ALG. GEG. GENERAL DATA

Schematype	Circuit type	Superhet
Spanning en voeding	Voltage and supply	Va = 90V= Vf = 1,5V=
Golfgebieden: st. 1	Wave ranges: pos. 1	16,75–53,2 m
„ 2	„ 2	185 – 580 m
„ 3	„ 3	
„ 4	„ 4	
„ 5	„ 5	
„ 6	„ 6	
„ 7	„ 7	
„ 8	„ 8	
Bandspreiding	Bandspread	
Merk	Brand	PHILIPS

FEATURES

Luidspr. type	Speaker type	9742 Z
Extra luidsor. aansl.	Ext.speaker connect.	
Luidspr.uitsch.baar	Speaker switch	
Pick-up aansl.	Pickup-sockets	
Pick-up schak.	Pickup-switch	
Platenspeler/wis.	Record-player/changer	
Pick-up koppen	Pickup-heads	
Magnetofoonaansl.	Tape Recorder conn.	
Kwaliteitschakelaar	Performance-sw.	
Tegenkoppeling	Inverse feedback	
Klankregeling hoog	Tone control high	
„ laag	„ „ low	
Ver.bandbreedte	Ver.bandwith	
Afstemindicatie	Tuning indicator	
Ingeb. antenne	Built in aerial	
Ingeb.ant.uitsch.baar	Sw.for built in aerial	
Netzeef	Mains filter	
Zuig/sperkring vast	Wave trap, fixed	
„ „ facult.	„ „ optional	
Fijnregeling	Vernier drive	Ja
Temp.veiligheid	Temp.fuse	
Veiligh.contact	Safety contact	
Spanningsaflezing	Voltage indication	
Uitvoering	Execution	Tropenvast, ingegoten ijzer trafo, niet stralingsvr., zie 209, 4.

ELECTR. GEGEVENS ELECTRICAL DATA

		AM	FM
Aantal H.F. kringen	Number of H.F. circ.	1 + 1	
„ M.F. „	„ „ I.F. „	2 + 2	
M.F. in kHz.	i.F. in Kc.'s	452	
Selectiviteit (S9) M.G.	Selectivity (S9) M.W.	smal: 90 x breed	
„ L.G.	„ L.W.	„ „	
Gevoeligheid in µV st. 1	Sensitivity in µV pos. 1	70 µV	
„ 2	„ 2	40 µV	
„ 3	„ 3		
„ 4	„ 4		
„ 5	„ 5		
„ 6	„ 6		
„ 7	„ 7		
„ 8	„ 8		
B 1.6 in kHz. M.G.	B 1.6 in Kc.'s M.W.	smal: 4,5 breed:	
„ L.G.	„ L.W.	„ „	
Spiegelverhouding M.G.	Image ratio M.W.	>70 voor f<1000 kHz	
„ L.G.	„ „ L.W.		

Verbruik in W. 110 V_	Power cons. in W 110 V_	Ia = 10 mA
125 V~	125 V~	If = 125 mA
220 V~	220 V~	
Eluitg.verm. in W. 110 V_	Output in W 110 V_	100 mW
(D = 10%) 125 V~	(D = 10%) 125 V~	
220 V~	220 V~	
Ac.uitg.verm. in mW 110 V_	Accost.output in mW 110 V_	4
(D = 10%) 125 V~	(D = 10%) 125 V~	
220 V~	220 V~	

BUIZEN VALVES

	AM	FM
Mengbuis + Oscillator	DK96	
MF.-buis	DF96	
Det. + LF.-buis	DAF96	
Eindbuis	DL96	

SCHAAL SCALE

Soort schaal	Kind of scale
Schaalachtergrond	Scale background
Afmetingen in mm.	Dimensions in mm.
Materiaal	Material
Verlichting	Lighting geen
Schaalbedrukking	Scale markings
Slag v.d. wijzer	Stroke of pointer
Wijzer	Pointer

IND.

Golfgebieden	Waves ranges letters naast schakelaar
	> Rest als BX135B

UITERLIJK EXTERIOR

Kast	Cabinet
Doek	Cloth
Knoppen	Knobs
Plaats v.h. embleem	Place of emblem
Afmetingen in mm.	Dimensions in mm.

AFGELEIDE APPARATEN – DERIVED TYPES

BX236B-95 = BX236B-63, echter met 25,0 = 93,8 m i.p.v. 16,75 = 53,2 m. Gevoeligheid is 50 µV i.p.v. 70 µV.

BX236B-72 = BX236B-63, echter fabricage Watzlar.

BX236B-75 = BX236B-95, echter fabricage Watzlar.

BX236B-77 = BX236B-97, echter fabricage Watzlar.

BX236B-71 = BX236B-72, echter buizen DK92 en DL94 i.p.v. DK96 en DL96. Verbruik If = 200 mA. Fabricage Watzlar.

BX236B-97 = BX236B-63, echter met bereiken 40,5 – 136,4 m (7,4 – 2,2 MHz) en 13,54– 40,5 m (22 – 7,4 MHz). Geen MG. Gevoeligheden 35 en 90 µV i.p.v. 70 en 40 µV. Trifoil uitgangstrafo.

OPMERKINGEN - REMARKS

2. Batterijsnoer lengte buiten kast 40 cm.
3 en 4 als BX135B
4. Op KG bereiken hoge Q spoelen.

Uiterlijk en bediening als BX135B, echter met golflengteschakelaar op rechter zijwand.

Sorte: | Afl. %: | Richtl.pr.

Ontwikkeling: Eindhoven | Fabricage: Eindhoven

C.V.: 10109 | S.V.:

OPMERKING BEH–REM

GET.–DESS. GEZ.–DRAWN

ONTVANGER RECEIVER 55 /56

SPECIFICATIE SPECIFICATION

TYPE

GRONDTYPE BX236B-63

BL. P.–SH. 41

DAT. 9-3-56

VERV.–REMP. ERS.–SUPERS.

DAT. 26-11-55

N.V. PHILIPS' GLOEILAMPENFABRIEKEN EINDHOVEN, HOLLAND – HOOFDINDUSTRIEGROEP APPARATEN

PHILIPS

SERVICE NOTES

for the receiver

BX 236 B–71

1955 — For battery supply

This receiver is equal to the BX236B-63-72 with the following exceptions:

Remove	B1	DK96	
	B4	DL96	
	R4	33.000 Ω	A9 999 00/33K
	R6	18.000 Ω	A9 999 00/18K
Add	B1	DK92	
	B4	DL94	
	R4	39.000 Ω	A9 999 00/39K
	R6	47.000 Ω	A9 999 00/47K

MW/EG

Printed in Holland

93 983 77.1.05

N.V. PHILIPS' GLOEILAMPEN-FABRIEKEN EINDHOVEN	**Service Information**	No. Ba95
		DATE 21-6-55
CENTRAL SERVICE DIVISION	GROUP: Apparatus ARTICLE: Radio TYPE: BX 236 B-71	WV/MZ

RE:

As the version -71 deviates so far from the other versions that it contains an other type of mixing and output valve, the directions for use added are not entirely correct, for in these directions for use are mentioned the DK96 and DL96. This should be altered for this version to DK92 and DL94.

Daar de -71 uitvoering in afwijking van de overige uitvoeringen een ander type meng- en eindbuis bevat, is de bijgevoegde gebruiksaanwijzing niet geheel juist. In deze gebruiksaanwijzing zijn namelijk de DK96 en DL96 vermeld. Men gelieve dit voor deze uitvoering te wijzigen in DK92 en DL94.

Puisque l'exécution -71 contrairement aux autres exécutions contient un autre type de tube mélangeur et de sortie, le mode d'emploi annexe n'est pas tout à fait correct parce que dans ce mode d'emploi ont été mentionnés le DK96 et le DL96. Pour cette exécution, il faut changer cela en DK92 et DL94.

Da die -71 Ausführung in Abweichung von den übrigen Ausführungen einen anderen Typ Misch- und Endröhre enthält, ist die beigegebene Gebrauchsanweisung nicht ganz richtig. In dieser Gebrauchsanweisung sind nämlich die DK96 und DL96 erwähnt. Sie wollen dies also für diese Ausführung in DK92 und DL94 ändern.

Ya que la ejecución -71 contrariamente a las demás ejecuciones contiene otro tipo de válvula mezcladora y de salida, el modo de empleo adjunto no es enteramente correcto, porque en este modo de empleo se mencionan la DK96 y DL96. Para esta ejecución sírvanse modificarlo en DK92 y DL94.

CENTRAL SERVICE DEPARTMENT

A. van Heulen.

Published by
THE CENTRAL SERVICE DIVISION
N.V. Philips' Gloeilampenfabrieken
Eindhoven

PHILIPS

SERVICE NOTES

for the receiver

BX236B-75-95

1955. For battery supply.

Controls.

At the left - battery switch + volume control.
At the right - tuning.
Right side panel.
Waverange switch.

Waveranges.

M.W. : 185 - 580 m (1622 - 517 kc/s)
S.W. : 25 - 93.8 m (12 - 3.2 Mc/s)

Valves.

B1 : DK96
B2 : DF96
B3 : DAF96
B4 : DL96

Loudspeaker.

Type 9742 Z (Z = 5 Ω).

I.F. : 452 kc/s.

Battery voltages.

Vb = 90 V
Vf = 1.5 V

Consumption.

Ia = 10 mA (90 V)
If = 125 mA (1.5 V)

Dimensions.

Width : 26.1 cm
Height : 17.4 cm
Depth : 13.7 cm

93 983 99.1.05

Printed in Holland

Trimming the receiver.

When trimming the rule is:
Volume control on maximum.
Connect a voltmeter via a trimming transformer to the additionnal loudspeaker terminals.
Unless otherwise stated, all signals are applied to the aerial socket.
After trimming, seal the cores and trimmers.
Now trim as follows:

I.F. circuits (unscrew cores of S10, S11, S12 and S13).				
Waverange	Tuning capacitor	Signal	Trim	Indication
M.W.	Minimum	452 kc/s via 33.000 pF to g3B1	S13, S12 S10, S11 S12	Max. output

When trimming the R.F. circuits, one makes use of the trimming points on the scale. Trimming point 1 is on the left side of the scale; here the position of the variable capacitor is minimum.
Trimming point 2 is at the right side of the scale.
Before starting to trim, it is necessary that the pointer is on the trimming point 1 on the dial with the variable capacitor at minimum.

R.F. circuits				
Waverange	Tuning capacitor	Signal	Trim	Indication
M.W.	1	1630 kc/s	C26, C5	Max. output
	2	550 kc/s	S9, S4	Max. output
S.W.	1	12.2 Mc/s	C7	Max. output
	2	3.3 Mc/s	S7, S2	Max. output

Replacement of parts.

Removing the chassis from the cabinet.

1. Remove the rear panel and the knobs.
2. Remove the switch lever at the right side panel by removing a spring clip at the inner side.
3. Loosen the chassis fixing by removing the two screws at the rear side.
4. Loosen the loudspeaker fixing by unscrewing the two screws.

Drive.

If the original output transformer becomes defective it must be replaced by the service standard transformer mentionned in the electrical parts list.
For connections see fig.5.

Output transformer.

If the original outputtransformer becomes defective it must be replaced by the service standard transformer mentioned in the electrical parts list.
For connections see fig.5.

LIST OF PARTS

When ordering, always quote:

1. Code number.
2. Description and colour.
3. Type number of the set.

Description	Code number
Cabinet	A3 750 59.0
Knob	A3 738 49.0
Spring in driving drum	A3 646 57.0
Slide for waverange switch	P4 380 92/19
Leaf spring	A3 650 50.0

MW/MZ

BX 236 B-75, -95

S1)			A3 119 58.0
S2)			
S3)			A3 125 35.0
S4)			
S5			A3 119 59.0
S6)			A3 119 57.0
S7)			
S8)			A3 125 72.0
S9)			
S10)			
S11)			
C10)	110	pF	A3 126 84.0
C11)	195	pF	
S12)			
S13)			
C14)	110	pF	A3 126 84.0
C15)	195	pF	
S14)			
S15)			A3 169 16.0
C2	12-500	pF)	
C3	12-500	pF)	49 001 56.1
C4	2,2	pF	A9 999 04/2E2
C5	25	pF	A9 999 07/2E-25E
C6	3900	pF	A9 999 04/3K9
C7	10	pF	A9 999 04/10E
C8	120	pF	A9 999 04/120E
C9	47	pF	A9 999 04/47E
C10	110	pF)	See coils
C11	195	pF)	Voir bobines
			Vease bobinas
C12	4700	pF	A9 999 06/47K
C13	1,5	pF	A9 999 04/1E5
C14	110	pF)	See coils
C15	195	pF)	Voir bobines
			Vease bobinas
C16	8	µF	A9 999 11/L8
C17	56	pF	A9 999 04/56E
C18	1000	pF	A9 999 06/1K
C19	47000	pF	A9 999 06/47K
C20	2700	pF	A9 999 06/2K7
C21	4700	pF	A9 999 06/4K7
C22	25	µF	A9 999 11/G25
C25	475	pF	A9 999 07/360E-575E
C26	30	pF	28 212 36.4
C27	68	pF	A9 999 04/68E

R1	0,1	MΩ	A9 999 00/100K
R2	27000	Ω	A9 999 00/27K
R4	39000	Ω	A9 999 00/39K
R5	1,5	MΩ	A9 999 00/1M5
R6	12000	Ω	A9 999 00/12K
R7	56000	Ω	A9 999 00/56K
R8	0,45	MΩ)	A9 999 16/
R9	0,05	MΩ)	DL50K+450K
R10	4,7	MΩ	A9 999 00/4M7
R11	2,7	MΩ	A9 999 00/2M7
R12	1	MΩ	A9 999 00/1M
R13	1,8	MΩ	A9 999 00/1M8
R14	560	Ω	A9 999 00/560E
			MW/MZ