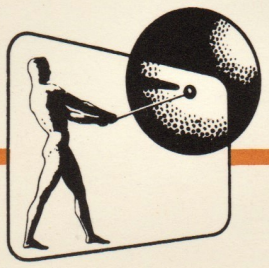
L.S.

Issue 1/158

GAUMONT-KALEE

LOUDSPEAKER ASSEMBLIES

MANUAL and SPARES LIST



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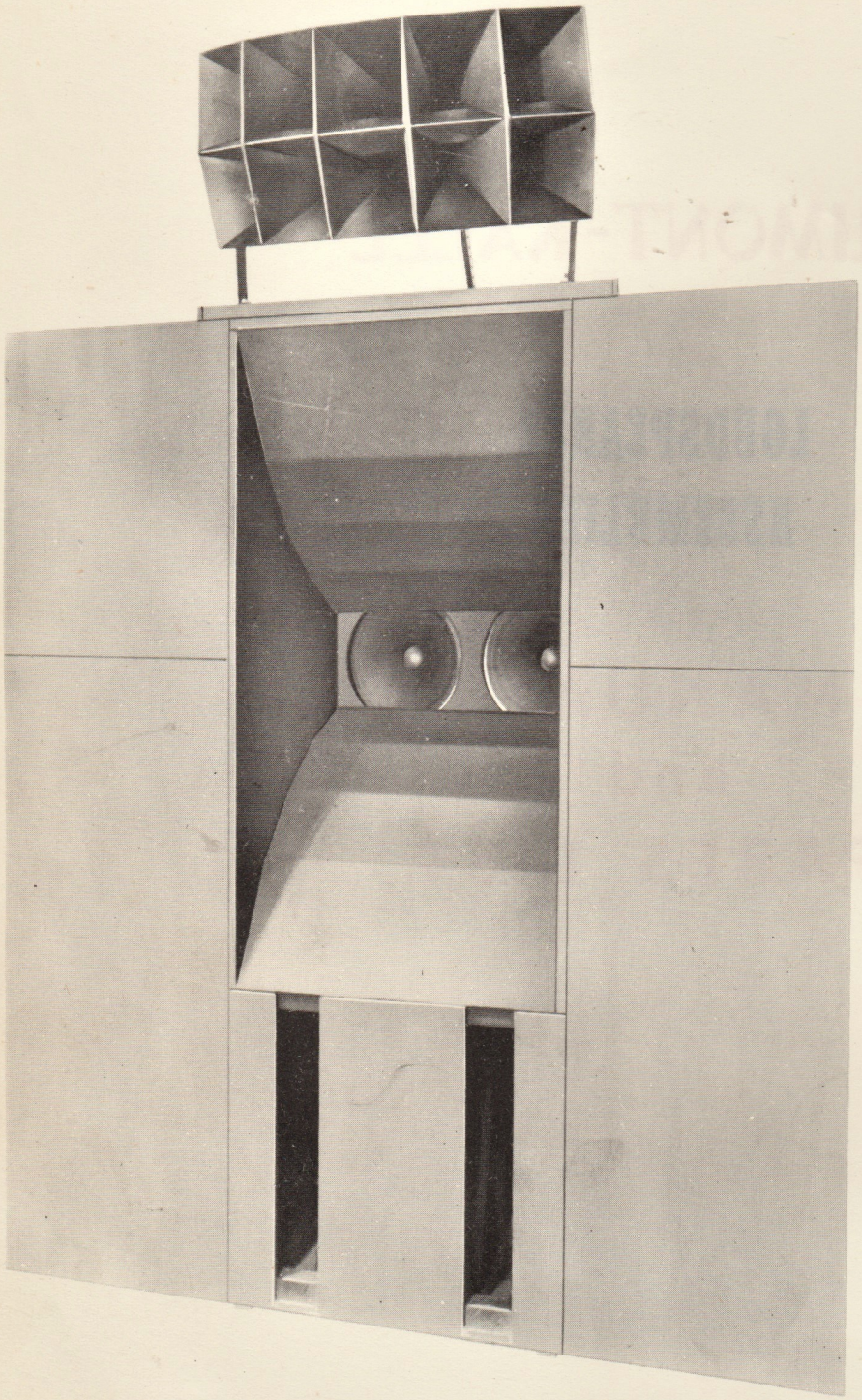

"DUOSONIC"

LOUDSPEAKERS

ENGINEERS' MANUAL

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LOUDSPEAKER ASSEMBLY TYPE 802

The smallest model, Type 802, in a number of ways is different in design from the larger models. The crossover frequency of the dividing network is 1800 c.p.s. and the L.F. reproducer is not mounted in a direct flare horn, but in a reflex cabinet, with no sound emanation from the back. The all metal multicellular H.F. horn, because of the comparatively high cross-over frequency, is of short overall length, 15in *(381mm)* including driving unit. This H.F. horn can only be supplied as a six cell single throated version for use with one H.F. unit. The permanent magnet H.F. unit is smaller than the type used on the larger loudspeaker assemblies. The diameter of its threaded throat is only 1¼in *(32mm)* against 2½in *(64mm)* for the large model. The 12in *(305mm)* L.F. unit is of the same permanent magnet type as employed in the No 1 Loudspeaker assembly.

The Type 802 Loudspeaker assembly has been specifically designed for use in small theatres, and the back to front dimension is the smallest that can be encompassed without sacrifice in performance. Access to the L.F. unit is obtained by a detachable panel on the side of the reflex cabinet.

The dividing network *(Part No 802003)* for the type 802 Loudspeaker assembly is positioned within the reflex cabinet, and access to it is by a detachable panel. This dividing network incorporates a frequency correcting device, having seven terminals and a wandering lead. The purpose of this unit is to modify the frequency response of the H.F. unit, thereby obtaining an approximation to the frequency response of the type 379 unit. Usually the best results are obtained with the wandering lead connected to terminal No 5. Listening tests should be carried out, however, to determine which position will give optimum results in any particular auditorium.

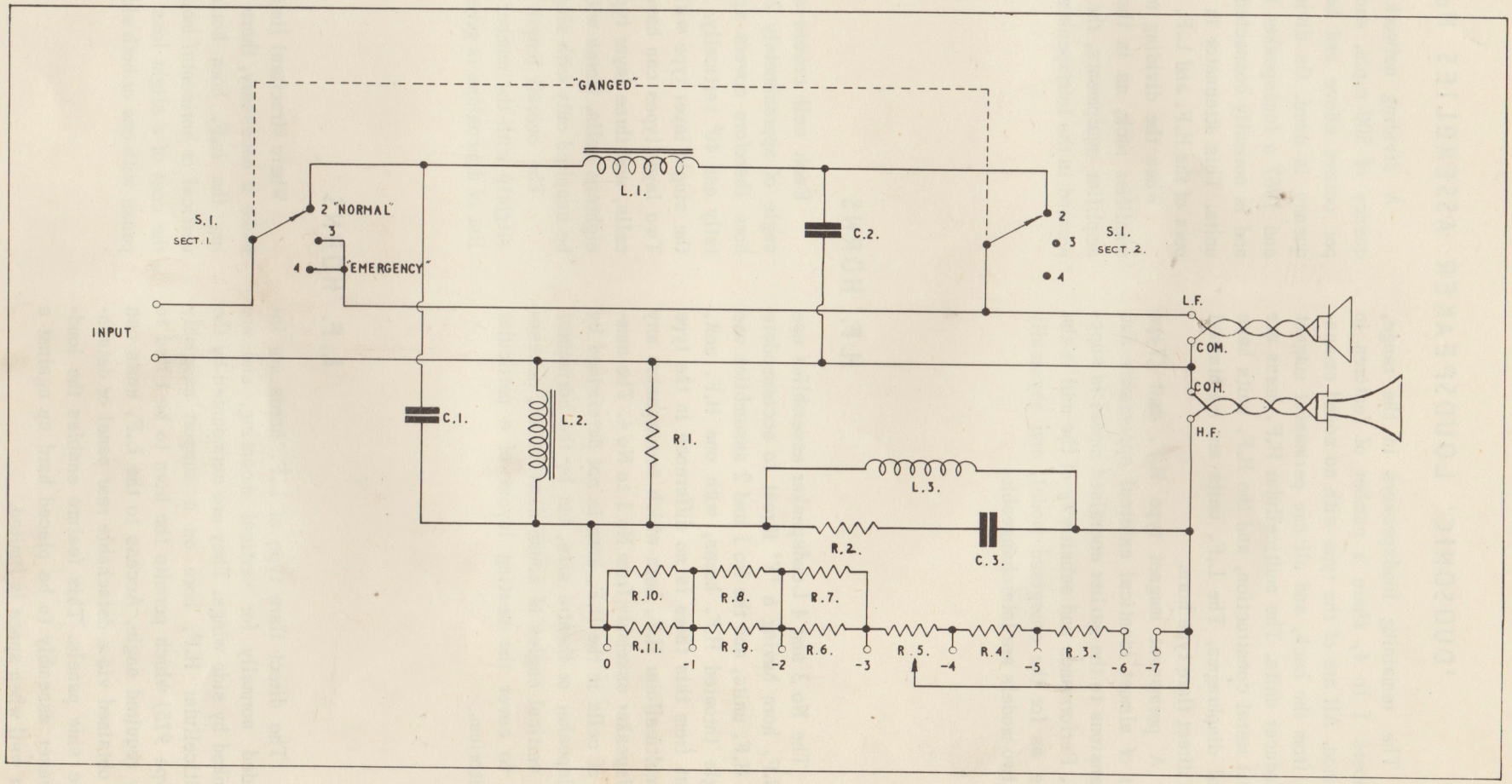
A switch marked 'N' *(Normal)*–'E' *(Emergency)* is provided, and in the 'Emergency' position the input to the H.F. unit is diverted, and all frequencies are reproduced through the L.F. unit. This enables the programme to be maintained without interruption should it be necessary at any time to change a H.F. unit. The knob controlling this emergency switch is located on the top of the reflex cabinet, sunk below the surface.

As in the larger models provision for tilting the H.F. horn is obtained by raising or lowering the rear of the horn on an adjustable clamping device.

Circuit Ref	*Description*	*Part No*
Resistors		
R.1	25 ohm	RWX 2250
R.2	22 ohm	REY 8220
R.3	68 ohm	REW 8680
R.4	33 ohm	REW 8330
R.5	22 ohm	REW 8220
R.6	33 ohm	REW 8330
R.7	33 ohm	REW 8330
R.8	22 ohm	REW 8220
R.9	22 ohm	REW 8220
R.10	10 ohm	REW 8100
R.11	10 ohm	REW 8100
Capacitors		
C.1	4 mFd	CXI 1407
C.2	4 mFd	CXI 1407
C.3	1 mFd	CZI 1405 *(Or CZI 2902)*
Chokes		
L.1	2.5 mH Choke	422,000
L.2	2.5 mH Choke	422,000
L.3	1.2 mH Choke	805,000
Switches		
S.1	Switch assembly	402,009

CIRCUIT OF LOUDSPEAKER ASSEMBLY TYPE 802

C.802,000



'DUOSONIC' LOUDSPEAKER ASSEMBLIES Nos. 1-4

The remaining loudspeakers in the range, Numbers 1 to 4, share a number of features in common. All are of the type with no sound emanation from the back, and all use permanent magnet reproducer units. The multicellular H.F. horns are of all metal construction, and the H.F. units have metal diaphragms. The L.F. units are maintained in a direct flare type horn.

A permanent magnet type H.F. unit *(Type 379)* of almost identical external appearance and dimensions to the earlier energised model is supplied. Performance and sensitivity of the unit is the same as for the energised model, and physically the two models are interchangeable.

A dividing network with a cross-over frequency of 500 c.p.s. and an attenuation of 12db per octave above and below the cross-over frequency is used. On dividing networks types 443 and 1067 a loudspeaker Balancing Unit is fitted, and is normally connected in circuit with the H.F. units. This attenuator is used to balance the outputs of the H.F. and L.F. units.

When the dividing network is fitted into the amplifier rack, as in the 30 watt single or dual amplifier equipments, the balancing unit is incorporated in the loudspeaker distribution box.

H.F. HORNS

The No 3 and 4 Loudspeaker assemblies use a H.F. horn having a 'Y' throat to accommodate two H.F. units, and the No 1 and 2 assemblies use single throated H.F. horns, with one H.F. unit. Apart from this there is no difference in the type of multicellular H.F. horn which accompanies any loudspeaker assembly from No 1 to No 4. The number of cells in the H.F. horn is not determined by loudspeaker or theatre size, but by the horizontal and vertical angles of sound distribution, necessary to cover the seating layout of a particular auditorium.

Each cell covers a horizontal and vertical angle of approximately 20°. An eight cell (4 x 2) horn therefore covers approximately 80° horizontally and 40° vertically. Horns can be supplied of the single layer type with from three to six cells. Two layer types can have a total of six to twelve cells, and three layer types can have from nine to eighteen cells. Horns with less than ten cells can be supplied only with single throats.

The overall length of the treble horn varies slightly with the number of cells, and a tabulated list of dimensions is given in Appendix. 'B'.

L.F. HORNS

The direct flare type of L.F. horns are intended normally for vertical mounting, and are flanked by side wings. They are surmounted by the multicellular H.F. horn on a support assembly *(Type 915)* which permits the horn to be tilted to any required angle. Access to the L.F. units can be obtained via a detachable rear panel or detachable side panels. This feature enables the loudspeaker assembly to be placed hard up against a rear wall when space is limited.

Where structural limitations behind the screen make it necessary, there is no objection to mounting the L.F. horn horizontally and with either vertical or horizontal mounting it is permissible at the cost of a slight loss in L.F. response, to dispense with one or both side wings.

No.1. LOUDSPEAKER ASSEMBLY

The No 1 Loudspeaker assembly employs two 12in *(305mm)* permanent magnet, moving cone loudspeaker units connected in *PARALLEL*, in a direct flare horn, and one type 379 driving unit for the multicellular H.F. horn.

Normally the single H.F. unit is shunted by a 20 ohm. resistor, incorporated in the dividing networks type 443 and 1067 or in the back stage loudspeaker distribution box when a rack-mounting dividing network *(Type 359)* is used.

No.2. LOUDSPEAKER ASSEMBLY

The No 2. Loudspeaker assembly has two 15in *(381mm)* permanent magnet moving coil loudspeaker units, connected in *SERIES* in a direct flare horn of larger dimensions than the No 1 assembly. One H.F. driving unit *(Type 379)* is used as in the No.1. Loudspeaker assembly.

No.3. LOUDSPEAKER ASSEMBLY

The No 3 Loudspeaker assembly uses two 15in *(381mm)* L.F. loudspeaker units, connected in *SERIES* in a direct flare horn of the same dimensions as in the No 2 Loudspeaker assembly. Two H.F. driving units *(Type 379)* connected in *PARALLEL* are used on a 'Y' throat multicellular horn. When two H.F. units are in use, it is necessary to disconnect the 20 ohm. resistor which is connected between 'H.F.' and 'Common' in the dividing network or back stage loudspeaker distribution box.

No.4. LOUDSPEAKER ASSEMBLY

The No 4 Loudspeaker assembly employs four 15in *(381mm)* L.F. loudspeaker units in a L.F. horn assembly which is virtually two of the direct flare horns used in the No 2 or No 3 loudspeaker assembly. The four L.F. units are connected in *SERIES-PARALLEL* and an impedance matching transformer *(Type 377)* ensures an accurate match with the power amplifier. The H.F. horn assembly is identical to that of the No 3 loudspeaker assembly.

Data on the physical dimensions and electrical characteristics of the various types is given in the appendices to this publication.

CONNECTIONS TO LOUDSPEAKER ASSEMBLIES

Connections between Loudspeaker assemblies and dividing networks should be made as follows:-

H.F. Units	L.F. Units
No.1. on Unit to COMMON on Dividing Network	No.1. on Unit to L.F. on Dividing Network
No.2. on Unit to H.F. on Dividing Network	No.2. on Unit to COMMON on Dividing Network

NOTE:- ON L.F. UNITS NOT HAVING NUMBERED TERMINALS, TERMINAL No.1 IS IDENTIFIED BY A 'RED' MARK.

APPENDIX 'A'

WEIGHTS and DIMENSIONS

Type of Loudspeaker	Height		Depth	Width		Approx. Weight complete
	L.F. Horn Only	Including H.F. Horn	Back to front	Less side wings	With side wings	
Type 802 No 1	5ft 1.524M 5ft 10in 1.778M	6ft 1.829M 8ft 4in 2.54M	1ft 6in 457mm 3ft 5in 1.041M	2ft 610mm 2ft 6in 762mm	4ft 8in 1.422M 6ft 6in 1.981M	3cwt 150Kg 7cwt 350Kg
No 2	7ft 2.134M	9ft 6in 2.896M	3ft 7in 1.092M	2ft 9in 838mm	6ft 9in 2.057M	8cwt 400Kg
No 3	7ft 2.134M	9ft 6in 2.896M	3ft 7in 1.092M	2ft 9in 838mm	6ft 9in 2.057M	8cwt 400Kg
No 4	7ft 2.134M	9ft 6in 2.896M	3ft 7in 1.092M	5ft 6in 1.676M	9ft 6in 2.896M	16cwt 800Kg

NOTE:- TYPE 802 Loudspeaker

Although the width dimension is stated less side wings, it is inadvisable to use the loudspeaker in this condition as some reduction in the L.F. response will result.

Nos. 1,2,3 and 4 Loudspeakers

The height dimensions including H.F. horn stated is for a three layer multicellular horn. The height with a two-layer horn would be 7in (203mm) less.

APPENDIX 'B'

DIMENSIONS OF MULTICELLULAR H.F.HORNS

Type of Horn	Height	Width	Length including H.F. Unit
Miniature 6 Cell	10in 254mm	15¼in 387 mm	18in 457 mm
Normal 8 Cell	16in 406mm	15¼in 387 mm	36in 914 mm
Normal 10 Cell	16in 406mm	36in 914 mm	38in 965 mm
Normal 12 Cell (6 x 2)	16in 406mm	42in 1.067M	39in 991 mm
Normal 12 Cell (4 x 3)	24in 610mm	32in 762 mm	39in 991 mm
Normal 15 Cell (5 x 3)	24in 610mm	36in 914 mm	40in 1.016M
Normal 18 Cell (6 x 3)	24in 610mm	42in 1.067M	42in 1.067M

APPENDIX 'C'

LOUDSPEAKER UNITS

Type	Energised or P.M.	Speech Coil	
		D.C.Resistance *(Ohms)*	Nominal Impedance *(Ohms)*
S.U.12 *(Ref No SPR/383)*	P.M.	12	15
379	P.M.	14	22
12in*(305mm)* L.F. *Part No 719010*	P.M.	13.5	15
15in *(381mm)* L.F. *Ref/No SP/131*	P.M.	2.75	4

APPENDIX 'D'

POWER HANDLING CAPACITY

Type of loudspeaker	Power Handling Capacity *(Watts)*	Auditorium Seating Capacity	No and Type of L.F.Units	Type of L.F. Horn	No and Type of H.F.Units
802	20	850	One 12in *(305mm) Part No 719050*	Reflex Cabinet	One *(Type SU. 12) (Ref No SPR 383)*
No 1	30	1200	Two 12in *(305mm) Part No 719050* In parallel	Direct Flare	One Type 379 *(Part No 379000)*
No 2	40	1500	Two 15in *(381mm) Ref No SP/131*	Direct Flare	One Type 379
No 3	60	2750	Two 15in *(381mm) Ref No SP/131*	Direct Flare	Two Type 379 In parallel
			In series		
No 4	80	4000	Four 15in *(381mm) Ref No SP/131* In series parallel	Direct Flare	Two Type 379 In parallel

Gaumont-Kalee Loudspeakers

Types 1611 & 1612

This Loudspeaker is the smallest in the Gaumont–Kalee range and has been specially designed for use with the GK 37 equipment. It is supplied either as a complete assembly *(Type 1611)* or as a kit *(Type 1612)* which requires manufacture locally of the bass cabinet.

The complete assembly comprises a reflex bass cabinet containing a 12in 305mm permanent magnet Loudspeaker, a three cell all metal multicellular horn driven by a permanent magnet pressure type unit, and a frequency dividing network.

The treble horn and its unit are mounted on an adjustable bracket. A frequency dividing network is fitted into the bass cabinet and access to all connections is by a removable cover. The 12in cone speaker gives a smooth response over the frequency range 50 cycles to 8,000 cycles, while the 3 cell horn H.F. unit provides wide angle distribution at the high frequencies.

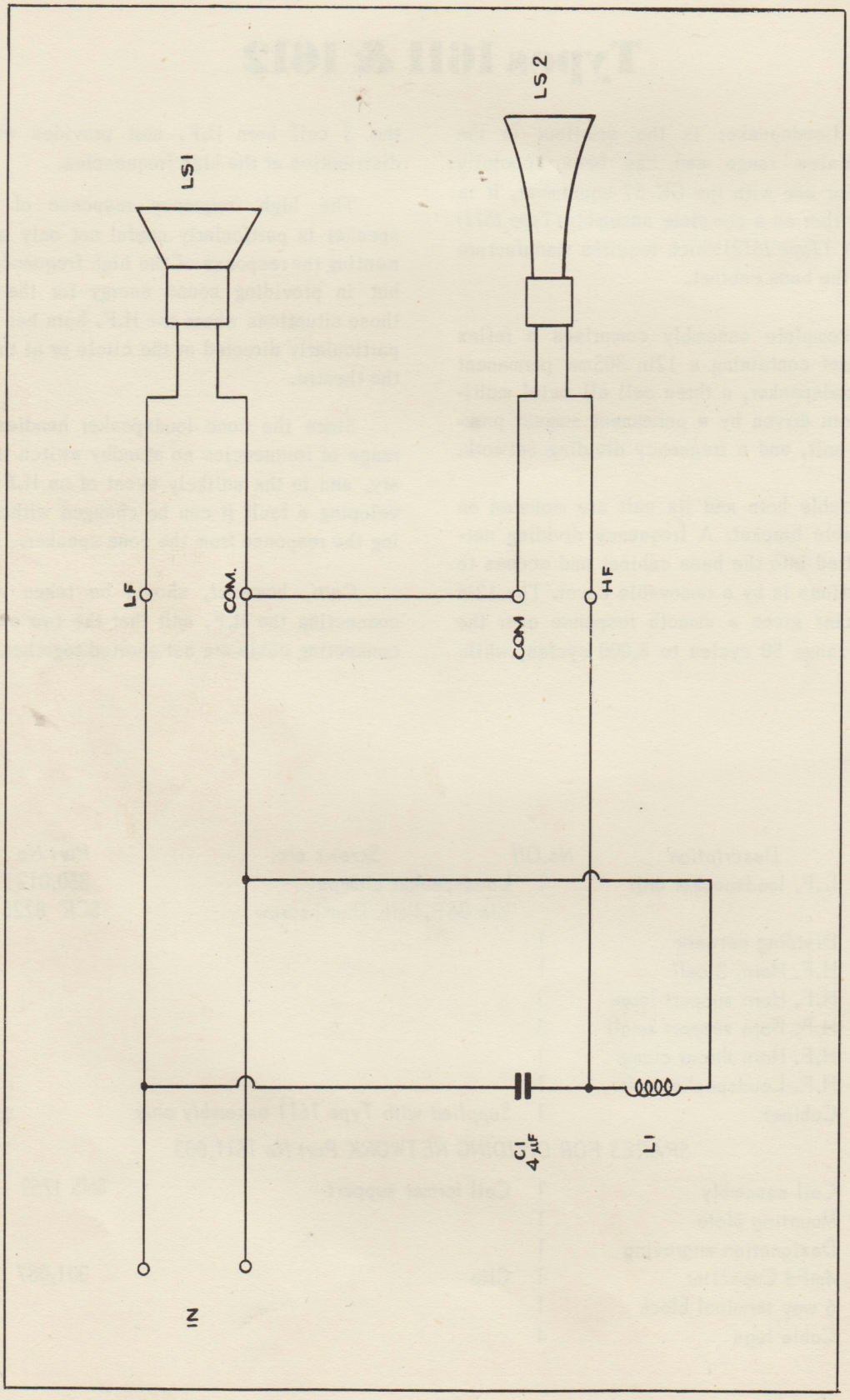
The high frequency response of the cone speaker is particularly useful not only in complementing the response of the high frequency speaker but in providing sound energy for the stalls in those situations where the H.F. horn has its sound particularly directed at the circle or at the back of the theatre.

Since the cone loudspeaker handles the full range of frequencies no standby switch is necessary, and in the unlikely event of an H.F. unit developing a fault it can be changed without affecting the response from the cone speaker.

Care, however, should be taken when disconnecting the H.F. unit that the two ends of the connecting cable are not shorted together.

Part No	*Description*	*No.Off*	*Screws etc.*	*Part No*	*No.Off*
978,050	L.F. loudspeaker unit	1	Loudspeaker clamps	350,012	3
			¼in BSF.1¼in Thumbscrew	SCR 8225	3
1611,003	Dividing network	1			
1611,005	H.F. Horn, 3 cell	1			
1611,007	H.F. Horn support large	3			
1611,008	H.F. Horn support small	3			
1611,009	H.F. Horn throat clamp	1			
1611,050	H.F. Loudspeaker unit	1			
1611,001	Cabinet	1	*Supplied with Type 1611 assembly only*		
	SPARES FOR DIVIDING NETWORK Part No 1611,003				
1611,004	Coil assembly	1	Coil former support	SNS 1759	1
1611,005	Mounting plate	1			
1611,011	Designation engraving	1			
CS. 0733	4mFd Capacitor	1	Clip	301,087	1
CLR.703	6 way terminal block	1			
118,042	Cable lugs	4			

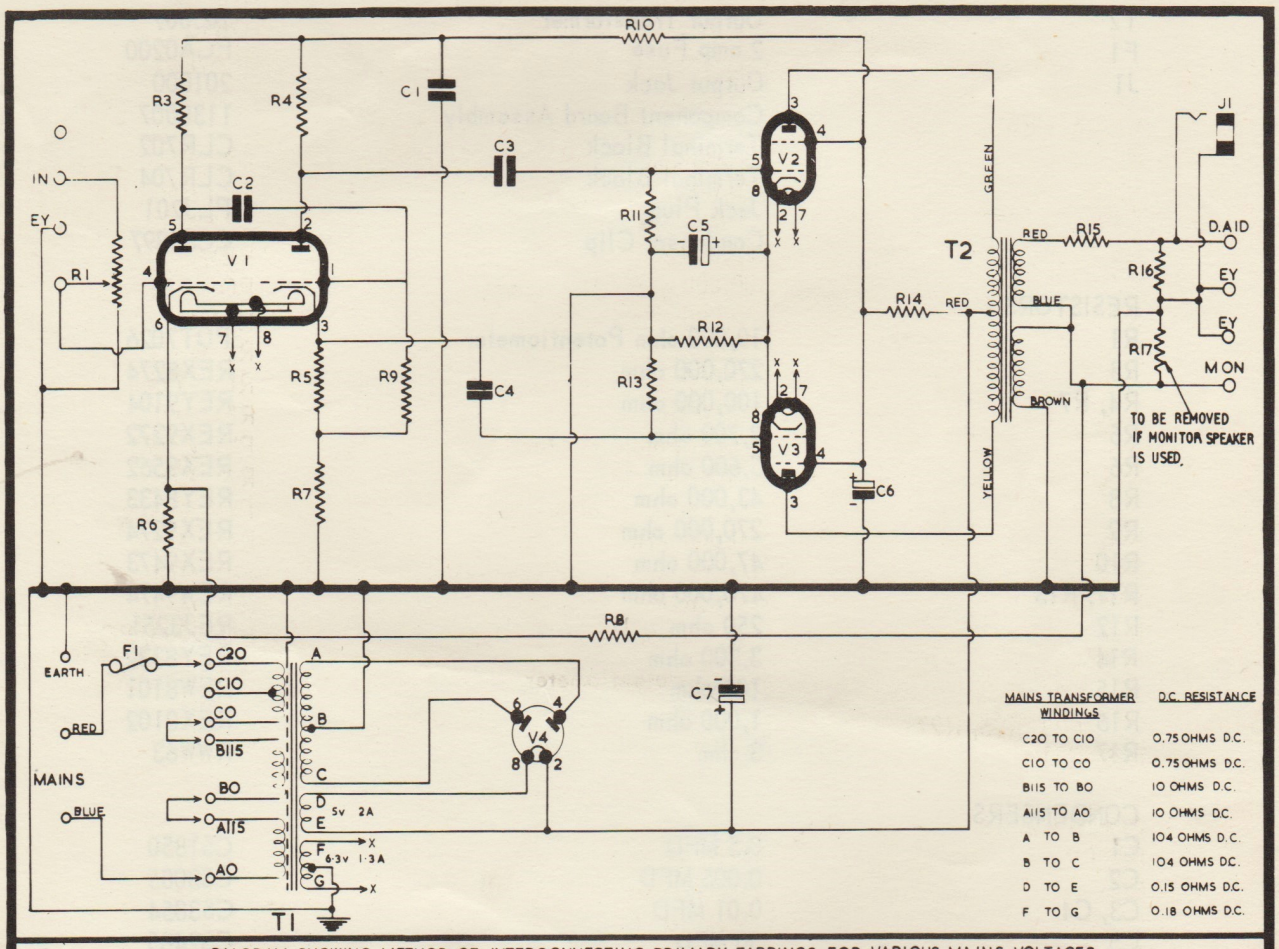
C, 1611,000



GAUMONT-KALEE

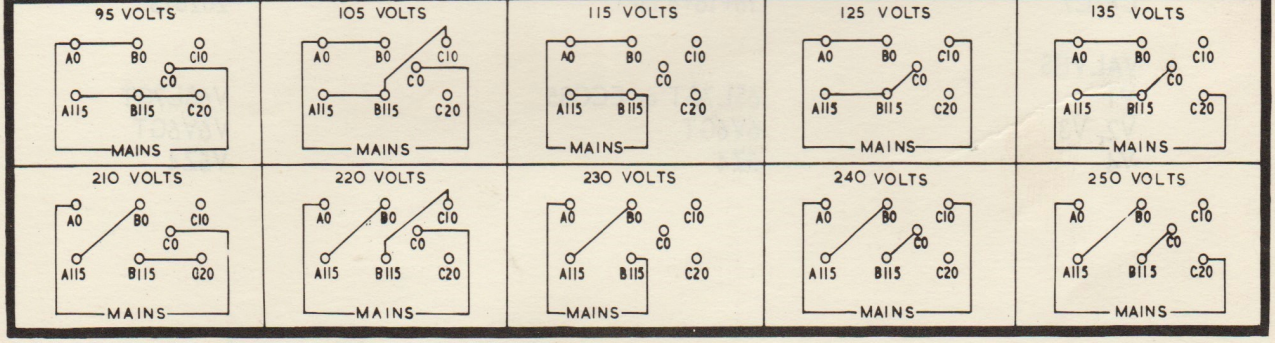
TYPE 1138

MONITOR DEAF AID UNIT



MAINS TRANSFORMER WINDINGS	D.C. RESISTANCE
C20 TO C10	0.75 OHMS D.C.
C10 TO CO	0.75 OHMS D.C.
B115 TO BO	10 OHMS D.C.
A115 TO AO	10 OHMS D.C.
A TO B	104 OHMS D.C.
B TO C	104 OHMS D.C.
D TO E	0.15 OHMS D.C.
F TO G	0.18 OHMS D.C.

DIAGRAM SHOWING METHOD OF INTERCONNECTING PRIMARY TAPPINGS FOR VARIOUS MAINS VOLTAGES

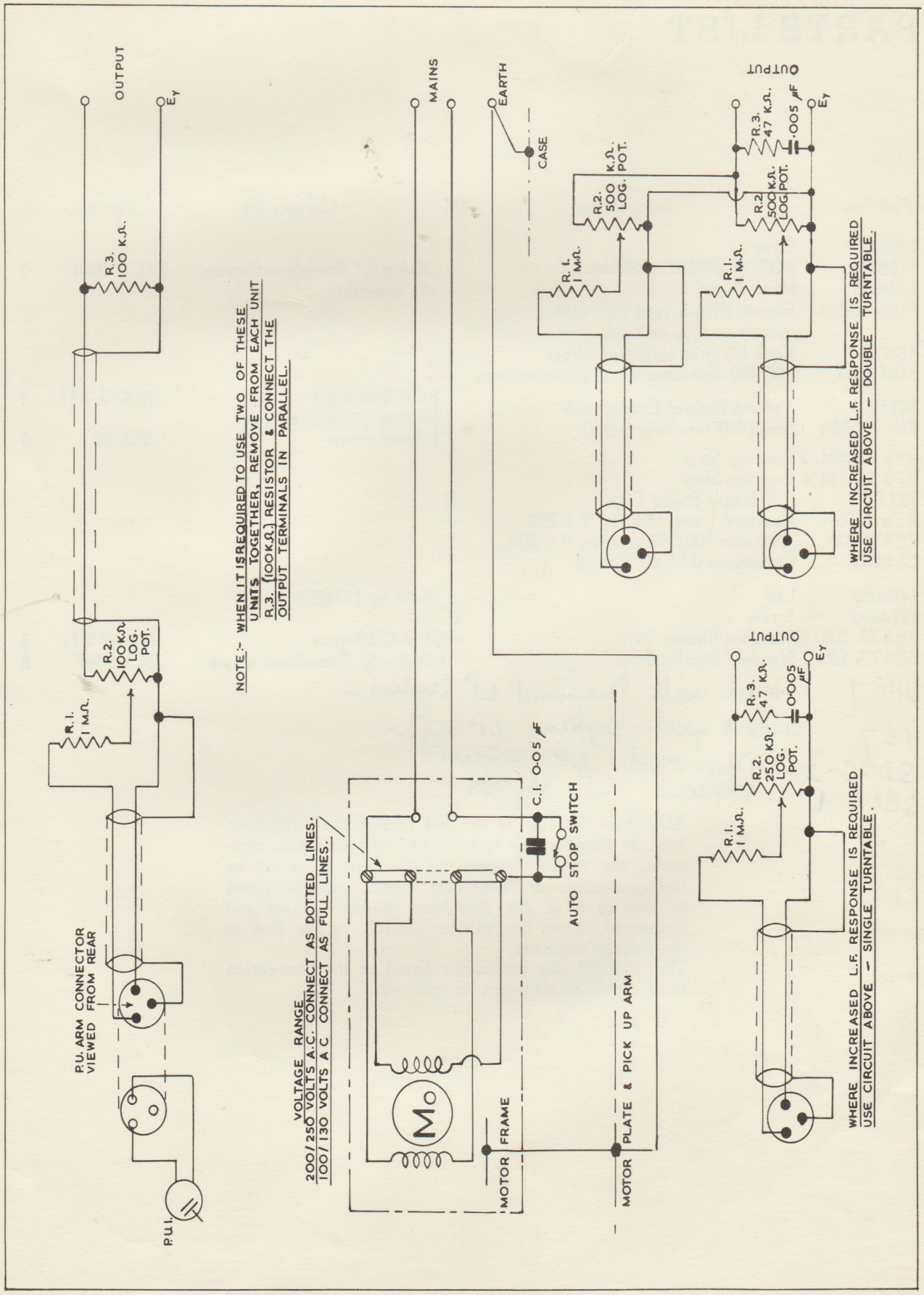


SPARE PARTS LIST

Component	*Description*	*Part No*
GENERAL		
T1	Mains Transformer	83700
T2	Output Transformer	103007
F1	2 amp Fuse	FCA0200
J1	Output Jack	201000
	Component Board Assembly	1138007
	Terminal Block	CLR702
	Terminal Block	CLR704
	Jack Plug	PLJ201
	Condenser Clip	CCS5897
RESISTORS		
R1	10,000 ohm Potentiometer	POT7026
R3	270,000 ohm	REX8274
R4, R7	100,000 ohm	REY9104
R5	2,700 ohm	REX9272
R6	5,600 ohm	REX9562
R8	43,000 ohm	REY8433
R9	270,000 ohm	REX9274
R10	47,000 ohm	REX9473
R11, R13	470,000 ohm	REW9474
R12	250 ohm	REJ3251
R14	3,300 ohm	REY8332
R15	100 ohm	REW8101
R16	1,000 ohm	REX8102
R17	3 ohm	RWW63
CONDENSERS		
C1	0.5 MFD	CS1850
C2	0.005 MFD	CS3085
C3, C4	0.01 MFD	CS3854
C5	50 MFD	CS2485
C6+C7	16+16+8 MFD	202073
VALVES		
V1	6SL7GT or ECC35	V6SL7GT
V2, V3	6V6GT	V6V6GT
V4	5Z4	V5Z4

GAUMONT-KALEE

4-SPEED NON-SYNC
RECORD PLAYER TYPE 1496



PARTS LIST

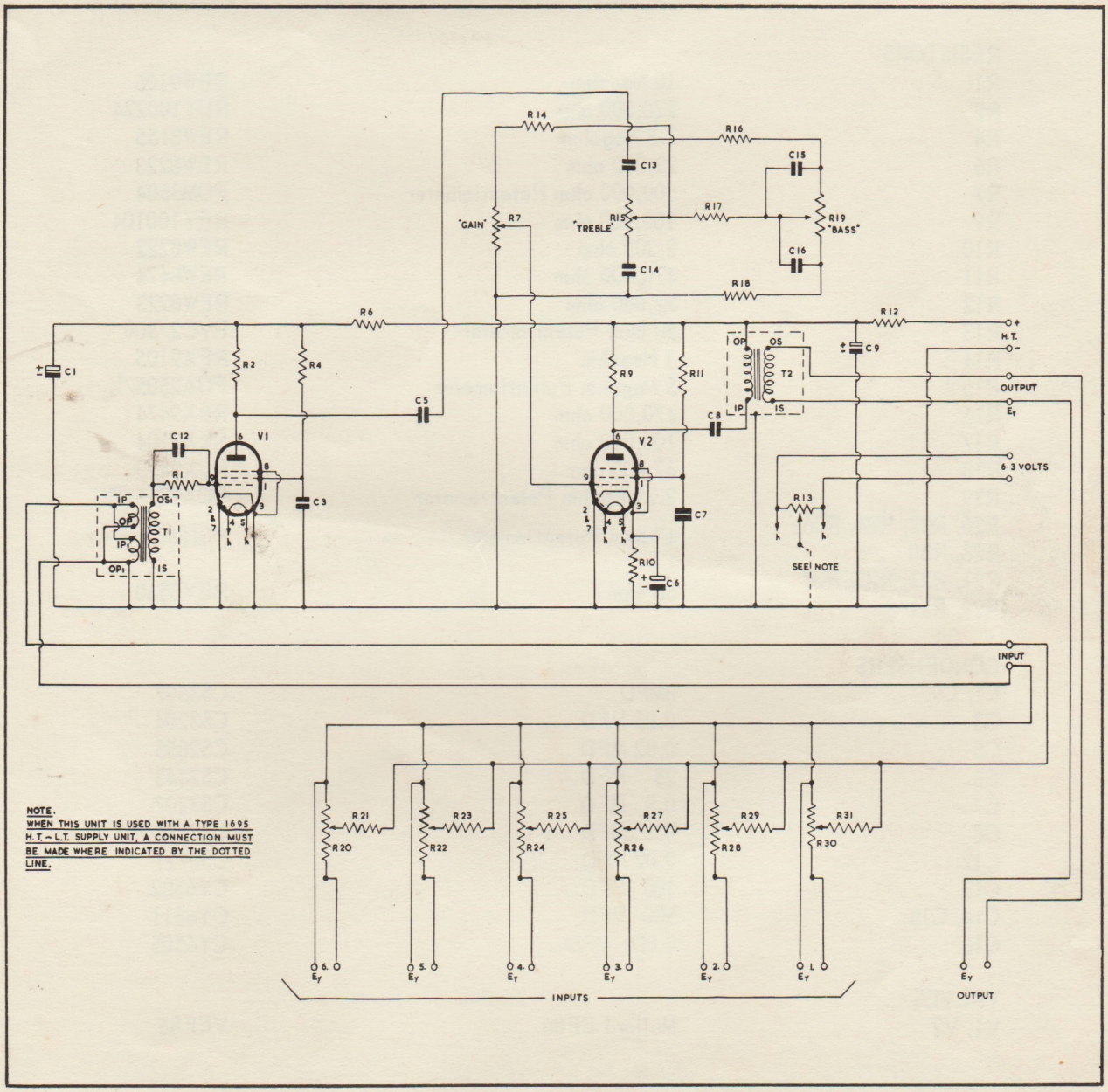
Part No.	Description	Qty	Screws etc	Part No.	Qty
1496004	Case	1			
1496001	MOTOR BOARD ASSEMBLY	1	2BA x ¼" Roundhead screw	SCX 2044	2
1496003	Motor Board	1	As assembly		
PUG/4SP/A	Record Player type 4SP with sonatone plug in head	1			
KBK 5	Knob K5 (For volume control)	1			
POM 4104	100,000 ohm logarithmic potentiometer	1			
1496006	Volume Control Escutcheon	1	6BA Oddie nut	NUO 2/6TI	1
EMI 20334A	Stand Off Insulator (6BA)	1	6BA x ⅜" Countersunk head screw	SCX 60	1
BFS 77/534/2	Fanning Strip	1			
BFS 77/534/4	Fanning Strip	1			
383,015	7/32" Single Ended Clip	2			
REW 9105	Resistor 1 meg ohm No. 9 ± 20%	1			
REW 9104	Resistor 100,000 ohm No. 9 ± 20%	1			
CS 3082	Condenser 0.05 mF CP37S	1			
1496005	Lid	1	Held by 1274006		
1274006	Screw	2			
BBS 77/508/4	Standard Barrier Strip	1	4BA Oddie nut	NUO 2/4TI	8
BBS 77/508/2	Standard Barrier Strip	1	4BA x ⅝" Roundhead screw	SCX 2087	8

NOTE:– When it is desired to use the 1496 Non-Sync in conjunction with an existing 78 r.p.m. turntable, the volume controls of the units must not be interconnected. A changeover switch must be fitted to the case of the Non-Sync. Record Player and connected, after the volume control, in the line to the voltage amplifier.
The 100,000 ohm resistance fitted to the connection strip should in all cases be removed.

GAUMONT-KALEE

TYPE 1764

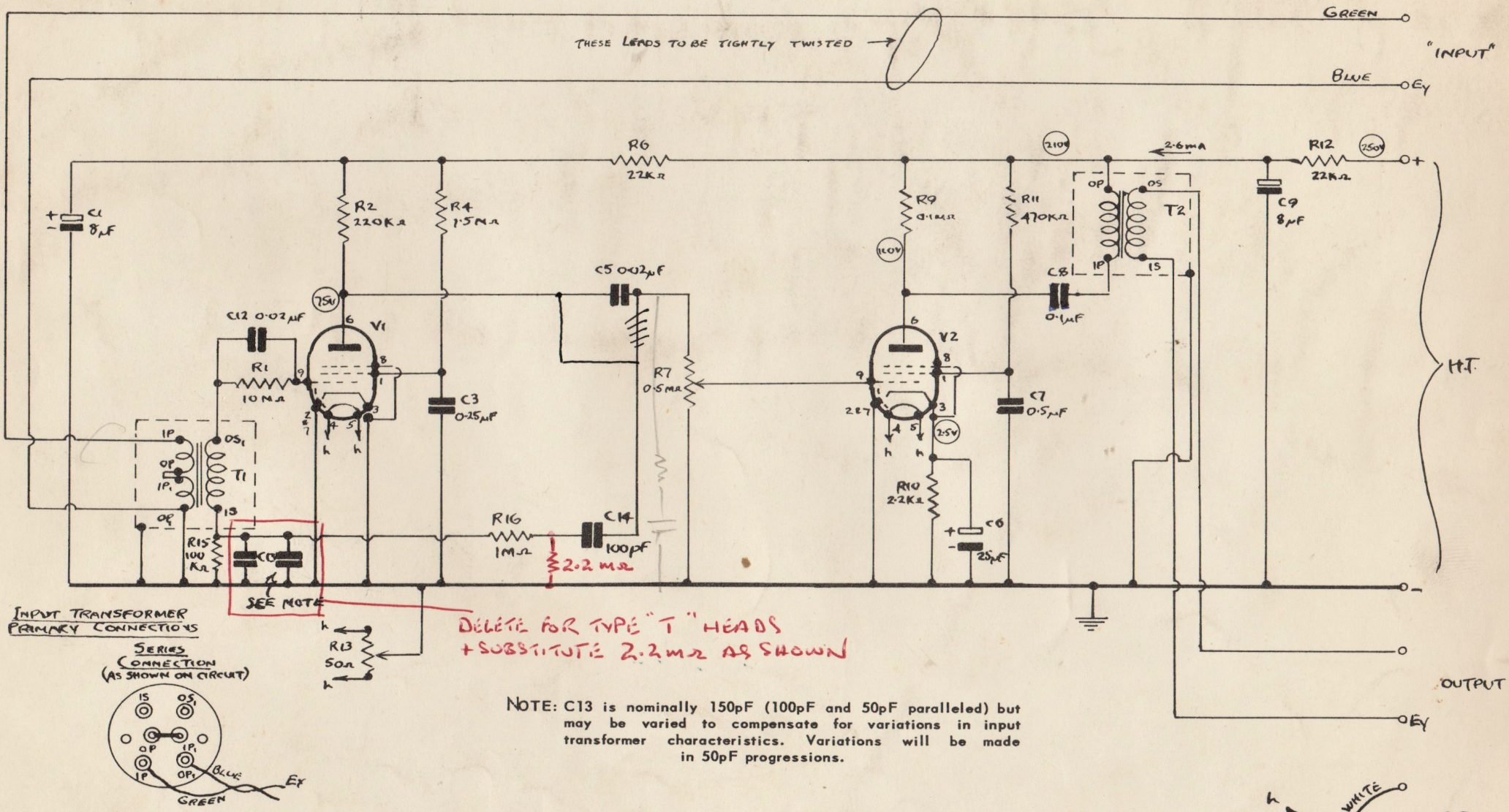
6-CHANNEL MIXER AND PRE-AMPLIFIER



NOTE.
WHEN THIS UNIT IS USED WITH A TYPE 1695 H.T. – L.T. SUPPLY UNIT, A CONNECTION MUST BE MADE WHERE INDICATED BY THE DOTTED LINE.

SPARE PARTS LIST

Component	Description	Part No
GENERAL		
T1	Input Transformer	904010
T2	Output Transformer	904011
	Insulator (fitted to Pre-amplifier Bracket)	202006
	14-way Terminal Block	CLR701
	Knob	M50383
	Component Board Assembly	1764009
	Pre-amplifier Assembly	1764050
	Condenser Clip	CCS7840
RESISTORS		
R1	10 Megohm	REW9106
R2	220,000 ohm	REY100224
R4	1.5 Megohm	REW8155
R6	22,000 ohm	REW8223
R7	500,000 ohm Potentiometer	POM3504
R9	100,000 ohm	REY100104
R10	2,200 ohm	REW8222
R11	470,000 ohm	REW8474
R12	22,000 ohm	REW8223
R13	50 ohm Potentiometer	PVC2/500
R14	1 Megohm	REX9105
R15	5 Megohm Potentiometer	POA2505/¾
R16	470,000 ohm	REX9474
R17	100,000 ohm	REX9104
R18	47,000 ohm	REX9473
R19	2.2 Megohm Potentiometer	POA2225/PC
R20, R22, R24, R26 R28, R30	47 ohm Potentiometer	P0105
R21, R23, R25, R27 R29, R31	56 ohm	REY8560
CONDENSERS		
C1, C9	8MFD	CS3607
C3	0.25 MFD	CS3204
C5	0.02 MFD	CS2855
C6	25 MFD	CS2443
C7	0.5 MFD	CS3207
C8	0.1 MFD	CS3086
C12	0.02 MFD	CS0721
C13	100 PFD	CY6502
C14, C15	500 PFD	CY6511
C16	0.005 MFD	CY6505
VALVES		
V1, V2	Mullard EF86	VEF86



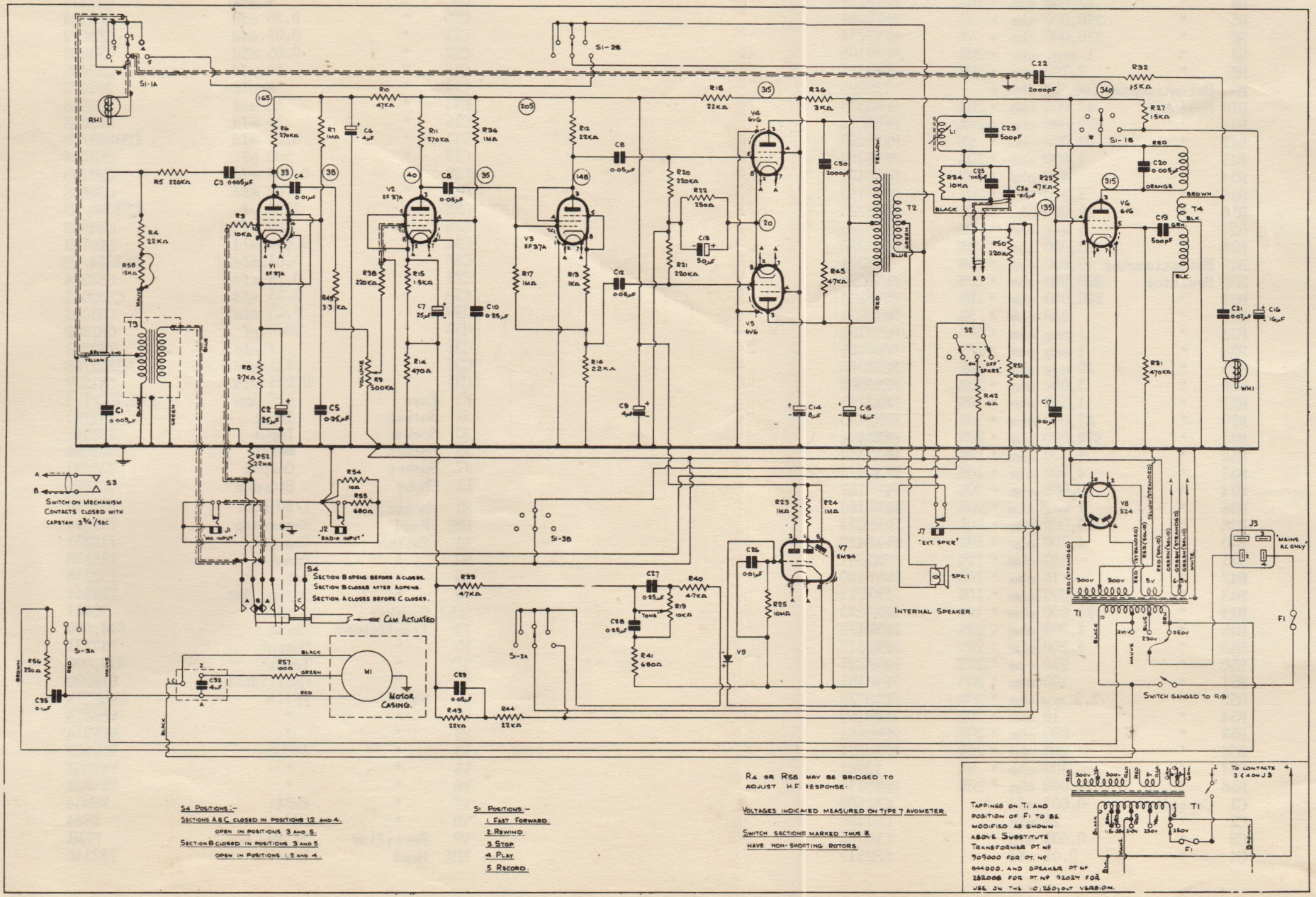
NOTE: C13 is nominally 150pF (100pF and 50pF paralleled) but may be varied to compensate for variations in input transformer characteristics. Variations will be made in 50pF progressions.

Wiring diagram of pre-amplifier for 6-track magnetic installations using Cinemeccanica heads.

C.1874,000.

FIG. 5

TYPE 732 TAPE RECORDER AMPLIFIER CIRCUIT DIAGRAM



S4 POSITIONS:-
SECTIONS A, B, C CLOSED IN POSITIONS 1, 2 AND 4.
OPEN IN POSITIONS 3 AND 5.
SECTION B CLOSED IN POSITIONS 3 AND 5
OPEN IN POSITIONS 1, 2 AND 4.

S1 POSITIONS:-
1. FAST FORWARD
2. REWIND
3. STOP
4. PLAY
5. RECORD

TYPE 732 TAPE RECORDER

FIG-5

Circuit Ref.	Description		Part No.
R3	Resistor	10,000 ohm ± 20%	REW8103
R4	"	22,000 ohm " 20%	REW8223
R5	"	220,000 ohm " 5%	REY8224
R6	"	270,000 ohm " 5%	REY2274
R7	"	1 meg. ohm " 20%	REW8105
R8	"	2,700 ohm " 20%	REW8272
R9	Potentiometer	500,000 ohm "	732205
R10	Resistor	47,000 ohm " 20%	REW8473
R11	"	270,000 ohm " 20%	REW8274
R12	"	22,000 ohm " 5%	REY8223
R13	"	1,000 ohm " 20%	REW8102
R14	"	470 ohm " 10%	REX8471
R15	"	1,500 ohm " 20%	REW8152
R16	"	22,000 ohm " 5%	REY8223
R17	"	1 meg ohm " 20%	REW8105
R18	"	22,000 ohm " 20%	REW8223
R19	Potentiometer	10,000 ohm " 15%	732204
R20	Resistor	220,000 ohm " 20%	REW8224
R21	"	220,000 ohm " 20%	REW8224
R22	"	250 ohm " 5%	REI3251
R23	"	1 meg ohm " 20%	REW8105
R24	"	1 meg ohm " 20%	REW8105
R25	"	10 meg ohm " 20%	REW8106
R26	"	3,000 ohm " 20%	REW8302
R27	"	1,500 ohm " 10%	REX2152
R29	"	47,000 ohm " 10%	REX2473
R31	"	470,000 ohm " 20%	REW8474
R32	"	1,500 ohm " 10%	REX8152
R33	"	4,700 ohm " 10%	REX8472
R34	"	10,000 ohm " 20%	REW8103
R36	"	1 meg ohm " 20%	REW8105
R38	"	220,000 ohm " 20%	REW8224
R40	"	4,700 ohm " 10%	REX8472
R41	"	680 ohm " 10%	REX8681
R42	"	16 ohm " 10%	RWV6160
R43	"	22,000 ohm " 10%	REX8223
R44	"	22,000 ohm " 10%	REX8223
R45	"	4,700 ohm " 20%	REW8472
R49	"	3,300 ohm " 20%	REW8332
R50	"	220 ohm " 20%	REW8221
R51	"	100 ohm " 20%	REW8101
R52	"	2.2 meg ohm " 20%	REW8225
R54	"	10 ohm " 20%	REW8100
R55	"	680 ohm " 20%	REW8681
R56	"	220 ohm " 20%	REW8221
R57	"	100 ohm " 5%	13982
R58	"	15,000 ohm " 20%	REW8153
C1	Capacitor	0.003 mfd	CX2608
C2	"	25 mfd	CS1495
C3	"	0.005 mfd	CY0703
C4	"	0.01 mfd	CS2517

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FIG-5 (Cont.)

Circuit Ref		Description	Part No.
C5	"	0.25 mfd	CS3204
C6	"	4 mfd	CS1475
C7	"	25 mfd	CS1456
C8	"	0.05 mfd	CS3082
C9	"	4 mfd	CS1475
C10	"	0.25 mfd	CS3204
C11	"	0.05 mfd	CS3082
C12	"	0.05 mfd	CS3082
C13	"	50 mfd	CS2485
C14	"	8 mfd	202073
C15	"	16 mfd	202073
C16	"	16 mfd	202073
C17	"	0.01 mfd	CS3089/US
C19	"	500 pf	CS2204
C20	"	0.005 mfd	CY0703
C21	"	0.02 mfd	CS2855
C22	"	2000 pf	CS3090/US
C23	"	500 pf	CZ4058
C25	"	0.005 mfd	CX0703
C26	"	0.01 mfd	CS3854/US
C27	"	0.25 mfd	CS3204
C28	"	0.25 mfd	CS32041
C29	"	0.05 mfd	CS3082
C30	"	2000 pf	CS1802
C32	"	4 mfd	732291
C35	"	0.1 mfd	CS1822/US
C36	"	0.015 mfd	CX1279
F1	Fuse	1.5 Amp	FCL562/1.5
J1	Socket	Input	732281
J2	Socket	Input	732281
J3	Socket	Mains	202028
J7	Socket	Output	732281
L1	Choke	Stopper	767000
M1	Motor	1/50 H.P.	732290
RH1	Head	Recording	732146
S1	Switch	Control	732203
S2	"	Speaker	13813R
S3	"	Set	732258
S4	"	Spring Set	732241
SPK1	Speaker	6 inch.	92027
T1	Transformer	Mains	844,000
T2	"	Output	732237
T3	"	Input	819,000
T4	"	Oscillator	818000
V1	Valve	EF37A	VEF37A
V2	"	"	VEF37A
V3	"	"	VEF37A
V4	"	6V6GT	V6V6GT
V5	"	"	V6V6GT
V6	"	"	V6V6GT
V7	"	EM34	VEM34
V8	"	5Z4	V5Z4
V9	Rectifier	St and C	REM1
WH1	Head	Erase	732146

ear Model Number, Part Number and Description.