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RESISTORS				CONDENSERS									
NO.	OHMS	TOLERANCE	NO.	OHMS	TOLERANCE	NO.	CAPACITY	VOLTAGE	TYPE	NO.	CAPACITY	VOLTAGE	TYPE
1	30	1/3	18	1,000,000	1/3	1	.440 mfd	Per Section		21	.005 mfd	800	Paper
2	200	"	19	50,000	"	2	.4	"		22	.01	440	"
3	100,000	"	20	100	"	3	.25	"		23	.02	440	"
4	10,000	R.F. Gain Control	21	250,000	"	4	.05 mfd	200	Paper	24	.02	200	"
5	500	Variable	22	100,000	"	5	.25 mfd	"	Ceramicon	25	.01	400	"
6	400	1/3	23	250,000	"	6	.10	"	"	26	100. mfd	400	Mica
7	50,000	"	24	250,000	"	7	.002 mfd	"	"	27	.01 mfd	400	Paper
8	200	"	25	500	"	8	.05	200	Paper	28	30.	350	Electrolytic
9	15,000	1	26	500,000	1/3	9	.05	440	"	29	10.	400	Electrolytic
10	30,002	1/3	27	5,000	1	10	.25	mfd	Crystal Phasing	30	.1	400	Paper
11	2,000,000	1/3	28	500,000	"	11	.02	"	200	31	.05	200	"
12	30,000	"	29	20,000	"	12	.05	"	"	32	10	350	Mica
13	50,000	"	30	50,000	1/3	13	.05	"	"	33	100	mfd	"
14	300	"	31	20,000	1	14	.02	"	800	34	105	"	Ceramicon
15	300	"	32	15,000	1	15	.1	"	Twisted Pair	35	2500	"	"
16	1,000	"	33	150	1/3	16	100.	"	"	36	450	"	Dual Pad
17	1,000,000	"	34	5,002	"	17	10. mfd	25	Electrolytic	37	1400	"	"
						18	50. mfd	"	"	38	.002 mfd	400	Mica
						19	.05 mfd	400	Paper	39	.0005	400	Paper
						20	10	25	Electrolytic	40	.05	200	Paper

ALIGNMENT PROCEDURE

455 KC. Intermediate-Frequency Alignment. Set band switch to #5 band. Have the controls set as follows: 1) 450 RF gain control for maximum volume. 2) Selectivity switch in "OW Sharp" position. Remove 6X25 grid cap and connect the hot side of your 455 KC generator to wire tube. Connect the ground terminal of the signal generator to the chassis of the receiver. Now feed a 455 KC signal into the receiver and set the pitch control to give a beat note of approximately 2000 cycles. Adjust all I.F. transformer trimmers for maximum gain with the exception of the secondary trimmer on transformer T1. In adjusting this trimmer it will be noted that the output reaches a maximum goes through a dip and then back to maximum gain. Wobulate the IF frequency and align to the dip between the two maximum points. A distinct change in the crystal note sounding like an apparent broadening of the crystal action will be noted when the correct adjustment has been reached. Now repeat carefully the other trimmers for maximum gain.

S. F. ALIGNMENT

Re-connect the grid cap to the 6E5 tube. Connect the hot side of the generator to the A₁ antenna terminal on the rear of the chassis. Be sure a jumper is connected to A₂ and G. Leave signal generator ground connected to the chassis of the receiver.

The location of the following trimmers and padders has been determined by referring to the top 400 bottom chassis views. All pad adjustments are for the low frequency end of each band while the trimmers are for the high frequency end.

In order to get at the RF trimmers the guarantee card can be removed by placing a knife under the small snap fasteners holding it in place. So that most satisfactory adjustment of the trimmers and padders can be made, it is advisable to "hook" the condenser gage across the signal being delivered by the generator until that particular circuit has been successfully peaked.

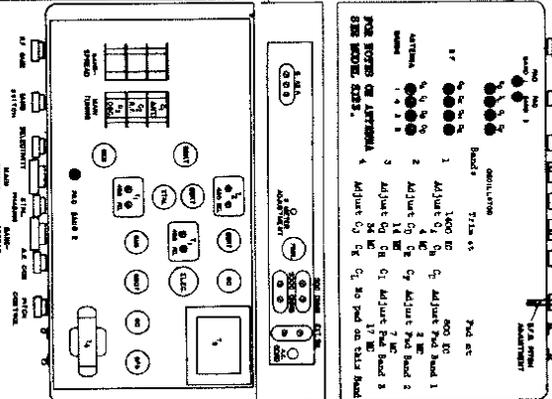
"S" METERS

When the S.F. gain control is advanced until a switch is heard to operate, a light will appear behind the translucent scale of the meter itself. Only when this light is on will the meter indicate in "S" units. With the R.F. gain control backed off from maximum the meter is still in the circuit but will not indicate carrier level accurately. When an adjustment of the meter can be used as a resonance indicator. On the rear apron of the chassis is the "S" meter adjustment screw. To set the "S" meter, disconnect the antenna and have the R.F. Gain Control on full and the selectivity switch in the "I.F. sharp A.V.O. on" position. Now, adjust this control knob until the meter reads zero. Reconnecting the antenna and tuning to a station will show its selective carrier intensity.

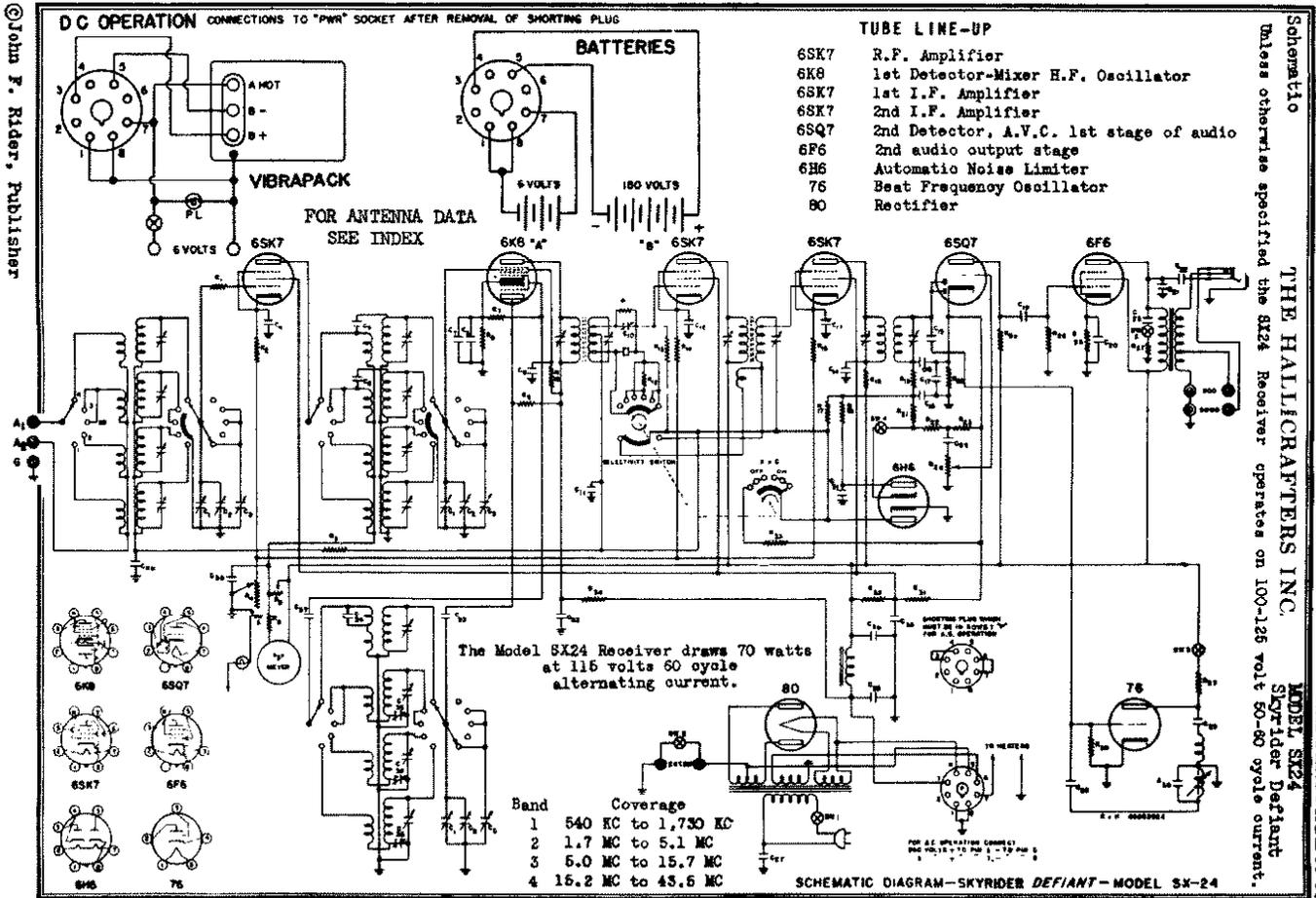
The 500 and 5000 ohm terminals are for connections to a loud speaker or other load of these impedances values. The matching 6X25 speaker should be connected to the 5000 ohm strip. When headphones are plugged into the phone jack the 5000 ohm speaker connection is automatically disconnected.

SW1 - AC Switch On AF Gain
 SW2 - Band RC Switch
 SW3 - B.F.O. or OFF

SW4 - A.M.L. on OFF
 SW5 - Hi-Low Tone Switch
 SW6 - 3-meter



Note: The accuracy of the main dial calibration will hold only if the BAND SPREAD condenser is set at optimum capacity, or the position indicated by "0" on the Band Spread dial which has been approached by turning the Band Spread knob in a clockwise direction, or to the right, as far as it will go.



Schematic
 Unless otherwise specified the SX24 Receiver operates on 100-125 volt 50-60 cycle current.
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