

## McMICHAEL

## Model MS206

**General Description:** Seven-valve (including rectifier), three-waveband, A.M./F.M. stereo radiogram with B.S.R. type UA16 record unit. Plated wiring is used in the I.F. amplifier and audio circuits. For operation from A.C. mains, 200–250 volts, 50 c/s.

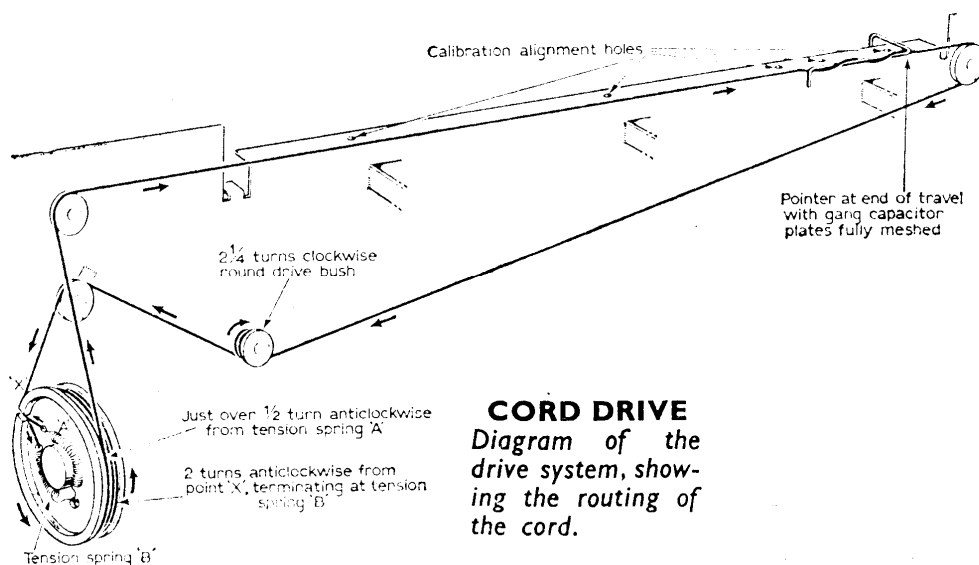
**Wavebands:** L.W. 1100–1960 m.; M.W. 185–570 m.; V.H.F. 87.5–101 Mc/s.

**Valve Analysis:** Measurements shown in brackets taken on F.M.

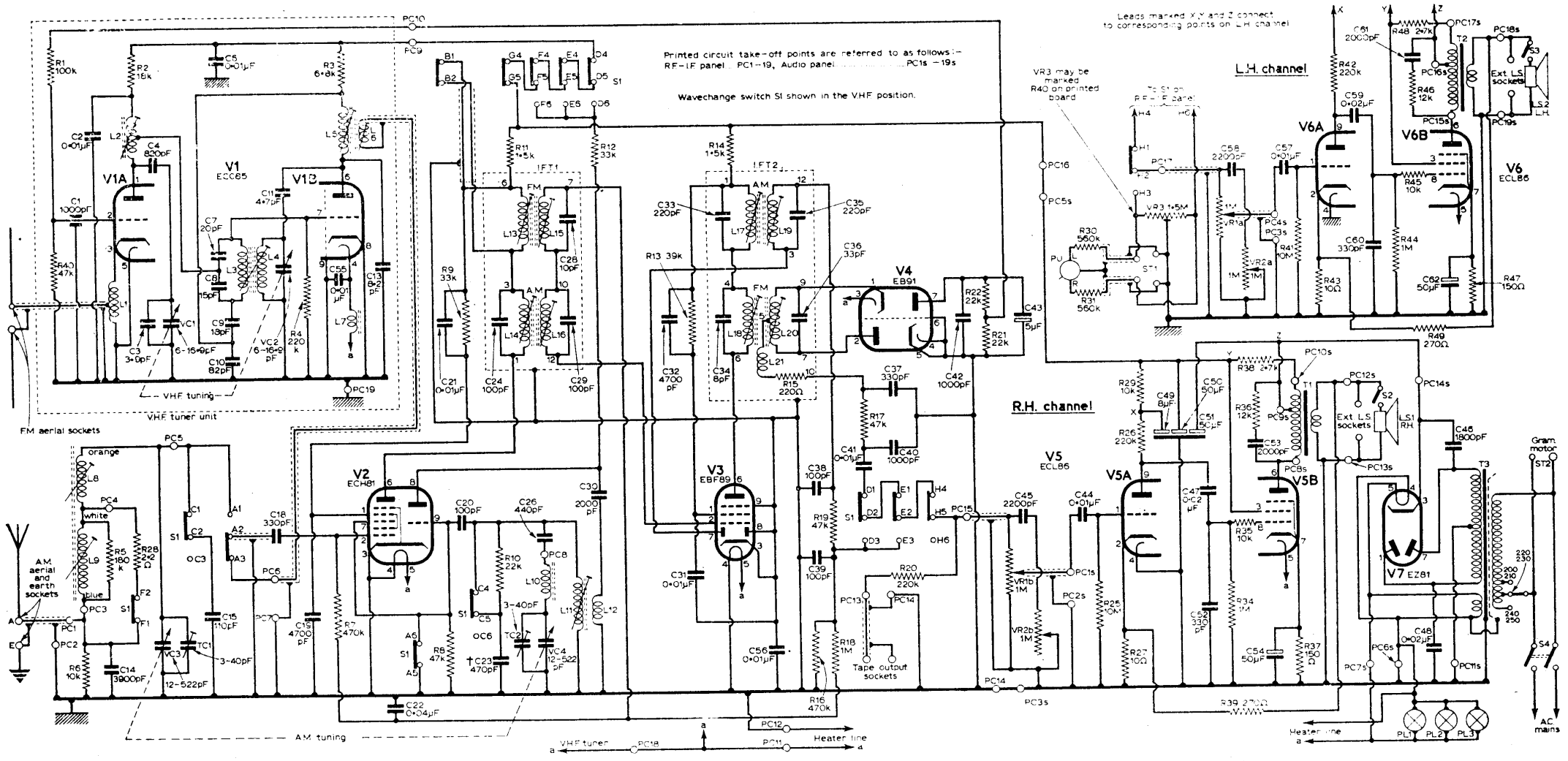
Valve		Anode, volts	Screen, volts	Cathode, volts	Cathode, mA.
V1A	ECC85 . . . .	— (100)	—	—	—
V1B	ECC85 . . . .	— (172)	—	—	— (11)
V2	ECH81 . . . .	211 (191)	63 (70)	—	7.6 (11.3)
	(osc.) . . . .	85 (—)	—	—	—
V3	EBF89 . . . .	201 (187)	79 (73)	—	14.3 (13.7)
V4	EB91 . . . .	—	—	—	—
V5A, V6A	ECL86 (triode) . . . .	109 (106)	—	—	0.5 (0.5)
V5B, V6B	ECL86 (pentode) . . . .	251 (251)	222 (208)	5.5 (5.1)	37 (34)
V7	EZ81 . . . .	250 A.C.	—	270 (266)	99 (103)

**Alignment:** I.F. (A.M.) 470 kc/s. (L19, L17, L16, L14). M.W. 600 kc/s. (L11, L8); 1500 kc/s. (TC1, TC2). L.W. 220 kc/s. (L9). I.F. (F.M.) 10.7 Mc/s. (L18 top core, L13 top, L15 bottom, L20 bottom, L5 top, L6 bottom). R.F. 92 Mc/s. (L4, L2). Note that A.M. trimmers TC1, TC2 are on F.M. tuner.

**Notes:** Pilot lamps, 6.5 volts, 0.3 amps. VR1 1 megohm log. VR2 1 megohm antilog. VR3 1.5 megohm pre-set balance control. Provision is made for external loudspeakers (3-ohm impedance). Output power per channel 3 watts. The R.F./I.F. board, containing V2, V3, V4 and associated circuitry, including the wavechange switch unit, employs plated circuit technique with printed wiring on both sides of the board.



**CORD DRIVE**  
Diagram of the drive system, showing the routing of the cord.



† Or some chassis C23 is 460pF, on others C26 is 470pF made up of a 460pF in parallel with a 10pF

CIRCUIT DIAGRAM—McMICHAEL MODEL MS206