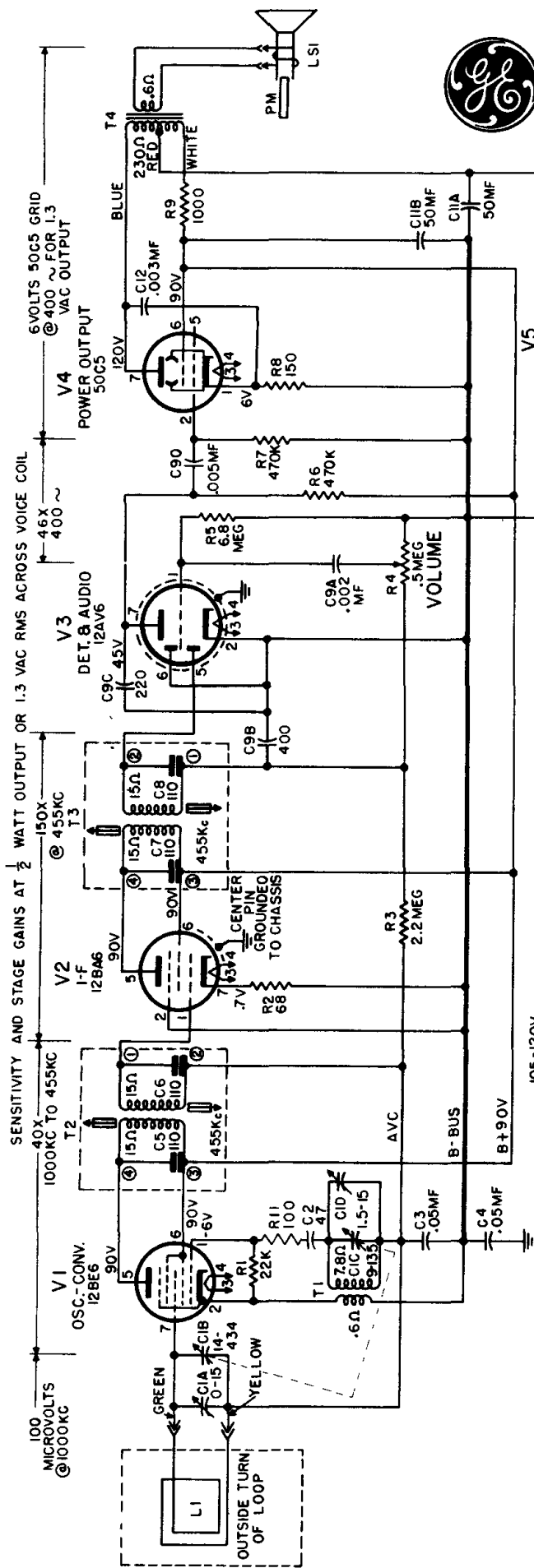
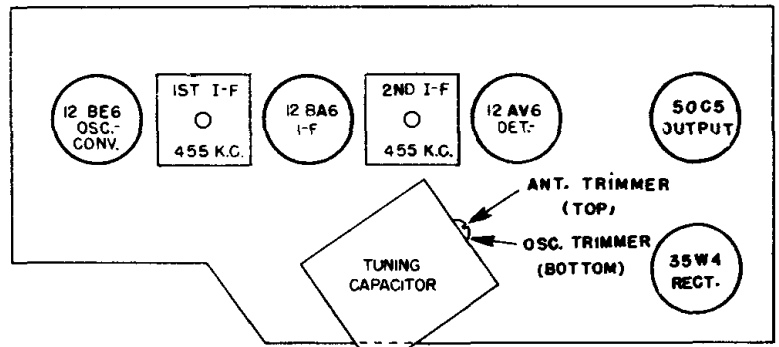


GENERAL ELECTRIC COMPANY

MODELS 514, 542 AND 543



COMPONENT REPLACEMENT—When servicing mechanized chassis, time and effort otherwise spent to remove the components may be spared. A neater pin connections and free the components may be spared. A neater job can be done without the risk of damage to the tube sockets by using the following method in wiring a replacement part. Clip the defective unit out, leaving enough of its leads attached to the tube socket so an eye loop may be formed in the leads. Each lead of the new component may then be passed through the proper loop, pruned to length, crimped and soldered.



NOTE 1. CAPACITORS: VALUES ARE IN MMF UNLESS OTHERWISE NOTED.

2. RESISTORS: VALUES ARE OHMS, K=1000, MEG=1,000,000.

3. SOCKET CONNECTIONS: PIN #8 ON EACH SOCKET IS A DUMMY PIN USED FOR A SPARE TERMINAL. A SMALL HOLE IN THE TUBE SOCKET BETWEEN PINS #1 & 8 IS USED TO KEY THESE PINS.

4. ALL D.C. VOLTAGES MEASURED AT 17 VOLTS LINE ON A 20,000 OHMS PER VOLT METER. ALL VOLTAGES ARE D-C UNLESS OTHERWISE NOTED.

ALIGNMENT CHART

Step	Connect Test Oscillator to	Test Osc. Setting	Dial Drum Setting	Adjust for Maximum Output
1	12BA6 grid (1) in series with 0.05 mf. cap.	455 kc		Cores of 2nd I-F transformer T3
2	12BE6 grid (7) in series with 0.05 mf. cap	1620 kc	Minimum capacity	Cores of 1st I-F transformer, T2
3	Inductively coupled to Radio loop	1500 kc		C1D (oscillator)
4			Tune for max.	C1A (antenna)

