

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			

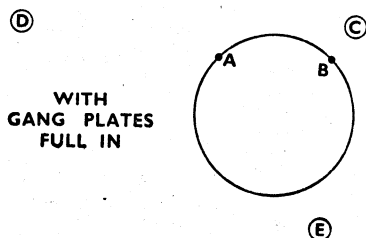
Typical Valve Currents

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.