

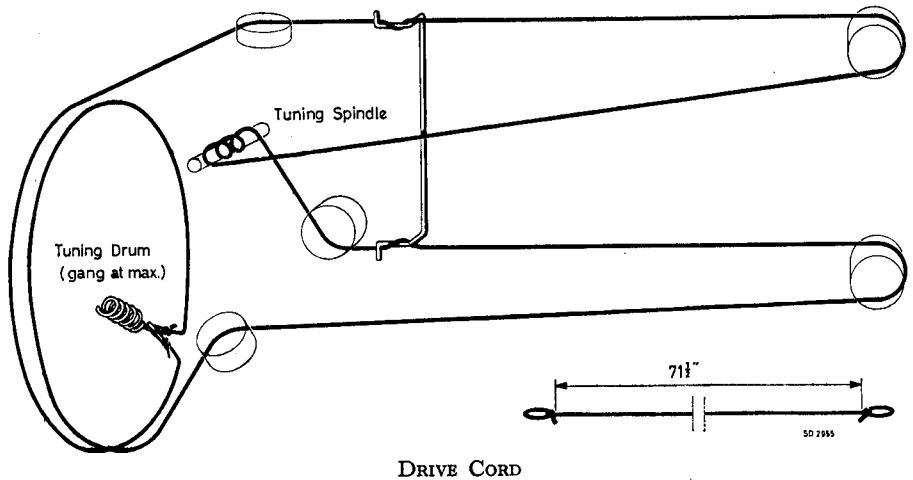
PHILIPS "STUDIO THREE" Model F4G50A

General Description: Four-valve, two-waveband plus M.W. band-spread, radiogram incorporating a Garrard 1000 changer unit with GP91-1 stylus. For use on 220-240-volt A.C. mains. *Caution:* The chassis is connected to one side of the mains and may therefore be "live".

Valves: (V₁) UCH81; (V₂) UBF89; (V₃) UCL82; (V₄) UY85.

Wavebands: L.W. 1200-2120 metres; M.W. 185-560 metres; Band-spread 185-214 metres.

Alignment: I.F. 470 kc/s. (L8, L7, L6); M.W. 600 kc/s. (L3, L1); 1500 kc/s. (C30, C18); Bandspread 1440 kc/s. (C28, C7); L.W. 190 kc/s. (C35, L2, C24).



Resistors.

R1	6.8k
R2	15k
R4	22M
R5	220k
R6	1.5k
R7	500
R8	1.5M
R9	47k
R10	N.T.C.
R11	700
R12	N.T.C.
R13	100
R14	39k
R15	47k
R16	1M
R17	270k
R18	100

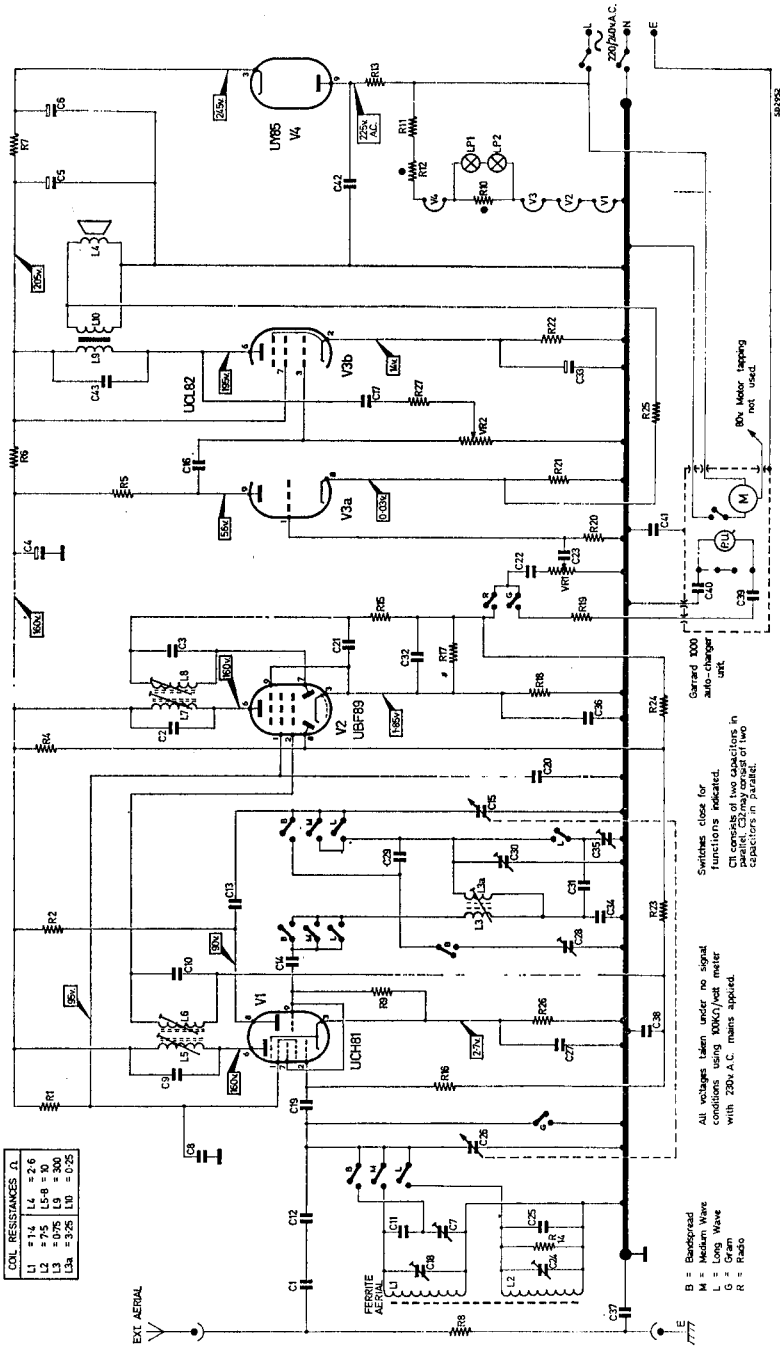
R19	1M
R20	10M
R21	82
R22	330
R23	1M
R24	270k
R25	2.2k
R26	220
R27	220k
VR1	1M
VR2	0.5M

Capacitors.

C1	1k pF.
C2	150 pF.
C3	150 pF.
C4	40 μF.
C5	40 μF.

C6	8 μF.
C7	3/40 F.
C8	10k pF.
C9	150 pF.
C10	150 pF.
C11	84 pF.
C12	3.9 pF.
C13	100 pF.
C14	100 pF.
C15	523 pF.
C16	10k pF.
C17	100 pF.
C18	3/40 pF.
C19	100 pF.
C20	20k pF.
C21	100 pF.
C22	10k pF.
C23	10k pF.
C24	3/40 pF.

C25	110 pF.
C26	523 pF.
C27	10k pF.
C28	3/40 pF.
C29	56 pF.
C30	3/40 pF.
C31	550 pF.
C32	330 pF.
C33	25 μF.
C34	560 pF.
C35	13/40 μF.
C36	0.1 μF.
C37	10k pF.
C38	47k pF.
C39	10k pF.
C40	10k pF.
C41	10k pF.
C42	10k pF.
C43	3k pF.



COIL RESISTANCES, Ω	
L1 = 1.4	L4 = 2.6
L2 = 7.5	L5 = 8 = 3.0
L3 = 3.25	L6 = 0.25
	L7 = 0.25

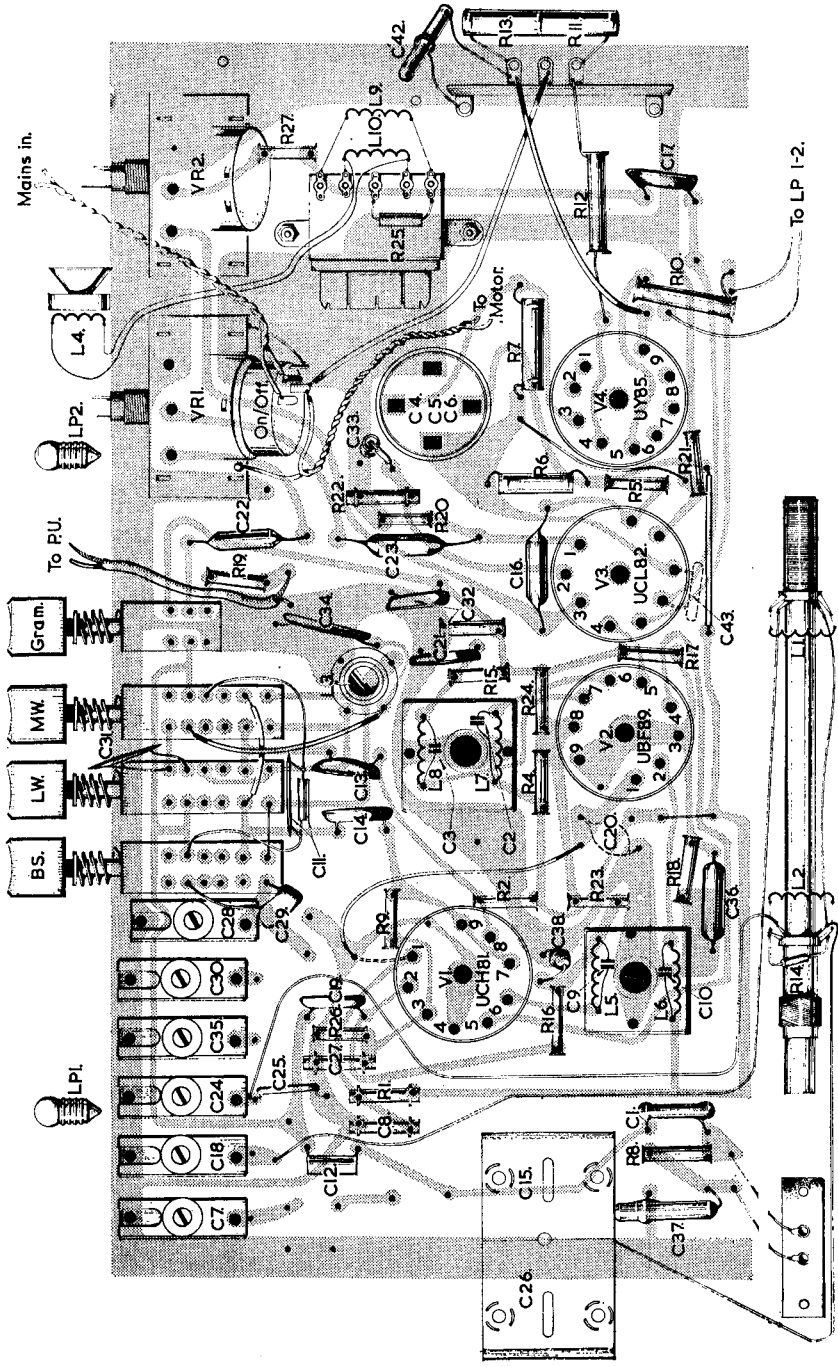
Switches close for functions indicated.
 C1 consists of two capacitors in parallel. C2 may consist of two capacitors in parallel.

All voltages taken under no signal conditions using X000/1000 volt meter with 250V A.C. mains applied.

B = Background
 M = Medium Wave
 L = Long Wave
 G = Gram
 R = Radio

CIRCUIT DIAGRAM—MODEL F4G50A

RADIO SERVICING



PRINTED PANEL (COMPONENT SIDE)