

SERVICE DATA FOR THE PHILIPS RECORD PLAYER

TYPE NG5050

This unit is similar to the AG2121 for which a Service Manual has been issued.

A complete spares list is given below, the differences between the two units being mainly associated with the cabinet.

SPARE PARTS LIST—TYPE NG5050

IMPORTANT. When ordering spare parts, the type number of the receiver and the code number of the part, as given in this manual, **MUST** be quoted to enable the order to be correctly executed. When claiming free replacement under guarantee, the defective part should be returned and the type and serial number of the receiver, also the date of sale, should be quoted.

CASE ASSEMBLY

Case complete—Red/Grey	...	...	MK.979.84
Case complete—Green/Grey	...	...	MK.979.85
Philips emblem	...	...	MK.704.88
Ornamental grille for speaker aperture	...	...	MK.477.19
Baseboard for record player	...	...	MK.399.79
Screws for above—Brass (No. 4 × $\frac{3}{4}$" )	...	...	G7.981.34
Cup washers for above	...	...	MK.448.81
Lens for L1	...	...	MK.961.09/Red

CONTROL KNOBS

Control knob—Volume	...	...	MK.854.82/Crm.
Control knob—Tone	...	...	MK.854.83/Crm.
Grub screws for above (4BA × $\frac{3}{8}$" )	...	...	G7.863.50

TURNTABLE ASSEMBLY

Bearing spindle for above	...	...	HY.142.17
Lock washer for above	...	...	49.935.16
Nut for above	...	...	G7.045.43
45 r.p.m. adaptor	...	...	B.020.CD/5
Retaining clip for above	...	...	P4.380.39/17
	...	...	MK.750.96

MOTOR ASSEMBLY complete	...	...	49.266.24
Stator coil assembly	...	...	49.927.02
Rotor assembly	...	...	49.924.78
Bearing assembly—top	...	...	49.927.04
Bearing assembly—bottom	...	...	49.927.05
Stepped spindle	...	...	49.938.79
Grub screw for above	...	...	49.937.15

SPEED SELECTOR

Operating lever with spindle	...	...	HY.110.15
Knob for lever	...	...	P4.525.13/Crm.
Locating pins for spindle	...	...	B.074.AF/2×24
Locking spring for above	...	...	49.938.02
Rivets for above (2 × 5mm.)	...	...	B.010.AG/2×5
Selector plate assembly	...	...	HY.138.93
Stop plate for above	...	...	49.938.55
Pressure spring	...	...	49.938.07
Circlip for above	...	...	B.048.AF/7
Drive wheel	...	...	49.928.79
Circlip for above	...	...	B.048.AF/4
Presspahn washers for drive wheel	...	...	49.938.15
Tension spring	...	...	49.938.54

MOULDED COVER PLATE

Screws for above (3 × 25mm.)	...	...	49.928.80
Philips emblem	...	...	B.054.GH/3×25
	...	...	23.654.14

PICK-UP ARM ASSEMBLY

Spring for swivel	...	...	49.945.35
Lead	...	...	49.938.12
Pick-up head complete	...	...	49.945.48
	...	...	AG.3010

SPARE PARTS LIST (Contd.)

SWITCH UNIT

Switch contact—moving	...	...	...	A3.186.59
Switch contact—fixed	...	...	...	HY.072.68
Moulded stop pin	...	...	...	A3.661.61
Contact plunger assembly	...	...	...	23.951.33
Release plate for above	...	...	...	A3.661.56
Operating swivel	...	...	...	A3.661.59
Set screw for above	...	...	...	49.936.06
Spring	...	...	...	A3.661.57
Pin for above	...	...	...	A3.661.58
Moulded operating lever	...	...	...	23.690.85

VALVES AND PILOT LAMP

V1	...	...	...	...	EBC41
V2	...	...	...	...	EL84
V3	...	...	...	...	EZ40
L1	...	...	...	...	00.080.28D.00

TRANSFORMERS

S1-S3	Mains transformer	...	...	MK.514.21
S4/S5	Output transformer	...	...	MK.514.23
S6	Loudspeaker	...	...	MK.956.45

MISCELLANEOUS

Voltage adjustment plate only	...	...	MK.875.51
Voltage adjustment disc	...	...	MK.854.69
Valveholders—V1 and V3	...	...	MK.225.45
Valveholder—V2	...	...	MK.225.43
Mains lead (2 yds.)	...	...	K3.975.10
Speaker lead (1 yd.)	...	...	K3.975.00/Crm.
Holding clip for mains lead	...	...	MK.751.03
Holding clip for speaker lead	...	...	MK.751.02
Screws for above (No. 4 × ¼" Brass)	...	...	G7.980.26

CAPACITORS

					Working Voltage	Permitted Tolerance	
C1	Paper	...	...	0.15 uF	125V	10%	48.751.10/150K
C2	Paper	...	...	12,000 pF	125V	10%	48.751.10/12K
C3	Paper	...	...	10,000 pF	400V	20%	48.751.10/10K
C5	Paper	...	...	4,700 pF	1,000V	10%	48.758.10/4K7
C6/7	Electrolytic	...	...	50 + 50 uF	350V		MK.182.35/50+50
C8	Ceramic	...	...	56 pF		10%	48.406.02/56E

RESISTORS

N.B.—Wattage is based upon an ambient temperature of 70°C.

					Wattage	Permitted Tolerance	
R1	Potentiometer	...	...	0.5M ohm	Log Law		MK.810.60
R2		...	...	3,900 ohm	½ watt	10%	48.426.10/3K9
R3		...	...	10,000 ohm	½ watt	10%	48.426.10/10K
R4		...	...	82,000 ohm	½ watt	20%	48.426.10/82K
R5	Potentiometer	...	...	0.5M ohm	Linear Law		MK.810.61
R6		...	...	1,000 ohm	½ watt	20%	48.426.10/1K
R7		...	...	180 ohm	1 watt	10%	48.427.10/180E
R8		...	...	4,700 ohm	1 watt	20%	48.427.10/4K7
R9		...	...	0.22M ohm	½ watt	10%	48.426.10/220K
R11		...	...	10,000 ohm	½ watt	10%	48.426.10/10K
R12		...	...	0.22M ohm	½ watt	20%	48.426.10/220K