In case of malfunction, first check power supply fuse, filament fuse in TR-4, and #12 fuse lamp on relay assembly for continuity. The voltage and resistance charts which follow should be valuable in isolating minor problems. However, no attempt should be made to service the TR-4 unless you are thoroughly familiar with electronic circuitry and servicing technique. CARE SHOULD BE TAKEN NOT TO DISTURB THE LEAD DRESS IN THE TR-4 SINCE SEVERAL CIRCUITS ARE QUITE CRITICAL IN THIS REGARD.

Figure 11 RESISTANCE CHART

PIN	TYPE	1	2	3	4	5	6	7	8	9
V1	6EA8	15K	2.5 Meg	26K	0	Fil	14K	220	220	150K
V2	12AV6	3.3Meg	Inf.	Fil	0	150K	150K	246K		
V3	6EA8	11.5K	150K	230K	Fil	0	16K	2.2K	1K	34K
V4	6EJ7	29K	380K	29K	0	Fil	0	16.5K	13.5K	0
V5	12BA6	1Meg	1K	Fil	0	350K	125K	1K		
V6	12BY7A	27K	70K	0	0	0	Fil	13K	30K	0
V7	12BA6	2.5Meg	0	Fil	0	16K	12K	100		
V8	6JB6	13K	30K	28K	Fil	Fil	30K	13K	0	28K
V9	6JB6	13K	30K	28K	Fil	Fil	30K	13K	0	28K
V10	6JB6	13K	30K	28K	Fil	Fil	30K	13K	0	28K
V11	12BZ6	2.6Meg	170	0	Fil	14.5K	16K	0		
V12	12BA6	2.4Meg	0	Fil	0	14.5K	16K	68		
V13	12AX7	1Meg	25K	45K	0	0	2.2Meg	55K	50K	Fil
V14	13DE7	13K	2.2Meg	2.2Meg	Fil	0	2.2Meg	22Meg	0	Inf.
V15	12BA6	2Meg	0	0	Fil	14.5K	18K	40K		
V16	6GX6	2.2Meg	1K	0	Fil	235K	15K	22K		
V17	6AQ5	500K	270	0	Fil	13K	10K	500K		
V18	12AX7	350K	6.8Meg	0	0	Fil	350K	500K	3.3K	N.C.
V19	6EV7	18K	4.2Meg	0	Fil	0	113K	500K	820	1.5Meg
V20	OA2	14K	0	Inf.	0	14K	Inf.	0		