

PYE

Models 1101, 3017

General Description: Five-valve (including rectifier), nine-waveband table receiver with bandspread tuning on five short-wave broadcasting bands. The two models are similar but 1101 is marketed in the United Kingdom and 3017 is an export model.

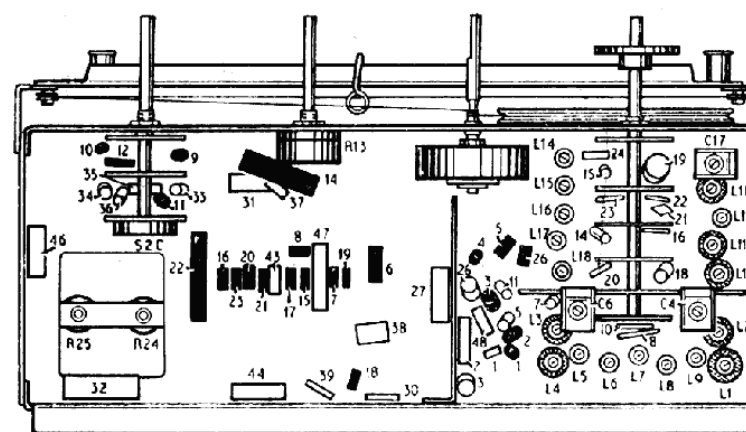
Power Supply: A.C./D.C. mains, 100-125 and 200-250 volts. Consumption 50 watts.

Wavebands: L.W.; M.W.; S.W.1 65-200 m.; S.W.2 31-66 m.; bandspread bands: 31 m.; 25 m.; 19 m.; 16 m.; 13 m.

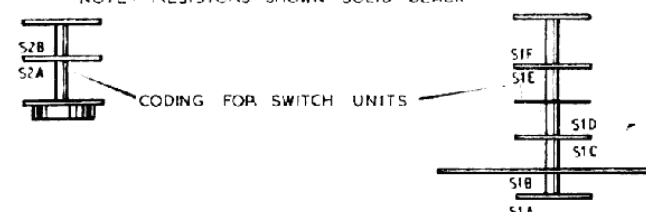
Valve Analysis: Readings on M.W. (no-signal), with 20,000 ohms/volt testmeter.

Valve	Function	Anode		Screen		Cathode	
		Volts	mA.	Volts	mA.	Volts	mA.
V1 UCH42	Freq. changer (oscillator)	140	1.7	62	3.7	—	8.4
V2 UF41	I.F. amplifier	112	3.0	—	—	—	—
V3 UBC41	A.F. amplifier	140	5.4	62	1.6	—	7.0
V4 UL41	Output	66	0.3	—	—	—	0.3
V5 UY41	Rectifier	150	36	140	6.8	7.7	42.8
		190 A.C.	—	—	—	165	58.5

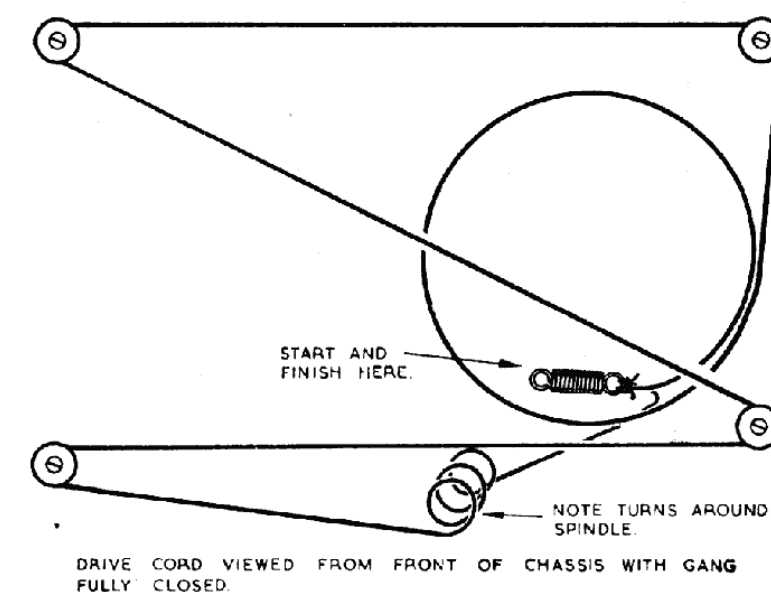
Dismantling: Quick release arrangement permits removal of chassis without turning cabinet over. Remove all plugs from back of chassis. Remove card back. Loosen grub screws and pull off knobs. Remove chassis fixing screws. Pull off indicator lampholder from its bracket and withdraw chassis.



NOTE - RESISTORS SHOWN SOLID BLACK



THE DRIVE CORD SHOULD BE OF NYLON BRAIDED GLASS YARN. LENGTH 76 1/2" BETWEEN CENTRES OF LOOPS.



Alignment Frequencies: I.F. 470 kc/s. (T2, T1). L.W. 214 kc/s. (LW10, L1). M.W. 600 kc/s. (L11, L2); 1500 kc/s. (C17, C4). S.W.1 1500 kc/s. (L12, L3); 3.3 Mc/s. (C6). S.W.2 7.2 Mc/s. (L13, L4). 31 m. 9.6 Mc/s. (L14, L5); 25 m. 11.8 Mc/s. (L15, L6); 19 m. 15.3 Mc/s. (L16, L7); 16 m. 17.8 Mc/s. (L17, L8); 13 m. 21.6 Mc/s. (L18, L9). Calibration of bandspread circuits should preferably be checked against broadcasting stations of known frequency.

Notes: Dial lamp 12-volt, 0.1 amp. Fuses F1, F2 1 amp. Following capacitors should be rated for 300-volts A.C. C2, C46, C47, C48. When replacing drive cord, scale backplate should be taken off by removing two screws at front left-hand side, and two nuts at rear right-hand side.

CIRCUIT DIAGRAM—PYE
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