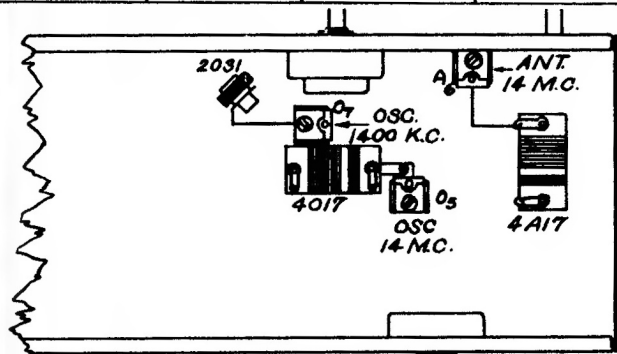


### ALIGNMENT PROCEDURE

Wave-Band Switch Position	Position of Dial Pointer	Signal Generator Frequency	Signal Generator Connection	See Note	Trimmers Adjusted (In order shown)	Trimmer Function	Check for Image at
KC	540	465	Grid of 12SA7	A	I <sub>1</sub> , I <sub>2</sub> , I <sub>3</sub> , I <sub>4</sub>	IF	
MC	14 MC	14 MC	Ant. (Brown)	B	O <sub>5</sub> , A <sub>6</sub>	Osc. Ant.	13 MC
KC	1400 KC	1400 KC	Ant. (Brown)		O <sub>7</sub>	Osc.	



### SOCKET VOLTAGE READINGS

Voltage taken from B- with line voltage at 117 V. A.C.  
 High voltage reading off rectifier = 115V.  
 Drop across speaker field = 29V.  
 Use at least a 1000 Ohm per volt meter.  
 High voltage reading off rectifier = 121V.

**Howard Radio Co.**  
**Model 802**

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 14 MC, then a weaker image will be heard at 13,070 KC, in other words 930 KC less on the dial.

The tubes are connected in series in the order as shown by the schematic diagram.

The dual section filter condenser has a common negative, but note that it does not return to ground as the can is insulated from the chassis.

TUBE	FUNCTION	CATH.	SG.	PLATE
12SA7	Mixer	*	92 4	92 3
12SK7	I.F. Amp	2.1 5	92 6	92 8
12SQ7	Det.			42 6
50L6GT	Output	6 8	92 4	82 3
35Z5GT	Rectifier	121 8		

\* Socket Terminal Number.