General Description: Five-valve (including rectifier), three-waveband superheterodyne table receivers. These models are identical in every respect except cabinets: 500, wooden cabinet; 501, moulded cabinet. Released: 500, May 1950; 501, June 1950. Prices: 500, £15 2s. 9d. (plus tax); 501, £12 19s. 6d. (plus tax).

Power Supply: A.C. mains, 200-255 volts, 40-100 c/s. (three adjust-

ment tappings). Consumption approximately 40 watts.

Wavebands: S.W. 19-5.8 Mc/s. (15.8-51.3 m.); M.W. 1605-520 kc/s. (187-575 m.); L.W. 320-146 kc/s. (940-2050 m.).

Intermediate Frequency: 470 kc/s.
Valve Analysis: For alternative types see "Notes" below.

Valve	Anode Volts	Anode Current (mA.)	Screen Volts	Screen Current (mA.)	Cathode Volts
V1 7S7 (osc.) V2 7B7 V3 7C6 V4 7C5 V5 7Y4	208 96 204 46 268 250 A.C.	3 3·2 10 2 32 29 (each)	80	3.4	
			80	2.3	- 44 <u>+</u>
			202 —	2.2	9 280

Dial Light: 6.5 volts, 0.3 amp. M.E.S. fitting.

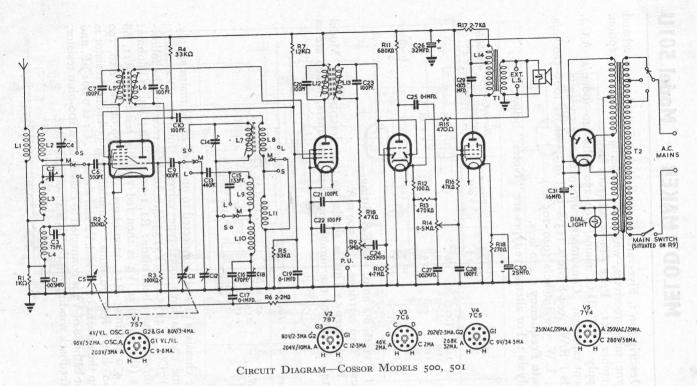
Alignment Procedure: This is similar to that described for Model 502 (page 302), except for the numbering of the trimmers, which are as given below:

Range	Frequency	Adjustment
I.F. M.W. L.W. S.W.	470 kc/s. 1550 kc/s. 160 kc/s. 18 Mc/s. 6 Mc/s.	L13, L12, L6 and L5 C12, then C2 C18 C14, then C4 L7

Notes: Some receivers are fitted with B8A valves as follows: (VI) 62TH; (V2) 62VP; (V3) 62DDT; (V4) 67PT; (V5) 66KU. On these models R3 is 18 kilohms and R18 is 180 ohms.

Some receivers use an octal range as follows: (VI) OM10; (V2) OM6; (V3) OM4; (V4) 6V6GT; (V5) 6X5G. In these chassis R13 is 270 kilohms, R11 100 kilohms and C25 is 0.01 μ F.

In a few models the loctal range is used with the exception of V4, which is replaced by an octal-based 6V6GT. There are no circuit variations in this case.



	D.C.	Resistance	of	Inductors
L	I	Very low		

L2	Very low
L3	3.5 ohms
L4	13.5 ohms
L5	9 ohms
L6	9 ohms
L7	Very low

L8	2.5 ohms
L ₉	2.8 ohms
Lio,	7.5 ohms
LII	5.5 ohms
LI2 LI3	o ohms
L13	13 ohms

Tr (Primar	y)
Second	
T2 (Primar	y) 200-v. tapping
	220-v. tapping
	240-v. tapping

2200-v. tapping 43.5 ohms 240-v. tapping 43.5 ohms 47 ohms Heater winding 265 + 265 ohms Very low (Secondary) H.T. winding

280 ohms Very low 40 ohms