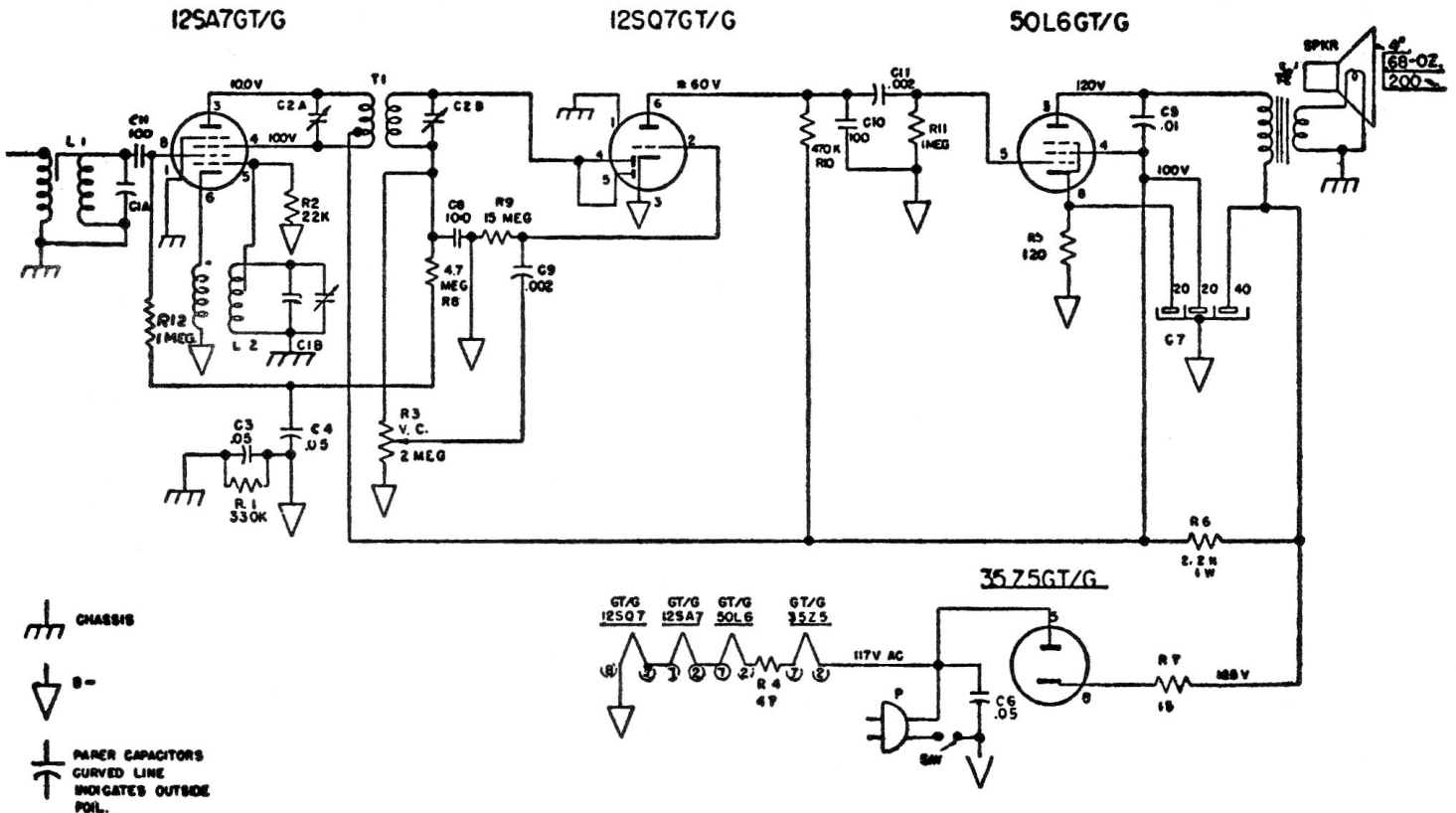


SCHEMATIC CIRCUIT DIAGRAM



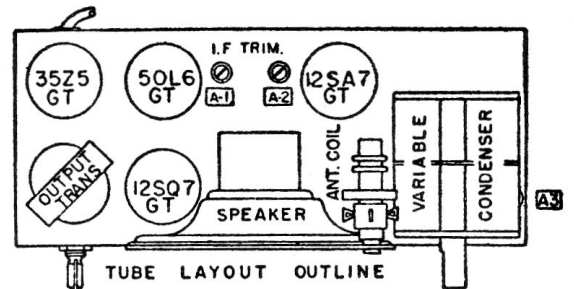
TUBE SOCKETS ARE VIEWED FROM UNDERSIDE OF CHASSIS. VOLTAGE READINGS SHOWN AT SOCKET PRONGS ARE TO B- AND ARE TAKEN WITH NO SIGNAL, AC LINE VOLTAGE AT 117V AC. *MEASURED WITH VACUUM TUBE VOLTMETER

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.

Fleetwood Serenader 53-53

Tuning range 540—1600 Kc. Intermediate frequency—455 Kc. Measurements made at 200 milliwatts output—approximately .8 volt on a rectifier type voltmeter connected across the voice coil. Dummy load for I-F .05 mfd. condenser in series with generator lead. For R-F, 50 mmfd. condenser in series with generator lead. Connect generator ground to receiver floating ground.

Balance at 1400 Kc by rocking variable condenser while adjusting oscillator trimmer for maximum output. Check sensitivity at 600 Kc. If low, adjust antenna section plates for maximum output at 600 Kc.



Approximate inputs for 200 MW output:
I-F, 3000 uv. R-F at 1400 Kc., 360 uv., at 1000 Kc, 360 uv. at 600 Kc., 500 uv.

CAUTION: Remove the electric or power cord from the wall or floor outlet before replacing tubes, removing, adjusting or cleaning the chassis, or while connecting an aerial.