

# EMERSON RADIO & PHONOGRAPH CORPORATION

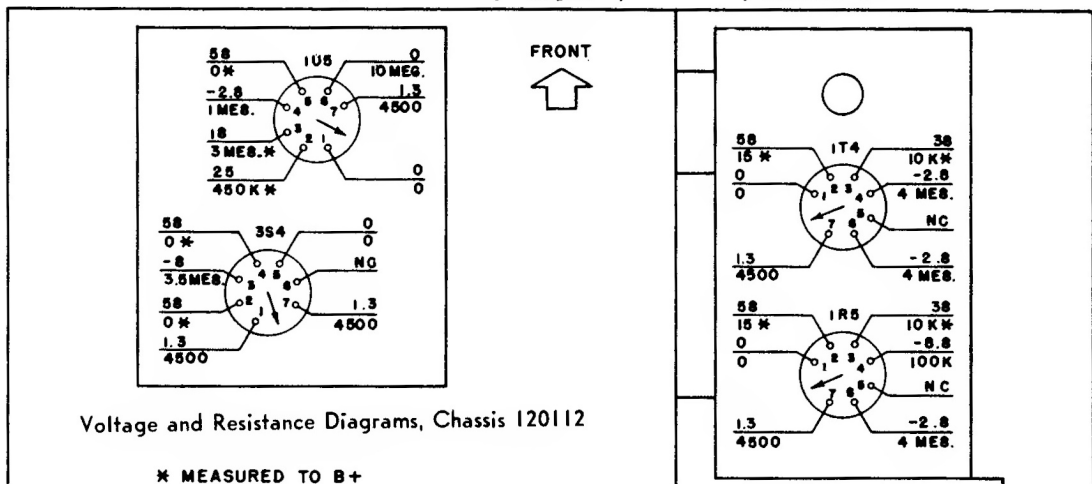
# MODEL: 640

## ALIGNMENT INSTRUCTIONS

CHASSIS MODEL: 120112

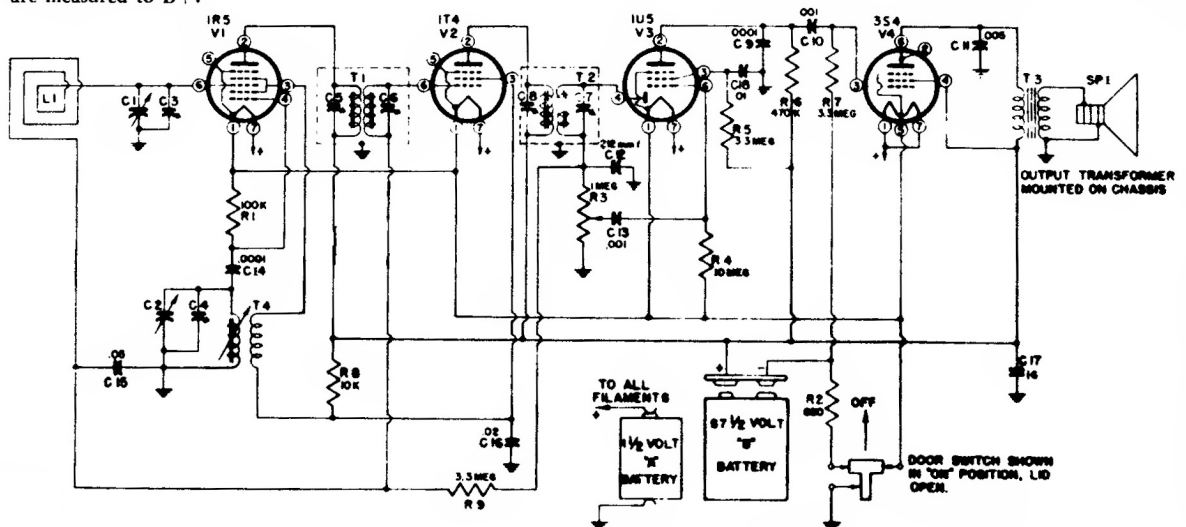
1. To position pointer, turn variable condenser fully closed and set pointer to reference mark at low-frequency end of dial back-plate.
2. Volume control should be at maximum; output of signal generator should be no higher than necessary to obtain an output reading.
3. Maintain loop in same position relative to chassis, if chassis is removed from cabinet.

	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1	.1 mfd.	High side to pin 6 (grid) of 1R5. Low side to chassis.	455 KC.	Tuning condenser fully open.	Across voice coil.	T2 and T1	Adjust for maximum output.
2		Loop	1620 KC.	"	"	C4 (osc. trimmer)	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.
3		"	1400 KC.	Tune for maximum output.	"	C3 (Ant. trimmer)	Adjust for maximum output.

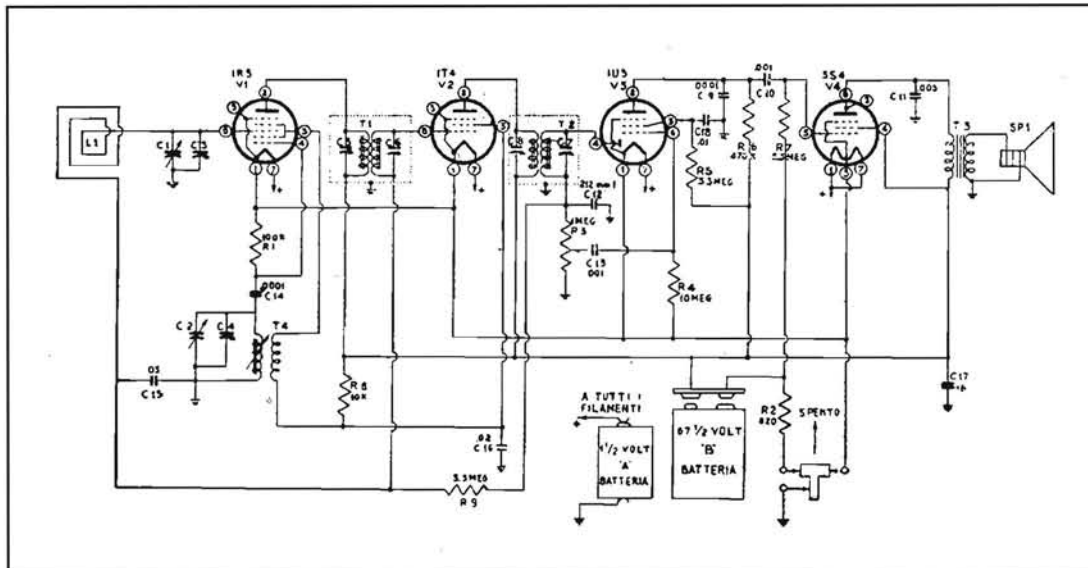


### CONDITIONS FOR VOLTAGE AND RESISTANCE READINGS

1. Voltages indicated are positive d.c., resistances in ohms, unless otherwise noted.
2. Measurements made with voltohmmyst or equivalent.
3. Socket connections are shown as bottom views, with measurements from pin to chassis.
4. Volume control at maximum, no signal applied, for voltage measurements.
5. Nominal tolerance in component values makes possible a variation of  $\pm 15\%$  in readings.
6. On the diagram, upper valves are voltage, lower valves are resistance; K is Kilohms, MEG is megohms. Resistance marked \* are measured to B+.

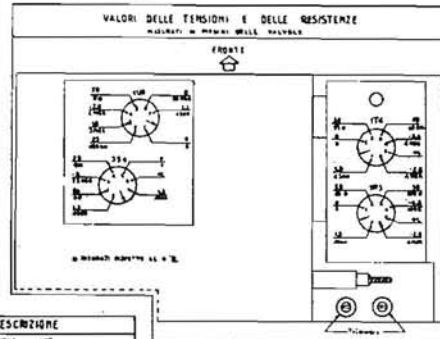


# EMERSON MOD 640



ISTRUZIONI PER L'ALLINEAMENTO						
BATTERIA	ADJUSTAMENTO	FREQUENZA DEL GENERATORE	INDICAZIONE DEL VARIABILE	INDICAZIONE DI USCITA	SCHEMI DI REGOLAZIONE	REMARKS
1	500K	Tensione del catodo per il tubo 1R5 e del tubo 1T4. Tensione di rete del tubo 1U5.	455 Kc	Controllo della spinta	Collegare alla antenna mobile $T_1 + T_2$	Regolare per la massima uscita
2	Telaio A	500K	Controllo della spinta	Controllo della spinta	$C_5$ Controllo dell'inductance B	Assicurarsi il bilanciamento del generatore a 455 Kc. Assicurarsi un corretto allineamento. Regolare per min. uscita
3	Telaio A	500K	Controllo della spinta	Controllo della spinta	$C_7$ Controllo dell'inductance	Regolare per la massima uscita

4. Queste tabelle di controllo da fare a questo scopo in 500 Kc. sono rappresentate schematicamente in questo modo su un diametro di 500 Kc.



DESCRIZIONE	PARTI N°	DESCRIZIONE	DESCRIZIONE	DESCRIZIONE	DESCRIZIONE	DESCRIZIONE	DESCRIZIONE
1R5	1R5	1R5	1R5	1R5	1R5	1R5	1R5
1T4	1T4	1T4	1T4	1T4	1T4	1T4	1T4
1U5	1U5	1U5	1U5	1U5	1U5	1U5	1U5
1554	1554	1554	1554	1554	1554	1554	1554
LI	LI	LI	LI	LI	LI	LI	LI
C1	C1	C1	C1	C1	C1	C1	C1
C2	C2	C2	C2	C2	C2	C2	C2
C3	C3	C3	C3	C3	C3	C3	C3
C4	C4	C4	C4	C4	C4	C4	C4
C5	C5	C5	C5	C5	C5	C5	C5
C6	C6	C6	C6	C6	C6	C6	C6
C7	C7	C7	C7	C7	C7	C7	C7
C8	C8	C8	C8	C8	C8	C8	C8
C9	C9	C9	C9	C9	C9	C9	C9
C10	C10	C10	C10	C10	C10	C10	C10
C11	C11	C11	C11	C11	C11	C11	C11
C12	C12	C12	C12	C12	C12	C12	C12
C13	C13	C13	C13	C13	C13	C13	C13
C14	C14	C14	C14	C14	C14	C14	C14
C15	C15	C15	C15	C15	C15	C15	C15
C16	C16	C16	C16	C16	C16	C16	C16
C17	C17	C17	C17	C17	C17	C17	C17
R1	R1	R1	R1	R1	R1	R1	R1
R2	R2	R2	R2	R2	R2	R2	R2
R3	R3	R3	R3	R3	R3	R3	R3
R4	R4	R4	R4	R4	R4	R4	R4
R5	R5	R5	R5	R5	R5	R5	R5
R6	R6	R6	R6	R6	R6	R6	R6
R7	R7	R7	R7	R7	R7	R7	R7
R8	R8	R8	R8	R8	R8	R8	R8
R9	R9	R9	R9	R9	R9	R9	R9
R10	R10	R10	R10	R10	R10	R10	R10

EMERSON-SICART - Mod. Emerson 640. Portatile a pile, di piccole dimensioni, con antenna a telaio. Gamma onde medie. Media frequenza a 455 kc/s. Potenza d'uscita 0,25 milliwatt.