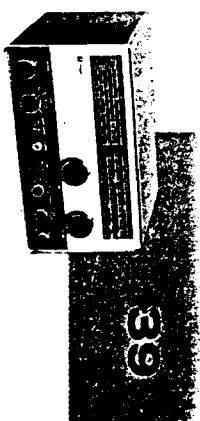


## SERVICE HINTS



The proper operating voltages are found on the circuit diagram. The proper resistances are found in the resistance chart. Never measure resistances with the receiver turned on.

TROUBLE	POSSIBLE CAUSE	SERVICE PROCEDURE
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Receiver dead	Defective tube(s)	Replace defective tubes.
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	Tubes in wrong sockets or not seated. Line cord not in AC outlet	Visual inspection
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	Fuse open	Check fuse. Look for power supply shorts.
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Poor sensitivity on all bands	Low B + voltages	Check C-36
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	Defective tubes	Check tubes
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	IF stages misaligned	Realign.
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	AVC line is grounded	Check S-2 wiring.
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Output distorts on strong AM signals when receiver is in AVC position

HUM

Open filter capacitor. Shorted tube. Short circuit which draws excessive current	C-36 defective. Test tubes. Look for wrong connections and uninsulated wires shorting.
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Bad 6AW8A	Replace tube.
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Beat frequency oscillator does not function	L-11 not properly adjusted	Readjust L-11.
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## RESISTANCE CHART

TUBE	PIN							
	1	2	3	4	5	6	7	8
V-1	22K	1Ω	0	0	12.5K*	20K*	1Ω	....
V-2	2.2 Meg	180Ω	0	0	11.5K*	30K*	0	....
V-3	2.7K	100K	220K*	0	0	180Ω	1.3 Meg	60K*
V-4	0	1 Meg	0	0	850K	N.C.	500K	....
V-5	∞	50K	320K*	0	0	150Ω	470K	0*
V-6	80Ω	N.C.	0	0	N.C.	80Ω	10K*	....

All measurements made with reference to chassis ground unless otherwise specified.  
\*Measured from terminal 2 of C-36.

Set controls as follows for resistance measurements:

Band switch to A—BFO OFF—Volume open—AVC—Noise limiter OFF