

Service Data for the Healing Receiver

MODEL 876 G

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

Power Consumption: 75 Watts.

Frequency Range: B/C. 540-1630 Kc/s.

S/W. 6-18 Mc/s.

Speaker Transformer Impedance: 10,000 ohms C.T.

Dial Lights: 6.3 volts, 0.3 amps.

Gramo Light: 6/8 volt, 3 watt M.B.C. Double Contact.

D.C. RESISTANCE OF R.F. COILS			
Coil	Type	Primary Ohms	Sec. Ohms
Aerial B/C.	RJ93	24	3.2
RF B/C.	RJ91	103	3.5
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 Shortwave Coils			

Typical Working Voltages.

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

Bias voltage across R32 = 3.2 volts.

Valve	Use	A.C. Filament	1000 OHMS PER VOLT D.C. METER SCALES			
			50V.	250V.	250V.	250V.
			Cathode	Screen	Plate	Osc. Plate
6BA6	R.F.	6.3	0	115	245	
6AN7	Convertor	6.3	B.C. 1.6 S.W. 2.2	103	245	98
6N8	I.F. Det. A.V.C.	6.3	0	95	245	63
6AU6	1st Aud.	6.3	1.8	42	50	
6AU6	Phase Inv.	6.3	18	130	130	
6V6GT } 6V6GT }	Push Pull A.F.	6.3 6.3	15 15	245 245	232 232	
5Y3GT	Rect.	5.0	Voltage Output from Rectifier 279.			

Typical Valve Currents.

Milliamps.

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

Valve	Use	Cathode	Screen	Plate	Osc. Plate	Osc. Grid
6BA6	R.F.	8.8	2.4	6.4		
6AN7	Convertor	B/C. 8.3 S/W. 10.9	1.9 1.4	1.6 3.5	4.8 6	.3 .15
6N8	I.F. Det. A.V.C.	6.3	1.6	4.7		
6AU6	1st Aud.	.6	.2	.4		
6AU6	Phase Inv.	.6		.6		
6V6GT } 6V6GT }	Push Pull A.F.	41 41	2.4 2.4	38.6 38.6		
5Y3GT	Rect.					
Total H.T. Current: 107.						

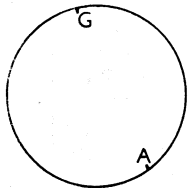
HEALING

MODEL 876G

DIAL CORD ARRANGEMENTS

(F)

(E)



(B)

(D)

(C)

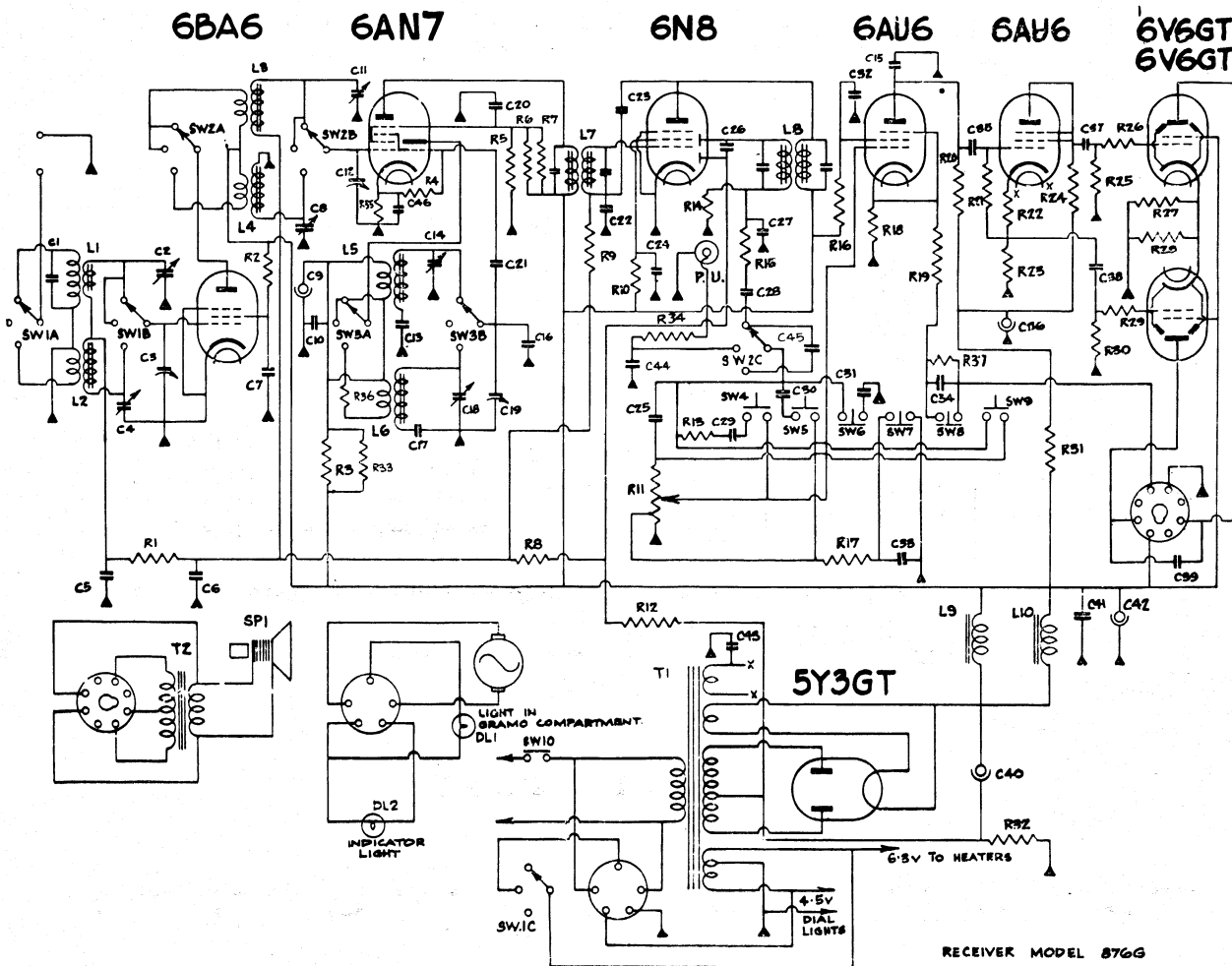
PULLEY AND DIAL DRUM LAYOUT

(b) **2 PULLEY TYPE:** Gang full in. Anchor cord at point A. Round drum one turn clockwise, round front drive pulley 3 times anti-clockwise with second turn behind first, round drum $\frac{1}{2}$ turn anti-clockwise, round pulley E, round pulley F, round drum one turn clockwise, through hole G to spring. Attach spring at A.

Dial Adjustment: To correctly position pointer, turn gang full in, loosen drum grub screws. Rotate drum until pointer is directly behind a dot near station 2CR. Tighten grub screws.

Alignment: Use standard procedure. Aerial and R.F. trimmers and slugs to be adjusted at 600KC, 1400KC, 7 Megs, and 17 Megs.

Position of trimmers: Aerial trimmers are in the rear compartment. R.F. trimmers are in the front compartment. Osc. trimmers, tubular types, in the front compartment.



RECEIVER MODEL 876G
CIRCUIT DRAWING.

HEALING

MODEL 876 G — Continued

COMPONENT'S LIST

Part No.	DESCRIPTION	Part No.	DESCRIPTION
C1	.0001 mfd. mica condenser, special lugs (Part of inductance L1).	R5	33,000 ohm 1 watt carbon resistor.
C2, C4, C8, C11	3-30 pfd. trimmer condenser	R8, R12, R16, R21	1 meg. ½ watt carbon resistor.
C3, C12, C19	15-430 pfd., 3 gang variable condenser.	R10	100,000 ohm 1 watt carbon resistor.
C5, C6, C7, C10, C20, C24, C32, C41	.05 mfd., 400 volt, paper condenser.	R11	500,000 ohm carbon potentiometer, at 100,000 ohms Type RL360A.
C9, C36	8 mfd. 525 pv electrolytic condenser (see note).	R14	220,000 ohms ½ watt carbon resistor.
C13	430 pfd. silvered mica condenser, 2½% tol.	R17	33,000 ohm ½ watt carbon resistor.
C14, C18	3-30 pfd. air trimmer condenser.	R18	3,300 ohm ½ watt carbon resistor.
C15, C21, C26	.0001 mfd. 400 volt mica condenser.	R19	22,000 ohm ½ watt carbon resistor.
C16	10 pfd., ceramicon condenser, type N750.	R20	220,000 ohm 1 watt carbon resistor.
C17	.005 mfd. 400 volt mica condenser, 10% tol.	R22	4,700 ohm ½ watt carbon resistor.
C22, C33, C34	.01 mfd. 600 volt paper condenser.	R23, R24	47,000 ohm 1 watt carbon resistor, 5% tol.
C23	5 pfd. neutralizing condenser.	R25, R30	470,000 ohm ½ watt carbon resistor.
C25, C31, C45	.001 mfd. 600 volt paper condenser.	R27, R28	350 ohm 1 watt W.W. resistor.
C27, C44	.0002 mfd. 400 volt mica condenser.	R32	33 ohm 1 watt W.W. resistor.
C28, C35, C37, C38	.02 mfd. 600 volt paper condenser.	R35	200 ohm ½ watt W.W. resistor.
C29	25 pfd. 400 volt mica condenser.	R36	470 ohm ½ watt carbon resistor.
C30	.0005 400 volt mica condenser.	R37	70,000 ohm ½ watt carbon resistor.
C39	.005 600 volt paper condenser.	L1	Aerial coil (B'cast) type RJ93.
C40	24 mfd. 525 pv electrolytic condenser.	L2	Aerial coil (S.W.) type RJ94.
C42	16 mfd. 525 pv electrolytic condenser (see note).	L3	R.F. coil (B'cast) type RJ91.
C43, C46	.1 mfd. 200 volt paper condenser.	L4	R.F. coil (S.W.) type RJ95.
	NOTE C9, C36, and C42 included in same can.	L5	Osc. coil (B'cast) type RJ87.
R1, R9, R13, R34	100,000 ohms ½ watt carbon resistor.	L6	Osc. coil (S.W.) type RJ71.
R2	47,000 ohms 1 watt carbon resistor.	L7, L8	I.F. transformer type RJ83.
R3, R6, R7, R33	68,000 ohms 1 watt carbon resistor.	L9, L10	Power choke type 14/60.
R4, R15, R26, R29, R31	47,000 ohms ½ watt carbon resistor.	T1	Power transformer type RK39.
		T2	Prim 200, 230, 240 volts, Sec. 275.0. 275.
		SW1A, B, C; SW2A, B, C; SW3A, B	Sec. 5 volts @ 2a, 6.3v @ ½a 6.3 volts @ 4a tapped at 4.5 volts.
		SW4, 5, 6, 7, 8, 9 SW10	Speaker transformer type COL53. Rola speaker type 12/0. Lamp, 6 volt 3 watt, S.B.C. double contact. Tubular dial lamp, 6 volt, 0.3 amp.