

# PHILIPS

# Model F5G94A

**General Description:** Ten-valve (including rectifier and tuning indicator), three-waveband, A.M./F.M. stereo radiogram with dual A.F. channels. This model is derived from the G63A series (1957-58 volume) and service information for that model will be generally applicable.

**Power Supply:** A.C. mains, 200-250 volts, 50 c/s.

**Wavebands:** L.W. 150-255 kc/s.; M.W. 527-1604 kc/s.; V.H.F. 87.5-100 Mc/s.

**Valves:** (V1) EF80; (V2) EF80; (V3) ECH81; (V4) EF85; (V5) EABC80; (V6) EL84 (right-hand channel); (V7) EZ81; (V8) EM81; EABC80 (left-hand channel); (V10) EL84 (left-hand channel).

**Intermediate Frequencies:** A.M. 470 kc/s.; F.M. 10.7 Mc/s.

**Notes:** Record changer Type AG1014; pick-up head LP AG3063, standard AG3066. In large rooms improved stereo effect may be obtained with separate extension loudspeakers, provided correct phasing is observed. Balance control can be adjusted while playing mono record with set switched to stereo, adjusting control for equal outputs from the two channels.

## Component Values:

<i>Capacitors.</i>		
C1-2A	50 + 50 + 50 (350 v.)	C40 3900 pF.
C3	100 (12 v.)	C41 0.01
C4	5 (75 v.)	C42 1500 pF.
C9	1000 pF.	C43 1500 pF.
C10	270 pF. (10%)	C44 3900 pF.
C11	12 pF. (10%)	C45 4700 pF.
C12	1000 pF.	C46 2200 pF.
C13	100 pF. (10%)	C47 2200 pF. (10%)
C14	1000 pF.	C48 100 pF. (10%)
C15	18 pF.	C49 0.01 (10%)
C16	10 pF.	C50 0.018 (10%)
C17	33 pF. (10%)	C51 0.1 (10%)
C18	18 pF. (10%)	C52 0.015 (10%)
C19	47 pF. (10%)	C53 470 pF. (10%)
C20	3000 pF. (5%)	C54 0.015 (10%)
C21	15 pF.	C55 1000 pF. (1300 v., 10%)
C22	3-30 pF.	C56 3.3 pF.
C23	3-30 pF.	C57 100 pF.
C24	33 pF.	C58 500 pF.
C25	33 pF.	C59 500 pF.
C26	110 pF.	C60 4700 pF.
C27	195 pF.	C61 33 pF. (10%)
C28	22 pF.	C62 6800 pF.
C29	47 pF.	C63 1000 pF.
C30	1000 pF.	C64 1000 pF.
C31	220 pF. (10%)	C65 0.01
C32	195 pF.	C66 0.01 (10%)
C33	195 pF.	C68 8.2 pF.
C34	3.9 pF.	C69 8.2 pF.
C35	100 pF. (10%)	C81 1000 pF.
C36	470 pF. (10%)	C82 100 pF.
C37	56 pF. (10%)	C84 0.01 (10%)
C38	100 pF.	C85 33 pF. (10%)
C39	270 pF. (10%)	C86 0.01 (10%)
C87	0.018 (10%)	C88 0.1 (10%)
C89	0.015 (10%)	C90 0.015 (10%)
C91	4700 pF.	C92 470 pF. (10%)
C93	100 (12 v.)	C94 1000 pF. (1,300 v., 10%)
C94	1000 pF. (1,300 v., 10%)	
<i>Resistors.</i>		
R1	1.2k (3 W., W.W.)	R26 82k
R2	39k (1 W.)	R27 10M (20%)
R3	33k (1 W.)	R28 0.1M (20%)
R4	150 (1 W.)	R29 1k (20%)
R5	0.22M	R30 220
R6	0.5M (log.)	R31 33k (20%)
R7	2M (log.)	R34 18k (1 W.)
R8	1k	R36 22k
R9	2.2k	R37 10M (20%)
R10	10k	R38 0.1M
R11	180	R39 47
R12	2.2k	R40 1.2k
R13	0.1M	R43 0.47M (20%)
R14	33k	R44 2.7M (20%)
R15	1.2M	R45 10M (20%)
R16	47k	R47 82k
R17	56k	R48 47
R18	2.2k	R49 2M (log.)
R19	1.2M	R50 10M
R20	4.7k	R51 0.22M
R21	0.18M	R52 0.1M
R22	0.22M	R53 1k
R23	47k	R54 0.5M (log.)
R25	10k	R55 150 (1 W.)
		R56 18k (1 W.)
		R57 1.2k
		R58 0.5M (lin.)
		R59 0.5M (lin.)
		R60 180 (1 W.)
		R60A 220 (1 W.)
		R61 1M
		R62 1M

(10%,  $\frac{1}{2}$  W. unless otherwise indicated.)

**Model B3G97U:** The chassis fitted to this model is similar to that of Model G75U (see 1958-59 volume).

