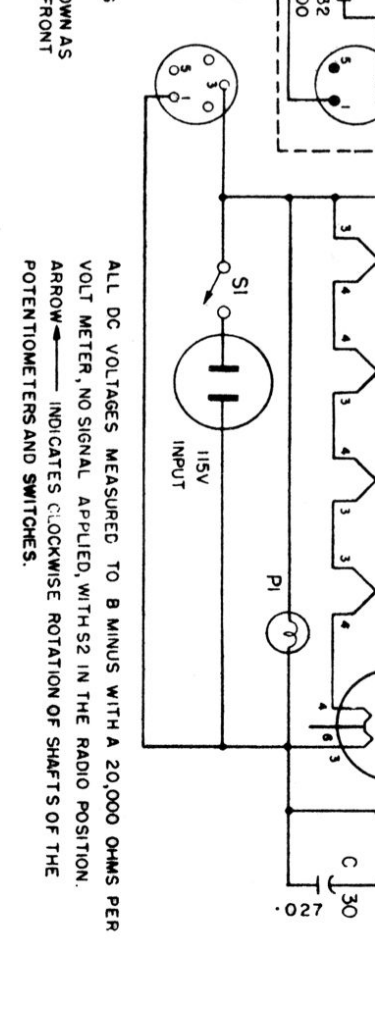
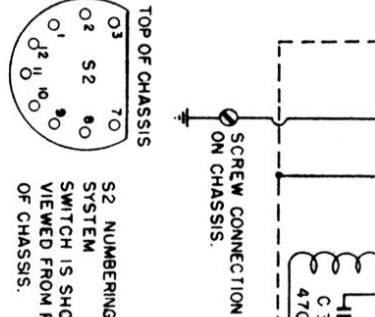
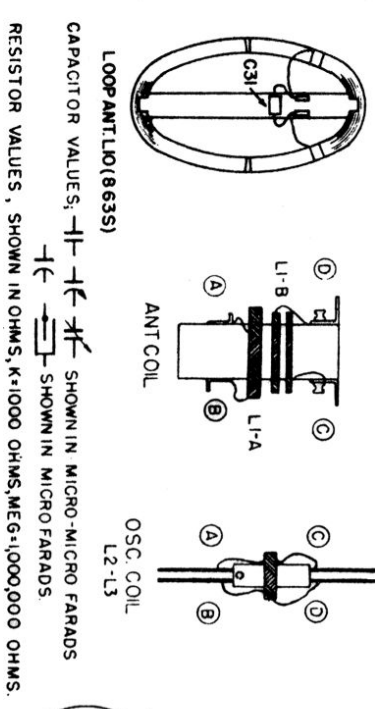
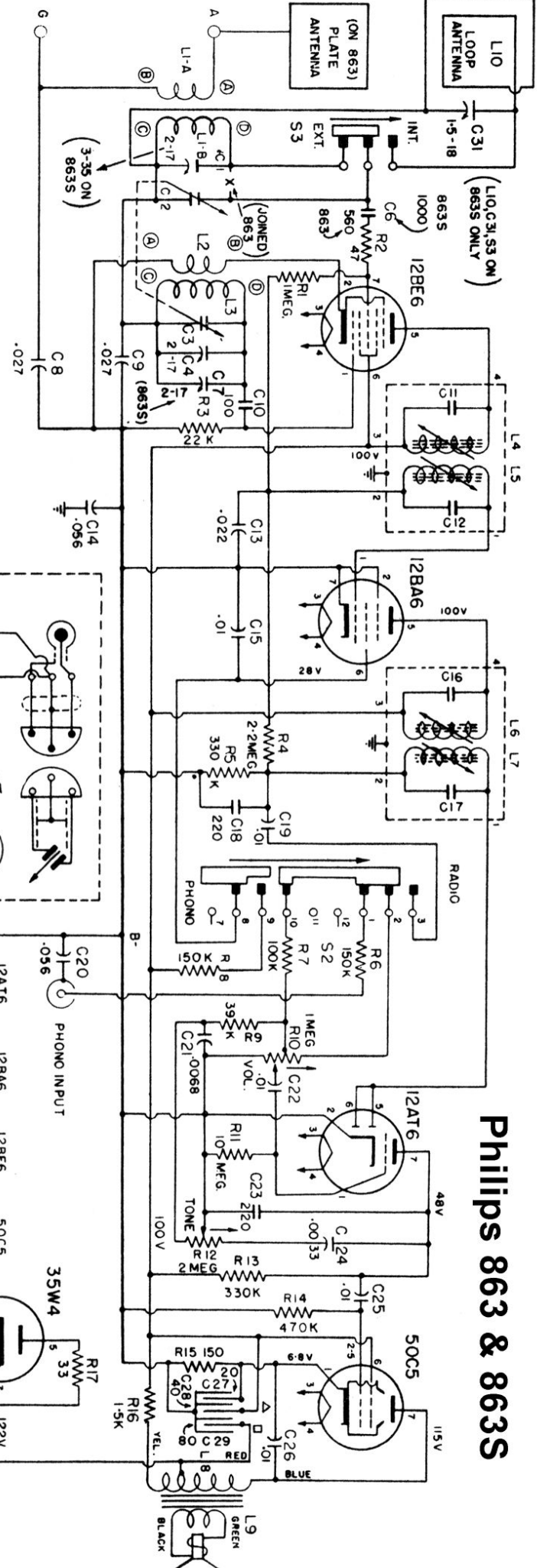


L	1	A	10	1-B	2	2	3	3	4	5	6	7	8	9
C	31	1	2	6	2	3	4	8	9	10	11	12	13	14
R					2	1					15	16	17	18
											19	20	21	22
											23	24	25	26
											27	28	29	30
											31	32	33	34
											35	36	37	38
											39	40	41	42
											43	44	45	46
											47	48	49	50
											51	52	53	54
											55	56	57	58
											59	60	61	62
											63	64	65	66
											67	68	69	70
											71	72	73	74
											75	76	77	78
											79	80	81	82
											83	84	85	86
											87	88	89	90
											91	92	93	94
											95	96	97	98
											99	100	101	102

Philips 863 & 863S



ALL DC VOLTAGES MEASURED TO B MINUS WITH A 20,000 OHMS PER VOLT METER, NO SIGNAL APPLIED, WITH S2 IN THE RADIO POSITION. ARROW → INDICATES CLOCKWISE ROTATION OF SHAFTS OF THE POTENTIOMETERS AND SWITCHES.

RESISTOR VALUES, SHOWN IN OHMS, K=1000 OHMS, MEG=1,000,000 OHMS.

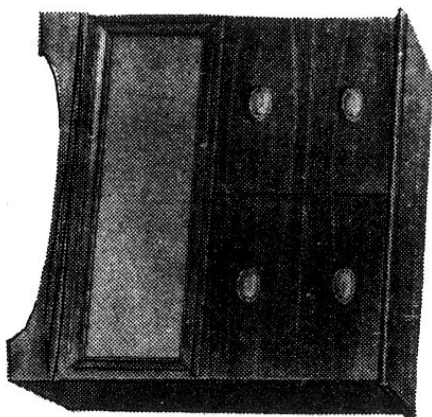
CAPACITOR VALUES: —|—|— SHOWN IN MICRO-MICRO FARADS
 —|—|— SHOWN IN MICRO FARADS

LOOP ANT. L10 (863S)
 ANT. COIL
 OSC. COIL L2-L3

TOP OF CHASSIS
 S2 NUMBERING SYSTEM
 SWITCH IS SHOWN AS VIEWED FROM FRONT OF CHASSIS.

ALIGNMENT PROCEDURE CHART

SIGNAL GENERATOR		RECEIVER			
Operation Steps	Connections to Receiver	Frequency	Tuning Capacitor	See Notes	Adjust in Stated Order for Maximum Output
1	To pin 1 of 12BA6 through .05 mf. capacitor	455 kc.	Min.		2nd I.F. Transformer L7-L6
2	To stator of C1 through .05 mf. capacitor	455 kc.	"	A	1st I.F. Transformer L5-L4
3	To antenna connection through 100 mmf. capacitor*	1500 kc.	1500 kc.		Oscillator Trimmer C4 (also C7 on 863S)
4	To antenna connection through 100 mmf. capacitor*	1500 kc.	1500 kc.		Antenna Trimmer C1
5 (863S)	Disconnect leads from receiver	1500 kc.	1500 kc.	B	Loop Trimmer C31



* or a standard dummy antenna with a 200 mmf. capacitor in series.

NOTE A: After completing operation No. 2, carefully readjust L7 and L6.

NOTE B: Receiver and Changer to be in position in the drawer, adjust loop trimmer through hole in side of drawer. Use radiated signal or align on weak station around 1500 kc.

