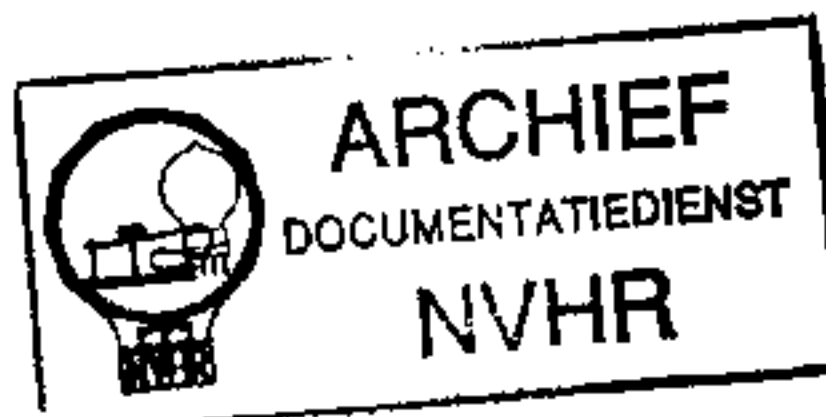


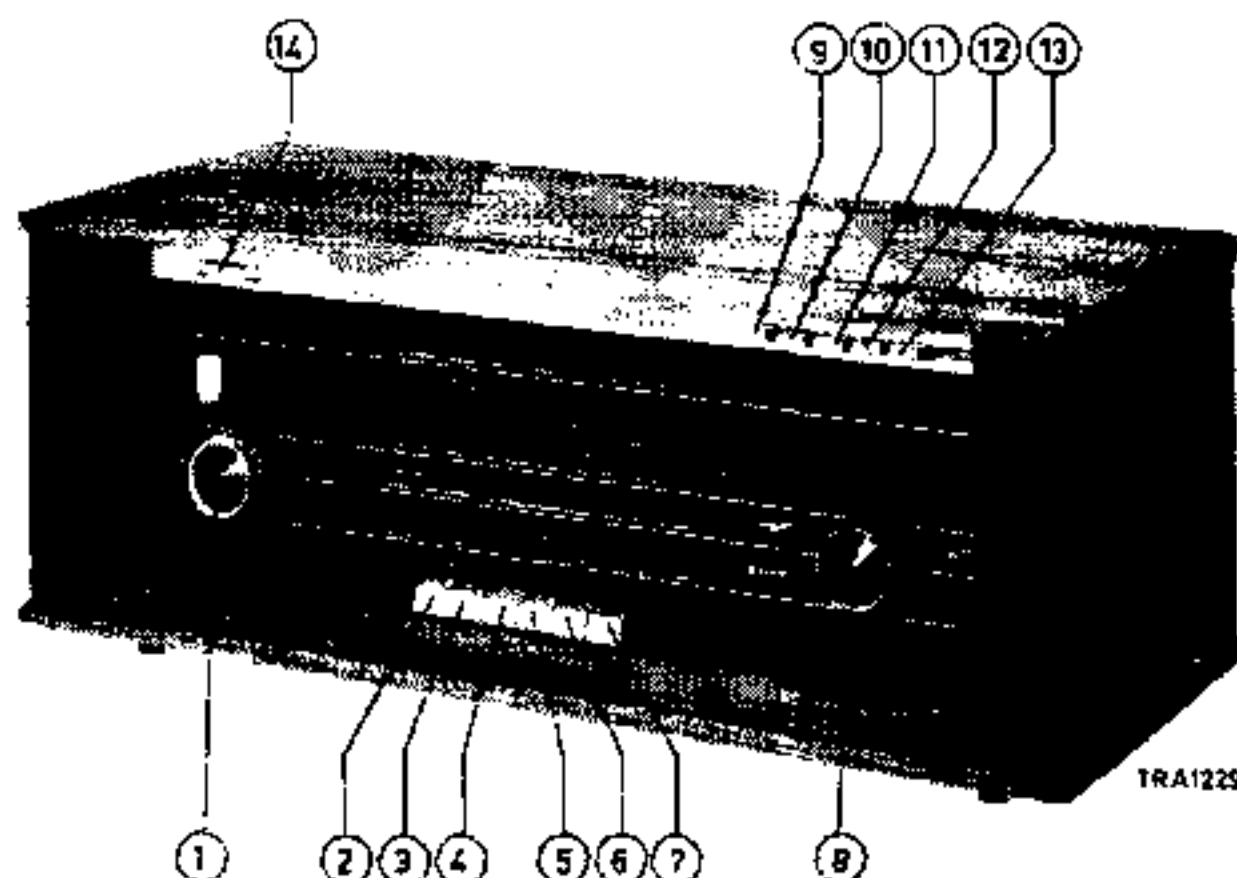
PHILIPS

Service



RADIO

B5X42A/02



- | | | | | | | | | | | | | | |
|--|--|---|---|---|--|--|---|---|---|---|---------------------------------------|-----------------------------------|---|
| <p>1 Volume control
Volumeregelaar R35/36
Réglage de puissance R37/38
Lautstärkeregler
Control de volumen</p> | <p>2 Mains switch
Netschakelaar
Commutateur de réseau SK-A
Netzschalter
Conmutador de red</p> | <p>3 PU switch
PU-schakelaar
Commutateur PU SK-B
TA-Schalter
Conmutador PU</p> | <p>4 LW switch
LG-schakelaar
Commutateur GO SK-C
LW-Schalter
Conmutador OL</p> | <p>5 MW switch
MG-schakelaar
Commutateur PO SK-D
MW-Schalter
Conmutador OM</p> | <p>6 SW1 switch
KG1-schakelaar
Commutateur OC1 SK-E
KW1-Schalter
Conmutador OC1</p> | <p>7 FM switch
FM-schakelaar
Commutateur FM SK-F
UKW-Schalter
Conmutador FM</p> | <p>8 Tuning
Afstemming
Sintonisation
Abstimmung
Sintonía</p> | <p>9 Bass switch
Lage-tonenschakelaar
Commutateur des graves SK-K
Bassschalter
Conmutador de tonos bajos</p> | <p>10 Treble switch
Hoge-tonenschakelaar
Commutateur des aiguës SK-L
Höhenschalter
Conmutador de tonos altos</p> | <p>11 Treble switch
Hoge-tonenschakelaar
Commutateur des aiguës SK-M
Höhenschalter
Conmutador de tonos altos</p> | <p>12 Stereo expander SK-G</p> | <p>13 Mono/Stereo SK-H</p> | <p>14 Balance control
Balansregelaar
Réglage d'équilibre R32
Stereowaage
Control de balanceo</p> |
|--|--|---|---|---|--|--|---|---|---|---|---------------------------------------|-----------------------------------|---|

Loudspeakers	2xAD 3700AM (800 Ω)	Luidsprekers	Haut-parleurs	Lautsprecher	2xAD 3700AM (800 Ω)	Altavoces
IP	452 kc/s (AM) 10,7 Mc/s (FM)	MF	FI	ZF	452 kc/s 10,7 Mc/s	FI
Mains voltages	110-127-145-165-220-245 V~	Netspanningen	Tensions secteur	Netzspannungen	110-127-145-165-220-245 V~	Tensiones de red
Consumption	70 W (220 V) AM 80 W (220 V) FM	Verbruik	Consommation	Verbrauch	70 W (220 V) AM 80 W (220 V) FM	Consumo
Output	2 x 2 W	Uitgangsvermogen	Puissance	Ausgangsleistung	2 x 2 W	Tension de salida
Dimensions	600x254x240 mm	Afmetingen	Dimensions	Abmessungen	600x254x240 mm	Dimensiones

Wave ranges - Golfgebieden - Gammes d'ondes - Wellenbereiche - Márgenes de ondas

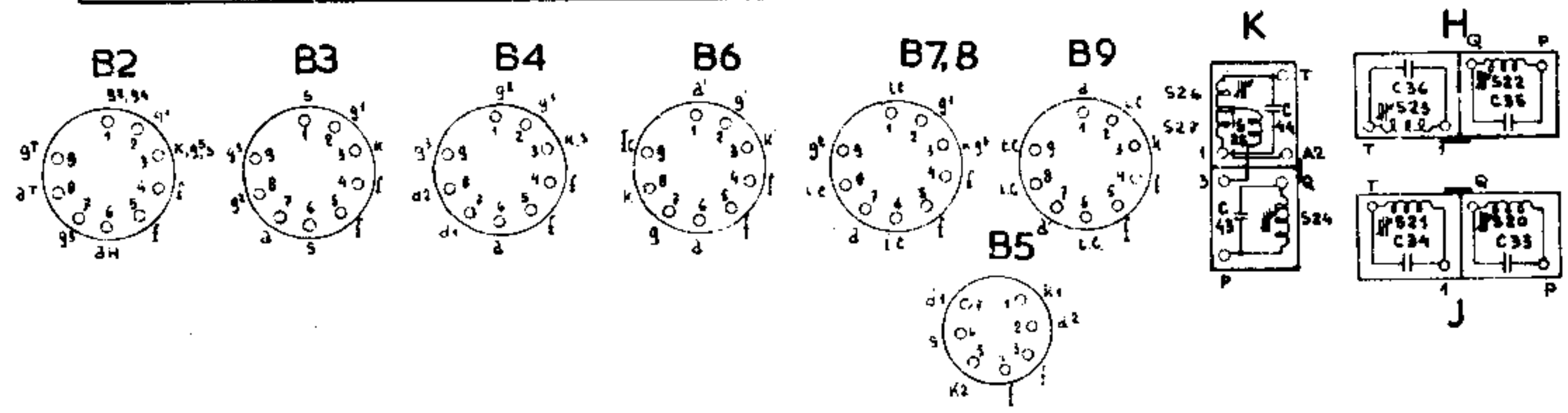
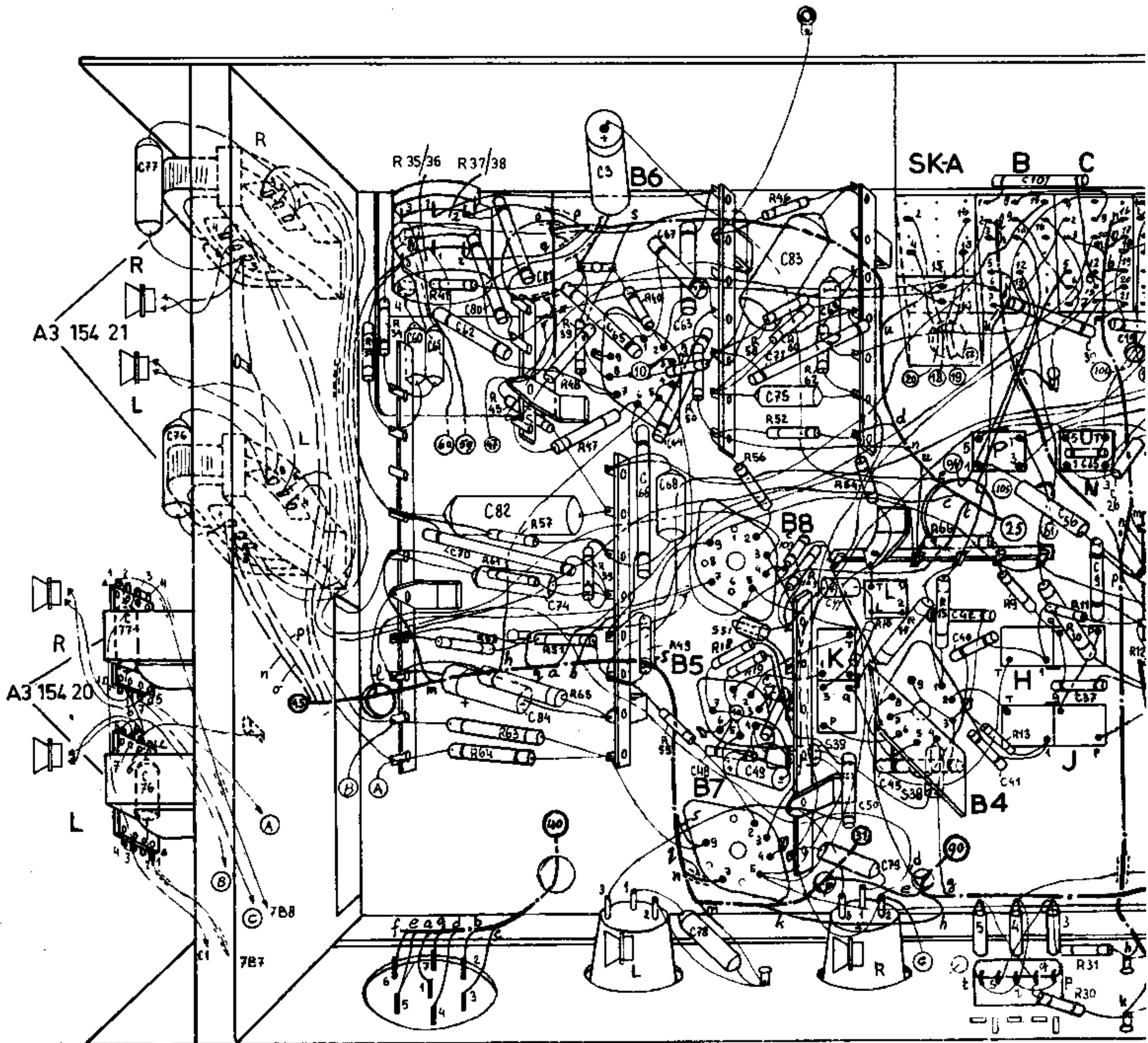
LW - LG - GO - LW - OL	: 750 - 2000 m
MW - MG - PO - MW - OM	: 185 - 580 m
SW2 - KG2 - OC2 - KW2 - OC2	: 57,7 - 182 m
SW1 - KG1 - OC1 - KW1 - OC1	: 16,5 - 50,8 m
FM - FM - FM - UKW - FM	: 87,5 - 104 Mc/s

Valves - Buizen - Tubes - Röhren - Válvulas

B1 - ECC85	B6 - ECC83
B2 - ECH81	B7,8 - EL84
B3 - EF89	B9 - EZ81
B4 - EBF89	B10 - EM80
B5 - EAA91	L1,2 - 955/D6, 3x320

SERVICE INFORMATION									
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S						51	39.K	L	38	P	H	J	N		
R	33-38.	41.	53,45,61,57,51,39,59.		40,42,49.	18.	19.	46.	103.	54.	16.	56.	9.	10,11.	12
R			64,63,65,48,47.		55,50.	58,56,52.	60.	62.			15.	13.	30,31.		
C	77,76.		60,61,62.	82,81,74.	3,65,66,68,78.	71,103.	69,50,45.				40.	41.	56,25,9,11.		
C			70,80,84.			67,63,48,49,75,52,83,77,79.					42.	101.	37,39,26.		



Serv-o-mecum E-a-1 E-a-2 E-a-3	Wave range Golfgebied Gamme d'ondes Wellenbereich Margen de ondas	Trimming point Trimpunt Point de réglage Trimpunkt Punto de ajuste	Signal Signaal Signal Signal Señal	Trim Afregelen Régler Abgleichen Ajustense	Indication Aanwijzing Indication Anzeige Indicación	
IF-MF-FI-ZF-FI (AM)	MW-MG-PO-MW-OM	185 m	452 kc/s - 2B2 via 33000 pF	S23, S22, S18, S19	Max. output	
		580 m	452 kc/s	S4	Min. output	
RF HF HF (AM) HF RF	SW1-KG1-OC1-KW1-OC1	545 m	6,3 Mc/s	S13	Max. output	
	SW2-KG2-OC2-KW2-OC2	545 m	1,73 Mc/s	S43		
	MW-MG-PO-MW-OM	545 m	550 kc/s	S45		
	LW-LG-GO-LW-OL	545 m	157,5 kc/s	S15		
	SW1-KG1-OC1-KW1-OC1	200 m	17 Mc/s	C57		
	SW2-KG2-OC2-KW2-OC2	200 m	4,9 Mc/s	C55		
	MW-MG-PO-MW-OM	200 m	1500 kc/s	C23		
	LW-LG-GO-LW-OL	200 m	385 kc/s	C27		
	SW1-KG1-OC1-KW1-OC1	545 m	6,3 Mc/s	S40		
	SW2-KG2-OC2-KW2-OC2	545 m	1,73 Mc/s	S6		
	LW-LG-GO-LW-OL	545 m	157,5 kc/s	S8		
	MW-MG-PO-MW-OM	545 m	550 kc/s	S7		
	SW1-KG1-OC1-KW1-OC1	200 m	17 Mc/s	C14		
	SW2-KG2-OC2-KW2-OC2	200 m	4,9 Mc/s	C11		
LW-LG-GO-LW-OL	200 m	385 kc/s	C54			
MW-MG-PO-MW-OM	200 m	1500 kc/s	C12			
IF-MF-FI-ZF-FI (FM)	FM-FM-FM-UKW-FM	88 Mc/s	1) 10,7 Mc/s - 2B4 via 1500 pF	S50	OV DV-	
			3) 10,7 Mc/s via 1500 pF	2B4	S24	2) Max. DV..
				2B4	S26, S27	OV DV..
				2B3	S20, S21	4) Max. DV..
				2B2	S16, S17	
7 ↓	S410, S10					
RF-HF-HF-HF-RF (FM)	FM-FM-FM-UKW-FM	88 Mc/s	88 Mc/s	S406, C415	Max. DV..	
		104 Mc/s	104 Mc/s	C408		
		96 Mc/s	96 Mc/s	S407, C415		

Unless stated otherwise the signals are applied to the aerial via a dummy aerial.

- 1) The signal applied is not modulated.
- 2) Connect the diode voltmeter (DV) via two resistors of 0.22 MΩ - 1%. See circuit diagram.
- 3) The signal applied is modulated.
- 4) Remove the two resistors of 0.22 MΩ and connect the DV across C40 (in serie with 0.1 MΩ).

Tenzij anders aangegeven worden de signalen via een kunstantenne aan de antennebus toegevoerd.

- 1) Het toegevoerde signaal is niet gemoduleerd.
- 2) Sluit de diodevoltmeter (DV) via twee weerstanden van 0,22 MΩ - 1% aan, zie prinsipschema.
- 3) Het toegevoerde signaal is gemoduleerd.
- 4) Verwijder de twee weerstanden van 0,22 MΩ en sluit de DV over C40 aan (in serie met 0,1 MΩ).

Sauf indication contraire les signaux sont appliqués à la douille d'antenne par l'intermédiaire d'une antenne fictive.

- 1) Le signal appliqué n'est pas modulé.
- 2) Connecter le voltmètre à diode (DV) à travers de deux résistances de 0,22 MΩ - 1%. Voir le schéma principe.
- 3) Le signal appliqué est modulé.
- 4) Enlever les deux résistances de 0,22 MΩ et connecter le DV sur C40 (en serie avec 0,1 MΩ).

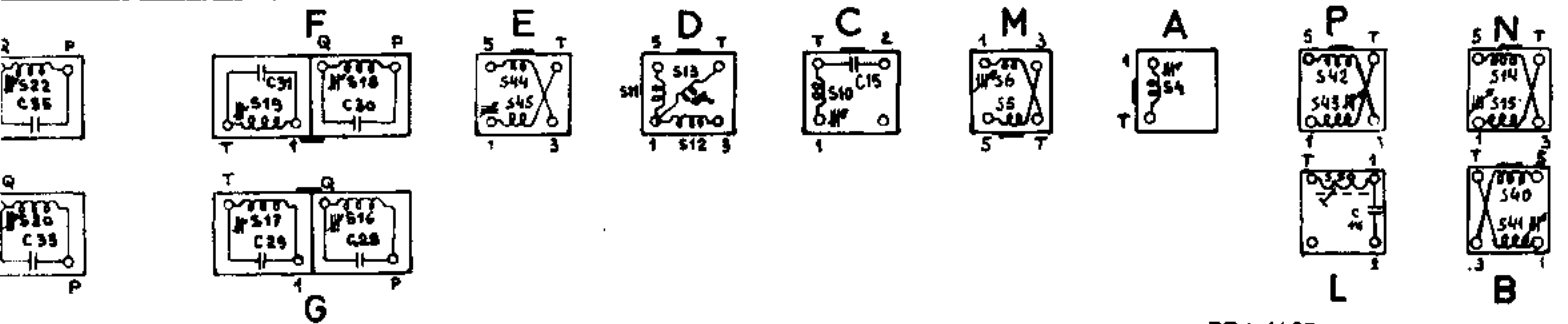
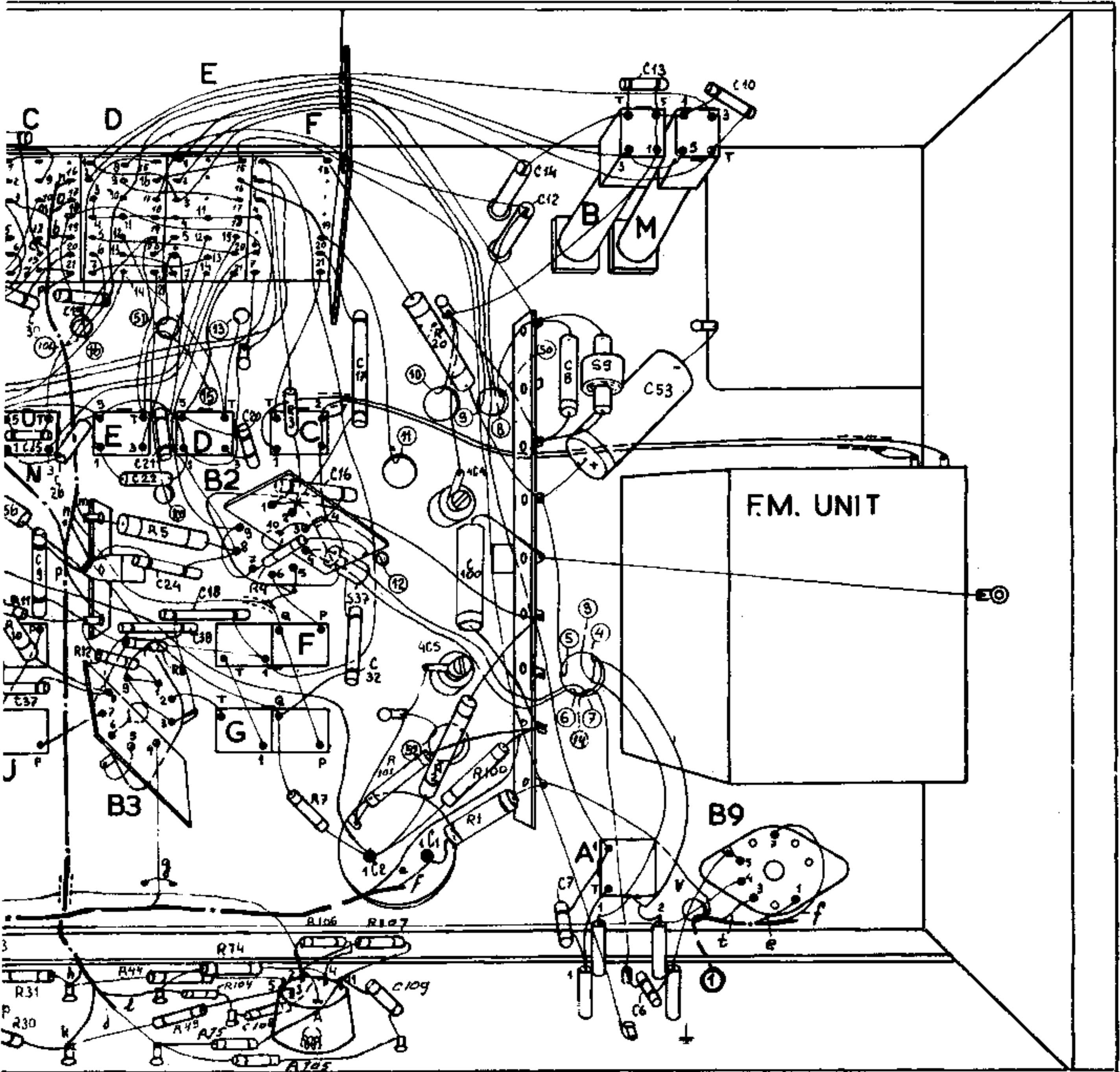
Wenn nicht anders angegeben werden die Signale über eine Kunstantenne die Antennenbüchse zugeführt.

- 1) Das zugeführte Signal ist nicht moduliert.
- 2) Das Diodevoltmeter (DV) über zwei Widerstände von 0,22 - 1% anschliessen. (Siehe Prinzipschaltbild).
- 3) Das zugeführte Signal ist moduliert.
- 4) Die Widerstände von 0,22 MΩ entfernen und das DV über C40 anschliessen (in Serie mit 0,1 MΩ).

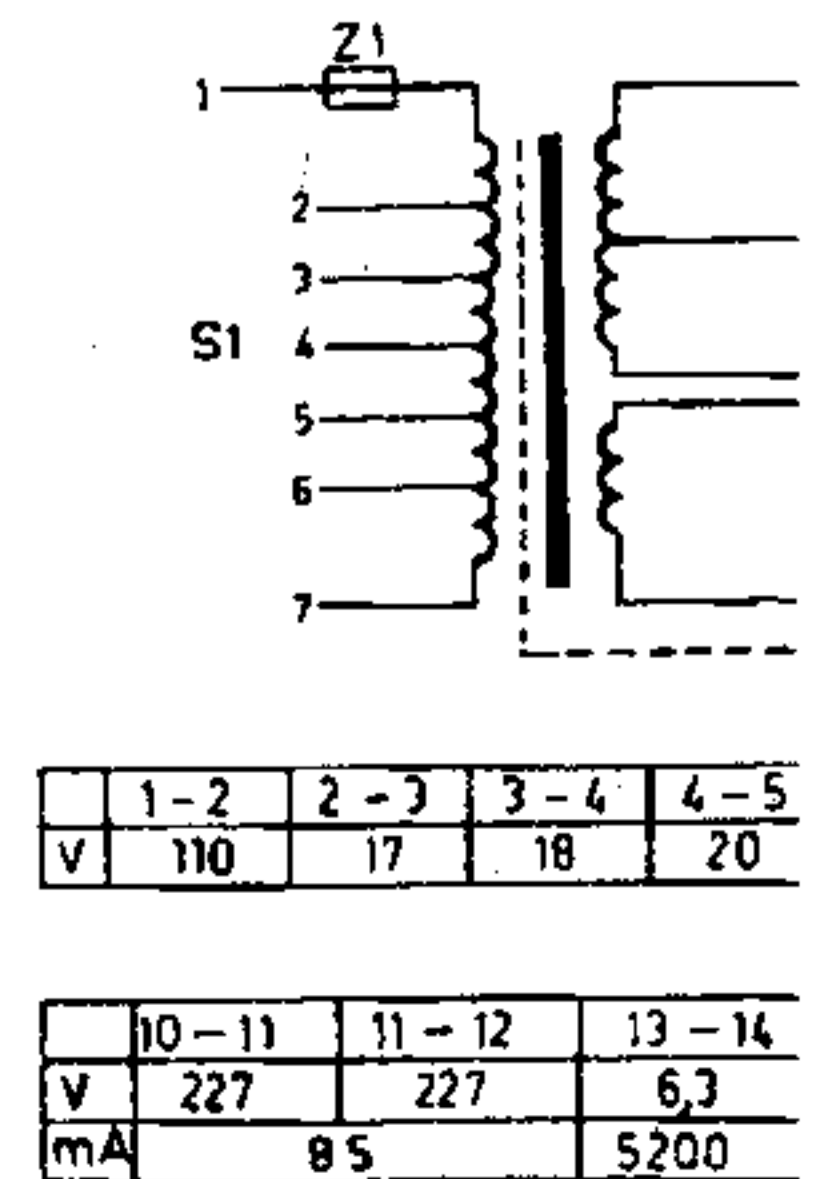
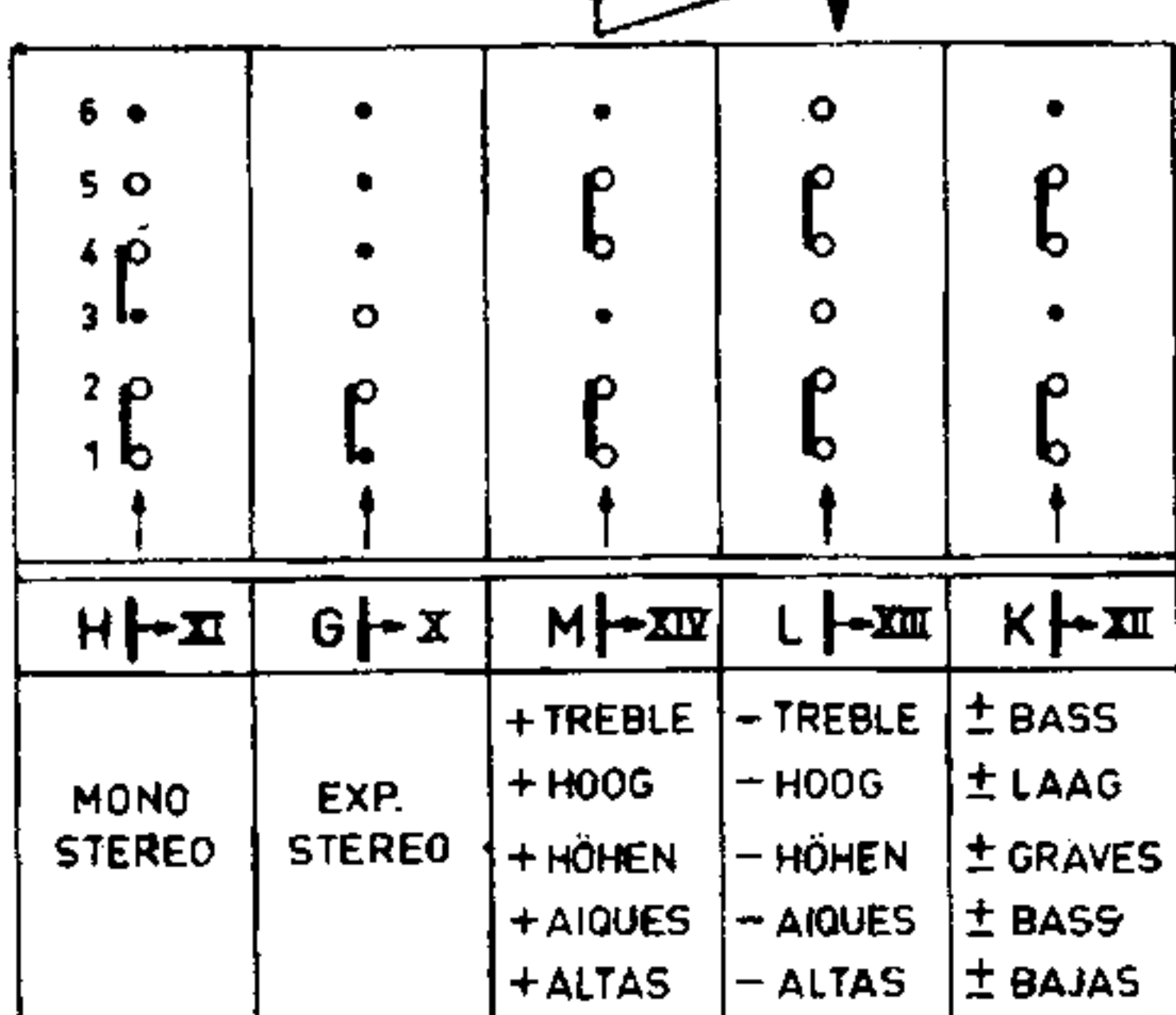
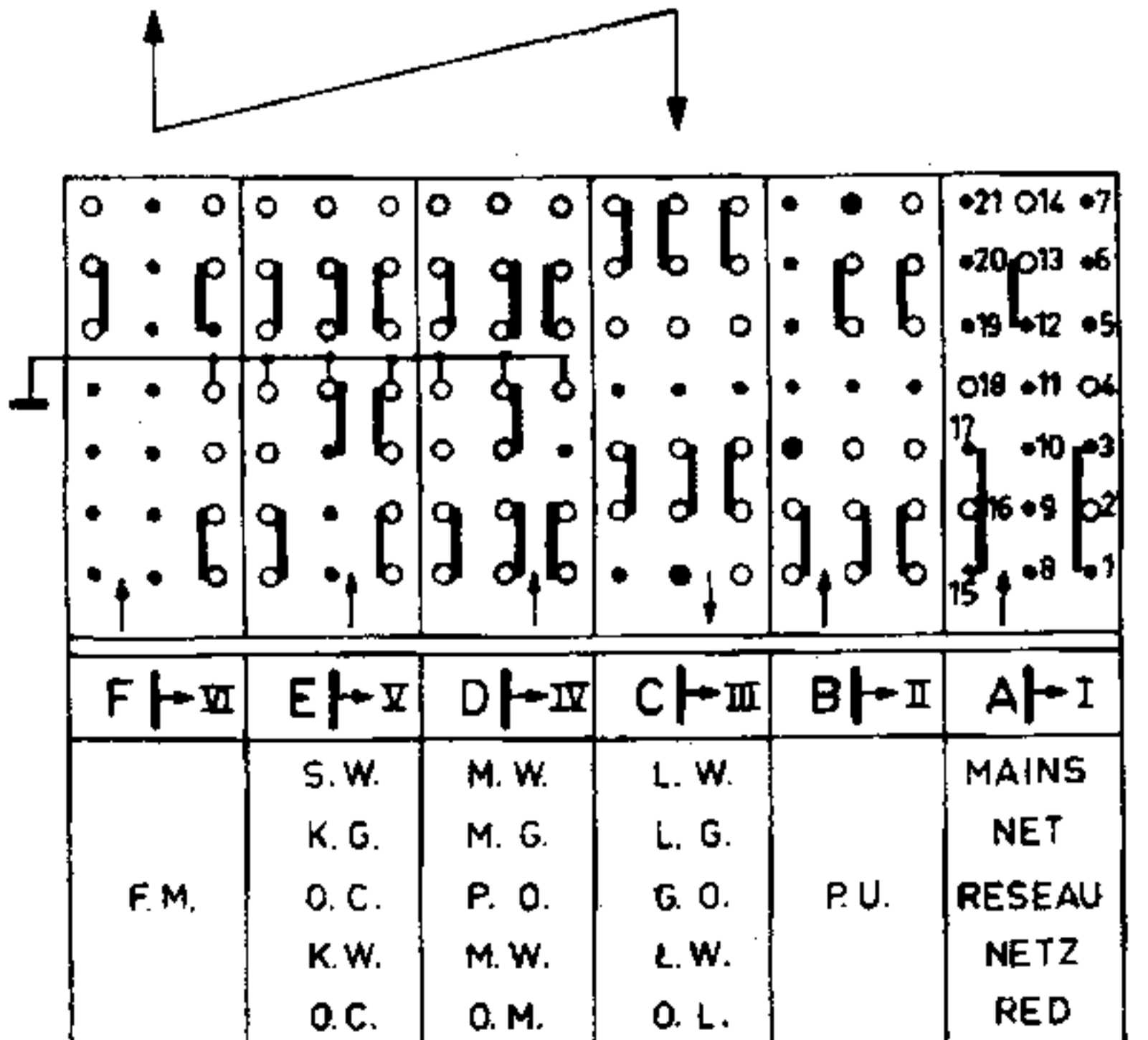
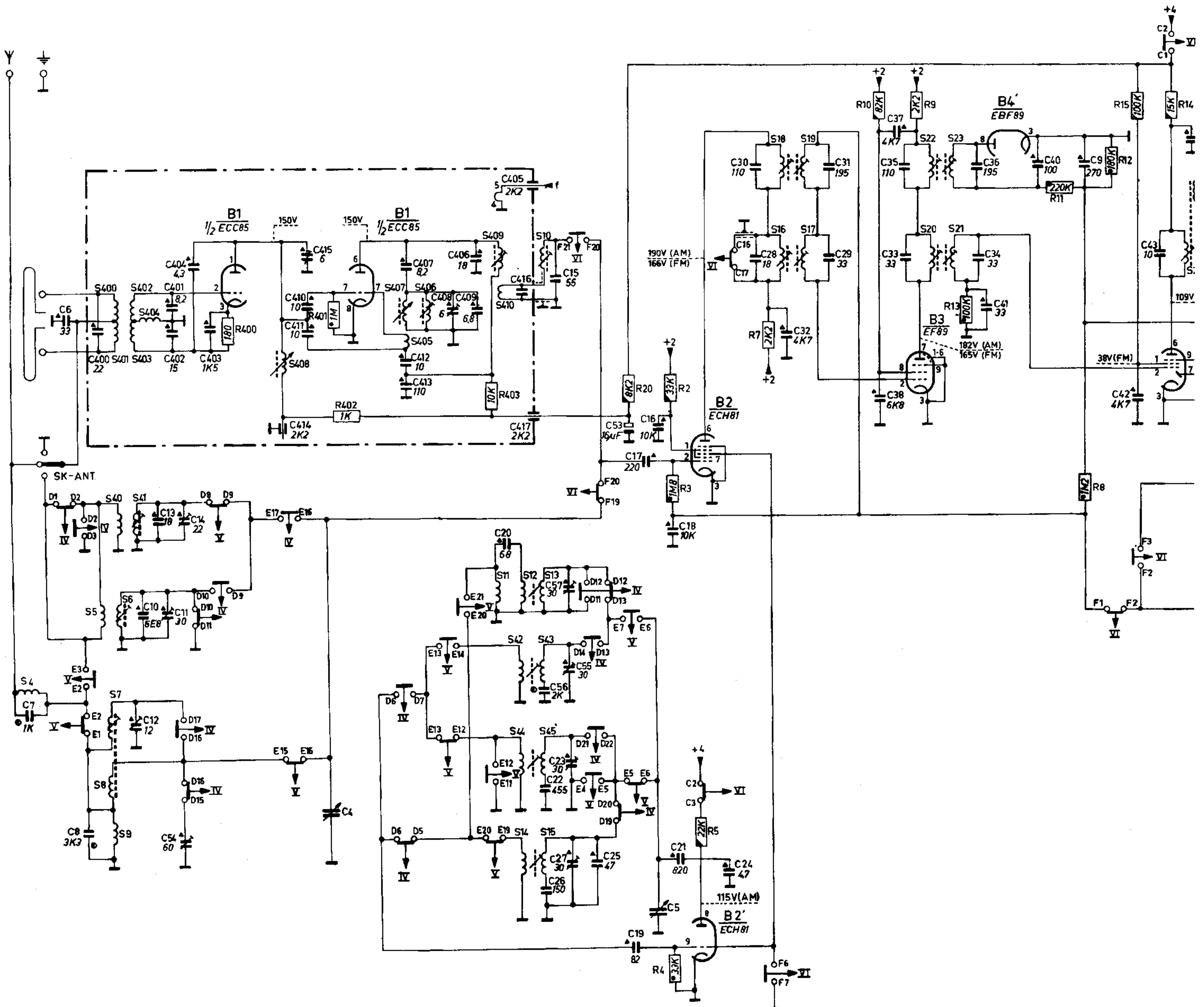
Salvo indicación contraria todas las señales son aplicadas a la hembrilla de una antena artificial.

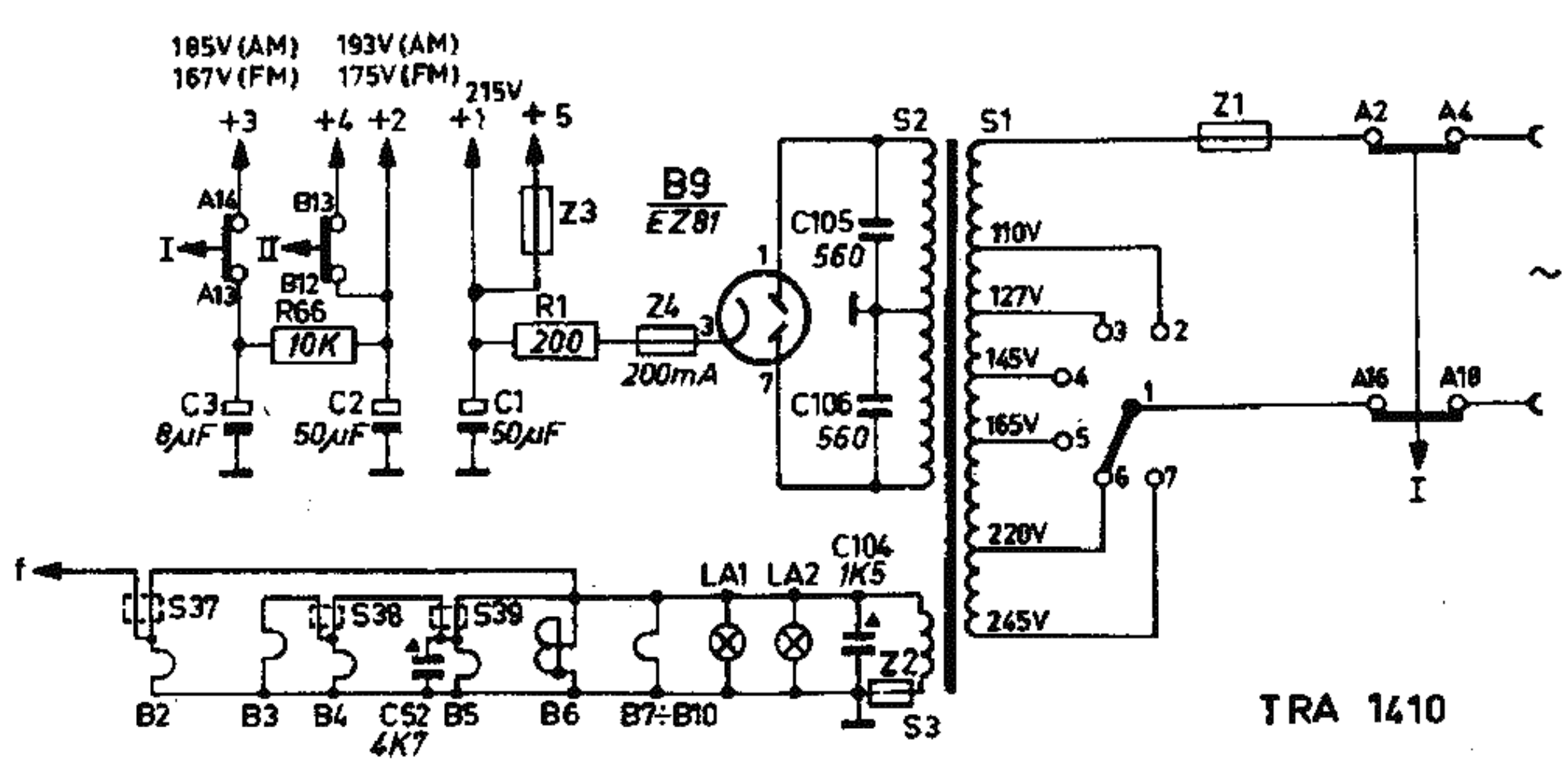
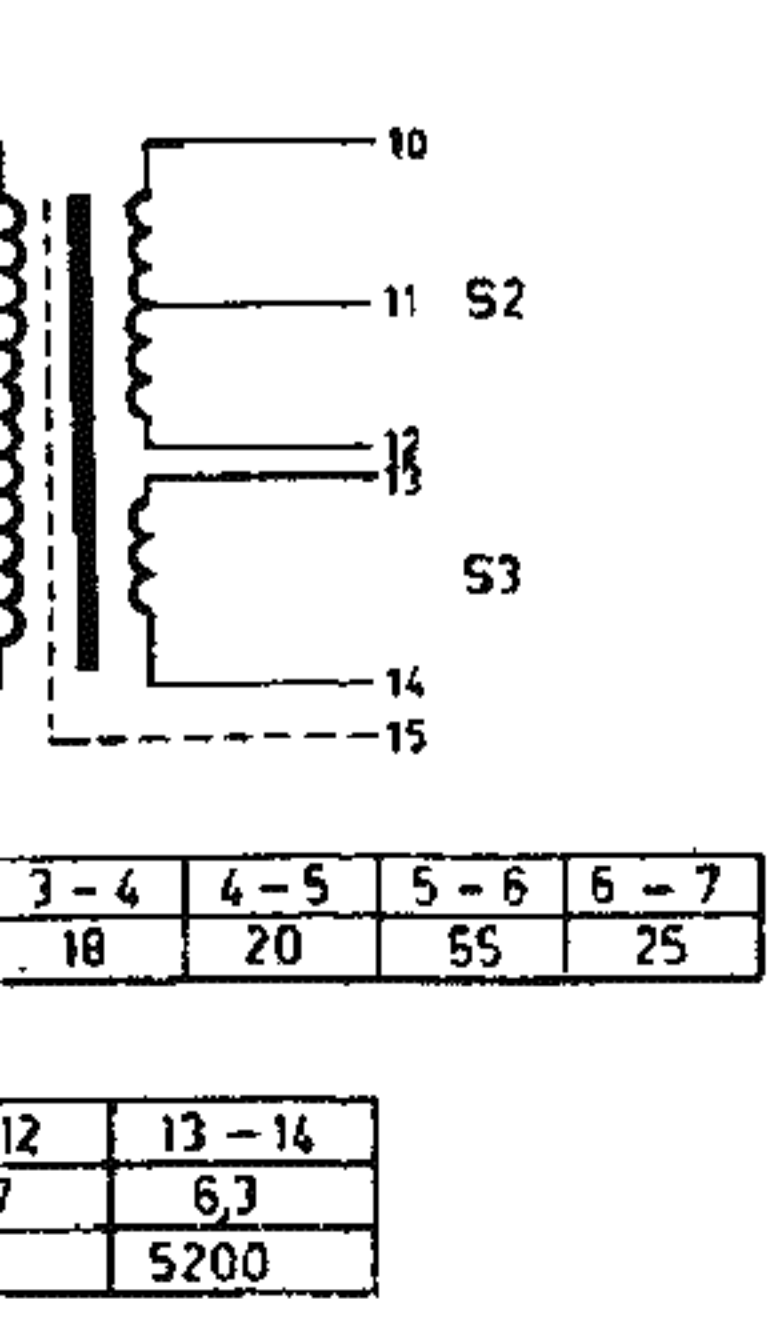
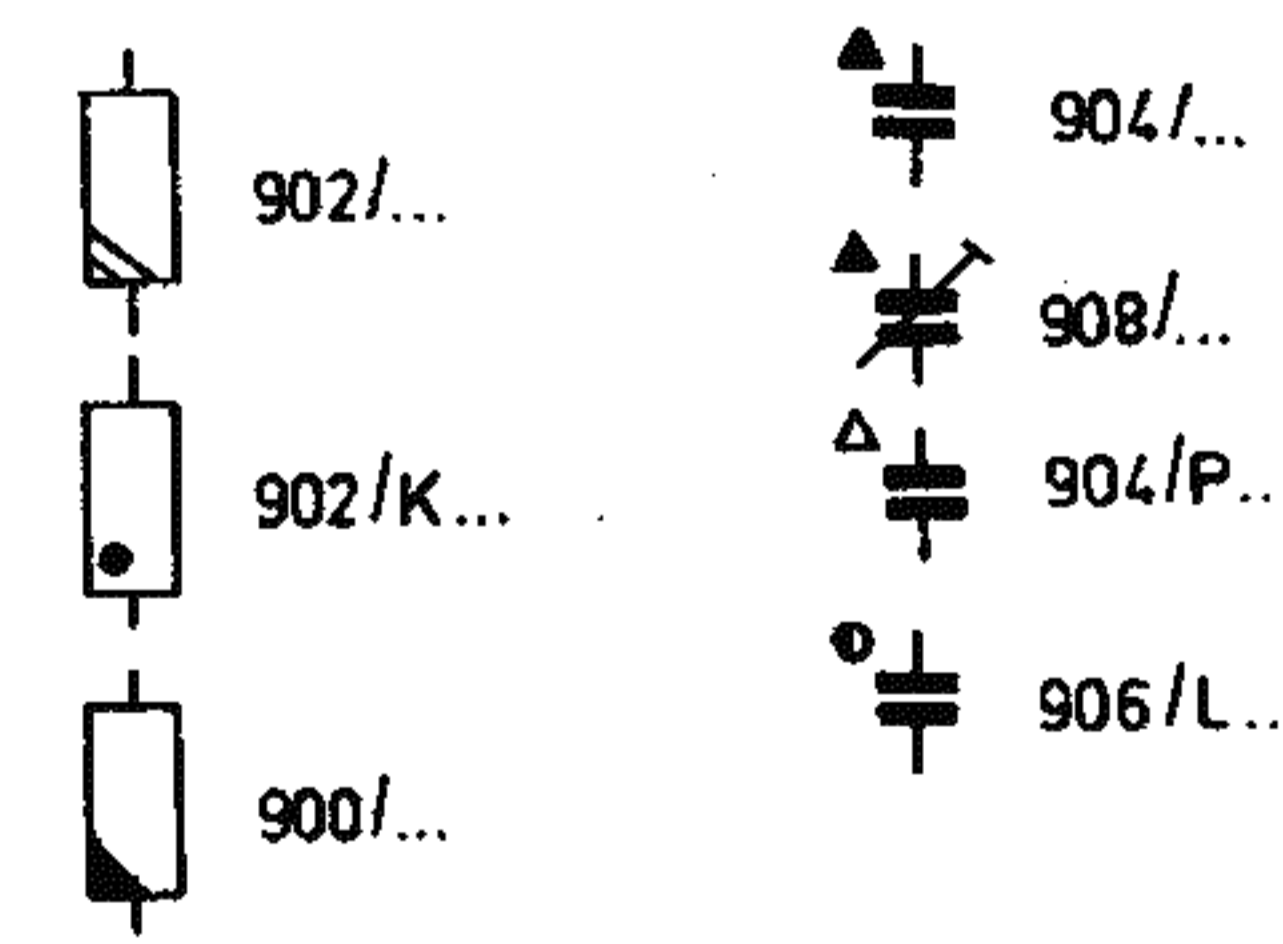
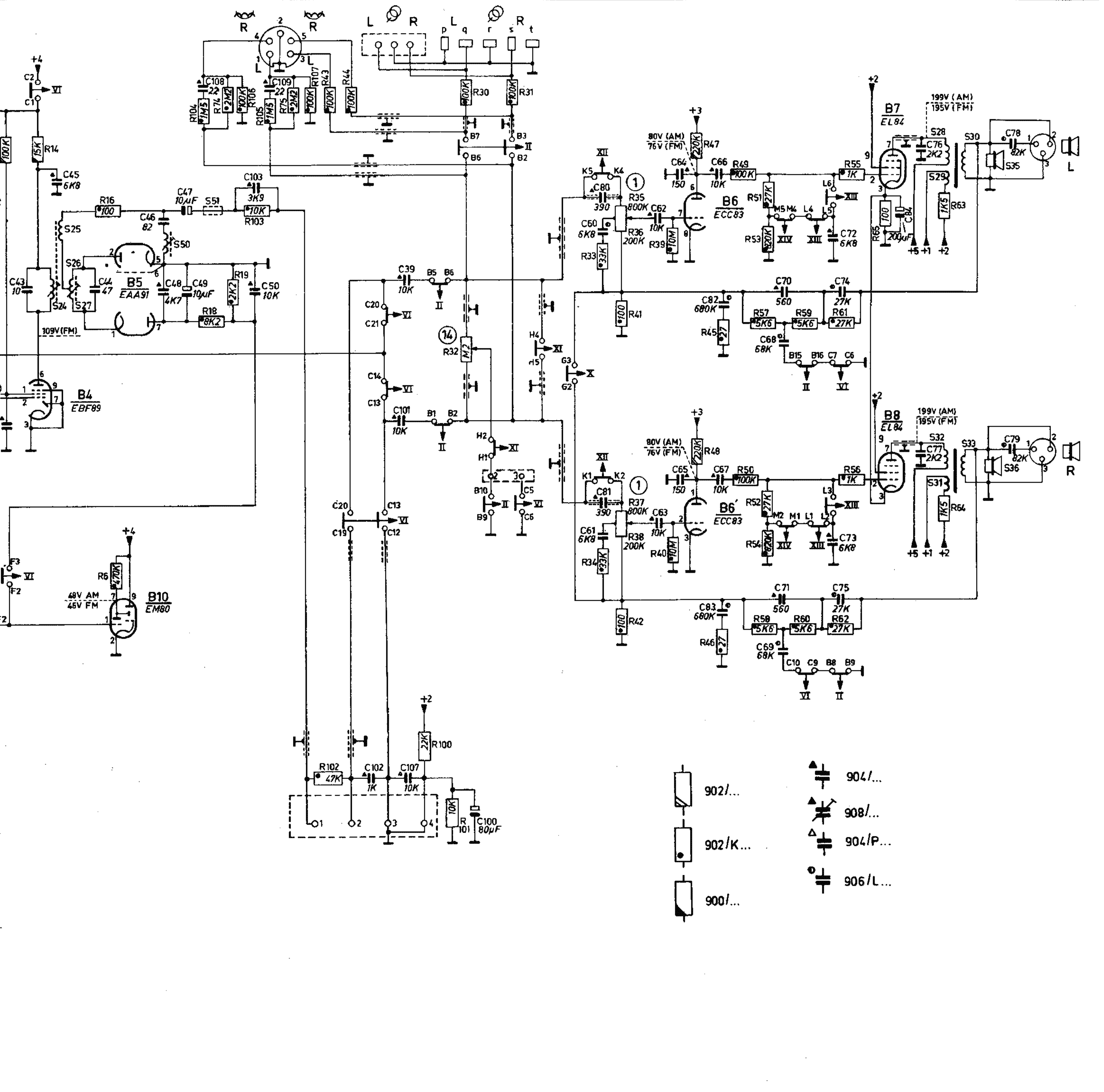
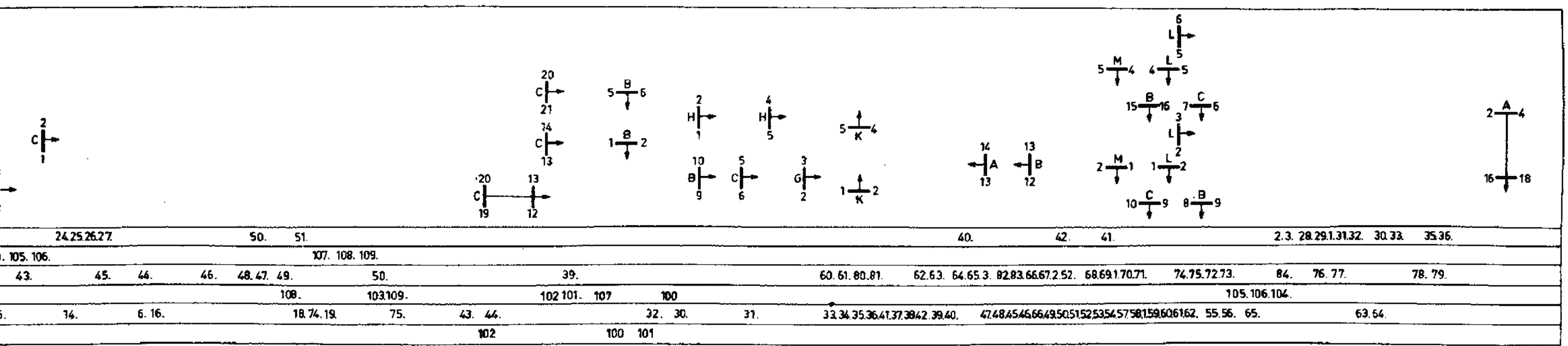
- 1) La señal aplicada no está modulada.
- 2) Conéctese el voltmetro de diode (DV) a través de dos resistencias de 0,22 MΩ - 1%. Véase el esquema de principio.
- 3) La señal aplicada está modulada.
- 4) Quitense las dos resistencias de 0,22 MΩ y conéctese el DV sobre C40 (en serie con 0,1 MΩ).

I	N	E	D	G	C.F	37	B9.A.M				S					
10.11.	12.	44.	5.	8.	75.	74.	4.	3.	7.	101.	20.	1100.	R			
30.31.		43.	104.	105.106.107.		2.						R				
56.	25.	9.19.	21.	24.	38.	20.	16.	17.	109.	100.	19.	7.	13.	53.	10.	C
37.	39.	26.	22.	18.	108.	32.	12.		8.	6.					C	



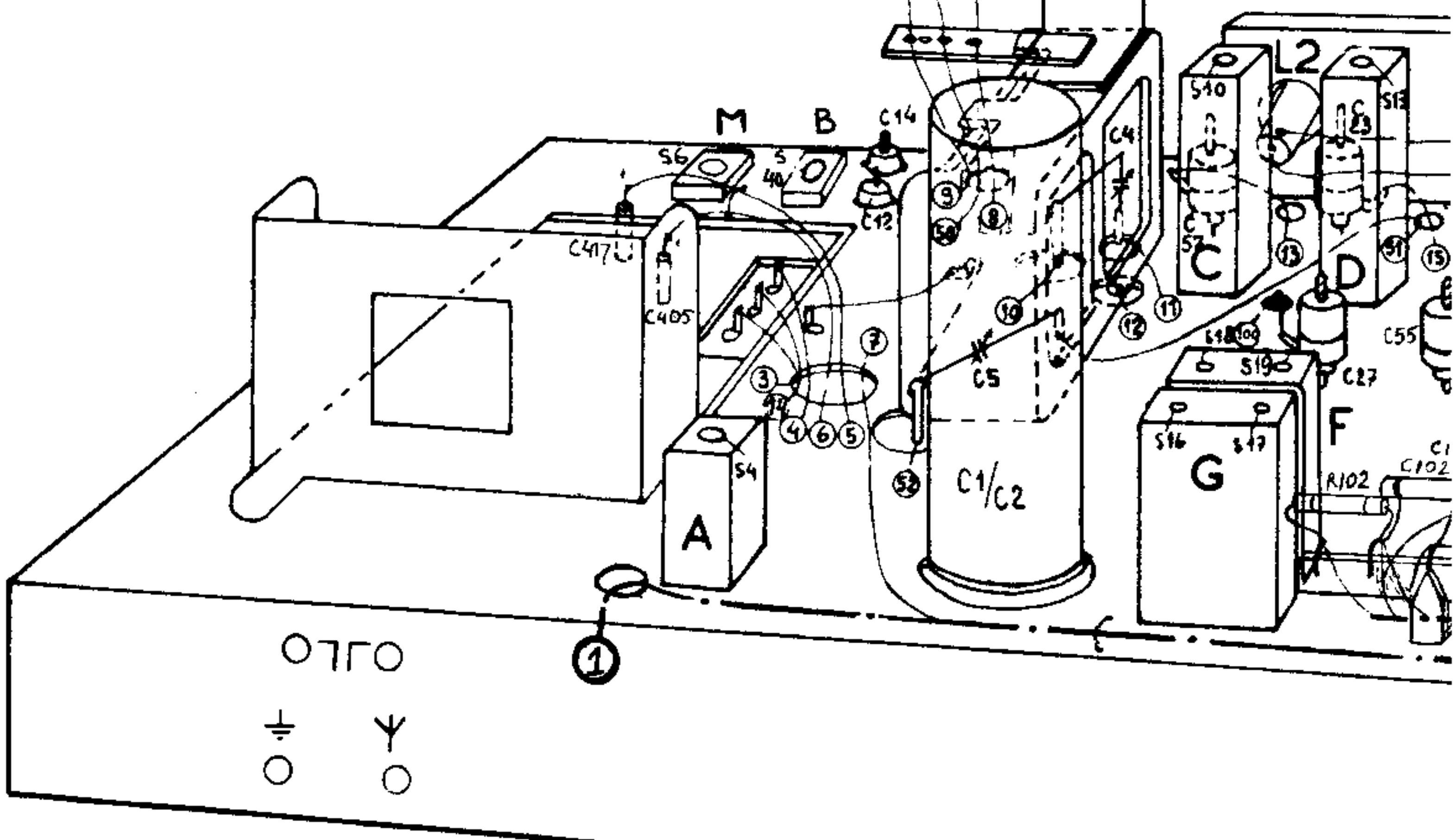
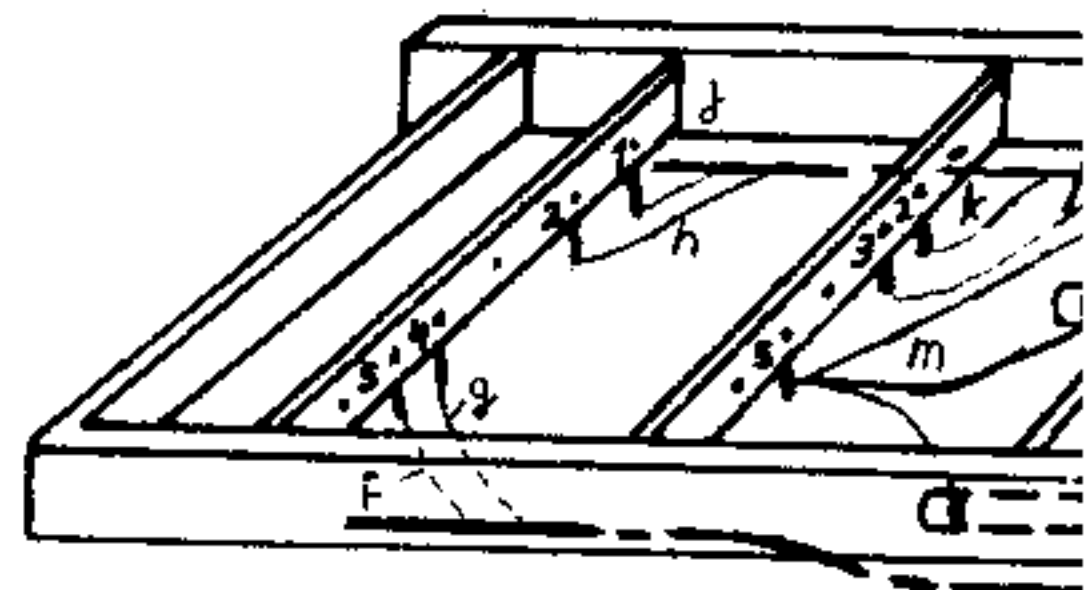
S1-100	4	5 7 8 40 3 6 41		11 12 14 42 44 13 43 15 45	16 18 17 19	22 20 21 23	24 25
S101-500		400 401 402 403 404	408	407 405 406	409 410	103 101 102	104 104a 105 106
C1-100	7 6 8	12 10 14 13 11 5 4	4	20 26 27 15 5 22 25 6 23 25 17 19 5 31 6 5 21 18	30 24 28 32 31 29	33 35 37 38	36 34 41 40 9 42 43
C101-500	400	401 402 404 403	410 411 414 415	407 412 413 408 406 409 405 416 417			
R1-100					20 4 2 3 5 7	10	9 13 11 8 12 15 14
R101-500		400 401 402	403				



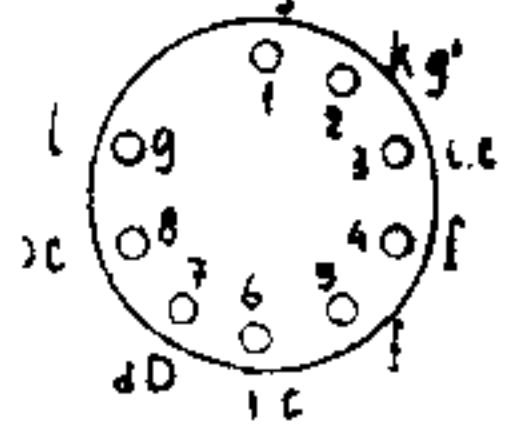


S	6.	4.	8.	40.	16.	10.	18.	17.	19.	13.	7.
R										102.	
C	417.	405.			12.	14.	5.1.2.	4.	57.		27.23.55. 11

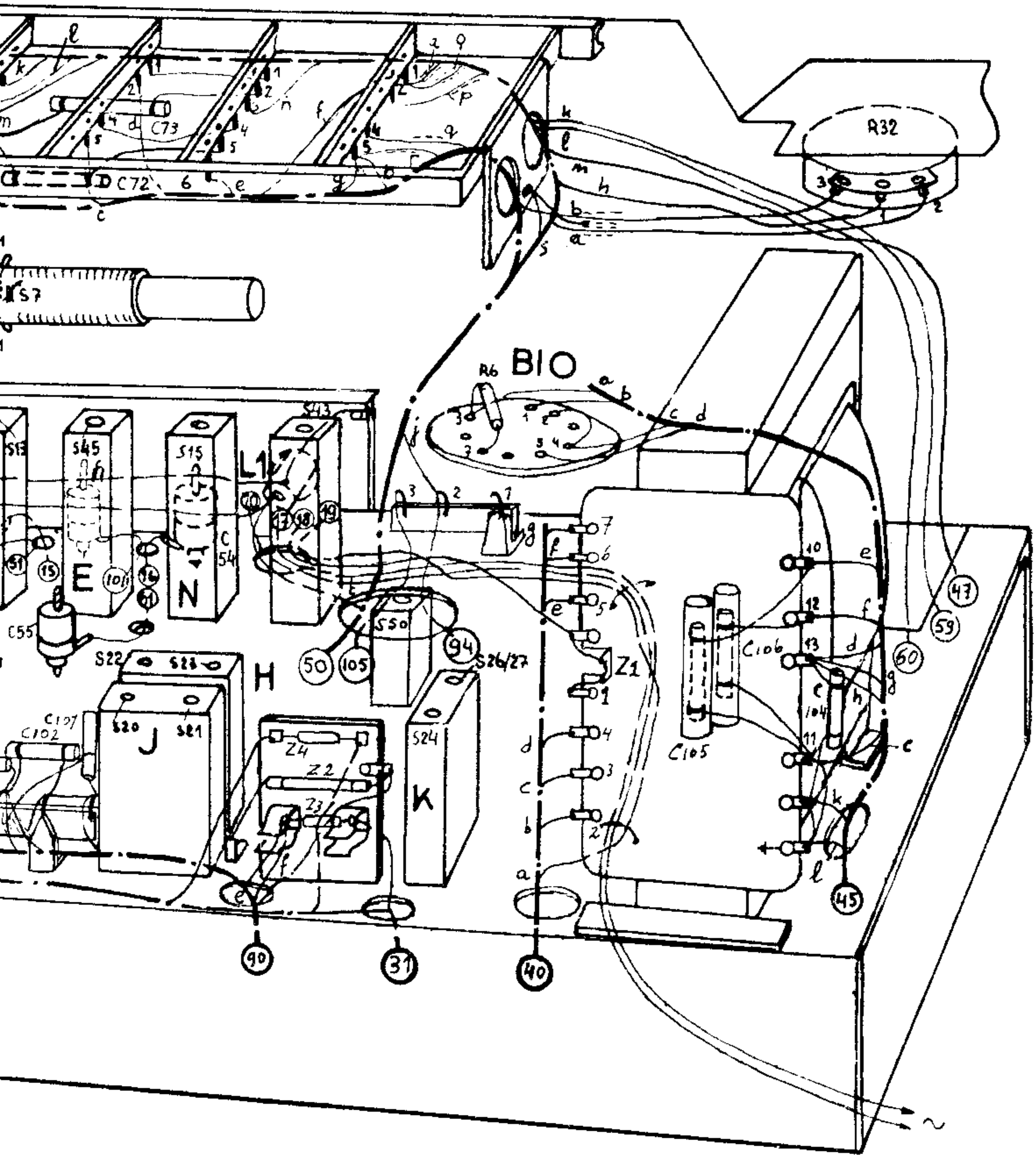
SK-H G

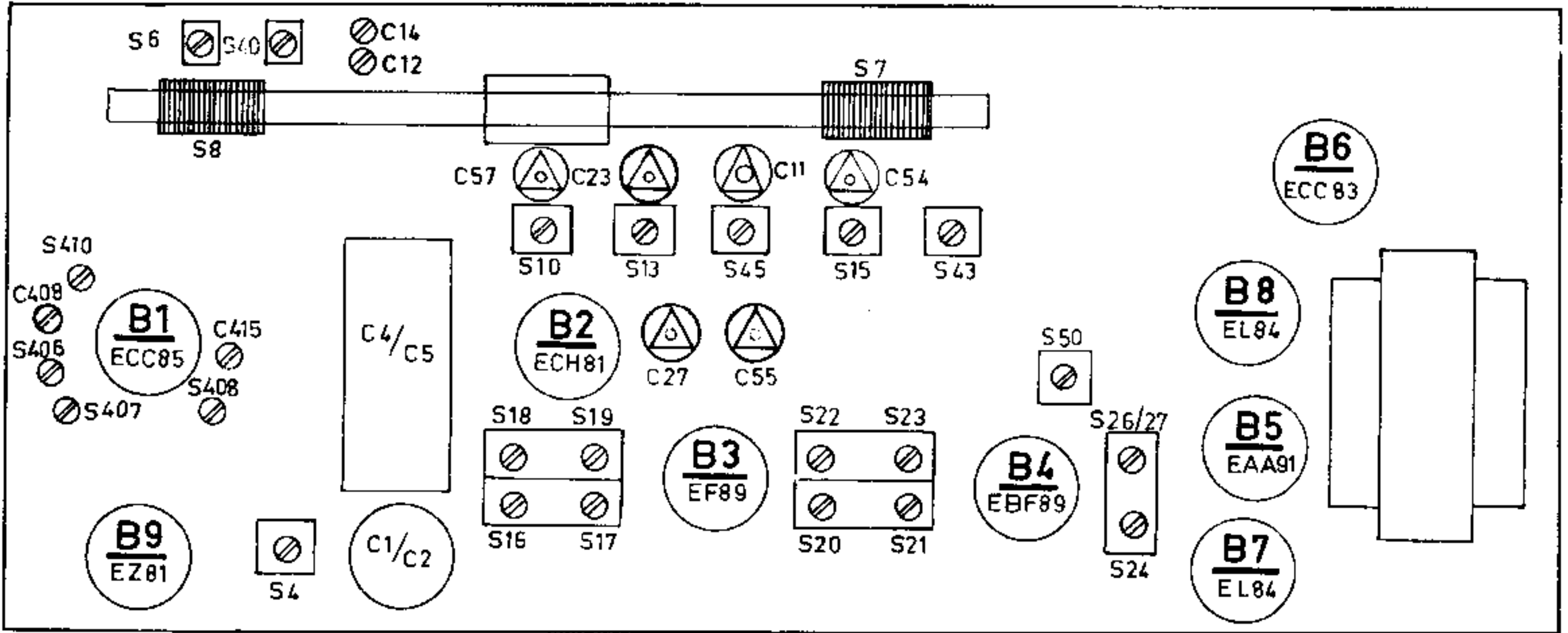


BIO

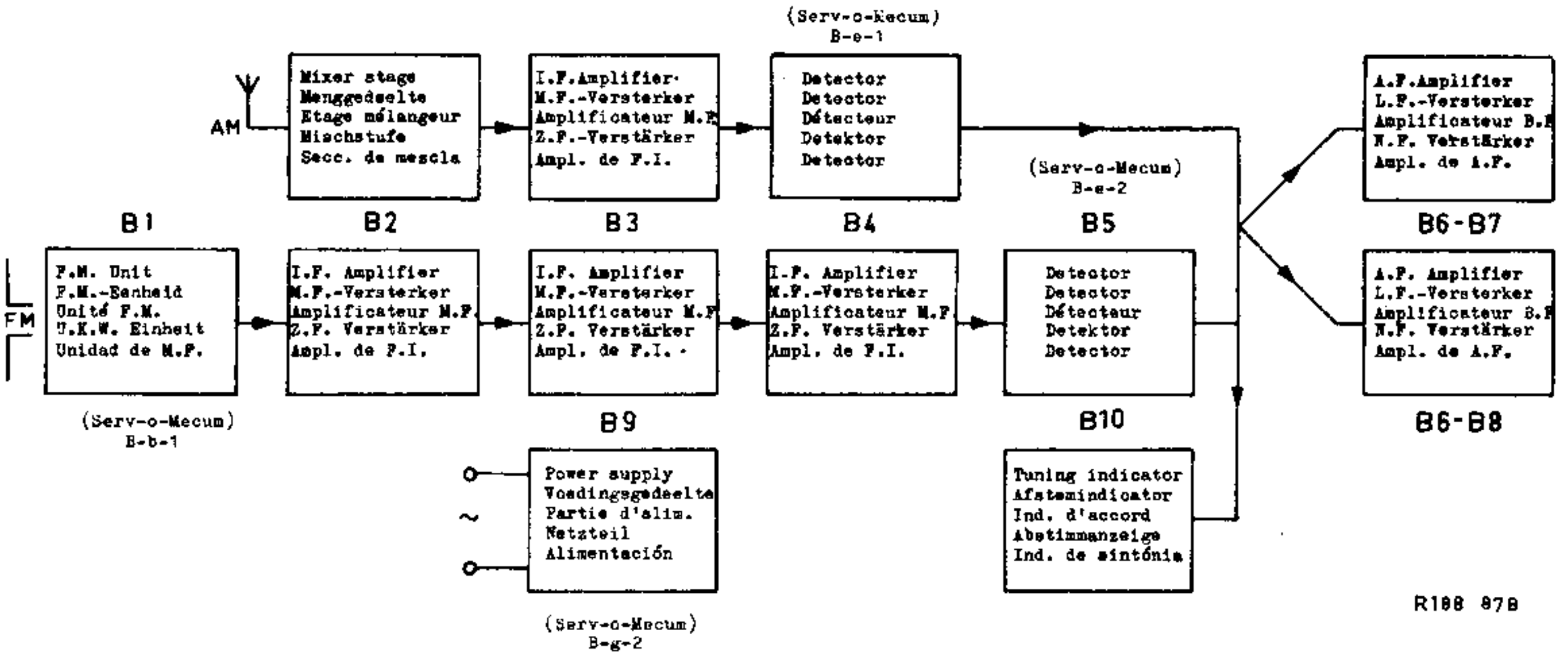


G M L K

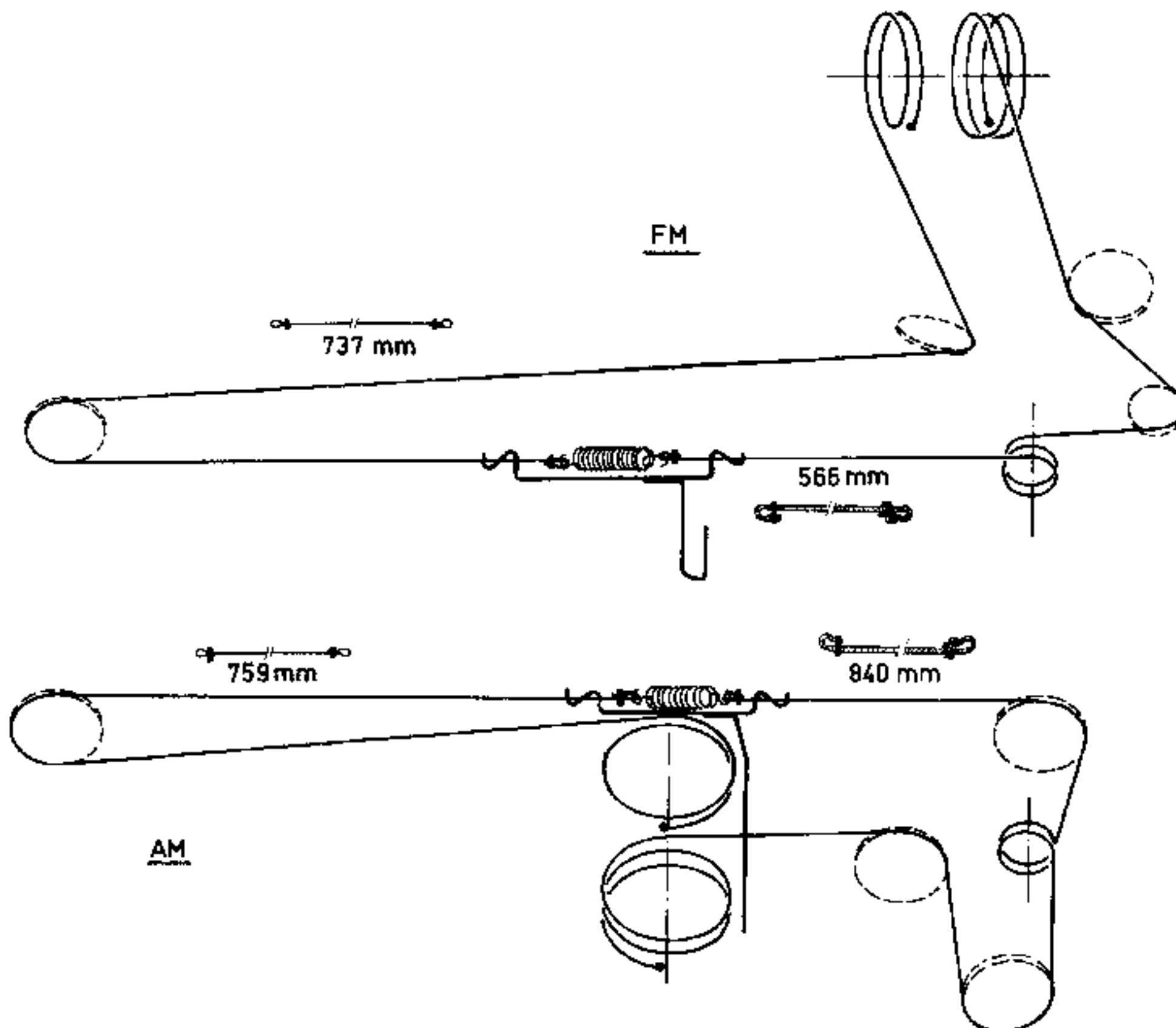




TRA 1417



R188 878



TRA 1408

Cabinet	4822 103 00232	Mueble	4822 103 00232
Foot	4822 162 01067	Pie	4822 162 01067
Dial (NB/FR)	4822 110 00349	Cuadrante (NB/FR)	4822 110 00349
Knob 14	4822 116 00755	Botón 14	4822 116 00755
Knob 1, 8	4822 116 00756	Botón, 1, 8	4822 116 00756
Spring in knob 1,8,14	A3 319 13	Resorte en botón 1,8,14	A3 319 13
Socket, aerial-PU	JR 303 02	Kembrilla, antena-PU	JR 303 02
Socket PU	979/F5x1	Enchufe hembra PU	979/F5x1
Spring fixing 979/F5x1	979/20	Resorte fij. 979/F5x1	979/20
Socket tape recorder	979/5x180	Enchufe hembra magn.	979/5x180
Socket LS	A3 410 65	Enchufe hembra altavoz	A3 410 65
Voltage adapter	4822 102 00297	Selector de tensión	4822 102 00297
Pulley (20 mm)	P4 120 10/AA	Rollo (20 mm)	P4 120 10/AA
Catch in duplex	4822 108 00661	Patilla de arrastre en duplex	4822 108 00661
Locking pin in duplex	4822 108 00662	Patilla de cierre en duplex	4822 108 00662
Lamp holder	A3 311 15	Portálampara	A3 311 15
Plate behind dial	A9 885 07	Placa detrás cuadrante	A9 885 07
Push button 2-7	4822 107 00625	Tecla 2-7	4822 107 00625
Push button 9-13	4822 107 00624	Tecla 9-13	4822 107 00624
Escutcheon for EM80	A3 758 24	Ventanilla EM80	A3 758 24
Spring fuse holder	A3 810 77	Resorte portafusible	A3 810 77
FM unit	A3 265 61	Unidad FM	A3 265 61
S1	Mains transformer.	Ferrocubo bead	
S2	Nettransformator	Ferrocubekraal	
S3	Transformateur secteur	Perle de ferrocube	
Z1	Netztransformator	Ferrocubepierle	
	Transformador de red	Perla de ferrocube	
S4	Wave trap coil	Aerial coil SW1	
A3 128 75	Sperkringspoel	Antennespoel KG1	
	Bobine de circuit bouchon	Bobine d'antenne OC1	
	Sperkringspoel	Antennenspoel KW1	
	Bobina de trampa	Bobina de antena OC1	
S5	Aerial coil SW2	Oscillator coil SW2	
S6	Antennespoel KG2	Oscillatorspoel KG2	
921/60-187M	Bobine d'antenne OC2	Bobine oscillatrice OC2	
	Antennenspoel KW2	Oscillatorspoel KW2	
	Bobina de antena OC2	Bobina de oscilador OC2	
S7	Ferroreceptor MW-LW	Oscillator coil MW	
S8	Ferroreceptor MG-LG	Oscillatorspoel MG	
922/03	Ferroreceptor PO-GO	Bobine oscillatrice PO	
	Ferroreceptor MW-LW	Oscillatorspoel MW	
	Ferroreceptor OM-OL	Bobina de oscilador OM	
S9	Choke	Absorption coil	
A3 803 61	Smoorspoel	Zuigkring	
	Self	Circuit bouchon	
	Drossel	Saugkreis	
	Choque	Circuito de absorción	
S10	IF circuit FM	Variable capacitor	
C15	MF-kring FM	Variable condensator	
A3 127 83	Circuit FI, FM	Condensateur variable	
	ZF-Kreis UKW	Drehkondensator	
	Circuit FI, FM	Condensador variable	
S11	Oscillator coil SW1	Potentiometer	
S12	Oscillatorspoel KG1	Potentiometer	
S13	Bobine oscillatrice OC1	Potentiometre	
923/16-50M	Oscillatorspoel KW1	Potentiometer	
	Bobina de oscilador OC1	Potenciometro	
C11	50+50 µF 300 V	10000 Ω	0,5 W
C2	8 µF 300 V	22000 Ω	0 W
C3	45 µF 125 V	10 A	08 146 98
C22	150 µF 125 V	200 mA	974/80
		200 mA	974/200

JGB/CB

FOR PARTS WHICH ARE NOT MENTIONED REFER TO OUR CATALOGUE OF PHILIPS SERVICE PARTS - VOOR NIET GEMENDE ONDERDELEN ZIE ONZE CATALOGUS VOOR PHILIPS SERVICE-ONDERDELEN
 POUR DES PIÈCES PAS MENTIONNÉES VOIR NOTRE CATALOGUE POUR PIÈCES SERVICE PHILIPS - VOOR NIET GEMANNTTE TEILE SIEHE UNSEREN KATALOG VON PHILIPS SERVICE EINZELTEILE
 PARA COMPONENTES NO MENCIONADOS SE REMITE A NUESTRO CATALOGO DE ACCESORIOS PHILIPS SERVICE