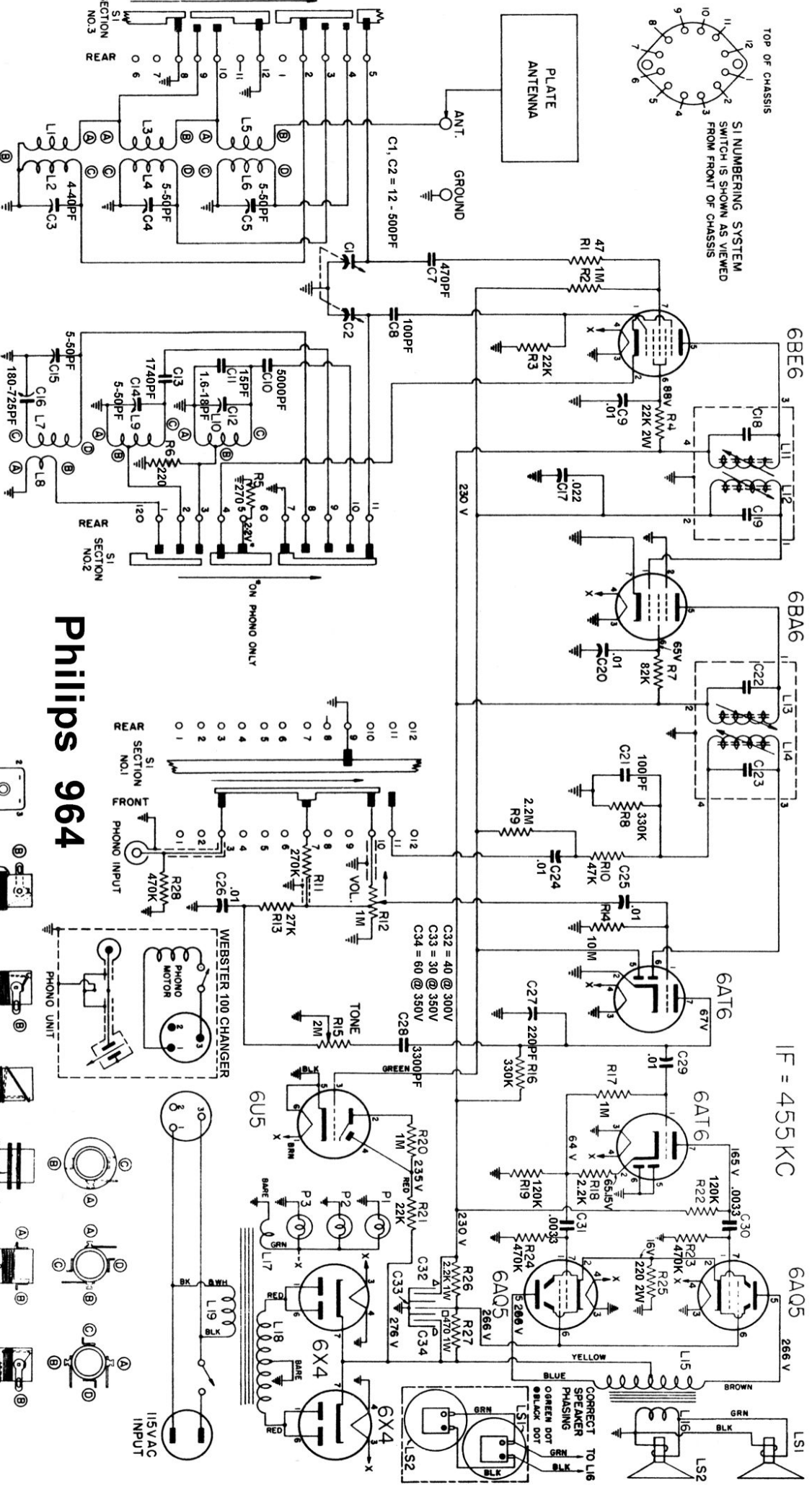
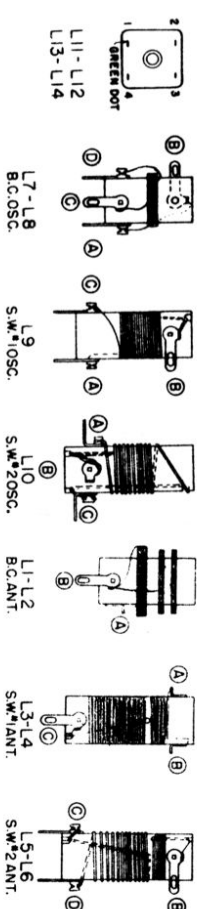


L	1,2,3,4,5,6	7,8,9,10,11,12	13,14	15,16,17,18,19
C	1,2,3,4,5, 7,8	9,10,11,12,13,14,15,16,17,18,19	20,21,22,23	24,25,26
R	1, 2, 3,	4, 5, 6	7	8, 9, 10, 11, 12, 13, 14, 28
				15,16,17
				30,31,32,33,34
				18,19,20,21,22,23,24,25,26,27



Philips 964

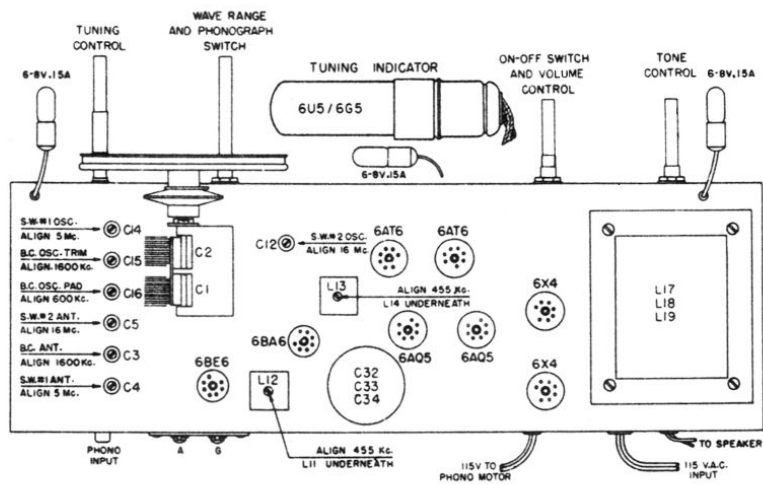
ARROWS → ON POTENTIOMETERS AND SWITCHES INDICATE CLOCKWISE ROTATION OF SHAFT
 ALL SWITCH SECTIONS ARE SHOWN IN THE EXTREME COUNTER CLOCKWISE POSITION OF SWITCH
 (SI IS IN THE PHONOGRAPH POSITION). ALL D.C. VOLTAGES MEASURED TO CHASSIS WITH A 20,000
 OHMS PER VOLT METER, WITH SI IN A RADIO POSITION AND NO SIGNAL APPLIED. TEST
 VOLTAGE = 117V, 25-60 ω .



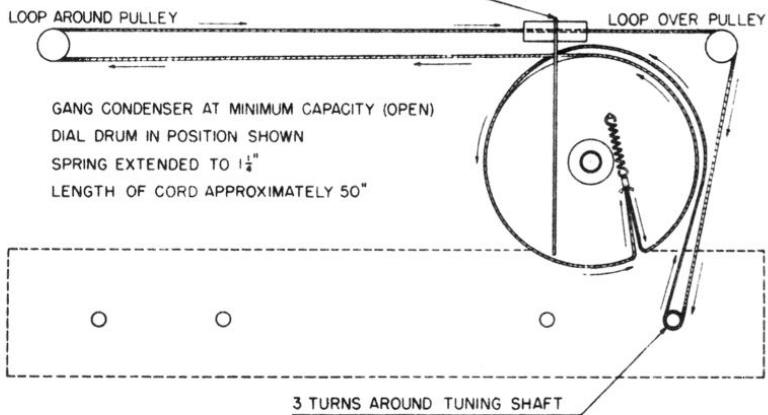
IF = 455 KC

266 V

115VAC INPUT



POINTER SHOWN AT HIGH FREQUENCY END OF DIAL



Philips Model 964 Alignment Procedure

SIGNAL GENERATOR			RECEIVER			
Operation Steps	Output Connections to Receiver	Frequency	Range Switch	Tuning Capacitor	See Notes	Adjust in stated order for Maximum Output
1	To 6BA6 Control Grid (1) through .05 uF capacitor	455 kc	Pos. 2	Min.		2nd I.F. Transformer L14 Bottom, L13 Top
2	To lug 5 of SW1, Section 3 through .05 uF capacitor	455 kc	Pos. 2	Min.	A	1st I.F. Transformer L12 Top, L11 Bottom
3	To Antenna Contact through 100 uuF Capacitor *	1600 kc	Pos. 2	1600 kc		B.C. Osc. Trimmer C15 B.C. Ant. Trimmer C3
4	To Antenna Contact through 100 uuF capacitor *	600 kc	Pos. 2	600 kc	B	B.C. Osc. Padder C16
5	To Antenna Contact through 400 ohms resistor *	5 Mc	Pos. 3	5 Mc	C	S.W. Osc. Trimmer C14 S.W. Ant. Trimmer C4
6	To Antenna Contact through 400 ohms resistor *	16 Mc	Pos. 4	16 Mc	C	S.W. Osc. Trimmer C12 S.W. Ant. Trimmer C5

* = or a standard dummy antenna with a 200 uuF condenser in series.

Alignment Notes

- Note A:** After operation 2 has been completed, do not make any further adjustments to L14 and L13.
- Note B:** The metal base plate of the chassis must be in position for operations 3, 4, 5 and 6.
- Note C:** After operation 4 has been completed, return to 1600 kc and repeat operation 3, then repeat operation 4.

- Note D:** Unscrew oscillator trimmers approximately 3 turns from tight. Then adjustment clockwise until first output peak is obtained. Make adjustments using this peak. Rock the tuning capacitor slowly back and forth while adjusting antenna trimmer.