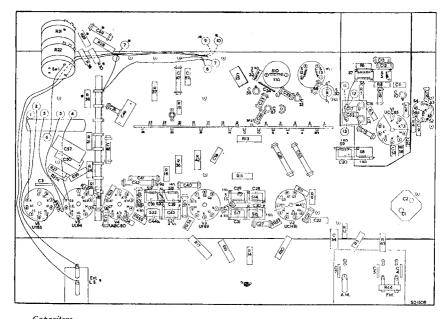
PHILIPS

Models B3G99U, B4G01U

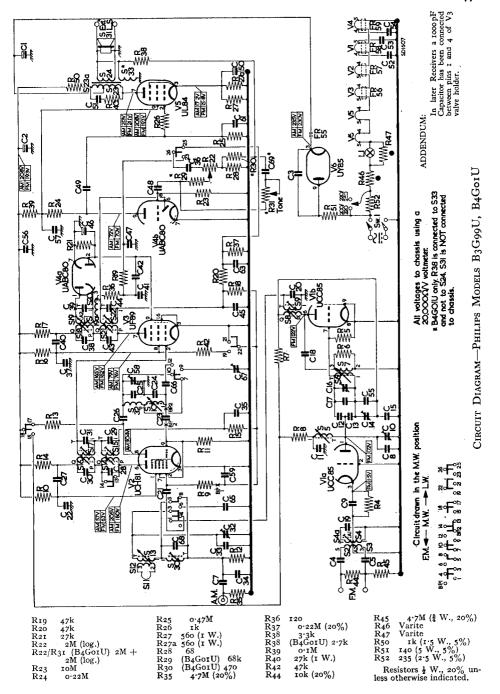
General Description: Six-valve (including rectifier), three-waveband, A.M./F.M. table models. Also known as Models 399U, 401U.

Power Supply: A.C./D.C. mains, 200–250 volts, about 60 watts. The flying lead which plugs on to the mains dropper is initially set to 240-volt position (extreme right-hand tag viewed from rear of chassis). Tag immediately to left is 210-volt connection.

Wavebands: M.W. 187–569 m.; L.W. 1090–2000 m.; V.H.F. 87·5–100 Mc/s.



	Capacitors.						
Cı	50 (275 v.)	C21	100 pF.	C42	330 pF.	C66	15 pF.
C2 C3 C4 C5 C7 C8	100 (275 v.)	C22	1,200 pF.	C43	195 pF.	C67	50 pF.
С3	4,700 pF.	C23	56 pF.	C44	195 pF.	C68	56 pF.
C ₄	470 pF.	C24	290 pF. (1%)	C45	100 pF.	C69	(B4G01U) 390 pF.
C5	470 pF.	C25	120 pF. (1%)	C46	2 (50 V.)	•	, , , , , ,
C7	1,800 pF	C26	470 pF.	C47	330 pF.		Resistors.
C8	4·7 pF.	C27	4,700 pF.	C48	10,000 pF.	R4	180
C9	1,000 pF.	C28	15 pF.	C49	10,000 pF.	R5	0·1M
Cio	2-5_pF.	C29	15 pF.	C50	25 (25 v.)	$R\bar{6}$	2.2k
C11	1,000 pF	Сзо	110 pF.	C51	1,000 pF. (1300 v.)	R_7	rok
C12	8·2 pF.	Сзг	195 pF.	C52	1,000 pF.	R8	2.2k
	(±0.5 pF.)	C32	18 pF.	C53	1,000 pF.	R9	ıM
C13	8·2 pF.	C33	33 pF.	C54	1,000 pF.	Rio	39k (1 W.)
C14 C15	2-10 pF.	C34	3,000 pF. (5%)	C55	5.6 pF.	RII	47k
C15	130 pF	C35	100 pF.	C56	1,000 pF.	R12	33k
C16	2-10 pF.	C36	4,700 pF.	C57	0.22	Rı3	33k (1 W.)
C17	15 pF.	C37	4,700 pF.	C58	18 pF.	R14	2.2k
C18	33 pF.	C38	22 pF.	C59	22,000 pF.	R15	1M
C19	6.8 pF.	C39	47 pF.	C60	1,500 pF.	R16	33k (r W.)
	_ (±0·5 pF.)	C40	4,700 pF.	C63	100 pF.	R17	.4.7k (1 W.)
C30	15 pF,	C41	330 pF.	C65	742 pF. (1%)	R18	1.2M



Valves: (V1) UCC85; (V2) UCH81; (V3) UF89; (V4) UABC80; (V5) UL84; (V6) UY85.

Pilot Lamp: 19 volts, 0.1 amp. (Type 8097D).

Alignment Frequencies: A.M. I.F. 470 kc/s. M.W. 1620 kc/s., L.W. 190 kc/s. F.M. I.F. 10.7 Mc/s. R.F. 87.5, 94 and 100 Mc/s.

Dismantling: Remove two chassis-fixing screws located at bottom of front edge of chassis, also two screws at rear of bottom of cabinet. Withdraw chassis and unsolder speaker leads.

Associated Models: Models B4G12U, B3G10U, also known as 412U and 310U. C8 connected across S5 and not in parallel with C10.

Radiogram Model **F4G10A**, also known as **410A**, incorporates a radio/gram switch, one section of which disconnects H.T. from triode anode of V2 and screen of V3 on "gram". The other section switches either P.U. or detector to top of R22. Record unit AG1014. Motor windings are series connected, these in turn are connected in series with two resistors in parallel across set side of mains switch SW1. R1 (1.2k) and R1A (1.5k) are short-circuited by the voltage selector in the 200–220 v. tap.