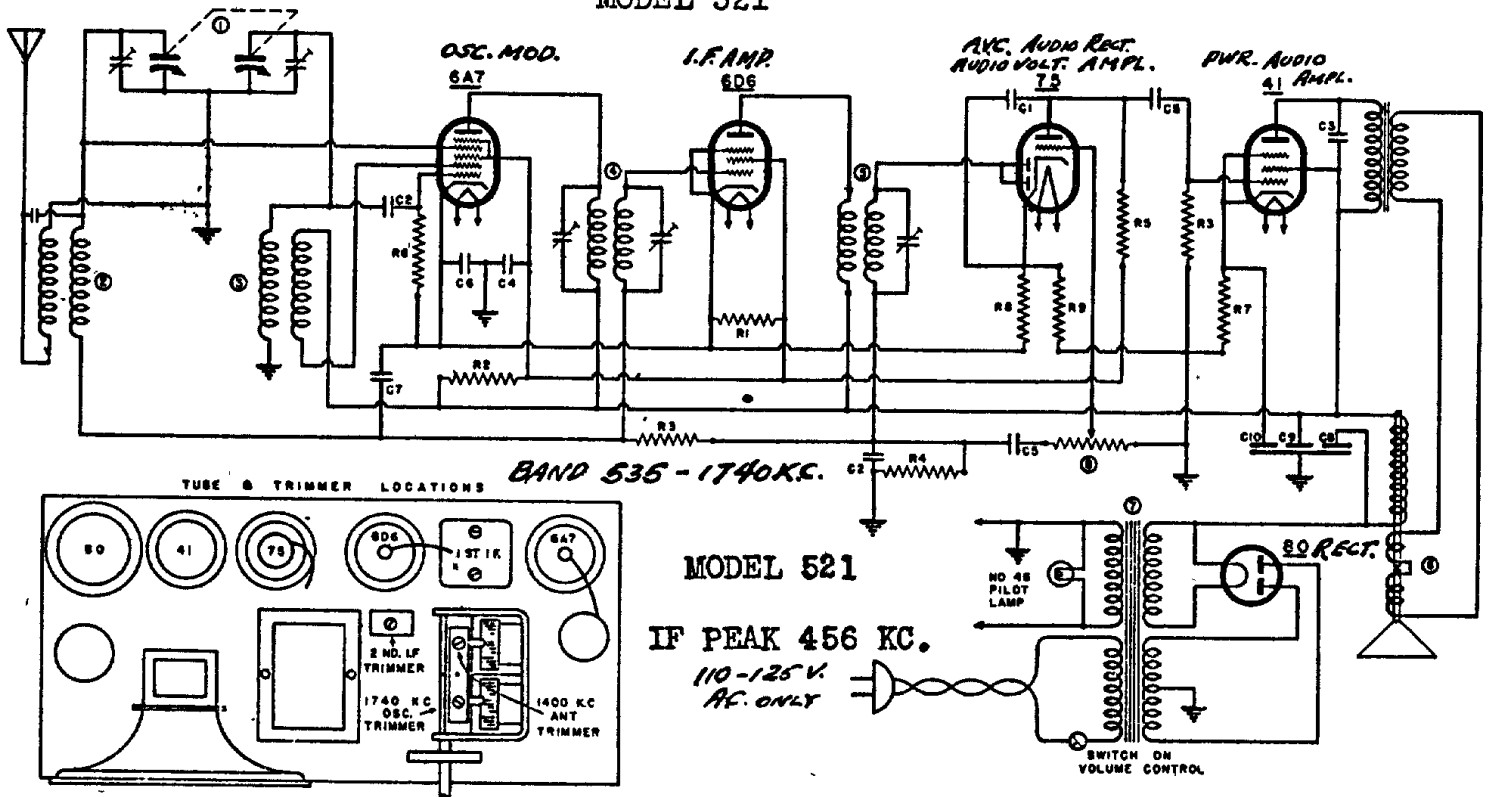


# GAMBLE-SKOGMO, INC.

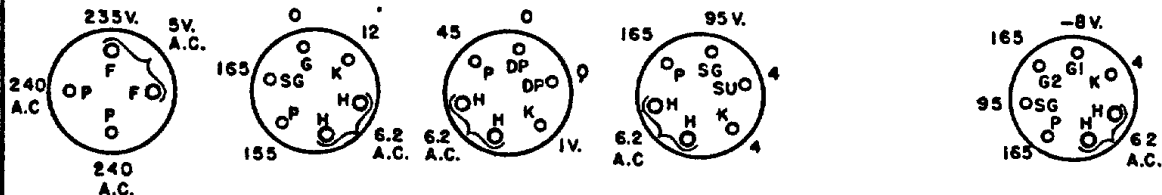
## MODEL 521



VOLTAGES MEASURED WITH 1000 OHM PER VOLT VOLTMETER.  
ALL VOLTAGES EXCEPT HEATERS MEASURED TO GROUND.

G --- GRID  
G1 --- OSCILLATOR GRID  
G2 --- OSCILLATOR PLATE  
SG --- SCREEN GRID  
SU --- SUPPRESSOR GRID  
P --- PLATE  
DP --- DIODE PLATE  
K --- CATHODE  
H --- HEATER

(BOTTOM VIEW  
OF CHASSIS)



### ALIGNMENT PROCEDURE

All alignments must be made with the volume control turned full on and with the signal input from the generator reduced to as low a value as possible while still giving a sufficient output to be easily read on the output meter.

Connect the output meter, through a .5 M.F. condenser and a resistance of such a value as to make the total meter resistance approximately 7000 ohms, to the 2 small pins of the speaker plug. The output meter remains connected during the entire alignment procedure.

Connect the signal generator to the grid cap of the 6A7 tube through a .1 M.F. condenser. Connect the ground of the generator to the ground lead of the receiver. Set the dial to about 1000 K.C., feed in a 455 K.C. signal. Adjust the trimmers on top of the first and second I.F. transformers until the maximum output is obtained. This aligns the I.F.

Turn the dial to the extreme high frequency end. Feed a 1740 K.C. signal to the receiver antenna lead through a .00025 M.F. mica condenser. Adjust the 1740 K.C. oscillator trimmer until maximum output is shown. Set the generator to 1400 K.C. and tune in this signal on the receiver. Then adjust the 1400 K.C. antenna trimmer to maximum output. This completes the alignment.

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
1	10-11 2 GANG VARIABLE CONDENSER	C1	1504 00025 MFC MICA CONDENSER	P1	G1 7 \$5.000
2	10-166 ANTENNA COIL	C2	1801 10000 10000	P2	G103 10.000
3	10-187 OSCILLATOR COIL	C3	1801 10000 10000	P3	G103 10.000
4	10-187 1ST LF TRANSFORMER	C4	1801 10000 10000	P4	G103 10.000
5	10-183 2ND LF TRANSFORMER	C5	1801 10000 10000	P5	G103 10.000
6	79-214 SPEAKER	C6	1801 10000 10000	P6	G103 10.000
7	80-104 POWER TRANSFORMER	C7	1801 10000 10000	P7	G103 10.000
8	80-104 VOLUME CONTROL WITH SWITCH	C8	1801 10000 10000	P8	G103 10.000
9	80-104 VOLUME CONTROL WITH SWITCH	C9	1801 10000 10000	P9	G103 10.000
10	80-104 VOLUME CONTROL WITH SWITCH	C10	1801 10000 10000		