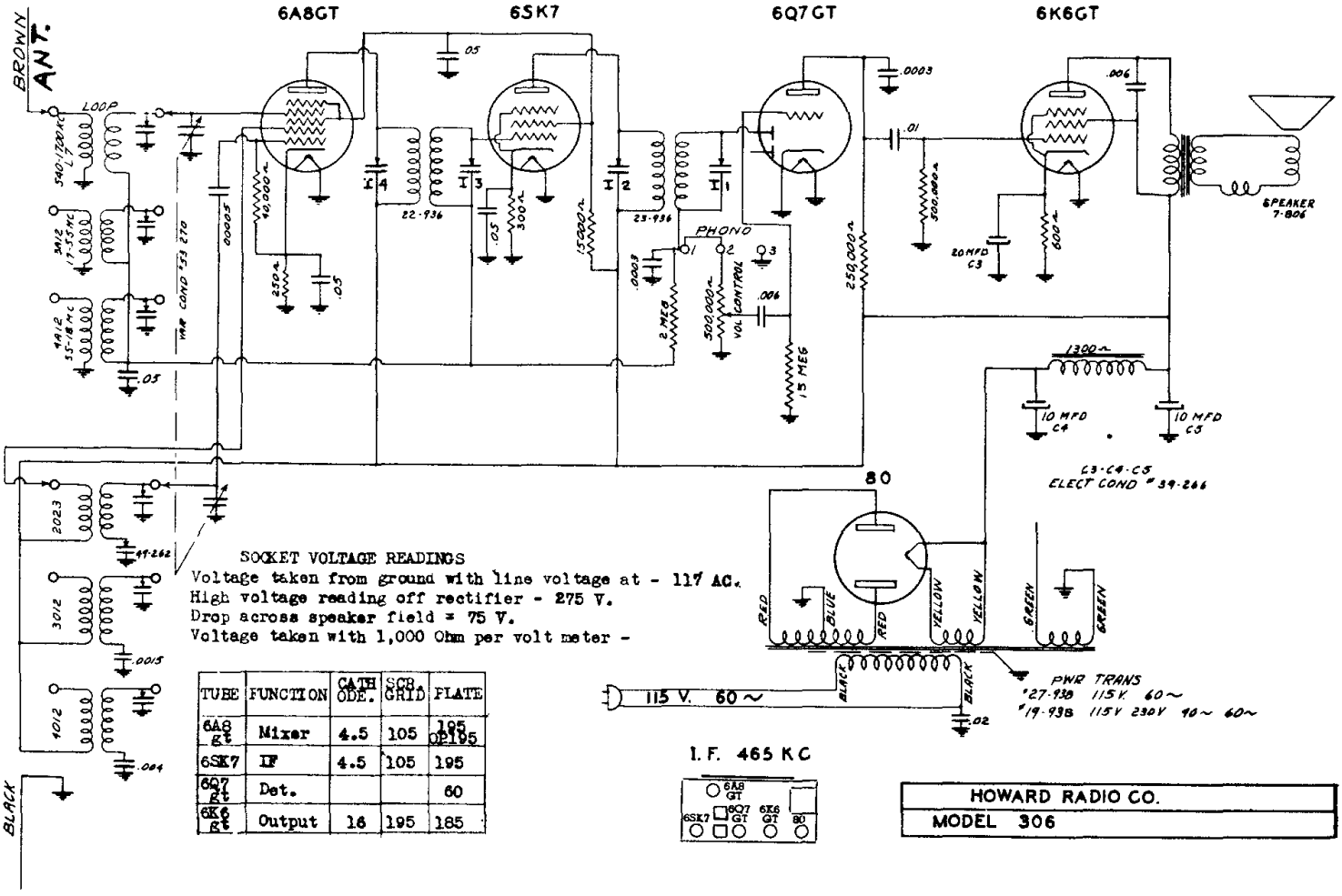


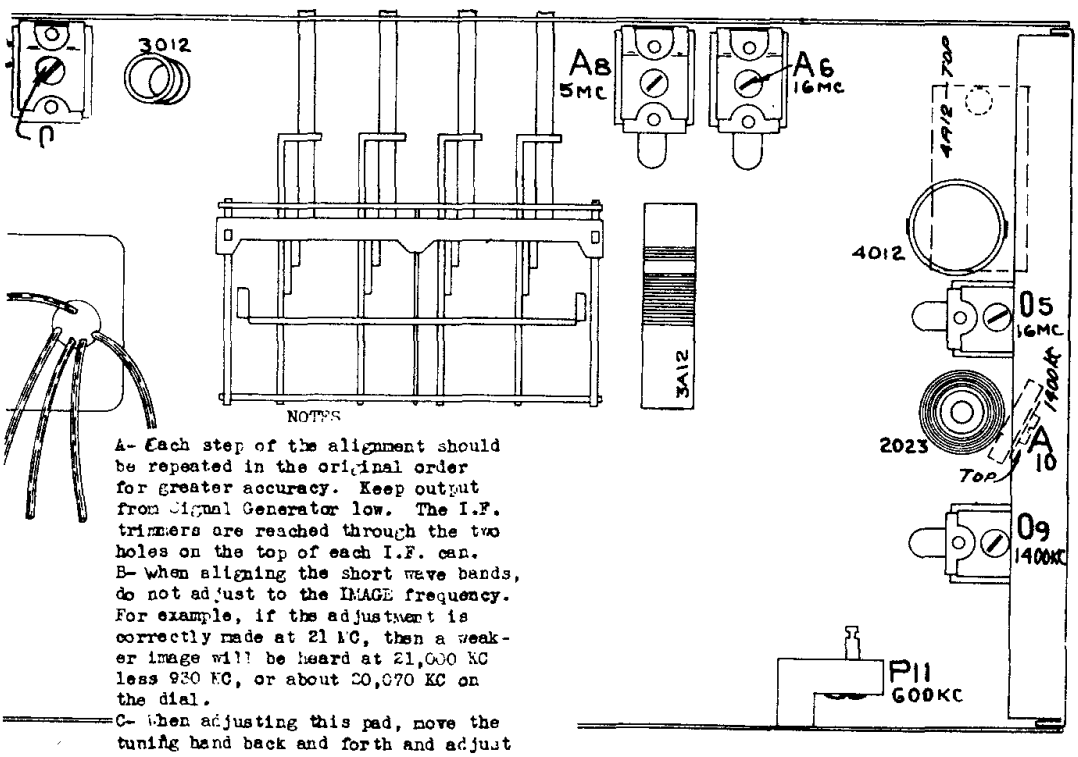
SOCKET VOLTAGE READINGS

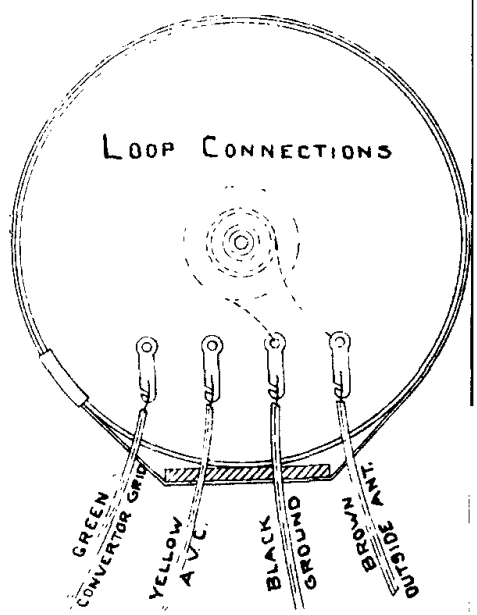
Voltage taken from ground with line voltage at - 117 AC.
High voltage reading off rectifier - 275 V.
Drop across speaker field = 75 V.
Voltage taken with 1,000 Ohm per volt meter -

TUBE	FUNCTION	CATHODE.	SCR. GRID	PLATE
6A8 gt	Mixer	4.5	105	195 or 105
6SK7	IF	4.5	105	195
6Q7 gt	Det.			60
6K6 gt	Output	16	195	185

I. F. 465 KC

HOWARD RADIO CO.
MODEL 306





NOTES

A- Each step of the alignment should be repeated in the original order for greater accuracy. Keep output from Signal Generator low. The I.F. trimmers are reached through the two holes on the top of each I.F. can.

B- When aligning the short wave bands, do not adjust to the IMAGE frequency. For example, if the adjustment is correctly made at 21 MC, then a weaker image will be heard at 21,000 KC less 930 KC, or about 20,070 KC on the dial.

C- When adjusting this pad, move the tuning hand back and forth and adjust padder until the peak of greatest intensity is obtained.

D- See that the tuning hand is set exactly on the last line above 540 when the condenser is at maximum capacity.

ALIGNMENT PROCEDURE

Wave-Band Switch Position	Position of Dial Pointer	Generator Frequency	Generator Connection	See Note	Trimmers Adjusted (In order shown)	Trimmer Function
BC	Min. Cap.	465 KC	6A8 Grid	A,E	I_1 I_2 I_3 I_4	IF
SW	16 MC	16 MC	Brown lead	B,D	O_5 A_6	Osc. Ant.
PB	5 MC	5 MC	Brown lead		O_7 A_8	Osc. Ant.
BC	1400 KC	1400 KC	Brown lead		O_9 A_{10}	Osc. Ant.
BC	600 KC	600 KC	Brown lead	C	P_{11}	Osc. Pad.