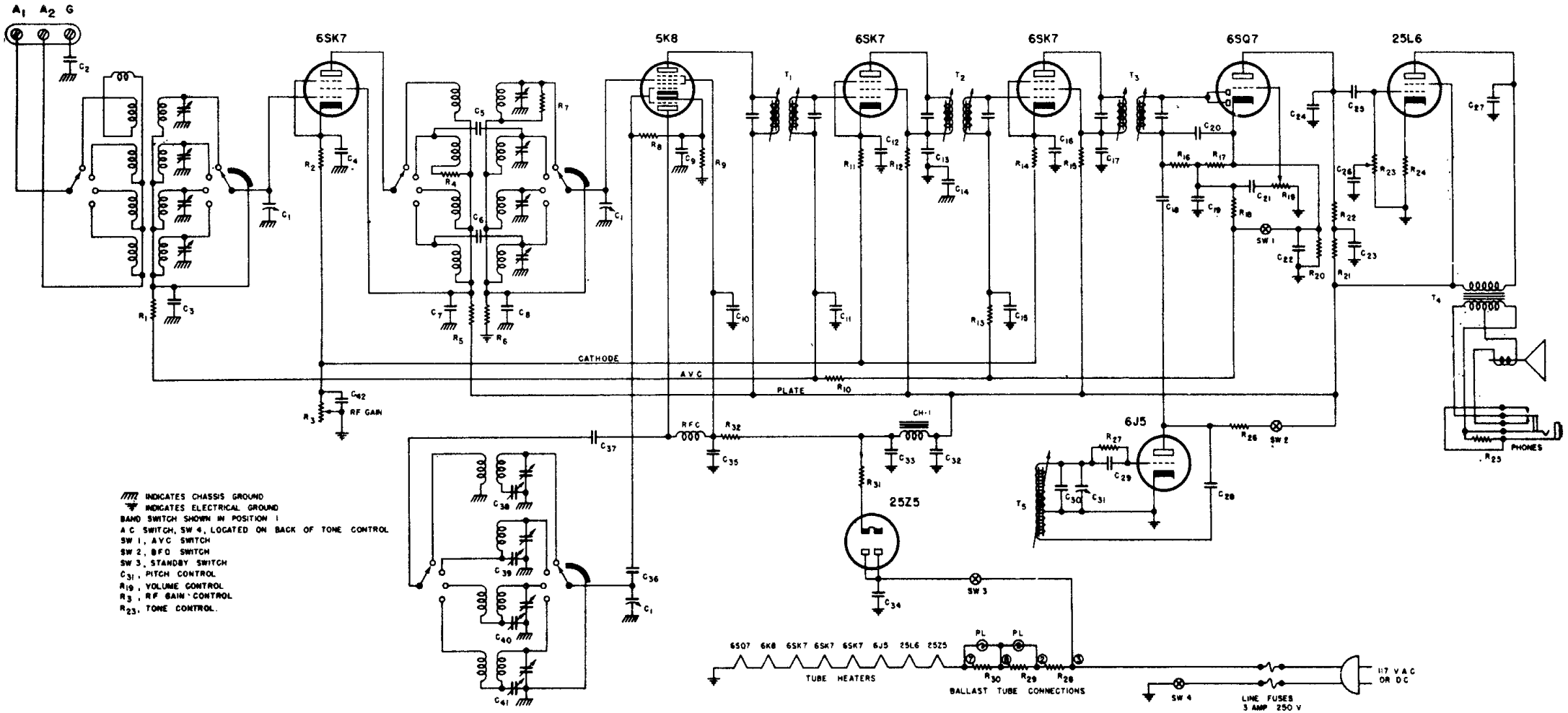

MODEL S-22-R

Equipment needed for aligning:

1 - An all wave signal generator which will provide an accurately calibrated signal at the test frequencies indicated.
2 - Output indicating meter connected to a headphone plug, and inserted in the headphone jack.
3 - Non-metallic screw driver.
4 - Dummy antenna of .002 mfd. condenser and 400 ohm resistor.

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SETTING OF CONTROLS PRIOR TO ALIGNMENT - IF AND RF.

1 - Tone control at maximum high frequency position.
2 - AVC switch OFF.
3 - BFO switch OFF.
4 - RF Gain at maximum.
5 - AF gain at maximum.

NO.	VALUE	VOLTAGE OR PURPOSE
C_1	Tuning Condenser	
C_2	.01 mfd	400 V.
C_3	.05 mfd	400 V.
C_4	.05 mfd	400 V.
C_5	5 mmf	
C_6	5 mmf	
C_7	.25 mfd	400 V.
C_8	.05 mfd	400 V.
C_9	.05 mfd	400 V.
C_{10}	.1 mfd	400 V
C_{11}	.02 mfd	400 V.
C_{12}	.02 mfd	400 V.
C_{13}	.01 mfd	400 V.
C_{14}	.25 mfd	400 V.
C_{15}	.02 mfd	400 V.
C_{16}	.02 mfd	400 V.
C_{17}	.01 mfd	400 V.
C_{18}	10 mmf	
C_{19}	100 mmf	
C_{20}	100 mmf	
C_{21}	.02 mfd	400 V.
C_{22}	10 mf	25 V.
C_{23}	.05 mfd	400 V.
C_{24}	250 mfd	
C_{25}	.05 mfd	400 V.

NO.	VALUE	VOLTAGE OR PURPOSE
C_{26}	.01 mfd	400 V.
C_{27}	.005 mfd	600 V.
C_{28}	.01 mfd	400 V.
C_{29}	250 mmfd	
C_{30}	200 mmfd	
C_{31}	5 mmf	BFO Pitch Con.
C_{32}	40 mfd	150 V.
C_{33}	40 mfd	150 V.
C_{34}	.05 mfd	400 V.
C_{35}	30 mfd	150 V.
C_{36}	100 mmfd	
C_{37}	2000 mmfd	
C_{38}	32 mmfd	Band 1 Pad
C_{39}	110 mmfd	Band 2 Pad
C_{40}	480 mfd	Band 3 Pad
C_{41}	1300 mfd	Band 4 Pad
C_{42}	.1 mfd	200 V.

NO.	VALUE IN OHMS
R_1	100,000
R_2	300
R_3	25,000
R_4	400
R_5	1,000
R_6	100,000
R_7	100,000
R_8	50,000
R_9	400
R_{10}	100,000
R_{11}	500
R_{12}	1,000
R_{13}	100,000
R_{14}	400
R_{15}	1,000
R_{16}	100,000
R_{17}	250,000
R_{18}	1 Meg.
R_{19}	500,000
R_{20}	7,500
R_{21}	100,000
R_{22}	250,000
R_{23}	500,000
R_{24}	140
R_{25}	100
R_{26}	5,000
R_{27}	250,000
R_{28}	Plug-in Ballast
R_{29}	Plug-in Ballast
R_{30}	Plug-in Ballast
R_{31}	25
R_{32}	4,000

SKYRIDER MARINE – MODEL S-22 R

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onnect hot Lead of Signal Generator to A_1 through dummy Antenna shown in Table. eave Jumper connected between A_2 and G. Ground of Generator to Chassis.

ND	REC. DIAL SETTING	SIG. GEN. FREQ.	DUMMY ANTENNA	HIGH FREQUENCY END ADJUST OSC WITH	HIGH FREQUENCY END ADJUST TRIMMERS WITH	LOW FRE UENCY END ADJUST OSCILLATOR WITH
	125 Kc	125 Kc	.002 mfd	--------	--------	P_1
	350 Kc	350 Kc	.002 mfd	C_C	C_A-C_B	--------
	450 Kc	450 Kc	.002 mfd	--------	--------	P_2
	1400 Kc	1400 Kc	.002 mfd	C_F	C_E-C_D	--------
	2 Mc	2 Mc	400 Ohm	--------	--------	P_3
	4.5 Mc	4.5 Mc	400 Ohm	C_J	C_G-C_H	--------
	7 Mc	7 Mc	400 Ohm	--------	--------	P_4
		15 Mc	400 Ohm	C_M	C_L-C_K	--------