

Wire Condenser capacity shown in μ fd's.

Voltage readings between points shown & chassis (ground) unless otherwise indicated.

Voice coil D.C. resistance 3.0 ohms.

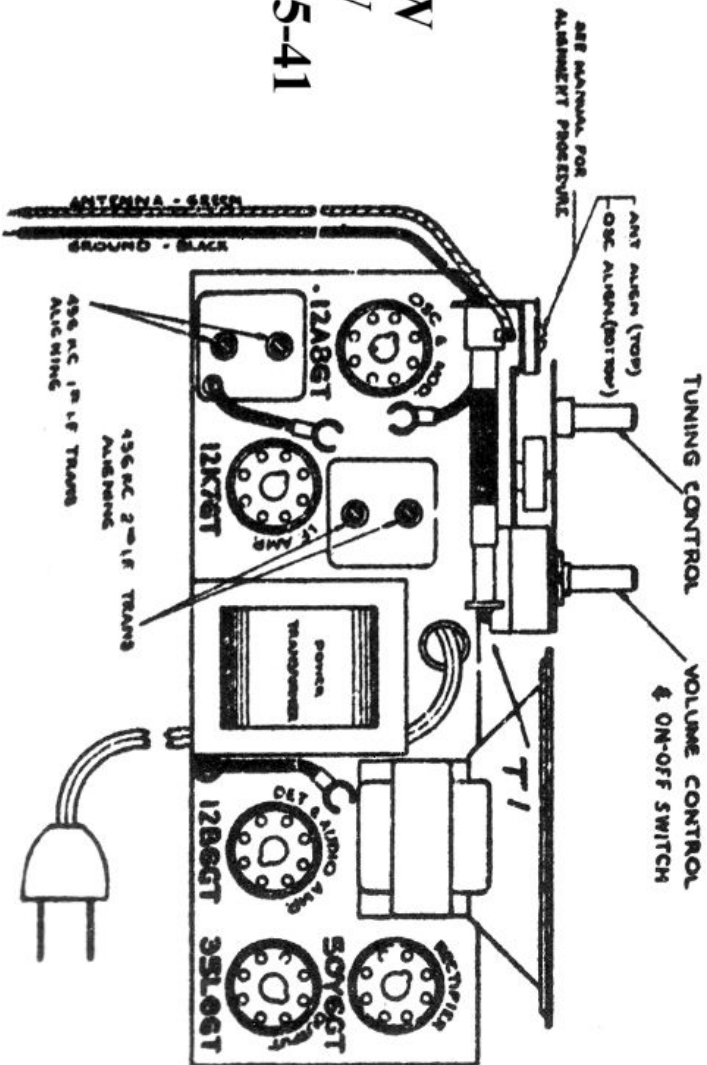
I.F. Frequency 456 K.C.

Line drain 115 V. 25 cvc- 40 Watts.

Line drain 115 V. 60 avo. 40 Watts.

Rogers 15-50M, 15-50M1, 15-50W
 Majestic 4150M, 4150M1, 4150W
 De Forest M05-41, 1M05-41, W05-41
 (Chassis 10RA516, 10RA517, 10MA516, 10MA517, 10DA516, 10DA517)

**Rogers 15-50M, 15-50M1, 15-50W
Majestic 4150M, 4150M1, 4150W
De Forest M05-41, IM05-41, W05-41
(Chassis 10RA516, 10RA517)**



Operation	Connect Generator	Set Generator Tuning	Set Receiver Tuning	Dummy Antenna	Volume Control	Adjust
1	To Grid Cap of 12A8MT Tube	456 kc/s.	700-800 kc/s.	.1 mfd.	Max.	C3, C4, C5, C6
2	To Antenna	1500 kc/s.	1500 kc/s.	.0002 mfd.	Max.	C2
3	To Antenna	1500 kc/s.	1500 kc/s.	.0002 mfd.	Max.	C1
4	To Antenna	900 kc/s.	900 kc/s.	.0002 mfd.	Max.	T1
5	To Antenna	1500 kc/s.	1500 kc/s.	.0002 mfd.	Max.	C1, To check alignment of antenna circuit.

Rotate the tuning control until the antenna tuning core is inserted in the antenna coil with the end of the core even with the coil form. The dial pointer should then be adjusted to read 550 kc/s. When this adjustment is completed, reset the pointer to 1500 kc/s. and adjust the oscillator aligning condenser C2 (lower). (Operation No. 2.) Make sure that the correct oscillator peak is obtained. This is the peak which occurs at minimum oscillator padder capacity. Check dial calibration, resetting the pointer if necessary. If the pointer is moved, operation No. 2 will have to be repeated. Next adjust the antenna padding condenser C1 (upper) for maximum signal strength at 1500 kc/s.

Tune the signal generator to receiver on 900 kc/s. and adjust the antenna tuning core for maximum sensitivity. To do this it will first be necessary to loosen the locking nut on the core adjusting screw. After adjustment, this nut should be tightened.

Check the sensitivity of the receiver at the three adjustment points and, if not satisfactory, repeat the operations previously outlined. Always use an output meter or other visual indicator when making alignment. Use only sufficient output to give a readable value on the output indicator.