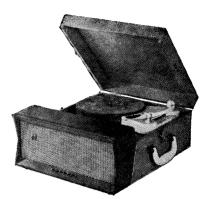
# PHILIPS PHONOGRAM MODEL NG1004/01

Model NG1004/01 differs from NG1004 in respect of record player only. For additional descriptive details, refer NG1004 service data.

#### **SPECIFICATIONS**

(Subject to alteration without notice)

6V Dry Battery Power Supply (Lantern) type 509 or 3509 15/12½ lbs. CZ.165-400 Weight packed/unpacked Transistor Amplifier Av. Current Consumption (66-80°F) ..... бтА Av. Current Consumption (88-104°F) 11.5mA Type NG1012 Record Player,  $16\frac{2}{3}$ ,  $33\frac{1}{3}$ , 45, 78 R.P.M. Av. Current Consumption (33\frac{1}{3} R.P.M.) 45mA Type AG3010 or AG3016 Pick-up Head .....



#### **VOLTAGE ANALYSIS**

Transistor			Volts			Collector	
Function	Туре	Ref. No.	Emitter	Base	Collector	Current mA.	
Pre-amplifier	OC71	Trl	0.28	0.31	5.0	0.3	
Driver	OC71	Tr2	0	0.15	5.5	2.5	
Power Output	OC72	Tr3	0	0.15	6.0	1.0 at 72°F. 2.5 at 90°F.	
Power Output	OC72	Tr4	0	0.15	6.0	1.0 at 72°F. 2.5 at 90°F.	

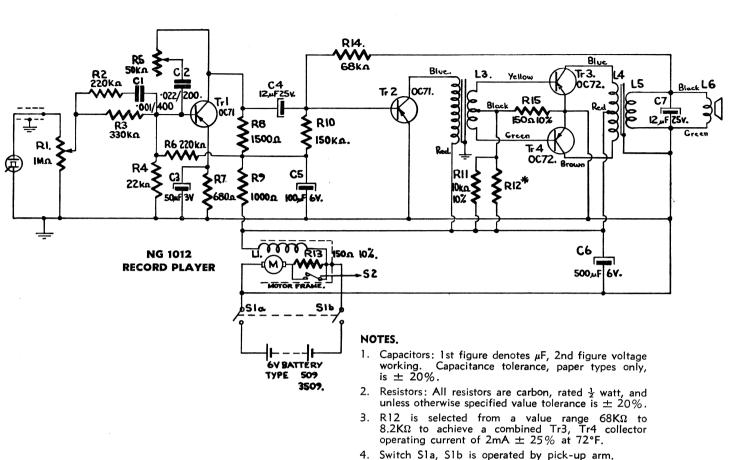
NOTE: All voltages, measured at transistor lead ends, are  $20,000~\Omega$  per volt meter readings and may vary  $\pm~10\,\%$  of quoted figure. Milliameter is shunted by a 2,000  $\mu\text{F}$  capacitor for collector current measurement. Tr3 and Tr4 are matched pair.

### MISCELLANEOUS COMPONENTS

Description	Code No.	Description	Code No.
Badge	CR.531.422	Motor assembly complete	AE.150.46
Clip, pick-up arm retaining	CS.210.606	Cap, aluminium, protective	49.892.07
Chp, pick-up ann retaining	<b>C3</b> .210.000	Padding, sponge rubber protective	e 49.892.39
Container, battery—		Pulley (4 speed)	AE.002.49
Blue	CR.248.448	Grommet, motor mounting, x3	A9.999.75/5x10
Tan	CR.248.453 Screw, speed adjustment		49.892.43
	CR.248.452	Speed, governor assembly	AE.600.09
Grey	CR.240.432	Brush assembly	A9.023.60
Screw, battery securing	CS.258.853	Clip and fixed governor contact	AE.600.08
Disc, stroboscopic	CS.413.212	Name, Philips	CS.436.446
Intermediate wheel	AE.150.48	Pad, pressure, turntable	CS.424.178
Knob, x2	CR.523.739	Screw, knurled x2 (batt. plt. to mtg. b	oard) CS.258.857

For remaining parts comprising record player Type NG1012, refer NG1009 service data.

**RESISTORS** 



## PARTS LIST

5. Switch S2 is part of motor speed governor.

**CAPACITORS** 

No.	Description	Code No.	No.	Description	Code No.	
R1 R2, 6	0.5 M $\Omega$ carbon pot. (vol.) 0.22 M $\Omega$ ½W carbon	CZ.029.321	C1 C2 C3	0.001 $\mu$ F $\pm$ 20%, 400V p 50 $\mu$ F, 3VW electrolytic 0.022 $\mu$ F $\pm$ 20% 200V pa	CZ.099.806	
R3 R4	0.33 M $\Omega$ ½W carbon 22 K $\Omega$ ½W carbon		C4, 7 C5	12 μF 25 VW electrolytic 100 μF 6VW electrolytic	CZ.099.502	
R5 R7	50 KΩ carbon pot. (tone)	CZ.029.080	Č6	500 μF 6VW electrolytic	CZ.100.103	
R8	$680\Omega  frac{1}{2}$ W carbon 1.5 K $\Omega  frac{1}{2}$ W carbon			INDUCTORS		
R9	1.0 K $\Omega_2^1$ W carbon		D.0	C. Resistance	Type or	
R10	0.15 MΩ ½W carbon		No.	Ohms Description	Code No.	
RII	11 10 K $\Omega$ ½W carbon		L1 2.4 Motor filter wdg., Part of AE.150.46			
R12	Selected from:—			- · · · · · · · · · · · · · · · · · · ·		
	68 KΩ ½W carbon		L2, 3	250: 45/45 Drive transform		
	27 KΩ ± 10% ½W carbo	n	L4, 5	5.0/5.0: $< 0.5$ Output transform	mer Rola TR6	
	$18 \text{ K}\Omega \pm 10\% \frac{1}{2}\text{W} \text{ carbo}$	n	L6	Loudspeaker, $3.5\Omega$	Rola 5F, F87	
	$10 \text{ K}\Omega \pm 10\% \frac{1}{2}\text{W} \text{ carbo}$	n				
$8.2 \text{ K}\Omega \pm 5\% \frac{1}{2}\text{W} \text{ carbon}$		IMPORTANT! When ordering spare parts, quote CODE				
R13, 15			NUMBER of part and MODEL NUMBER of Receiver.			
R14	68 K $\Omega^{-1}_2$ W carbon		In claiming free replacement under GUARANT return defective part PROMPTLY and quote MOD and SERIAL NUMBER of Receiver and DATE		quote MODEL	
All tolera	nces are ± 20% unless otherwi	se specified.	PURCH		ING DATE OF	

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