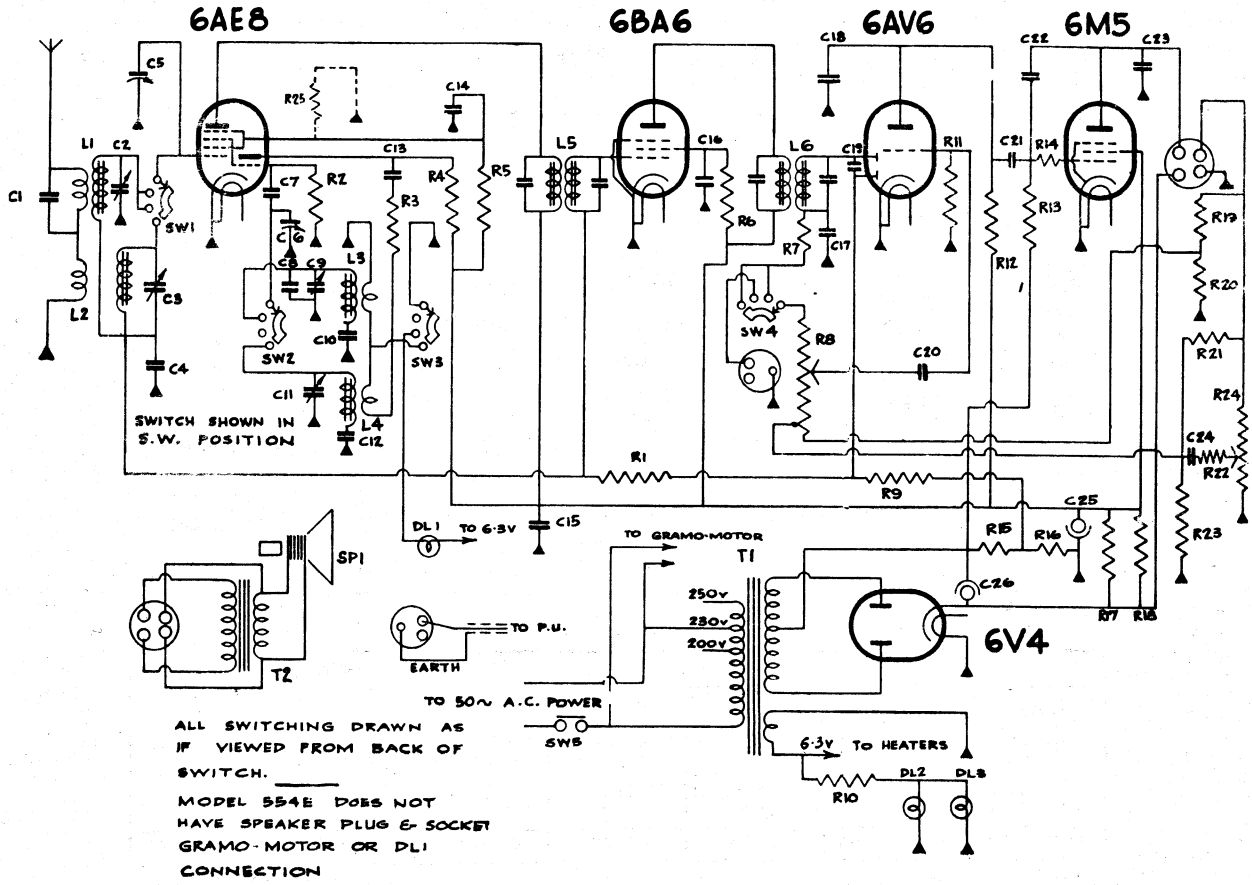
MODEL 554E, 580G



COMPONENTS LIST

Part No.	DESCRIPTION
C1	.0001 mfd. 400 volt mica condenser, special lugs.
C2, C3, C9, C11	Trimmer condensers, 3-30 pfd.
C4, C24	.05 mfd. 200 volt paper condenser
C5, C6	12-450 pfd. variable condenser, 2 gang
C7, C19, C20	.0001mfd. 400 volt mica condenser.
C8	15 pfd. ceramicon condenser, type N750
C10	433 pfd. silvered mica condenser, $+-2\frac{1}{2}\%$
C12	.005 mfd. mica condenser
C13, C14, C15, C16	.05 mfd. 400 volt paper condenser
C17, C18	.0002 mfd. 400 volt mica condenser
C20, C21	.01 mfd. 600 volt paper condenser
C22	50 pfd. 400 volt mica condenser
C23	.005 mfd. 600 volt paper condenser
C25	16 mfd. 350 p.v. electrolytic condenser
C26	24mfd. 525 p.v. electrolytic condenser
R1, R9	1 megohm $\frac{1}{2}$ watt carbon resistor
R2	33,000 ohm $\frac{1}{2}$ watt carbon resistor
R3	500 ohm $\frac{1}{2}$ watt carbon resistor
R4, R5	33,000 ohm 1 watt carbon resistor
R6, R7	100,000 ohm $\frac{1}{2}$ watt carbon resistor
R8	500,000 ohm potentiometer, tapped at 100,000 ohms, Type RL586A
R10	2 ohm, 1 watt, W.W. resistor
R11	10 meg. $\frac{1}{2}$ watt carbon resistor
R12	220,000 ohm $\frac{1}{2}$ watt carbon resistor
R13	470,000 ohm $\frac{1}{2}$ watt carbon resistor
R14	47,000 ohm $\frac{1}{2}$ watt carbon resistor

Part No.	DESCRIPTION
R15	60 ohm $\frac{1}{2}$ watt carbon resistor
R16	40 ohm $\frac{1}{2}$ watt carbon resistor
R17, R18	6,000 ohm 1 watt carbon resistor
R19	50 ohm $\frac{1}{2}$ watt carbon resistor
R20	10 ohm $\frac{1}{2}$ watt carbon resistor
R21	15,000 ohm $\frac{1}{2}$ watt carbon resistor
R22	1,000 ohm $\frac{1}{2}$ watt carbon resistor
R23	1,500 ohm $\frac{1}{2}$ watt carbon resistor
R24	50,000 ohm potentiometer, linear element, type RL597
R25	40,000 ohm $\frac{1}{2}$ watt carbon resistor (used in some chasses only)
L1	Aerial coil (B'cast) type RJ85
L2	Aerial coil (S.W.) type RJ88
L3	Osc. coil (B'cast) type RJ87
L4	Osc. coil (B'cast) type RJ89
L5, L6	I.F. transformer, type RJ83
T1	Power transformer, 260-0-260 @ 60 m/a, 6.3 volts @ 3 amps.
T2	Speaker transformer: Model 554E: type DDB46. Model 580G: type JBG69
SP1	Speaker: Model 554E: type 6H. Model 580G: type 12J.
SW1, 2, 3, 4	Switch, 4 pole, 2 position type RL596 or AK28086
SW5	S.P. switch on back of R24
DL1	6/8 volt, 3 watt, double contact lamp (used on model 580G only)

Service Data for the Healing Receivers

MODELS 554 E, 580 G.

Power Supply: 200-250 volts, A.C., 50 cycles

Power Consumption: 45 watts.

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

Speaker Transformer Impedance: 7,000 ohms.

Dial Lights: 6.3 volts., 0.3 amps.

Gramo Light: 6/8 volt, 3 watt.

D.C. Resistance of R.F. Coils.			
Coil	Type	Primary Ohms	Secondary Ohms
Aerial B/C.	RJ85	24	3.2
Osc. B/C.	RJ87	.1	1.9
1st I.F.	RJ83	8.5	8.5
2nd I.F.	RJ83	8.5	8.5
Negligible resistance in Short Wave Coils.			

Typical Working Voltages.

D.C. Voltages are measured to chassis with no signal input.

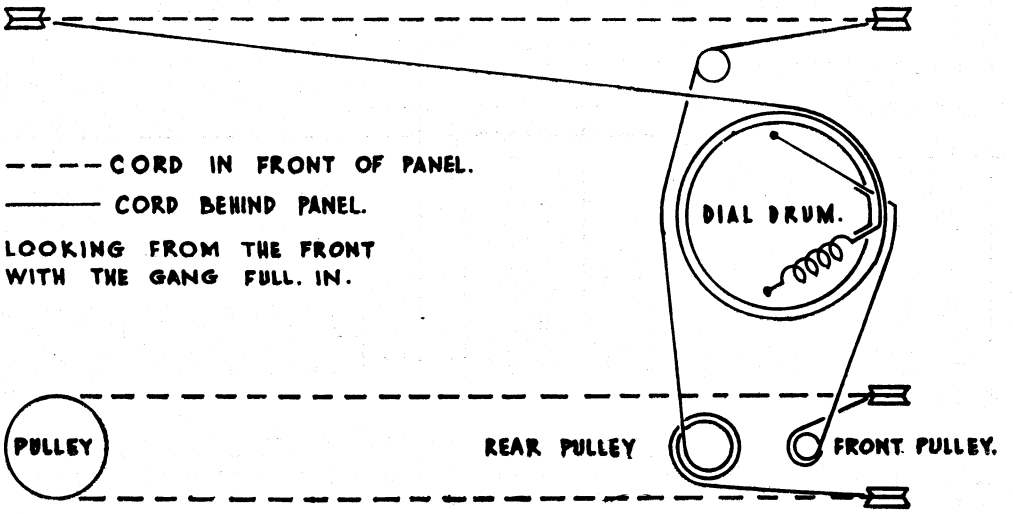
Bias Voltage: Across R16=2 volts, across R15 and R16=4.6 volts.

			1000 ohm per volt D.C. Meter Scales.			
		A.C.	500 V.	250 V.	250 V.	250 V.
Valve	Use	Heater	Cathode	Screen	Plate	Osc. Plate
6AE8	Conv.	6.1	0	90	200	86
6BA6	I.F.	6.1	0	95	200	
6AV6	Det. A.V.C. 1st Aud.	6.1	0		78	
6M5	A.F.	6.1	0	200	250	
6V4	Rect.	6.1	260			

Typical Valve Currents.

Milliamps.

Valve	Use	Cathode	Screen	Plate	Osc. Plate	Osc. Grid
6AE8	Conv.	7.7	2.1	2.2	3.42	B/C. .24
6BA6	I.F.	5.9	1.5	4.4		S/W. .15
6AV6	Det. A.V.C. 1st Aud.	.5		.5		
6M5	A.F.	38.5	4.5	34		
6V4	Rect.		Total H.T. Current: 53 m/a.			



Dial Adjustment: With gang full in, loosen the drum set screws. Rotate drum until pointer is directly behind a dot near the low frequency end of the top row of stations. Tighten grub screws.

Alignment: Use standard procedure.

Positions of Trimmers: Broadcast Osc.: Between switch and front of chasssis. Broadcast Aerial: Adjacent to Aerial Coil. Shortwave Osc.: Beneath 6AE8 valve socket. Shortwave Aerial: Mounted across S.W. Aerial Coil. There is no variable padder.