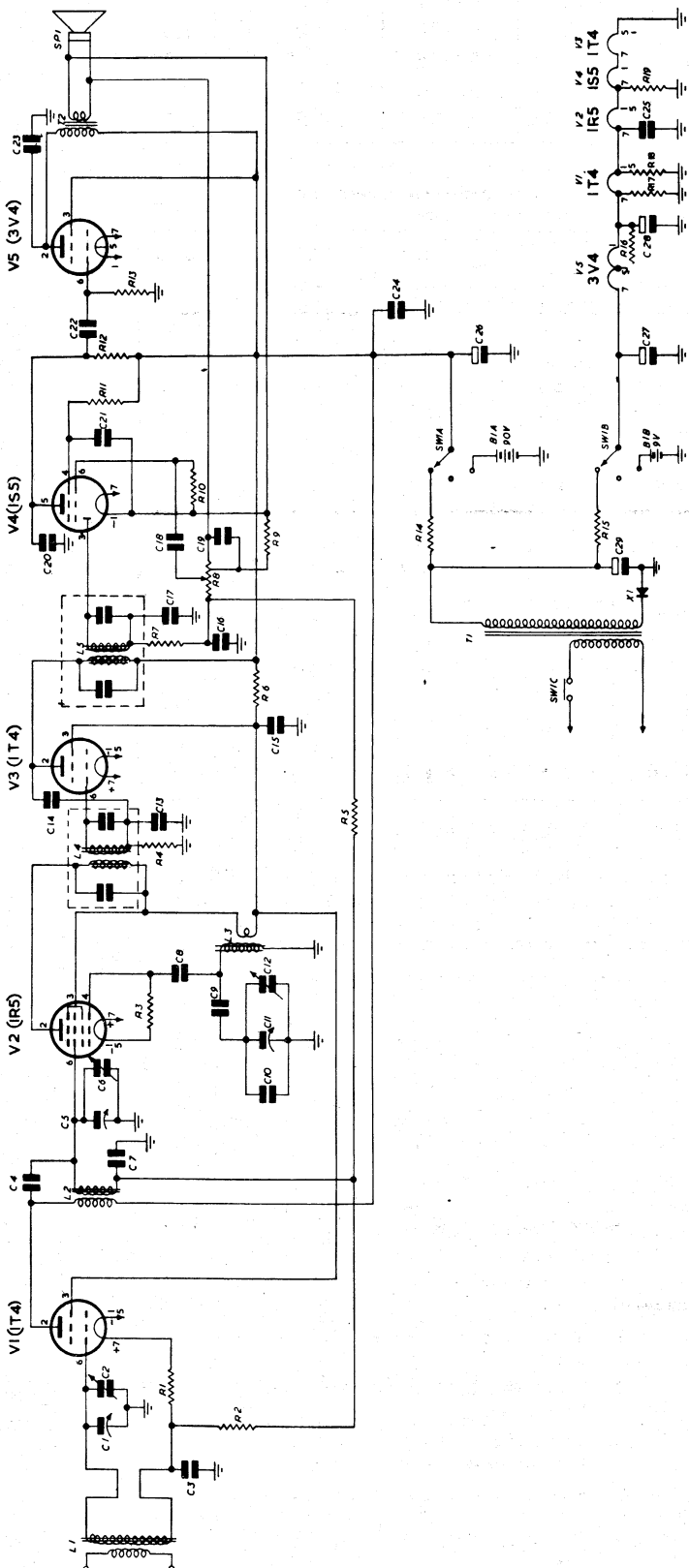


MODEL 501 H



COMPONENTS LIST

Part No.	DESCRIPTION	Part No.	DESCRIPTION	Part No.	DESCRIPTION
C1, C5, C11	12-450pfd Variable Capacitor, 3 Gang	R1	6.8 megohm ½W 10% Carbon Resistor	R15	2.4K ohm 10W W.W. Resistor
C2, C6, C12	Trimmer Capacitor, 3-30 pf	R2	1.8 megohm ½W 10% Carbon Resistor	R16	470 ohm ½W 10% Carbon Resistor
C3, C7	0.047 mf 200V, Paper Capacitor	R3	100K ohm ½W 20% Carbon Resistor	R17	1K ohm ½W 10% Carbon Resistor
C4, C14	6.8 pf Ceramicon Capacitor	R4	4.7 megohm ½W 20% Carbon Resistor	R18	2.2K ohm ½W 10% Carbon Resistor
C8, C17, C16, C20	100 pf Mica Capacitor	R5	3.3 megohm ½W 20% Carbon Resistor	R19	1K ohm ½W 10% Carbon Resistor
C9	475 pf Mica Capacitor	R6	10K ohm ½W 10% Carbon Resistor	L1	Aerial Coil, Type RJ127
C10	15 pf Ceramicon Capacitor	R7	47K ohm ½W 20% Carbon Resistor	L2	R.F. Coil, Type RJ129
C13	0.01 mf 200V Paper Capacitor	R8	1 meg potentiometer tapped @ 40K, type No. RL797	L3	Oscillator Coil, Type RJ126
C15, C24	0.047 mf 400V Paper Capacitor	R9	1.5K ohm ½W 20% Carbon Resistor	L4	I.F. Transformer, Type RJ100
C18, C19	0.0047 mf 200V Paper Capacitor	R10	10 megohm ½W 20% Carbon Resistor	L5	Dry Metal Rectifier, Type 18RA-1-1-8-1
C21, C22, C23	0.0047 mf 600V Paper Capacitor	R11	3.3 megohm ½W 20% Carbon Resistor	X1	4-5F, Speaker
C25	0.1 mf 400V Paper Capacitor	R12	470K ohm ½W 20% Carbon Resistor	SP1	Power Transformer, Type RK51
C26, C27	25 mf 150V Elect. Capacitor	R13	1 megohm ½W 20% Carbon Resistor	T1	Speaker Transformer, Type GBB72, 10,000 ohm Impedance
C28	100 mf 12V Elect. Capacitor	R14	2.2K ohm 1W W.W. Resistor	T2	{ Mains and Battery changeover Switch, Type AK.35596
C29	40 mf 150V Elect. Capacitor			SW1A	{
	NOTE: C26, C27, C28, C29 in same can			SW1B	{
				SW1C	{
				B1A	{
				B1B	{
					Battery, Type 753

Service Data for the Healing Receiver

MODEL 501H

Power Supply: 9/90V Battery Type
 No. 753: Mains 200-240V 50 Cycles
 Power Consumption (Mains): 15W.
 Freq. Range: 530-1630 Kc/s.
 Int. Freq.: 455 Kc/s.
 Speaker Transformer: Type GBB72
 Impedance, 10,000 Ohms.

D.C. Resistance of R.F. Coil			
Coil	Type	Primary Ohms	Secondary Ohms
Aerial	RJ127	0.09	0.55
R.F.	RJ129	62.0	7.0
Osc.	RJ126	0.65	1.80
1st I.F.	RJ100	20.0	20.0
2nd I.F.	RJ101	20.0	20.0

VOLTAGE MEASUREMENTS

Taken with no signal. All measurements are taken to chassis except filaments which are measured across appropriate pins.

Valve	Use	1000 Ohms per Volt D.C. Meter Scales					
		10V		250V		250V	
		Filament		Screen		Plate	
		Bat.	Mains	Bat.	Mains	Bat.	Mains
1T4	R.F.	1.5	1.3	50	52	87	89
1R5	Conv.	1.5	1.3	50	52	50	52
1T4	I.F.	1.5	1.3	50	52	87	89
1S5	Det. A.V.C. 1st A.F.	1.5	1.3	4	4	15	15
3V4	2nd A.F.	3.0	2.6	87	89	84	86

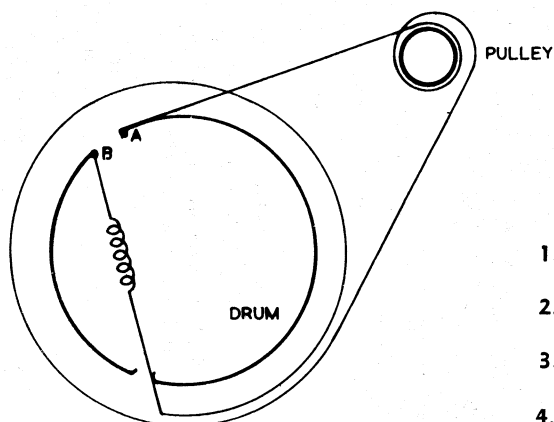
CURRENT MEASUREMENTS (M.A.)

Valve	Use	Screen		Plate		Osc. Grid	
		Bat.	Mains	Bat.	Mains	Bat.	Mains
1T4	R.F.	0.62	0.65	1.65	1.75		
1R5	Conv.	1.75	1.85	0.55	0.56	0.20	0.21
1T4	I.F.	1.0	1.05	2.25	2.35		
1S5	A.V.C. Det. 1st A.F.	0.02	0.02	0.1	0.1		
3V4	2nd A.F.	1.0	1.15	4.0	4.8		

Total H.T. Current: Mains, 14 m/a.
 Battery, 13 m/a.

ALIGNMENT: Set osc. trimmer (centre of gang) at 1400 Kc/s and osc. coil slug at 600 Kc/s. Align 1R5 grid trimmer (Front gang section) at 1400 Kc/s and RF coil slug at 600 Kc/s. The aerial coil trimmer (rear of gang) is aligned at 1400 Kc. after chassis, cover, and **Karmagnet** are replaced in case.

The Karmagnet lead should be loosely folded — see diagram on case lid. The generator leads should be brought to within 2 feet of the receiver and the trimmer aligned through a hole in the rear of the protection cover.



1. With gang fully closed, anchor the dial cord to point "A."
2. Wind the cord around the pulley one and a half turns.
3. Wind the cord around the dial drum one and a third times and tie to spring.
4. Anchor spring to point "B."