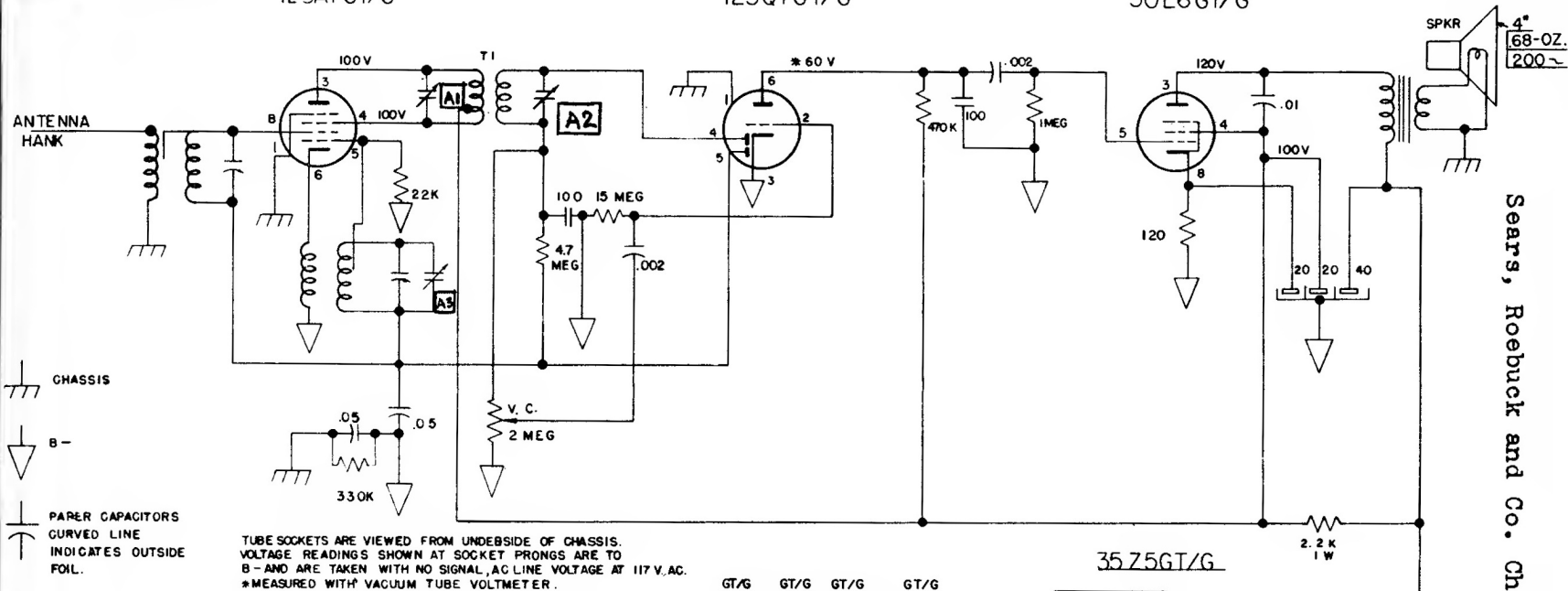


12SA7GT/G

12SQ7GT/G

50L6GT/G



NOTE: CAPACITY COUPLING IS BUILT IN THE ANTENNA AND OSCILLATOR COILS. ON SOME EARLY PRODUCTION SETS A 14 MUF MICA CONDENSER WILL BE USED IN PLACE OF THE BUILT IN CAPACITY ON THE ANTENNA COIL.

ALIGNMENT PROCEDURE

PRELIMINARY:

Output meter connection Across loudspeaker voice coil
 Output meter reading to indicate 500 milliwatts (Standard Output) --- 1.26 volts
 Dummy antenna to be in series with signal generator output ---- See chart below
 Connection of generator ground lead ----- Floating ground
 Generator modulation ----- 30% 400 cycles
 Position of Volume Control ----- Fully clockwise

Position of Variable	Generator Frequency	Dummy Antenna	Generator Output Connection	Trimmers Adjusted	Trimmer Function	Approximate Sensitivity
Open	455 Kc	.05 uf	12SA7 Grid (Stator of C-1)	A1 A2	IF	4000 uv.
1400 Kc	1400 Kc		Antenna Lug with hank removed	**A3	Oscillator	500 uv.

** Since the antenna section of the variable has no trimmer, the rotor of the variable should be rocked back and forth on both sides of 1400 Kc while adjusting the oscillator trimmer for maximum output. This is to obtain the combination of rotor and trimmer setting to give perfect tracking of the two sections of the variable condenser and consequently give maximum output. Check sensitivity at 600 Kc. If weak, adjust antenna section plates for maximum output at 600 Kc. Tracking of the condenser at points other than 1400 Kc is accomplished by bending the outside plates on the variable condenser rotor, which are cut for this purpose.

Sears, Roebuck and Co. Chassis 132.878, Catalog Nos. 1 & 2

Silverstone