, C18	.05 mfd. 400 volt paper condenser.	R11	1 megohm $\frac{1}{2}$ Watt Carbon Resistor.
C11, C16, C17	.01 mfd. 600 Volt Paper Condenser.	R12, R13	3,900 ohm 1 Watt Carbon Resistor.
C12	6.8 pfd. Neutralizing Condenser.	R14	3.9 ohm $\frac{1}{2}$ Watt Wire Wound Resistor.
C14	300 pfd. Mica Condenser.	R15	100 ohm $\frac{1}{2}$ Watt Wire Wound Resistor.
C15	.02 mfd. 600 Volt Paper Condenser.	L1	Aerial Coil type RJ85D.
C19	16 mfd. 350 Peak Volt Electrolytic Condenser.	L2	Oscillator Coil type RJ98.
C20	24 mfd. 350 Peak Volt Electrolytic Condenser.	L3, L4	I.F. Transformer type RJ103.
R1	15,000 ohm $\frac{1}{2}$ Watt Carbon Resistor.	T1	Power Transformer type RK42 Primary 235 Volts, Secondary 200-0-200 Volts @ 40 m.A 6.3 Volts @ 2 amp.
R2	7,500 ohm $\frac{1}{2}$ Watt Carbon Resistor.	SP1	Rola Speaker type 5C.
R3	4.7M 1 Watt Carbon Resistor.	T2	Speaker Transformer type EBB74 Impedance — 10,000 ohms.
R4	33,000 ohm 1 Watt Carbon Resistor.	DL1	Dial Lamp 6.3 Volt, 0.3 amp.

Service Data for the Healing Receiver

MODEL 406E

Power Supply: 220-250 Volts A.C. 50 cycles.

Power Consumption: 30 Watts.

Frequency Range: 540-1630 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	RJ85D	2.4	3.2
Osc.	RJ98	.1	1.9
1st I.F.	RJ103	18.5	18.5
2nd I.F.	RJ103	18.5	18.5

Typical Working Voltages.

Bias voltage across R15; 3.3 V.

Valve	Use	A.C.	1000 OHM PER VOLT D.C. METER SCALES		
		Heater	50V.	250V.	250V.
			Cathode	Screen	Plate
6BE6	Converter	6.0	0	51	171
6AU6	I.F.	6.0	0	132	171
6BV7	Det. AVC., A.F.	6.0	0	171	190
6X4	Rectifier	6.0	212 D.C. input to filter		

Typical Valve Currents

Milliamps.

Valve	Use	Cathode	Screen	Plate	Osc. Grid.
6BE6	Converter	4.7	3.6	.9	.2
6AU6	I.F.	5.8	1.7	4.1	
6BV7	Det. AVC. A.F.	25.5	4.2	21.3	

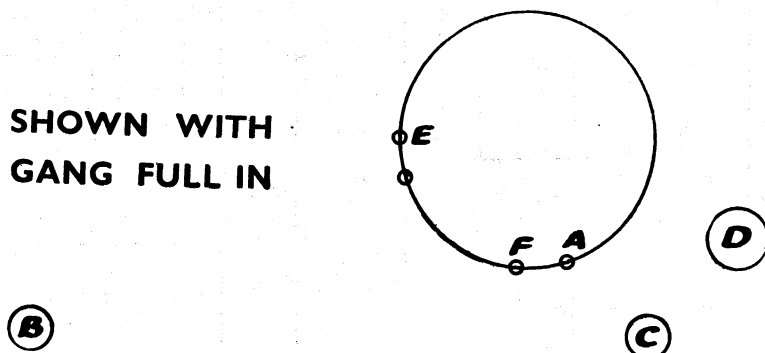
Total H.T. current 36 m/A.

Dial Adjustment: With gang full in, pointer should be under the dot at the top left hand side of dial glass. Pointer position can be changed by sliding it along dial cord.

Alignment: Trimmers are mounted on gang, aerial trimmer being nearest the front. Set osc. trimmer at 1400 K/cs and osc. coil slug at 600 K/cs. Adjust aerial trimmers at 1400 K/cs and aerial coil slug at 600 K/cs.

DIAL CORD ARRANGEMENT

SHOWN WITH
GANG FULL IN



Anchor cord at A and pass through hole in drum, around drum 2/3 of a turn anticlockwise, around pulley B, around bollard C, around drive spool D 3 times clockwise, around drum 1/2 turn and through hole E, attach spring to cord and anchor at F.