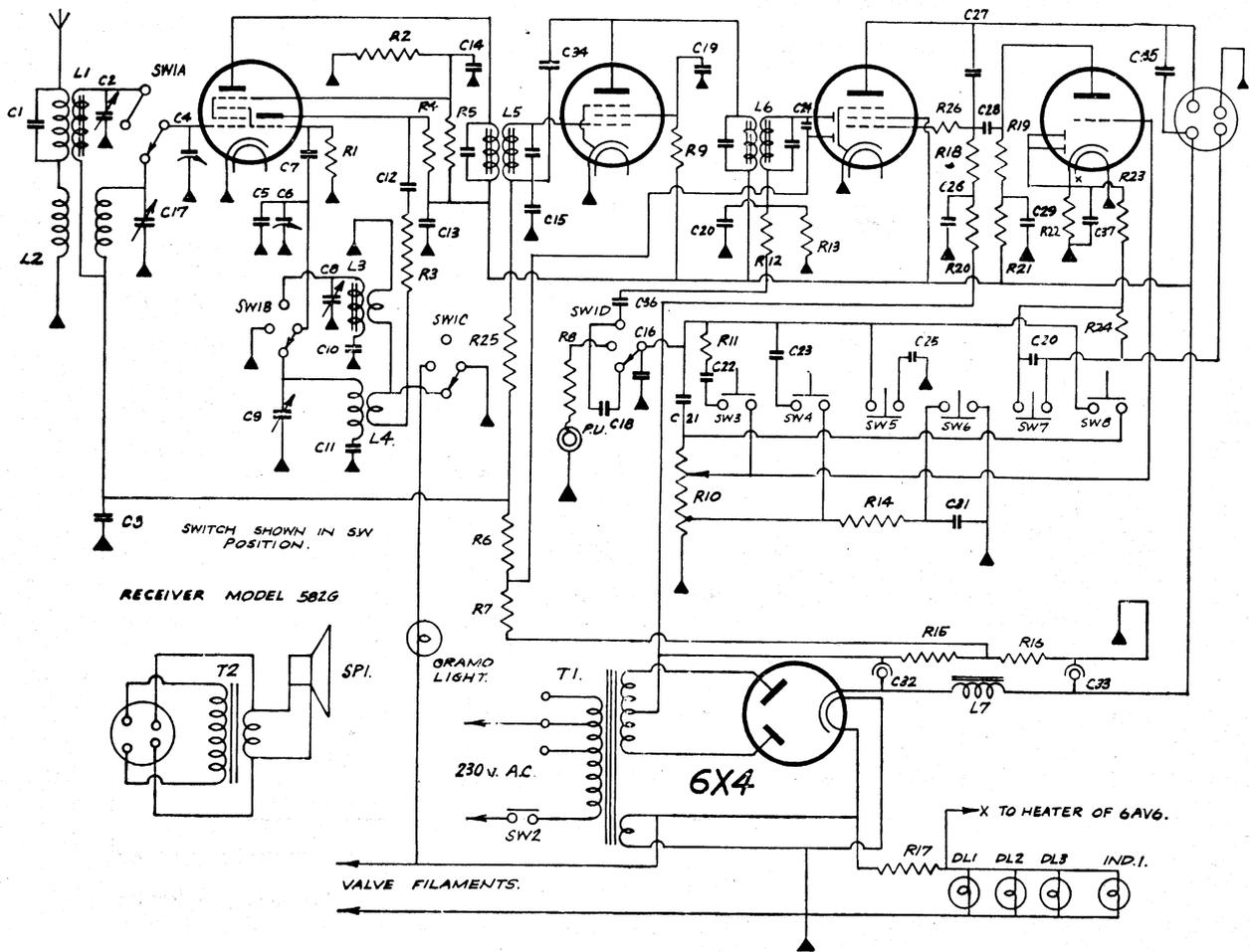


6AE8

6BA6

6BV7

6AV6



Part Ref. No.	COMPONENTS	Part Ref. No.	COMPONENTS
C1, C7, C22, C24	100 pfd. Mica Capacitor.	R10	500,000 ohm Carbon Potentiometer tapped 100,000 ohms, type RL702.
C2, C8, C9, C17	3-30 pfd. Trimmer Capacitor.	R13	220,000 ohm ½ watt Carbon Resistor.
C4, C6	12-450 pfd. Variable Capacitor, 2 gang.	R15	56 ohm ½ watt Wire Wound Resistor, 10% tolerance.
C3, C12, C13, C14, C19	.05 mfd. 400 volt Paper Capacitor.	R16	39 ohm ½ watt wire wound resistor, 10% tolerance.
C5	10 pfd. Ceramicon Capacitor.	R17	1 ohm, 3 watt Wire Wound Resistor.
C10	430 pfd. silvered mica Capacitor, 2½ per cent. tol.	R18	470,000 ohm ½ watt Carbon Resistor.
C11	.005 mfd. mica Capacitor.	R19	220,000 ohm 1 watt Carbon Resistor.
C15, C30, C31	.01 mfd. 600 volt paper Capacitor.	R22	3,300 ohm ½ watt Carbon Resistor.
C16, C20	200 pfd. mica Capacitor.	R23	22,000 ohm ½ watt Carbon Resistor.
C18, C21, C25	.001 mdf. 400 volt paper Capacitor.	R24	68,000 ohm ½ watt Carbon Resistor.
C23	.0005 mfd. mica Capacitor.	R26	47,000 ohm ½ watt Carbon Resistor.
C26	.1 mfd. 200 volt paper Capacitor.	L1	Aerial coil (B'cast) Type RJ85.
C27	.25 pfd. mica Capacitor.	L2	Aerial coil (S.W.) Type RJ 88.
C28, C36	.02 mfd. 600 volt paper Capacitor.	L3	Oscillator coil (B'cast) Type RJ87.
C29	.25 mfd. 400 volt paper Capacitor.	L4	Oscillator coil (S.W.) Type RJ89.
C32	24 mfd. 525 PV. Electrolytic Capacitor.	L5, L 6	I.F. transformer, Type RJ83.
C33	16 mfd. 350 PV. Electrolytic Capacitor.	L7	Power choke, Type 14/60.
C34	5 pf. neutralizing Capacitor.	T1	Power transformer, Type RK41,200,230, 250 volts.
C35	.005 mfd. 600 volt paper Capacitor.		Secondary 272.0-272 volts @ 60 m/a, 6.3 volts @ 3 amps.
C37	.02 mfd. 600 volt paper Condenser	T2	Speaker transformer, Type CBG64,7000 ohm.
R1, R14	33,000 ohm ½ watt Carbon Resistor.	SP1	Rola speaker, Type 12-0.
R2	33,000 ohm 1 watt Carbon Resistor.	DL1, DL2, DL3, IND. 1	Dial lights, 6.3 volts, 0.3 amps.
R3	470 ohm ½ watt Carbon Resistor.		
R4, R5	33,000 ohm 2 watt Carbon Resistor.		
R6, R7	1.0 megohm ½ watt Carbon Resistor.		
R8, R11, R12, R20, R21, R25	100,000 ohm ½ watt Carbon Resistor.		
R9	100,000 ohm 1 watt Carbon Resistor.		

# Service Data for the Healing Receiver

## MODEL 582G

Power Supply: 200-250 volt A.C. 50 cycle.

Power Consumption: 48 watts.

Frequency Range: B/C. 540-1630 Kc/s.  
S/W. 6-18 Mc/s.

Speaker Transformer Impedance: 7000 ohms.

Dial Lights: 6.3 volt, 0.3 amp.

Gramo Light: 6/8 volt, 3 watt S.B.C. double contact.

D.C. RESISTANCE OF R.F. COILS			
Coil	Type	Primary ohms	Sec. Ohms
Aerial B/C	RJ85	24	3.2
Osc. B/C.	RJ87	0.1	1.9
1st I.F.	RJ83	8.5	8.5
2nd I.F.	RJ83	8.5	8.5
Negligible resistance in S/W coils.			

### Typical Working Voltages

D.C. voltages measured to chassis with no signal input.

Bias Voltage across R16 = 2.3 volts.

Bias Voltage across R15 and R16 = 5.2 volts.

Valve	Use	A.C.	1000 OHMS PER VOLT D.C. METER SCALES			
		10V Heater	50V Cathode	500V Screen	500V Plate	500V Osc. Plate
6AE8	Converter	6.1	0	85	250	105
6BA6	I.F.	6.1	0	85	250	-
6AV6	1st A.F.	4.7	1.0	-	105	-
6BV7	Det. A.V.C. 2nd A.F.	6.1	0	250	235	-
6X4	Rectifier	6.1	280 volt D.C. input to filter			

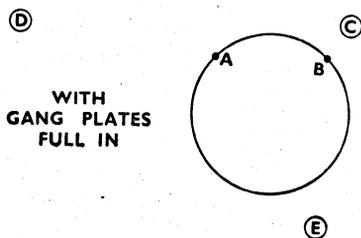
### Typical Valve Currents

Milliamps.

Where possible, current is read on the H.T. side of the valve element load or dropping resistor.

Valve	Use	Cathode	Screen	Plate	Osc. Plate	Osc. Grid
6AE8	Converter	11	2.3	2.4	5.9	0.3
6BA6	I.F.	7.2	1.9	5.3	-	-
6AV6	1st A.F.	0.42	-	0.42	-	-
6BV7	Det. AVC. 2nd A.F.	27.0	4.5	32.5	-	-
6X4	Rectifier	Total H.T. Current = 57 M.A.				

### Dial cord arrangement:



**1st dial cord (dial drive):** Anchor cord at B and bring out hole A, around drum 1½ turns anticlockwise around drive spool E 2 turns clockwise, around drum anti-clockwise to point B and through to spring. Anchor spring at point A.

**2nd dial cord (pointer drive):** Anchor cord at point B, around drum almost 1 turn clockwise around pulley C, around pulley D, around dial drum clockwise to point A, and through to spring. Anchor spring at point B.

**Dial adjustment:** To correctly position pointer, turn gang full in, and set pointer directly behind a dot near station 2CR.

**Alignment:** Use standard procedure. Trimmers and slugs to be adjusted at 600 Kc/s, 1400 Kc/s, 7 Mc/s and 17 Mc/s.

**Position of Trimmers:** Trimmers are located directly under gang.