

REGENTONE**Models A500, C500, ARG500**

General Description : Nine-valve (including rectifier), four-waveband superheterodyne table (A500), console (C500) and auto-radiogramophone (ARG500) receivers. The circuit is basically similar to the 478-range with the addition of a tuned R.F. amplifier on all wavebands. Released April 1948.

Power Supplies : A.C. mains, 100-120 and 200-250 volts, 50-100 c/s. Consumption 80 watts.

Wavebands : See A478.

Intermediate Frequency : 465 kc/s.

Valves : (V1) EF39; (V2) ECH35; (V3) EF39; (V4) EBC33; (V5) EM34; (V6) EBC33; (V7 and V8) EL32s (A500-C500), EL33s (ARG500); (V9) 5Z4.

Dial Lamps : Three 6.3 volts, 0.3 amp.

Audio Output : 6 watts.

Ext. Loudspeaker : Impedance 2.5 ohms.

Gram. P.U. : High-impedance or crystal types.

Alignment Procedure : For general notes see Model A478.

I.F. : As for A478, with the exception that the signal must be injected to the control grid of V2.

R.F. : Procedure is similar to that described for the A478 with the addition of the adjustment of the trimmer on the R.F. amplifier input circuit. For convenience alignment points and adjustments are listed below :

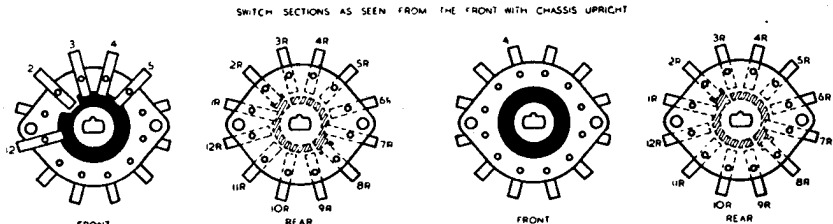
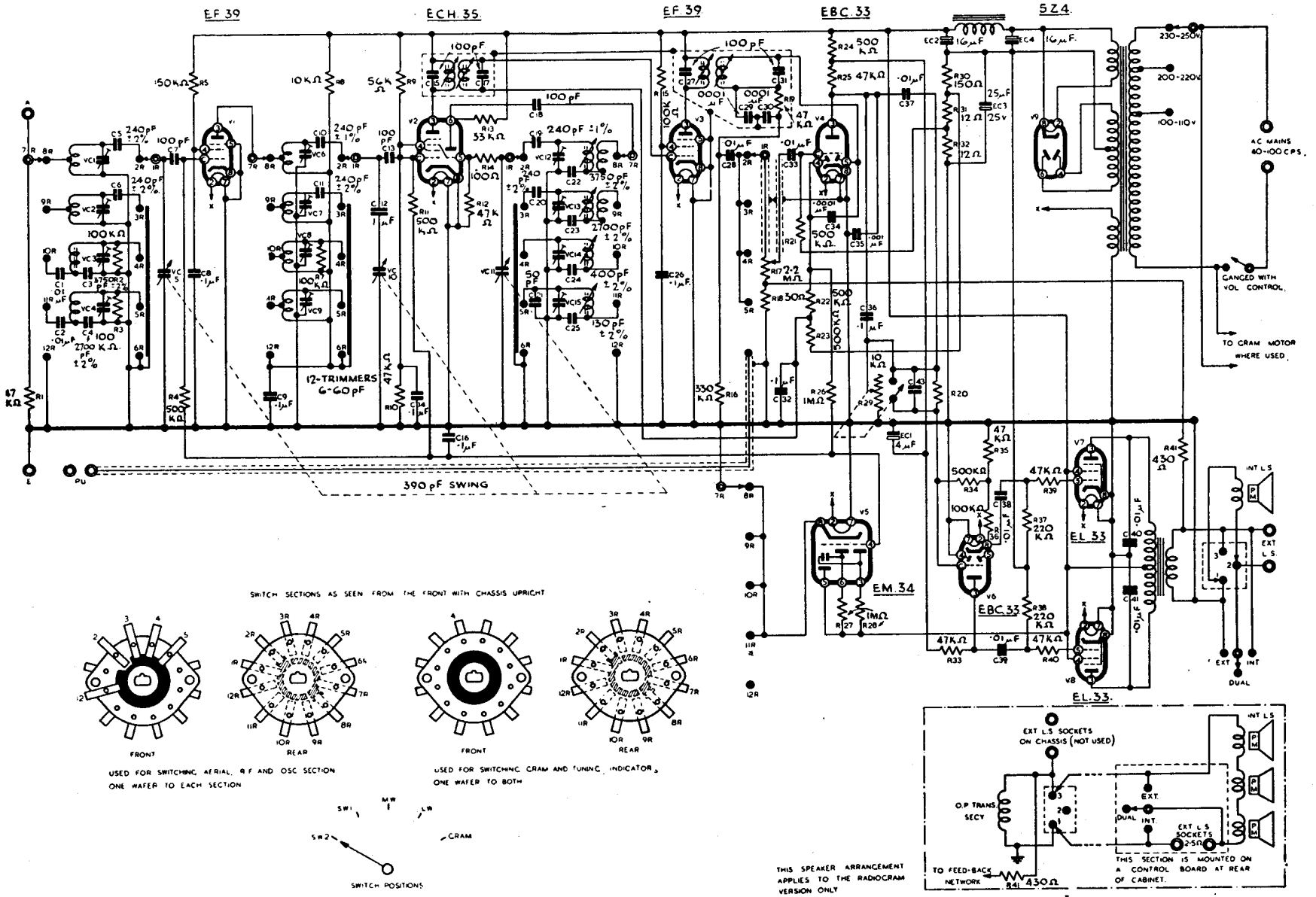
<i>Circuits</i>	<i>Tune Receiver to</i>	<i>Tune Signal Generator to</i>	<i>Adjust for Maximum Response in Order Stated</i>
L.W.	1000 m. 2000 m.	300 kc/s. 150 kc/s.	VC15, VC9, VC4 Core L.W. Osc.
M.W.	200 m. 500 m.	1500 kc/s. 600 kc/s.	VC14, VC8, VC3 Core M.W. Osc.
S.W.1	11 Mc/s. 6 Mc/s.	11 Mc/s. 6 Mc/s.	VC13,* VC7, VC2 Core S.W.1 Osc.
S.W.2	22 Mc/s. 12 Mc/s.	22 Mc/s. 12 Mc/s.	VC12,* VC6, VC1 Core S.W.2 Osc.

* Least capacity position.

Voltage Checks : Measured with Avo Model 7 testmeter.

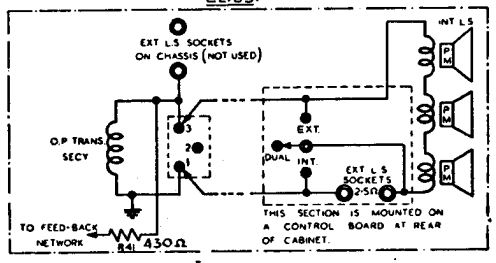
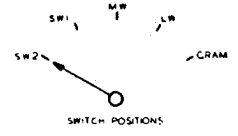
	<i>Anode</i>	<i>Screen</i>	<i>Osc. Anode</i>	<i>Cathode</i>
V1	170 v.	55 v.	—	A.V.C. bias
V2	240 v.	60 v.	85 v.	—
V3	240 v.	70 v.	—	—
V5	65 v.	—	—	0.85 v.
V6	105 v.	—	—	50 v.
V7	240 v.	250 v.	—	9 v.
V8	240 v.	250 v.	—	9 v.

CIRCUIT DIAGRAM—REGENTONE MODELS A500, C500, ARC500



USED FOR SWITCHING AERIAL, RF AND OSC SECTION
ONE WAFER TO EACH SECTION

USED FOR SWITCHING GRAM AND TUNING INDICATORS
ONE WAFER TO BOTH



THIS SPEAKER ARRANGEMENT APPLIES TO THE RADIOGRAM VERSION ONLY