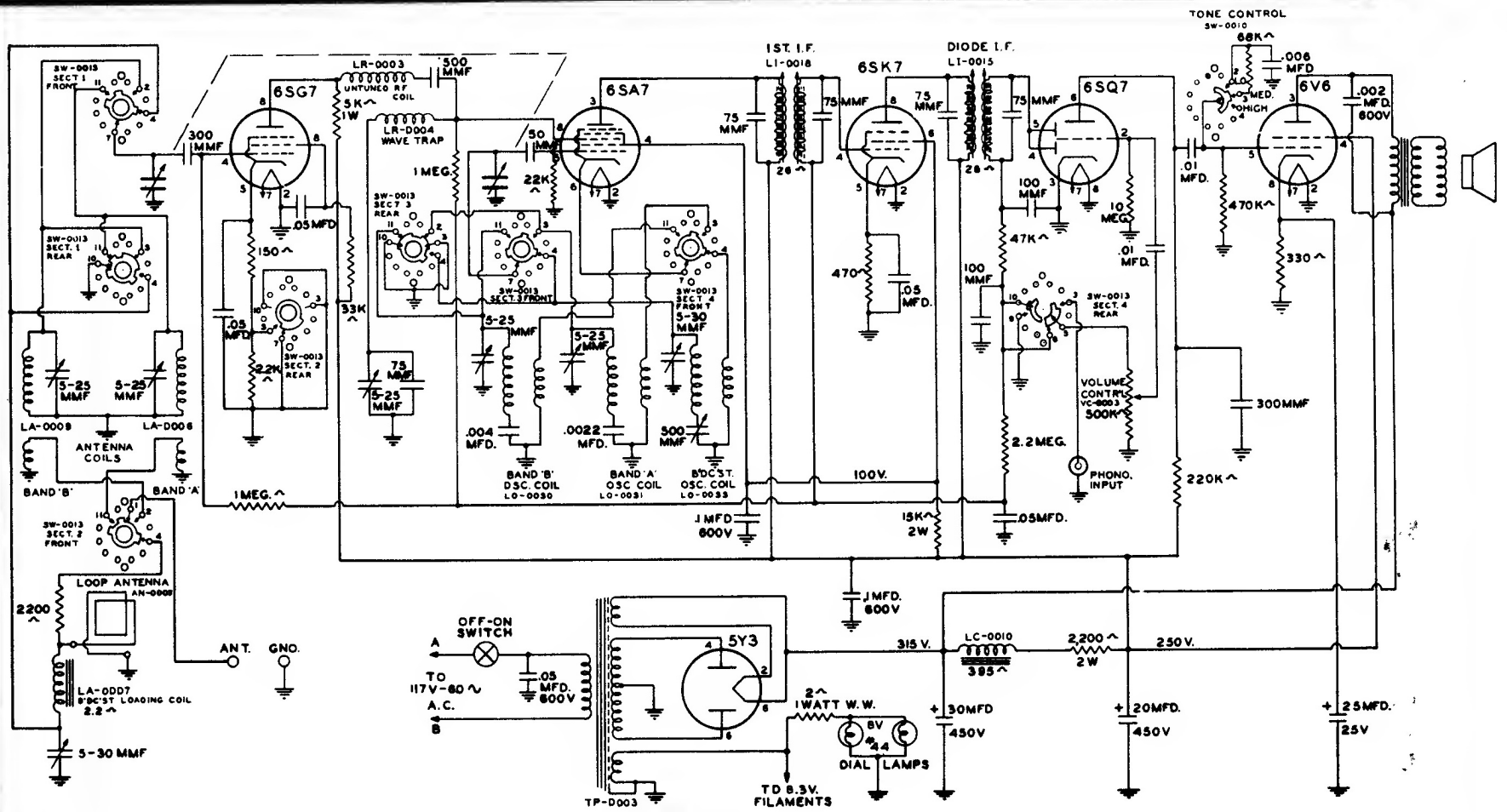
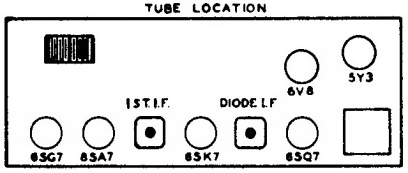
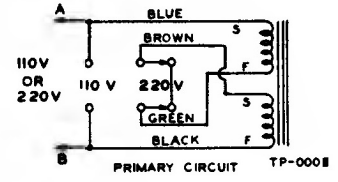


TUBE LOCATION





NOTES—

1. BAND SWITCH, SW-0013, SHOWN IN BROADCAST POSITION.
2. FRONT AND REAR SECTIONS OF SWITCH SHOWN VIEWED FROM KNOB END.
3. TONE CONTROL SWITCH, SW-0010, SHOWN VIEWED FROM KNOB END.
4. BAND SWITCH POSITIONS—
   1. PHONOGRAPH.
   2. RADIO BROADCAST BAND.
   3. RADIO SHORT WAVE BAND 'A' 2 1/2-7 MC.
   4. RADIO SHORT WAVE BAND 'B' 7-22 MC.
5. PRIMARY LEADS 'A' AND 'B' CONNECT TO 'A' AND 'B' ON PRIMARY CIRCUIT FOR UNIVERSAL 110-220 VOLT OPERATION.

HOWARD RADIO COMPANY

Model 906-S

Howard Radio Company. Model 906-S.

Voltage reading taken from ground with voltage at line set at 117 volts A.C. These readings were taken with a vacuum tube voltmeter of the VoltOhmyst Junior type.

TUBE	FUNCTION	CATH.	*	SC.	*	PLATE	*	B	*
6SG7	R.F	7.2	5 3	200.	6	210.	8		
6SA7	Convertor			-10. 85.	5 4	225.	3		
6SK7	1st. I.F.	3.	5	90.	6	230.	8		
6SQ7	Det. & 1st. Audio.					110.	6		
6V6	Output.	13.	8	230.	4	280.	3		
5Y3	Rectifier							290.	8
Voltage drop across filter choke 10 volts									

* Socket Terminal Number.

	DUMMY ANTENNA	SIG. GEN. CONNECTION	GEN. FREQ.	BAND POSITION	DIAL SETTING	ORDER OF TRIMMER ADJUSTMENTS	TRIMMER FUNCTION	SEE NOTE
1	.05 Mfd.	Grid of 6SA7	455 KC	BC	Off Station	①②③④	I.F. Peak to Maximum	A
2	.05 Mfd.	Ant.	455 KC	BC	Off Station	⑤	Null	B
3	400 Ohm. Line	"A" Ant. Post	600 KC	BC	600 KC	⑦	Maximum	C
4	400 Ohm. Line	"A" Ant. Post	1400 KC	BC	1400 KC	⑥⑧	BC Osc. and R.F.	D
5	Repeat operations 3 and 4							E
6	400 Ohm. Line	"A" Ant. Post	6 MC	A	6 MC	⑨⑩	Maximum	F
7	400 Ohm. Line	"A" Ant. Post	20 MC	B	20 MC	⑪⑫	Maximum	G
8	Accurately set signal generator at one MC and check through both short wave dials, harmonics to be one MC apart.							

NOTE A. The I.F. adjustments are iron core slug tuning and it should not be necessary to move them very far in either direction from the factory setting, since they are of a very stable nature.

NOTE B. Important. Connect the signal generator to the antenna screw on the outside of the radio chassis and keep the metal of the chassis between the generator lead and the wave trap coil. Use your signal generator to the desired turned up powerful position and adjust the wave trap trimmer to null.

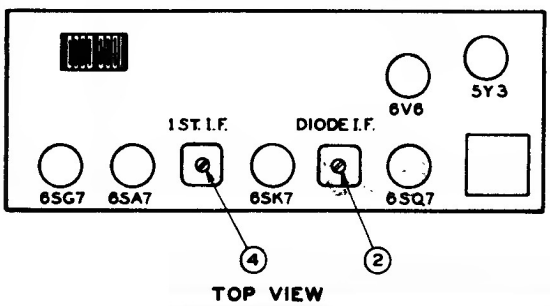
NOTE C. Padding condenser adjustment for calibration at low frequency end of broadcast band.

NOTE D. Set dial at 1400 KC. Adjust oscillator and R.F. trimmer for maximum sensitivity.

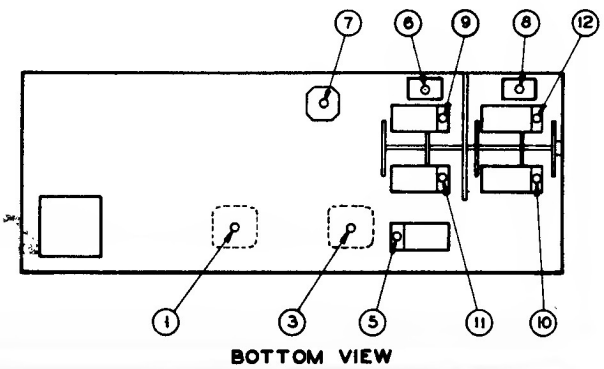
NOTE E. Check broadcast stations across dial for accuracy.

NOTE F. True Signal at 6. Image at 5.

NOTE G. True signal at 20. Image at 19.



TOP VIEW



BOTTOM VIEW