



RESISTANCE CHART

TUBE	PIN								
	1	2	3	4	5	6	7	8	9
V-1	22K	0	0	0	2.7K*	10K*	0		
V-2	1.7 Meg	180Ω	0	0	1.8K*	22K*	0		
V-3	2.7K	100K	220K*	0	0	180Ω	1.7 Meg	47K*	1.3K*
V-4	0	2.2 Meg	0	0	200K	N.C.	620K		
V-5	∞	4.7K	320K*	0	0	150Ω	470K	10K*	600Ω*
V-6	145Ω	N.C.	0	0	N.C.	145Ω	330Ω*		

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

SPECIFICATIONS

TUNING RANGES

BAND A .53mc to 1.9mc
 BAND B 1.8mc to 6.3mc
 BAND C 6mc to 14.5mc
 BAND D 11.5mc to 33mc
 BAND E 47mc to 54mc

ANTENNA INPUT IMPEDANCE

52Ω

AUDIO OUTPUT IMPEDANCE

3.2Ω

MAXIMUM AUDIO OUTPUT

1 watt

INTERMEDIATE FREQUENCY

1650kc

IMAGE REJECTION

From 42 db at 80M to 14 db at 6M

SENSITIVITY

80M-4 μ v; 40M-6 μ v; 20M-8 μ v;
 15M-7 μ v; 10M-6 μ v; 6M-10 μ v.

TUBE COMPLEMENT

6BE6 (converter and oscillator)
 6BZ6 (1st IF amplifier)
 6AW8 (2nd IF amplifier)
 6AL5 (detector and noise limiter)
 6AW8 (audio output and BFO)
 EZ90 (rectifier)

POWER CONSUMPTION

60 watts, 117v, 60 cycle

DIMENSIONS

11" deep, 14 $\frac{1}{4}$ " wide, 8 $\frac{5}{8}$ " high.

NET WEIGHT

19 lbs.

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

Receiver dead	Defective tube (s)	Replace defective tubes.
Poor sensitivity on all bands	Tubes in wrong sockets or not seated. Line cord not in AC outlet	Visual inspection
	Fuse open	Check fuse. Look for power supply shorts.
	Low B+ voltages	Check C-36
	Defective tubes	Check tubes
	IF stages misaligned	Realign.
Output distorts on strong AM signals when receiver is in AVC position	AVC line is grounded	Check S-2 wiring.
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.
Beat frequency oscillator does not function	Bad 6AW8A	Replace tube.
	L-11 not properly adjusted	Readjust L-11.