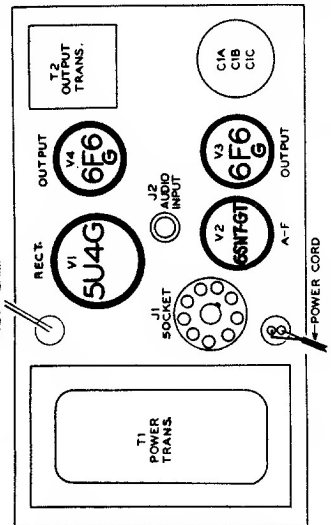


Schematic Diagram
RS-123D.



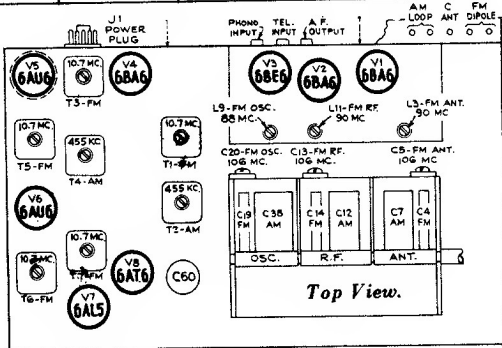
AMPLIFIER (RS123D) VOLTAGE CHART

Tube	Type	Terminal	Aux or PH	BC or SW	FM
V1	5U4G Rect.	Fil. No. 8	360	355	350
V2	6SN7 A. F. & Ph. Inv.	Plate No. 2 Plate No. 5 Cathode No. 3 Cathode No. 6	201 142 56 6.4	190 134 53 6.1	178 123 49 5.7
V3	6F6G Output	Plate No. 3 Screen No. 4 Grid No. 5	353 268 -24	351 245 -24.1	346 225 -24.5
V4	6F6G Output	Same as V3			

RADIO CHASSIS (RK-121C) VOLTAGE CHART

Tube	Type	Terminal	Aux or PH	BC	SW	FM
V1	6BA6 R.F.	Plate No. 5 Screen No. 6	260 100	247 96	245 94	225 87
V2	6BA6 Mixer	Plate No. 5 Screen No. 6 Cathode No. 7	260 96 6.1	245 87 7	240 71 1.9	222 68 1.6
V3	6BE6 Oec.	Plate No. 5 Screen Nos. 6 & 7 *Grid No. 1 †Grid No. 1	.. .. .. ..	160 160 -26 -18	157 157 -11 -10.5	130 130 -4.1 -6
V4	6BA6 1st I.F.	Plate No. 5 Screen No. 6 Cathode No. 7	240 118 1.2	232 110 1.2	225 108 1.2	208 100 1.1
V5	6AU6 2nd I.F.	Plate No. 5 Screen No. 6	.. 115	.. 112	.. 112	218 137
V6	6AU6 Driver	Plate No. 5 Screen No. 6	.. ..	.. ..	.. ..	197 80
V7	6AL5 R. Det.	.....	.....	.....	.....	.....
V8	6AT6 Det.-A.F.	Plate No. 7	110	108	108	110
V9	6BA6 M.M. Amp.	Plate No. 5 Screen No. 6 Cathode No. 7	210 70 7	200 68 6.6	200 68 6.6	184 63 6
V10	6BF6 M.M. Amp. & Rect.	Plate No. 7 Cathode No. 2	121 6.6	117 6.4	117 6.4	107 5.8
V11	6BA6 Reactor	Plate No. 5 Screen No. 6	2.6 36	2.6 35	2.6 35	3.1 45

*Tuning condenser at high frequency end.
†Tuning condenser at low frequency end.



RADIO CHASSIS CATHODE CURRENTS (MA)

Tube	Type	No.	16.9	16.5	16.5	14
V1	6BA6	No. 7	3.1	3.2	3.8	4.9
V2	6BA6	No. 7	0	14.1	14.1	15.8
V3	6BE6	No. 2	14	13.8	13.8	13.2
V4	6BA6	No. 7	1.8	1.8	1.8	3.9
V5	6AU6	No. 7	0	0	0	18.3
V6	6AU6	No. 7	0	0	0	0
V7	6AL5	.....	0	0	0	0
V8	6AT6	No. 2	.25	.25	.25	.25
V9	6BA6	No. 7	.9	.9	.9	.88
V10	6BF6	No. 2	1.3	1.3	1.3	1.2
V11	6BA6	No. 7	1.36	1.35	1.35	1.3

Voltage measured with Chanalyst or Volt-Ohm-Myet and should hold within ± 20% with rated power supply. No signal. Tuning condenser closed except as stated.

