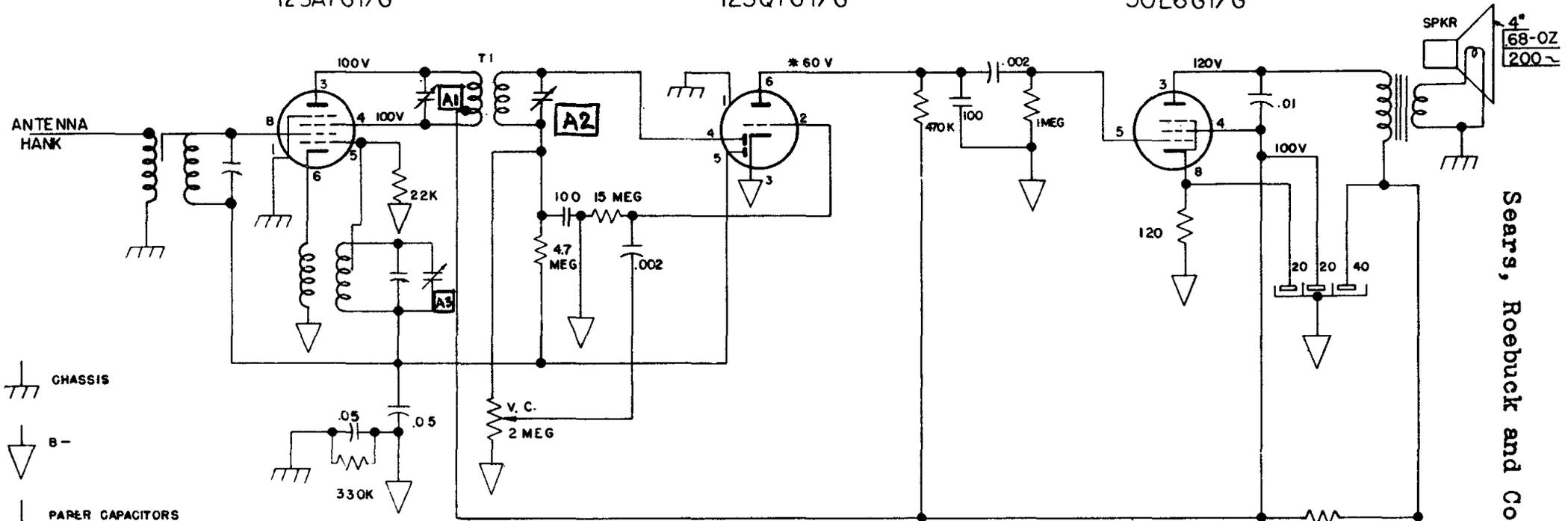


12SA7GT/G

12SQ7GT/G

50L6GT/G



CHASSIS
B-
PAPER CAPACITORS
CURVED LINE
INDICATES OUTSIDE
FOIL.

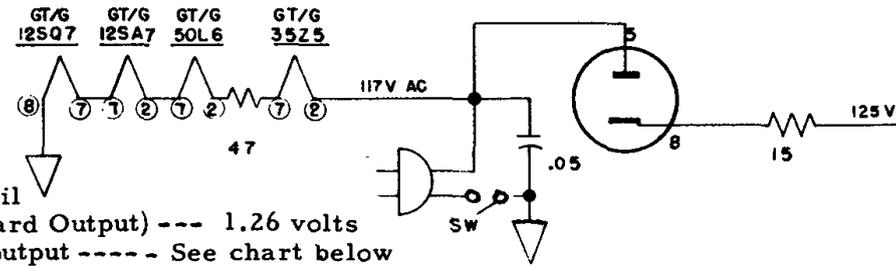
TUBE SOCKETS ARE VIEWED FROM UNDEBSIDE OF CHASSIS. VOLTAGE READINGS SHOWN AT SOCKET PRONGS ARE TO B- AND ARE TAKEN WITH NO SIGNAL, AC LINE VOLTAGE AT 117V. AC. *MEASURED WITH VACUUM TUBE VOLTMETER.

NOTE: CAPACITY COUPLING IS BUILT IN THE ANTENNA AND OSCILLATOR COILS. ON SOME EARLY PRODUCTION SETS A 14 UUF 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.

Silverstone

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