

TROUBLESHOOTING

The information contained in Figures 5, 6, and 7, together with the voltage and resistance chart and trou-

bleshooting guide should be sufficient for most troubleshooting by the average licensed amateur radio operator.

VOLTAGE AND RESISTANCE CHART

TUBE TYPE	R = Rec. T = Trans.	Socket Pin Numbers								
		1	2	3	4	5	6	7	8	9
V1 12AU6 VFO Amp.	R Volts T Volts Ohms	-6 -6 1.2K	0 0 0	0 0 0	12.6AC 12.6AC 0.2	45 50 0	45 50 *	0 0 0		
V2 12BE6 Trans. Mixer	R Volts T Volts Ohms	-1.2 -1.0 100K	0 0 0	0 0 0	12.6AC 12.6AC .02	250 250 *	-2 135 11K	0 0 35K		
V3 6GK6 Driver	R Volts T Volts Ohms	0 0 10	-6.7 -6.7 100K	0 0 0	0 0 0	6.3AC 6.3AC 0.3	NC NC NC	255 265 *	0 225 0.2	0 0 0
V4 6LQ6 Pwr. Amp.	R Volts T Volts Ohms	NC NC NC	-75 -75 6K	0 0 1.0	12.6AC 12.6AC 0.1	6.3AC 6.3AC 0.3	-75 -75 6K	0 225 0.1	0 0 0	NC NC NC
V5 6BZ6 Rec. R. F.	R Volts T Volts Ohms	0 0 1.1M	0 0 0	6.3AC 6.3AC 0.1	0 0 0	255 255 14K	115 0 40K	0 0 0		
V6 12BE6 Rec. Mixer	R Volts T Volts Ohms	0 0 100K	0 0 0	0 0 0	12.6AC 12.6AC 0.1	250 265 11K	100 0 40K	-1.5 -1.5 45K		
V7 12BA6 1st I. F.	R Volts T Volts Ohms	-1.8 -1.8 500	0 0 0	0 0 0	12.6AC 12.6AC 0.1	210 220 15K	48 50 50K	0 0 0		
V8 12BA6 2nd I. F.	R Volts T Volts Ohms	-1.7 -1.7 110K	0 0 0	0 0 0	12.6AC 12.6AC 0.1	205 225 15K	105 0 40K	0 0 0		
V9 12AX7 Det. A. F.	R Volts T Volts Ohms	55 -3 400K	-1 -1.6 11K	0 0 300	0 0 0	0 0 0	145 0 125K	-1.25 -1.25 1M	0 0 0	6.3AC 6.3AC 0.2
V10 6AU6 AGC Amp.	R Volts T Volts Ohms	0 0 500K	2.0 1.6 5K	6.3AC 6.3AC 0.2	0 0 0	0 0 0	0 0 700K	225 175 100K		
V11 6AQ5 A. F. Output	R Volts T Volts Ohms	-9 -9 500K	0 0 0	0 0 0	6.3AC 6.3AC 0.2	237 262 10K	215 0 12K	NC NC NC		
V12 12BA6 100KC Cal.	R Volts T Volts Ohms	0 0 1M	0 0 0	12.6AC 12.6AC 0.1	225 175 100K	225 175 200K	75 55 0			
V13 6JH8 Bal. Mod.	R Volts T Volts Ohms	0 45 2K	0 45 75K	0 75 500K	6.3AC 6.3AC 0.2	0 0 0	-1.4 -1.4 35K	0 0 0	0 100 75K	0 100 75K
V14 12AX7 Mic. Amp	R Volts T Volts Ohms	50 45 1M	0 0 0	0 0 0	0 0 0	0 0 0	0 75 600K	0 0 0	0 0 10K	6.3AC 6.3AC 0.2