

CONFIDENTIAL

SERVICE NOTES FOR THE  
**PHILIPS**  
RECEIVER TYPE B5G80A



SERVICE DEPARTMENT  
WADDON FACTORY ESTATE  
CROYDON · SURREY

DECEMBER,—1957

'Grams · PHILISERVE CROYDON

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The B5G80A is similar to the B3G63A for which a Service Manual has been issued.

The main differences are the inclusion of a magic eye an additional loudspeaker and a different cabinet.

A switch has been connected across S25, the value of R40 has been changed and C22 repositioned.

The circuit of the magic eye is given below.

The two loudspeakers are connected in parallel : the transformer is therefore wound for an impedance of 2.5 ohms, which is also the impedance at the extension sockets.

**SPARE PARTS LIST—B5G80A**

Spare parts of this model are the same as those listed in the B5G64A Service Manual with the exception of the following :

<b>CABINET ASSEMBLY—Wood</b> .. .. .	MK.979.41	<b>PUSH BUTTON UNIT</b>	
<b>CONTROL KNOB</b>		Muting switch .. .. .	A3.186.74
Nylon screw for large knob (2) .. .. .	MK.931.50	<b>VALVEHOLDERS, etc.</b>	
<b>BAFFLE ASSEMBLY</b> .. .. .		Valveholder for V8 .. .. .	MK.225.67
Speaker fabric (500 x 225mm.) .. .. .	K.300.ZZ/936	<b>VALVES and PILOT LAMPS</b>	
Escutcheon for V8 .. .. .	A3.701.15	V8 .. .. .	EM.81
<b>STATION SCALE—Glass</b> .. .. .	MK.705.58	<b>TRANSFORMERS AND COILS</b>	
<b>BACKPLATE ASSEMBLY</b> .. .. .	MK.878.80	S34—36 Loudspeaker transformer .. .. .	MK.515.10
<b>METALLISED BASEPLATE</b> .. .. .	MK.878.50	S38 Loudspeaker .. .. .	MK.956.67

**CAPACITORS**

					<i>Working Voltage</i>	<i>Permitted Tolerance %</i>	
C22	Trimmer	..	..	..	3—30pF	..	28.212.36
C38	Trimmer	..	..	..	100pF	..	28.212.07
C39	Mica	..	..	..	270pF	..	MK.193.10/270E
C82	Ceramic	..	..	..	100pF	..	48.406.01/100E
C91	Moulded	..	..	..	4,700pF	..	48.751.10/4K7

**RESISTORS**

					<i>Wattage</i>	<i>Permitted Tolerance %</i>	
R40	..	..	..	..	560 ohms	..	48.426.10/560E
R43	..	..	..	..	0.47M ohms	..	48.426.10/470K
R44	..	..	..	..	2.7M ohms	..	48.426.10/2M7
R45	..	..	..	..	10.0M ohms	..	48.426.10/10M

