



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.

the hallicrafters co.

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	NO.	VALUE	VOLTAGE OR PURPOSE	NO.	VALUE IN OHMS
C ₁	Tuning Condenser		C ₂₆	.01 mfd	400 V.	R ₇	100,000
C ₂	.01 mfd	400 V.	C ₂₇	.005 mfd	600 V.	R ₈	50,000
C ₃	.05 mfd	400 V.	C ₂₈	.01 mfd	400 V.	R ₉	400
C ₄	.05 mfd	400 V.	C ₂₉	250 mmfd		R ₁₀	100,000
C ₅	5 mmf		C ₃₀	200 mmfd		R ₁₁	500
C ₆	5 mmf		C ₃₁	5 mmf	BFO Pitch Con.	R ₁₂	1,000
C ₇	.25 mfd	400 V.	C ₃₂	40 mfd	150 V.	R ₁₃	100,000
C ₈	.05 mfd	400 V.	C ₃₃	40 mfd	150 V.	R ₁₄	400
C ₉	.05 mfd	400 V.	C ₃₄	.05 mfd	400 V.	R ₁₅	1,000
C ₁₀	.1 mfd	400 V.	C ₃₅	30 mfd	150 V.	R ₁₆	100,000
C ₁₁	.02 mfd	400 V.	C ₃₆	100 mmfd		R ₁₇	250,000
C ₁₂	.02 mfd	400 V.	C ₃₇	2000 mmfd		R ₁₈	1 Meg.
C ₁₃	.01 mfd	400 V.	C ₃₈	32 mmfd	Band 1 Pad	R ₁₉	500,000
C ₁₄	.25 mfd	400 V.	C ₃₉	110 mmfd	Band 2 Pad	R ₂₀	7,500
C ₁₅	.02 mfd	400 V.	C ₄₀	480 mfd	Band 3 Pad	R ₂₁	100,000
C ₁₆	.02 mfd	400 V.	C ₄₁	1300 mfd	Band 4 Pad	R ₂₂	250,000
C ₁₇	.01 mfd	400 V.	C ₄₂	.1 mfd	200 V.	R ₂₃	500,000
C ₁₈	10 mmf					R ₂₄	140
C ₁₉	100 mmf					R ₂₅	100
C ₂₀	100 mmf					R ₂₆	5,000
C ₂₁	.02 mfd	400 V.				R ₂₇	250,000
C ₂₂	10 mf	25 V.				R ₂₈	Plug-in Ballast
C ₂₃	.05 mfd	400 V.				R ₂₉	Plug-in Ballast
C ₂₄	250 mfd					R ₃₀	Plug-in Ballast
C ₂₅	.05 mfd	400 V.				R ₃₁	25
						R ₃₂	4,000

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

SKYRIDER MARNE - MODEL S-22R

Connect hot Lead of Signal Generator to A₁ through dummy Antenna shown in Table. Leave Jumper connected between A₂ and G. Ground of Generator to Chassis.

BAND	REC. DIAL SETTING	SIG. GEN. FREQ.	DUMMY ANTENNA	HIGH FREQUENCY END		LOW FREQUENCY END
				ADJUST OSC WITH	ADJUST TRIMMERS WITH	ADJUST OSCILLATOR WITH
1	125 Kc	125 Kc	.002 mfd	-----	-----	P ₁
	350 Kc	350 Kc	.002 mfd	C _C	C _{A-C_B}	-----
2	450 Kc	450 Kc	.002 mfd	-----	-----	P ₂
	1400 Kc	1400 Kc	.002 mfd	C _F	C _{E-C_D}	-----
3	2 Mc	2 Mc	400 Ohm	-----	-----	P ₃
	4.5 Mc	4.5 Mc	400 Ohm	C _J	C _{G-C_H}	-----
4	7 Mc	7 Mc	400 Ohm	-----	-----	P ₄
		15 Mc	400 Ohm	C _M	C _{L-C_K}	-----