

MATRIX

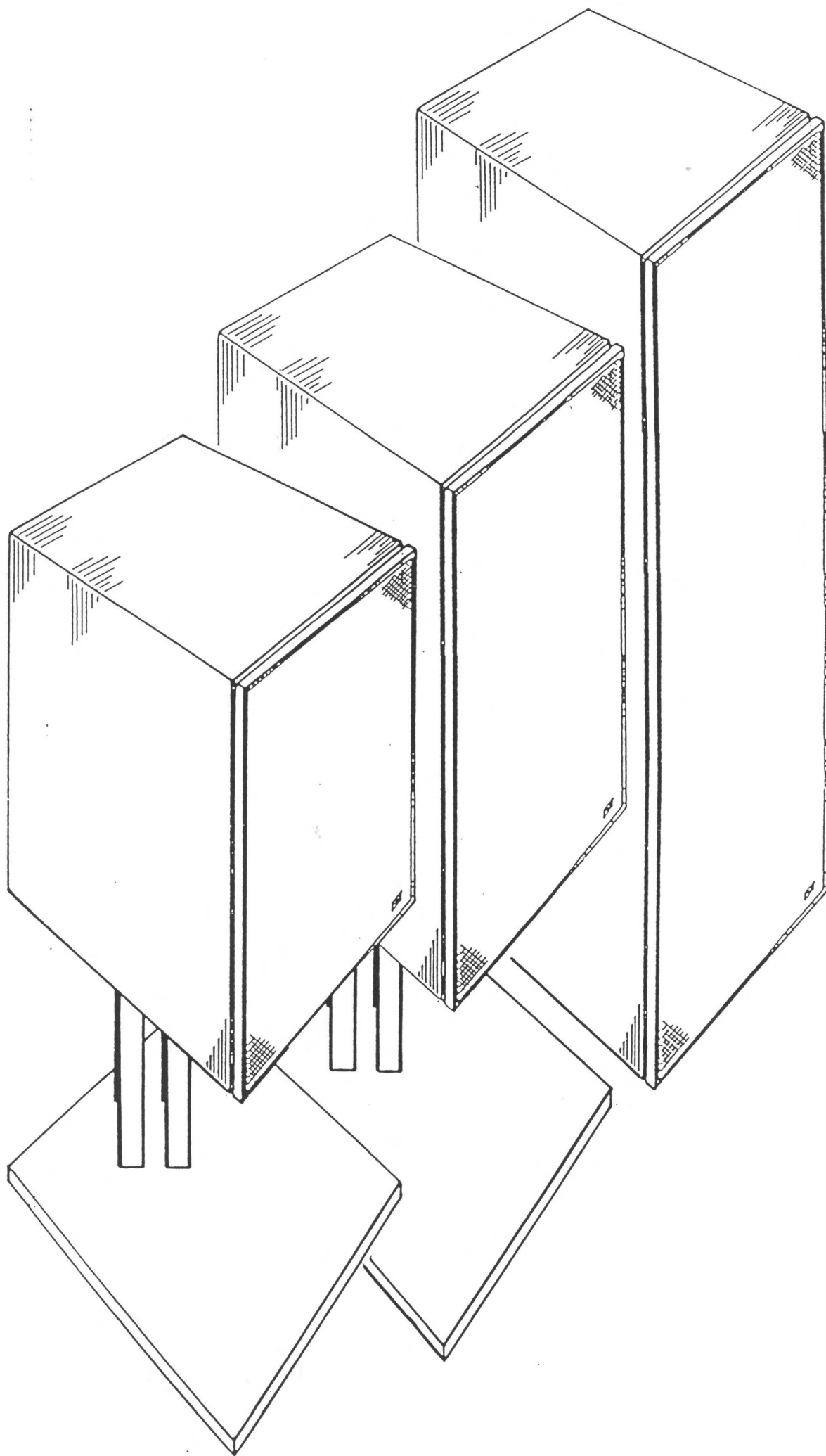
SERIES 1



SERVICE MANUAL



LISTEN AND YOU'LL SEE



TWEETER PLATE REMOVAL

1. Find the Paper Clip as supplied and form into shape as drawn
SEE FIG 1.



FIG 1.

2. Find $\emptyset 1\text{mm}$ holes in tweeter plate screw covers, insert clip SEE FIG 2..
Pull out screw cover SEE FIG 3.
3. Unscrew 4-off Pozzi-drive screws and remove tweeter
SEE FIG 4.
4. Before finally removing tweeter note wire position and mark on
tweeter accordingly.

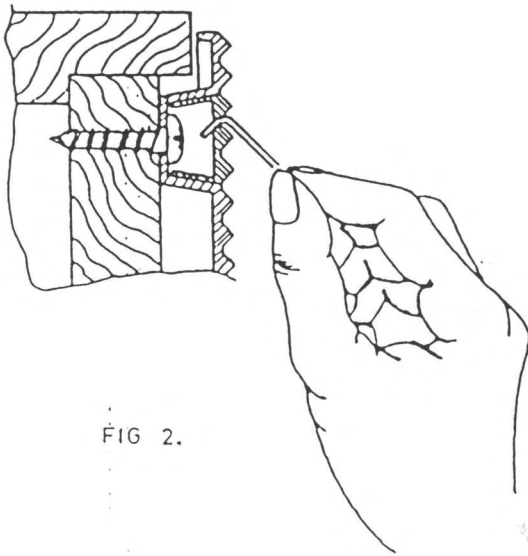


FIG 2.

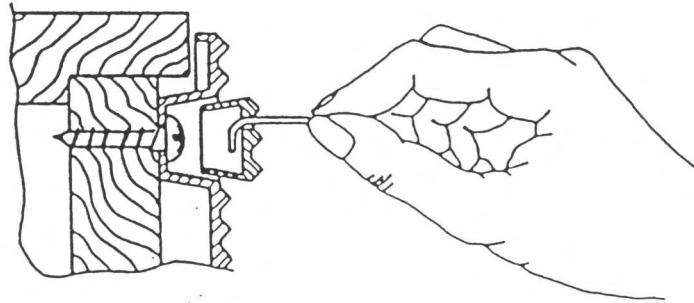


FIG 3.

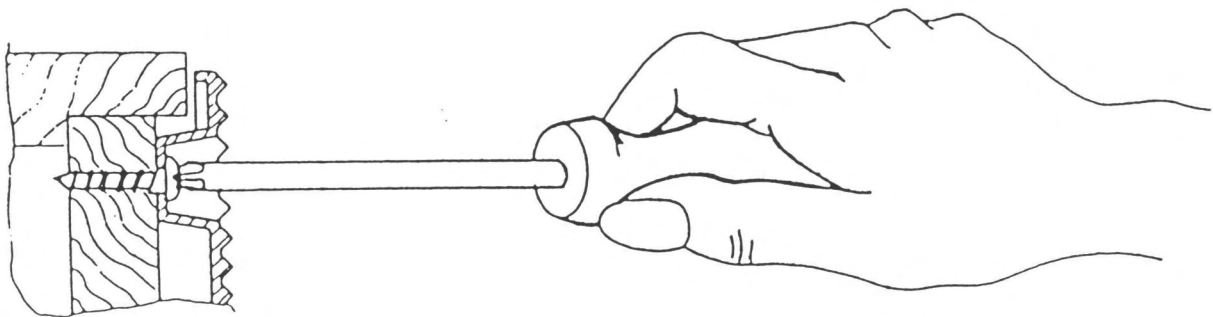


FIG 4.

BASS DRIVER REMOVAL

1. Carefully remove trim ring SEE FIG 1.

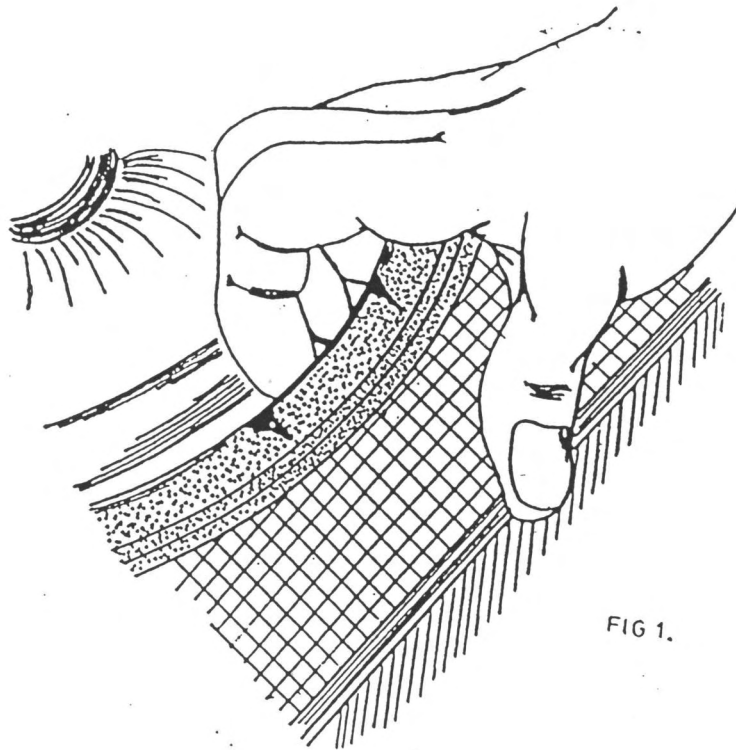


FIG 1.

2. Unscrew Pozidrive screws and ease bass driver away from cabinet.
3. Before finally removing unit note wire position and mark on accordingly.
4. To replace unit reverse procedure. Glue trim ring in position with contact adhesive or clear solvent adhesive E.G. clear BOSTIK. NOTE glue only on back step on trim ring. SEE FIG 2.

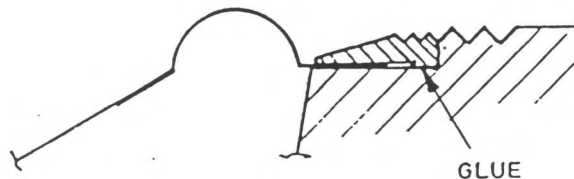


FIG 2

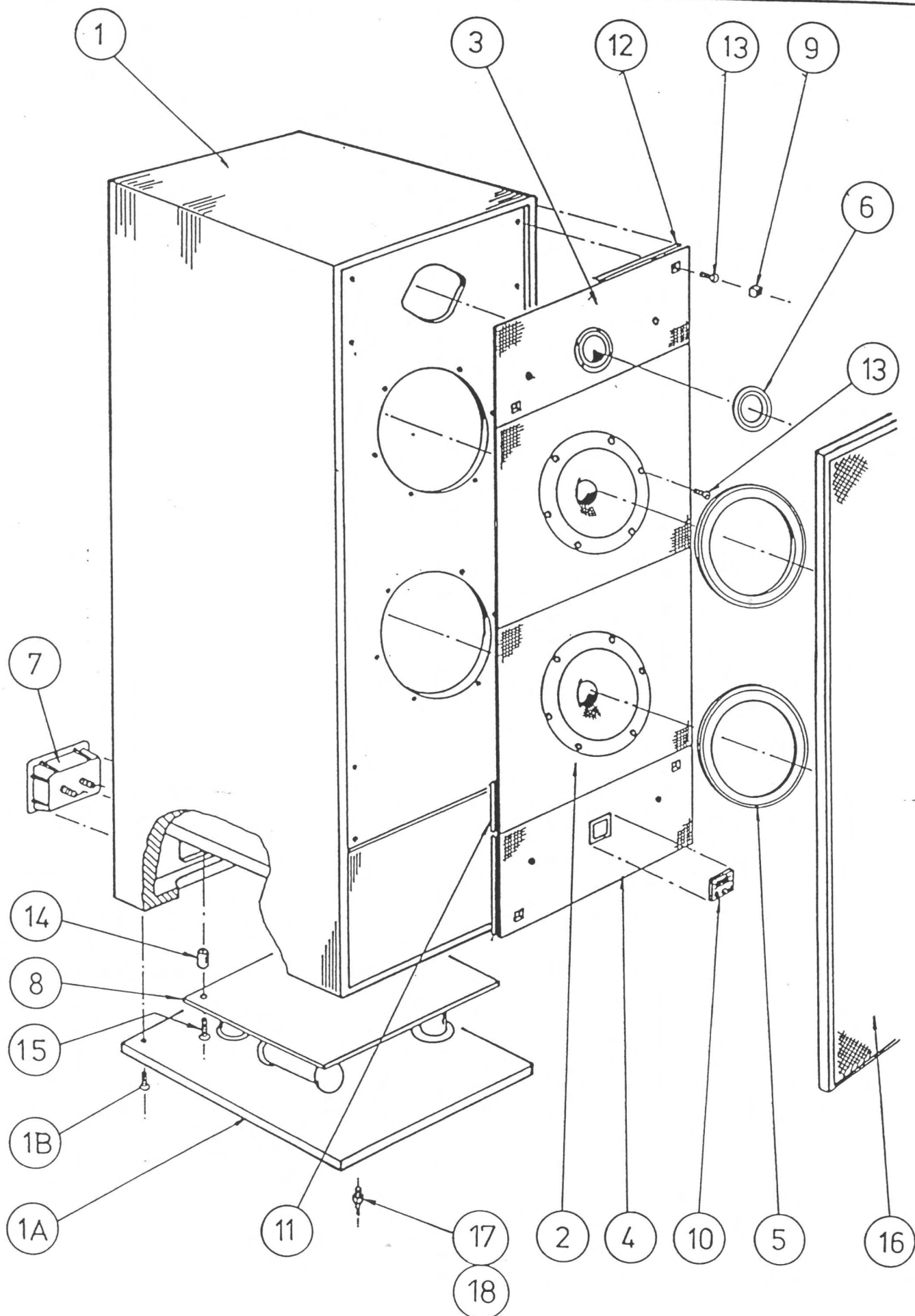
B & W Loudspeakers Ltd.

TITLE	MATRIX SPEAKER SYSTEM
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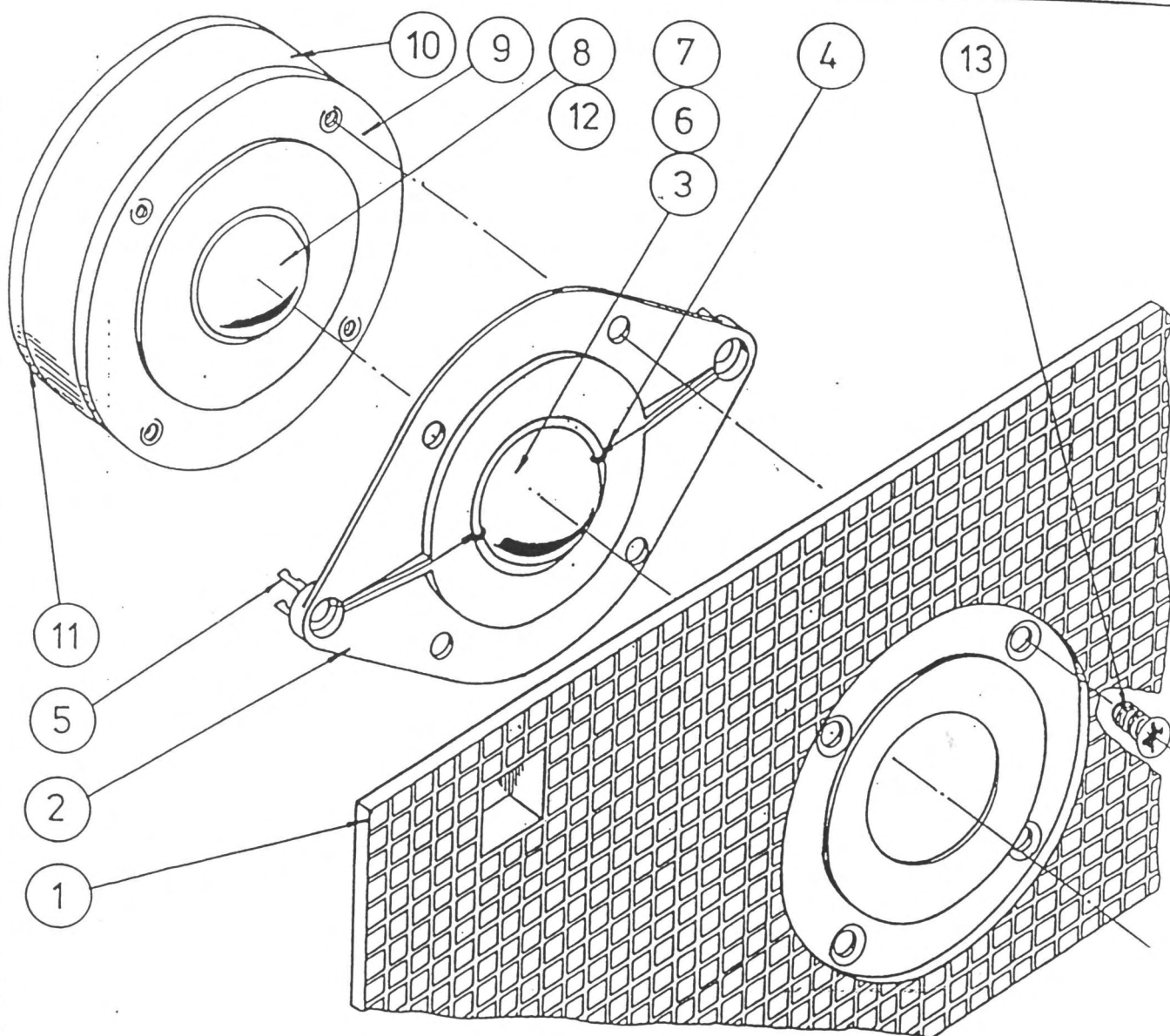
UNIT No.
MATRIX.3

DATA SHEET	
ISS. 1	DATE

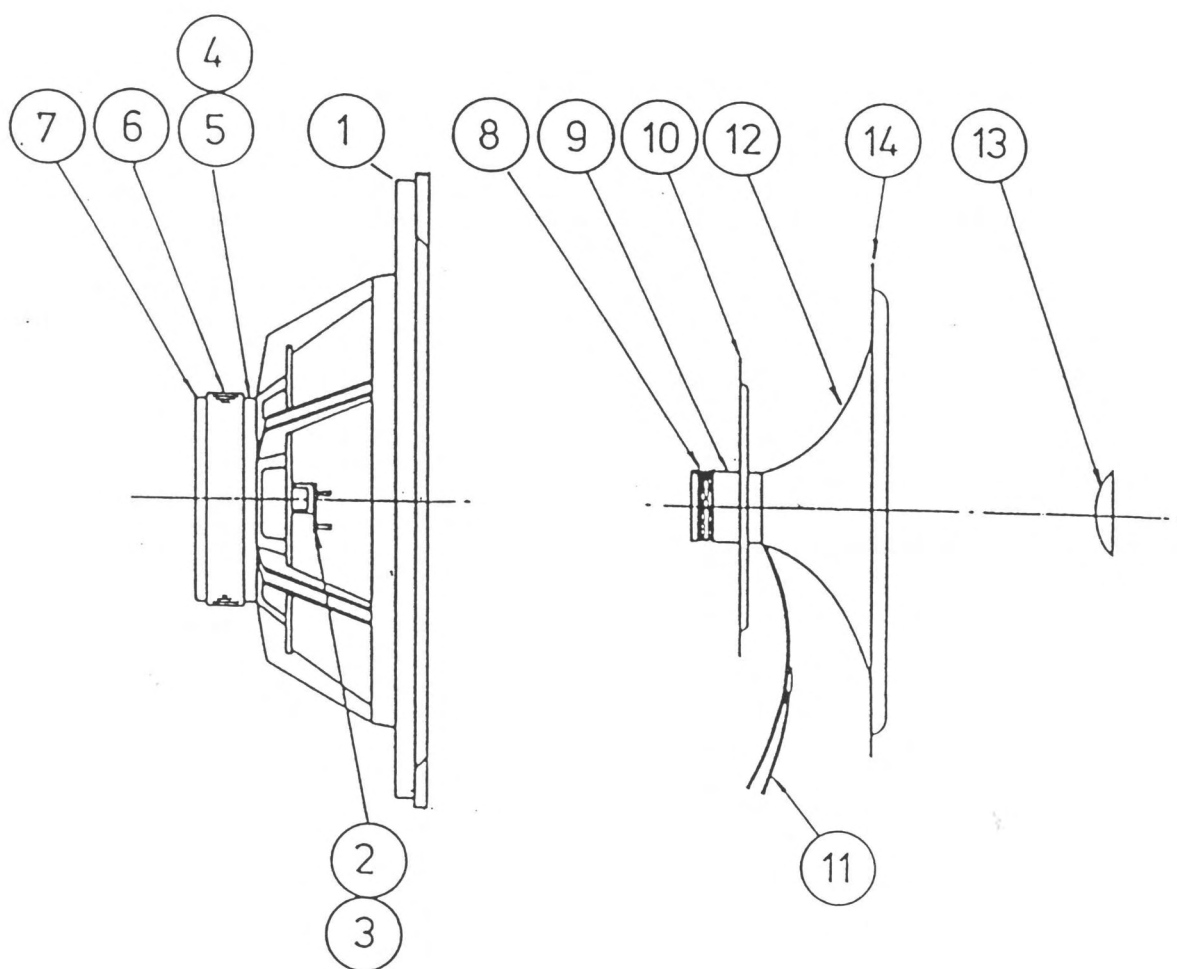
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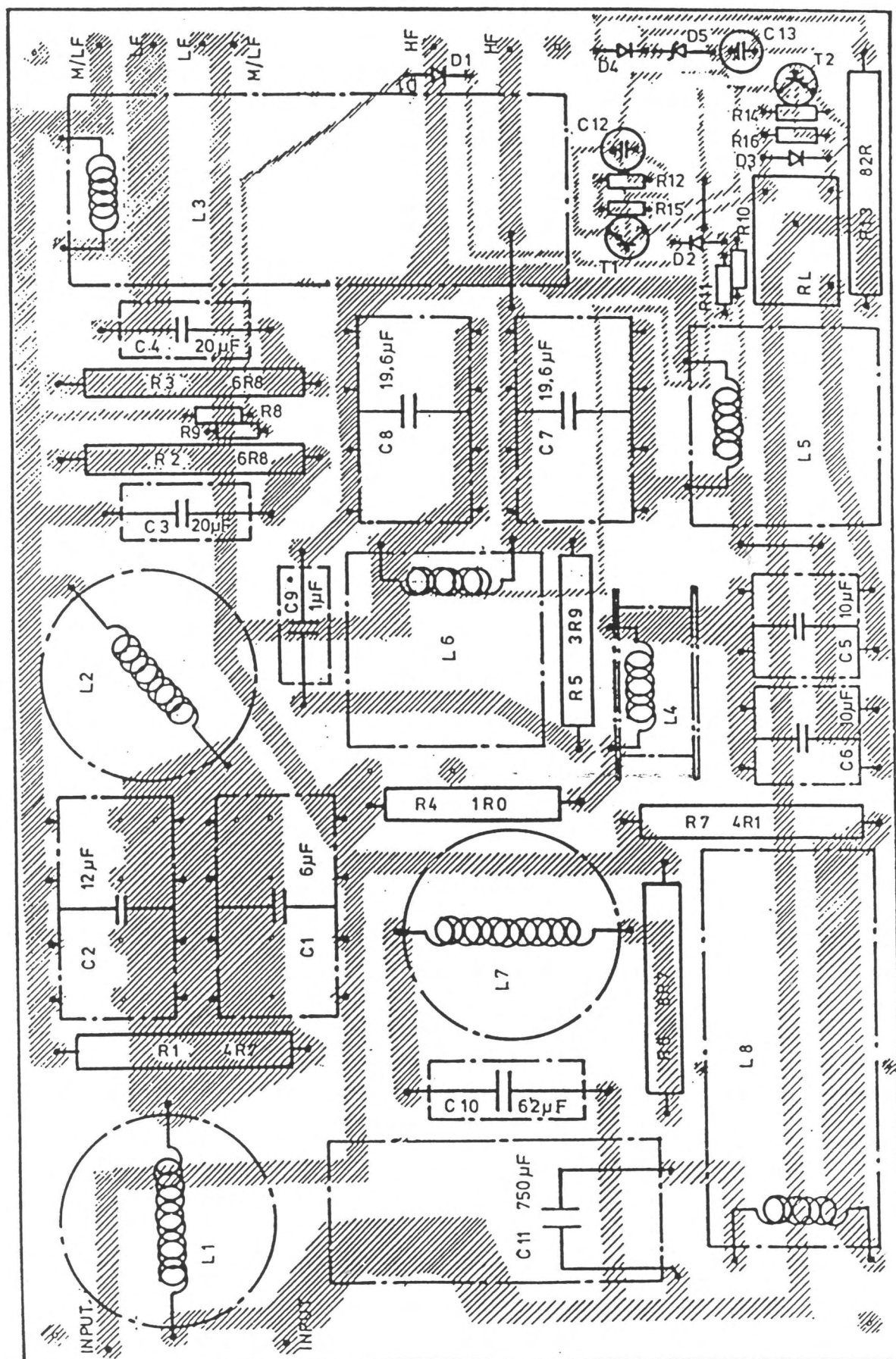
ITEM	QTY.	CODE No.	DESCRIPTION	DRG N°
			COMPLETE ASSEMBLY - WALNUT	
			COMPLETE ASSEMBLY - BLACK ASH	
1	1		CABINET ASSEMBLY CABINET AND ACCESSORIES - WALNUT CABINET AND ACCESSORIES - BLACK ASH CABINET - WALNUT CABINET - BLACK ASH	C 1161
	1		MATRIX ASSEMBLY	
1A	1		FOAM BLOCK	
1B	6		BASE PLATE POSZI CSK HD SCREW	
2	2		BASS ASSEMBLY	
3	1		TWEETER ASSEMBLY	
4	1	BW024	BLANK PLATE	B 1178
5	2	RL412	BASS COVER RING	B 1158
6	1	RW410	TWEETER COVER RING	A 1166
7	-	ZZ 785	TERMINAL TRAY ASSEMBLY	
-	1	TW 017	TERMINAL TRAY	
-	1	TL 052	RED TERMINAL	B 1170
-	1	TL 053	BLACK TERMINAL	
8	1		CROSSOVER PCB ASSEMBLY	A 1214
9	8	PL 219	SCREW COVER CAP	A 1168
10	1	BW 017	B & W NAME PLATE	A 1167
11	2	GL 018	GASKET (BASS UNIT)	A 1006
12	2	GW 028	GASKET (TWEETER & BLANK PLATE)	A 1176
13	20	HW 011	POSZI PAN HD SCREW	
14	6	FL 051	SPACER	
15	6	HW 023	POSZI PAN HD SCREW	
16			GRILLE ASSEMBLY	C 1163
	1		FRAME	
	1		BOARD	
	1		COVER	
	4	PW 560	ELLON FASTENER	
	1	BW 002	B & W LOGO	
17	4		FLOOR SPIKE	A 1211
18	4		FEET	



ITEM	QTY.	CODE No.	DESCRIPTION	DRG N°
			TWEETER UNIT-COMPLETE ASSEMBLY	
	1	CW 842	FRONT PLATE	C 1164
			DIAPHRAGM, COIL AND MOUNTING PLATE ASSEMBLY	
2	1	DL 082	MOUNTING PLATE for DIAPHRAGM AND COIL	A 968
3	1	DL 079	DIAPHRAGM	
4		SL 331	SLEEVING	
5	2	TL 065	BRASS TAG	
6	-		COPPER WIRE	
7	1	CL 675	COIL FORMER TUBE	
			MAGNET ASSEMBLY	
8	1	DL 040	FELTED DOME	
9	1	PL 015	TOP PLATE	A 585
10	1	ML 007	MAGNET	
11	1	PL 016	BACK PLATE AND POLE PIECE ASSEMBLY	A 590
12	-	AL 049	FERRO FLUID	
13	4	HI 136	COUNTERSUNK HEAD SCREW	



ITEM	QTY.	CODE No.	DESCRIPTION	DRG No
			BASS/MID - RANGE ASSEMBLY	
			MAGNET AND CHASSIS ASSEMBLY	
1	1	CL559	CHASSIS	C 1157
2	1	TL067	TAG PANEL	
3	1	HL105	SELF TAPPING SCREW	
4	3	HL135	M4 POZI-PAN HD SCREW	
5	1		FRONT PLATE	A 1017
6	1		MAGNET	
7	1		BACK PLATE	A 1209
			CONE AND COIL ASSEMBLY	
8	-		COPPER WIRE	
9	1		COIL FORMER	
10	1	SL062	REAR SUSPENSION	A 1010
11	2	TL176	TINSEL	
12	1	CW774	CONE	
13	1	DL015	DUST CAP	A 1210
14	1	SL104	SURROUND	



ITEM	QTY.	CODE N°	DESCRIPTION	DRG N°
C1	1		CAPACITOR 6,0 uF	
C2	1		" 12,0 uF	
C3	1		" 20,0 uF	
C4	1		" 20,0 uF	
C5	1		" 8,0 uF	
C6	1		" 10,0 uF	
C7	1		" 19,6 uF	
C8	1		" 19,6 uF	
C9	1	CL 005	" 1,0 uF	
C10	1		" 63,0 uF	
C11	1		" 600,0 uF	
C12	1	CL 130	" 47,0 uF	
C13	1	CL 131	" 100,0 uF	
D1	1	DL 050	DIODE IN4004	
D2	1	"	" IN4004	
D3	1	"	" IN4004	
D4	1	"	" IN4004	
D5	1	DL 051	" IN5352	
L1	1		INDUCTOR 0,7 mH	
L2	1		" 0,5 mH	
L3	1		" 10,0 mH	
L4	1		" 0,15mH	
L5	1		" 0,49mH	
L6	1		" 0,49mH	
L7	1		" 0,6 mH	
L8	1		" 19,5 mH	
R1	1		RESISTOR 4R7 7W	
R2	1		" 6R8 "	
R3	1		" 6R8 "	
R4	1	RL 150	" 1R0 "	
R5	1	RL 170	" 3R9 "	
R6	1		" 5R2 11W	
R7	1		" 4R1 11W	
R8	1		" 43K 0,4W	
R9	1	RL 003	" 3,3K "	
R10	1	RL 033	" 24K "	
R11	1	RL 003	" 3,3K "	
R12	1	RL 004	" 10K "	
R13	1	RL 200	" 82R 11W	
R14	1	RL 004	" 10K 0,4W	
R15	1	RL 004	" 10K "	
R16	1	RL 010	" 47K "	
T1	1	TL 200	TRANSISTOR 237A or BC 107 A	
T2	1	TL 201	" 307A or BC 177 A	
RL	1	RL 500	RELAY 6,0V 10,0A . 350,0	

