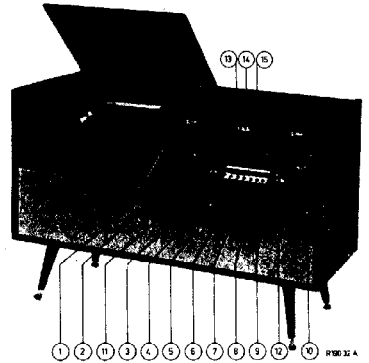


# PHILIPS *Service*

## RADIO

## F8X11A



Controls	Bedieningsorganen	Bedienungsorganen	Organe de commande	Organos de mando
Volume control	1 Volur.-regelaar	Lautstärkereglér	Contrôle de volume	1 Control de volumen
Balance control	2 Balansregelaar	Balanzregler	Reg. d'équil	2 Reg. de equil
Mains-switch	3 Metaschakelaar	Netzschalter	Interr. de réseau	3 Interr. de red
P.U. switch	4 P.U. schakelaar	P.U.-Schalter	Comm. de P.U.	4 Comm. de P.U.
L.W. switch	5 L.G. schakelaar	L.W.-Schalter	Comm. de G.O.	5 Comm. de O.L.
Aerial switch	6 Antennenschakelaar	Antenne-Schalter	Comm. d'antenne	6 Comm. de antena
M.W. switch	7 M.G. schakelaar	M.W.-Schalter	Comm. de P.O.	7 Comm. de O.N.
S.W. switch	8 K.G. schakelaar	K.W.-Schalter	Comm. de O.C.	8 Comm. de O.C.
F.M. switch	9 F.M. schakelaar	U.K.W.-Schalter	Comm. de F.M.	9 Comm. de M.F.
Tuning	10 Afstemming	Abstimmung	Sintonisation	10 Sintonía
Bass control	11 lage tonen regel.	Bassregler	Contrôle des graves	11 Reg. de bajas
Treble control	12 Hoge tonen regel.	Höhenregler	Contrôle des aigües	12 Reg. de altas
Reverberation	13 Druktoets galn	Nachhall	Réverbération	13 Reverberación
Stereo switch	14 Druktoets stereo	Stereo	Stéréo	14 Estereo
Mono switch	15 Druktoets mono	Mono	Mono	15 Mono

Specification	Specificatie	Spezifikation	Specification	Especificación
Loudspeakers	AD 3690 A AD 3700 AM	Luidsprekers	Haut-parleurs	Altavoces
I.F.	455 Kc/s (A.M.) 10,7 Mc/s (F.M.)	M.F.	M.F.	F.I.
Mains voltage	110-127-145-165- 220-245 V	Netspanningen	Tensions de réseau	Tensiones de red
Consumption	ca. 115 W	Verbruik	Consumation	Consumo
Dimensions	1097x511x360 mm 43x20 x14"	Afmetingen	Dimensions	Dimensiones
Record changer	AG 1024-95M	Platenwisselaar	Changeur de disques	Cambiadiscoe
F.M. unit	A3 768'85	F.M. eenheid	Unité F.M.	Unidad de F.M.

### Wave ranges - Golfbereiken - Wellenbereiche - Gamme d'ondes - Márgenes de ondas

L.W. - L.G. - G.O. - L.W.	- O.L. :	870 - 2000 m ( 345 - 150 Kc/s)
M.W. - M.G. - P.O. - M.W.	- O.N. :	186 - 578 m (1610 - 519 Kc/s)
S.W. - K.G. - O.C. - K.W.	- O.C. :	24,3 - 51,7 m (12,3 - 5,8 Mc/s)
F.M. - F.M. - P.N. - U.K.W.	- M.F. :	3,43- 3 m (87,5 - 100 Mc/s)

### Valves - Buizen - Röhren - Tubes - Válvulas

B1 - ECC85	B8 - EM 84
B2 - ECH81	B9 - ECC83
B3 - EF 89	B10 - EL 84
B4 - EF 89	B11 - EZ 81
B5 - EABC80	B20 - ECC88
B6 - ECC83	B21 - EF 86
B7 - EL 84	L1-L3 - 8024N-07

SERVICE INFORMATION										

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F8X11A

Serv.-o-Mecum E-a-1 E-a-2 E-a-3	Push button Druktoets Drucktaste Touche pousseiro Pulsador	Trimming point Trimpunt Abgleichpunkt Point de réglage Punto de ajuste	Signal Signaal Signal Signal Señal	Trim Afregelen Abgleichen Régler Ajustense	Indication Aanwijzing Anweisung Indication Indicación
I.F.-M.F.-Z.F.- M.F.-F.I.	7	1	455 Kc/s 33.000 pF-g1B2	S33, S32 S28, S29	Max. output
		3	455 Kc/s	S11, S12, S11	Min. output
R.F. and oscillator circuits	7 + 6	3	610 Kc/s	S25	Max. output
	7	3	610 Kc/s-3SK6	S6 S6a	
H.F. en oscillator kringen	7 + 6	2	1500 Kc/s	C33	
	7	2	1500 Kc/s-3SK6	C10	
Circuits H.F. et oscillateurs	5 + 6	3	172 Kc/s	S14	
			172 Kc/s-3SK6	S13	
	5	3	172 Kc/s-3SK6	S7, S7a	
H.F. und Oszilla- tor Kreise	5 + 6	2	340 Kc/s	C19	
	5	2	340 Kc/s-3SK6	C5	
Circuitos de R.F. y osciladores	5 + 6	2	340 Kc/s-3SK6	C6	
		3	6,38 Mc/s	S23, S5	
	8 + 6	2	11,73 Mc/s	S32, C9	
I.F.-M.F.-M.F.- Z.F.-F.I.	9	87,5 Mc/s	10,7 Mc/s	g1B4 S34 g1B4 S36-S36a g1B3 S30-S31 g1B2 S26-S27	Max. D.V. OV D.V. Max. D.V.
			1500 pF		
			10,7 Mc/s	S58-S21	
R.F. H.F.	9	87,5 Mc/s 100 Mc/s	87,5 Mc/s 100 Mc/s	S55-S56-57 C86, C89	

\* Connect to C56 two resistors of 270 kΩ (1%) connected in series. Connect the D.V. between the point of junction of the resistors and the point of junction, R30, C51.

\* Sluit parallel aan C56 twee in serie geschakelde weerstanden van 270 kΩ (1%). Sluit diodevoltmeter aan tussen het knooppunt van deze weerstanden en het knooppunt R30-C51.

\* Parallel zu C56 zwei in Serie geschaltete Widerstände von 270 KΩ (1%) anschliessen. Das D.V. zwischen dem Knotenpunkt dieser Widerstände und dem Knotenpunkt R30, C51 anschliessen.

\* Connecter en parallèle à C56 deux résistances de 270 kΩ (1%) connectées en séries. Connecter le voltmètre de diode entre le noeud de ces résistances et le noeud R30, C51.

\* Conéctense dos resistencias 270 kΩ (1%) conectadas en serie en paralelo a C56. Conéctese el D.V. entre el empalme de estas resistencias y el empalme R30, C51.

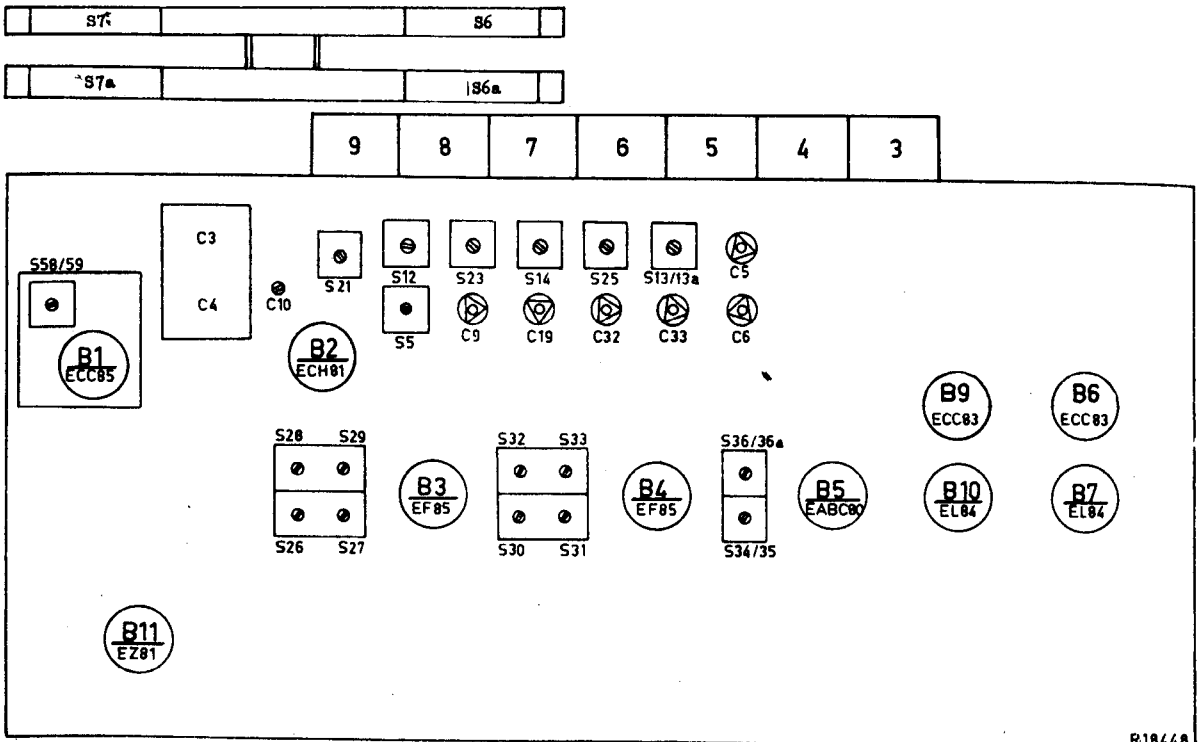
\*\* Remove the resistors of 270 kΩ connect the D.V. again across C56.

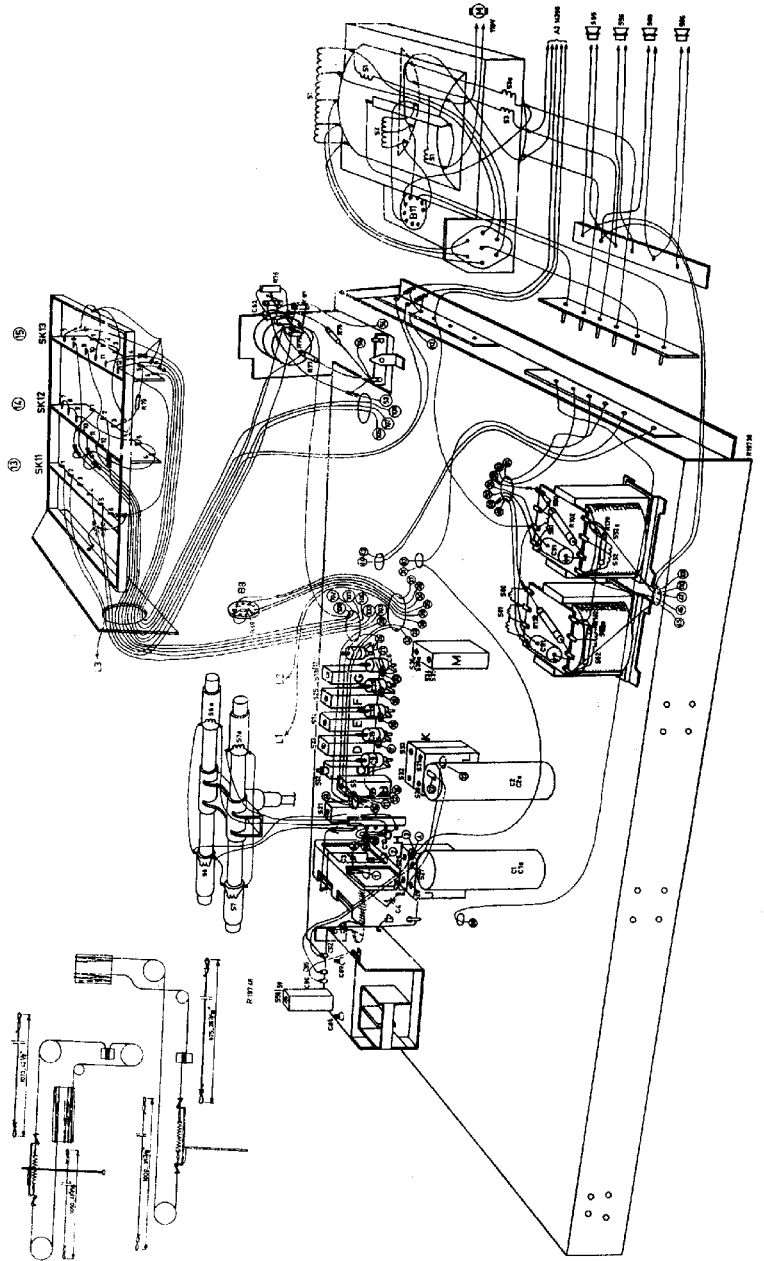
\*\* Verwijder de weerstanden van 270 kΩ en sluit de diode voltmeter aan over C56.

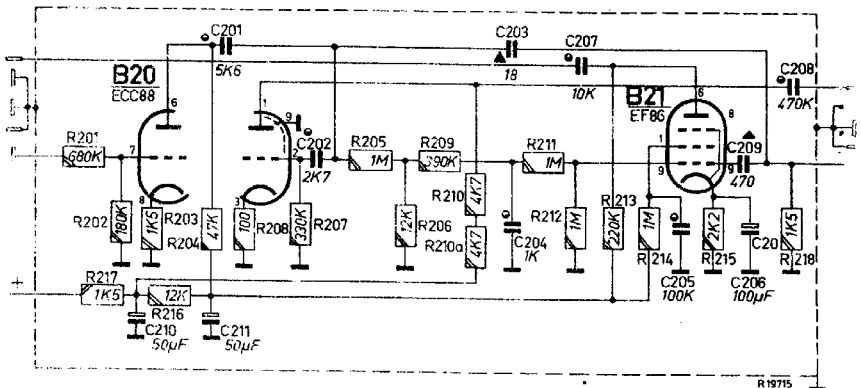
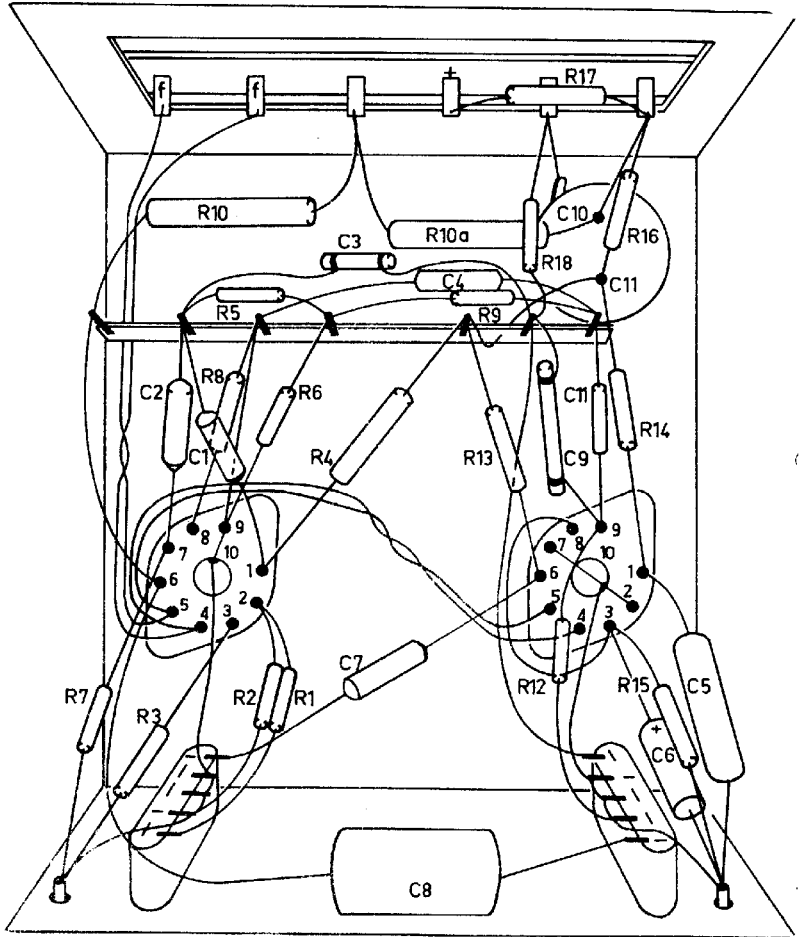
\*\* Widerstände von 270 KΩ entfernen und das D.V. wieder über C56 anschliessen.

\*\* Enlever les résistances de 270 kΩ et connecter le voltmètre de diode à nouveau sur C56.

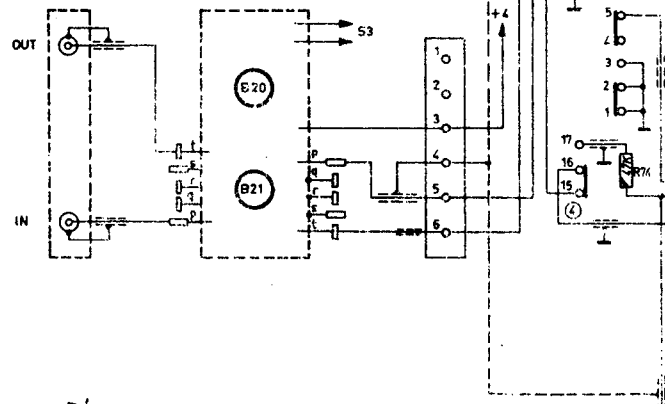
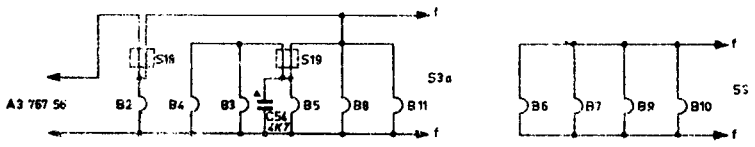
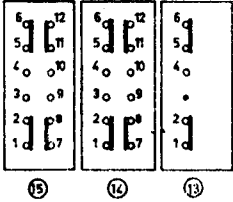
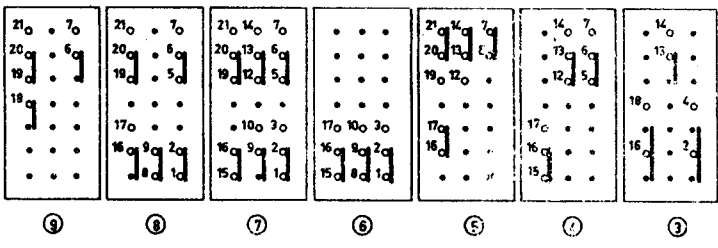
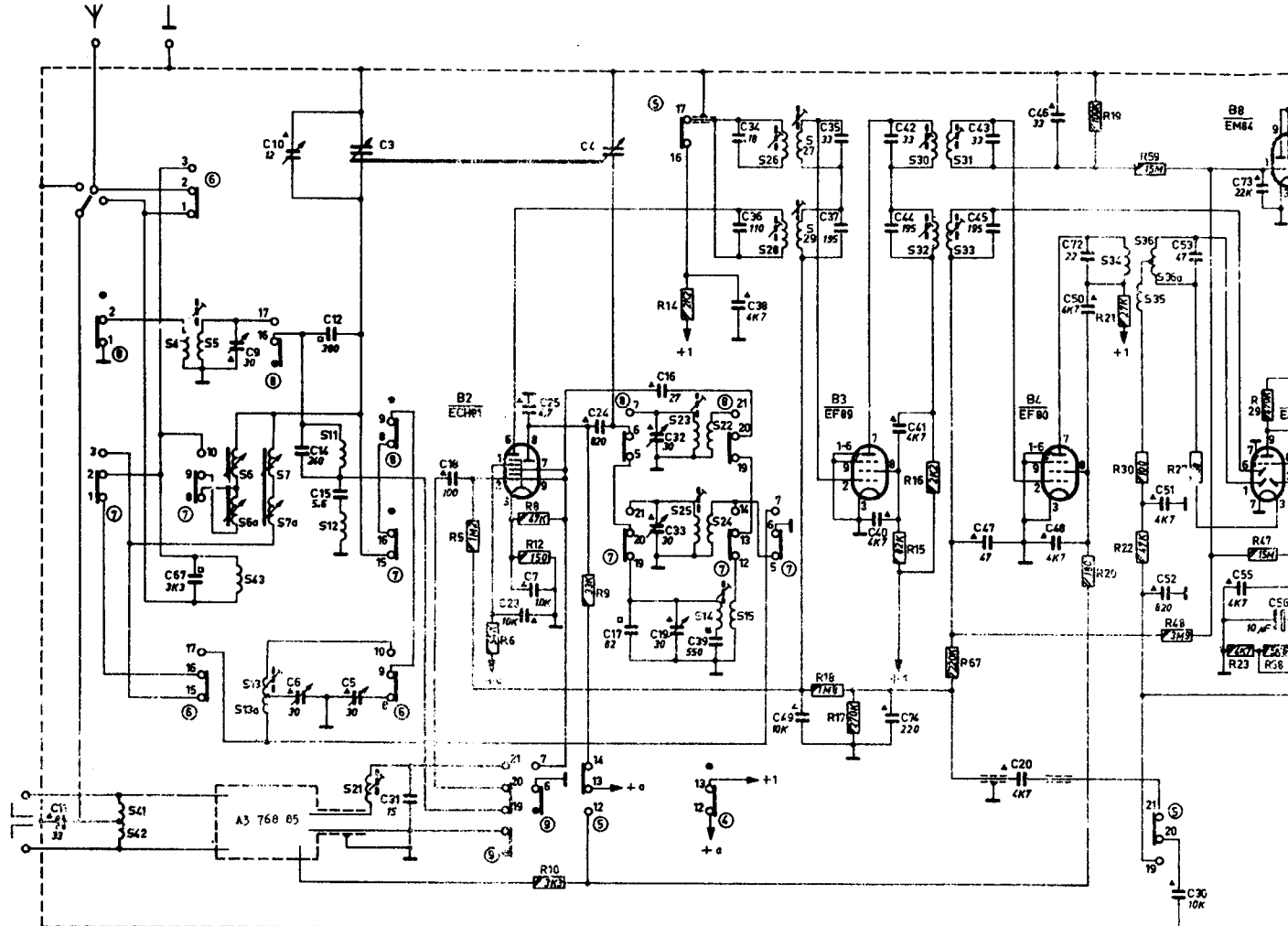
\*\* Quitense las resistencias de 270 kΩ y vuélvase a conectar el D.V. sobre C56.



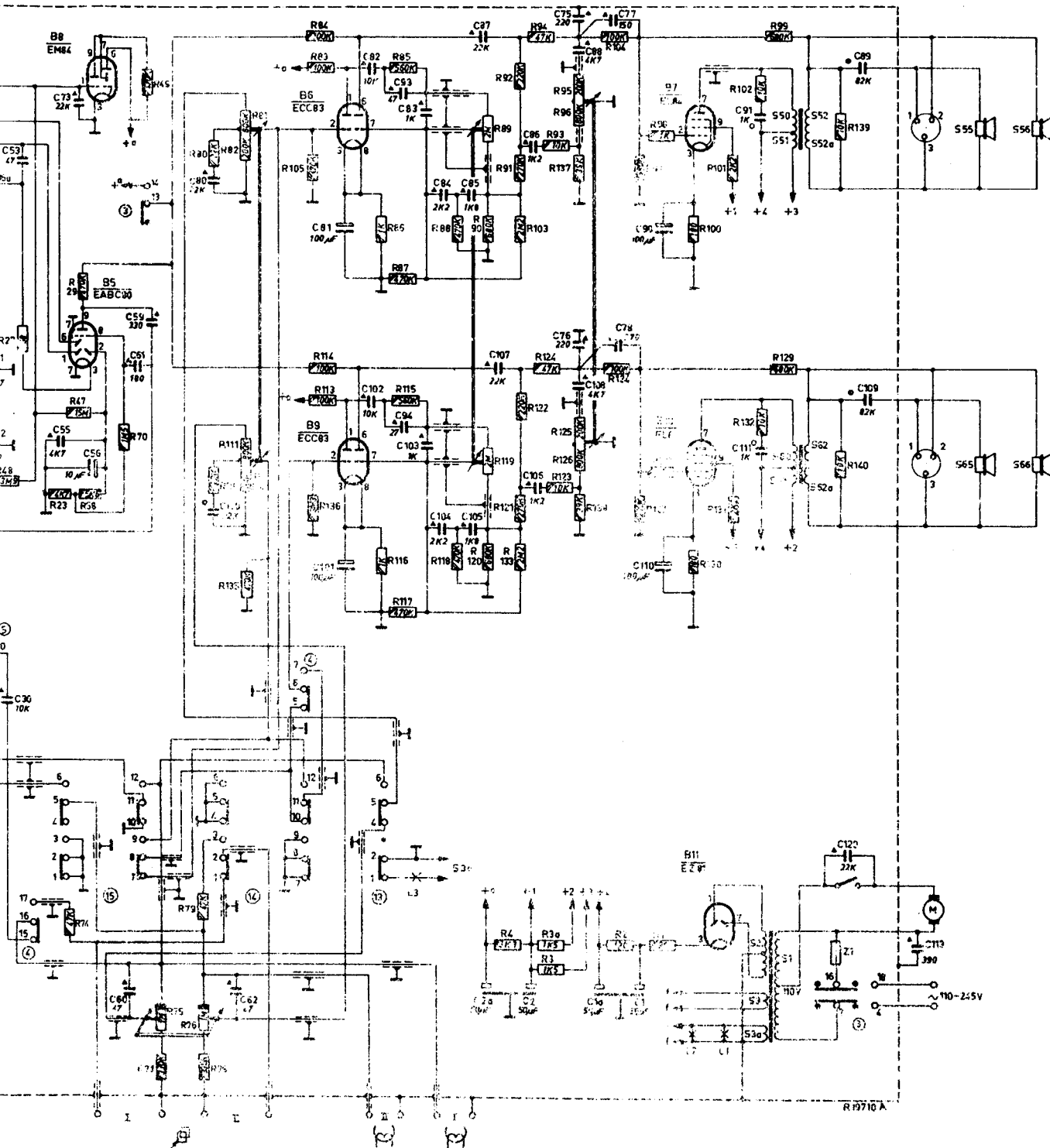




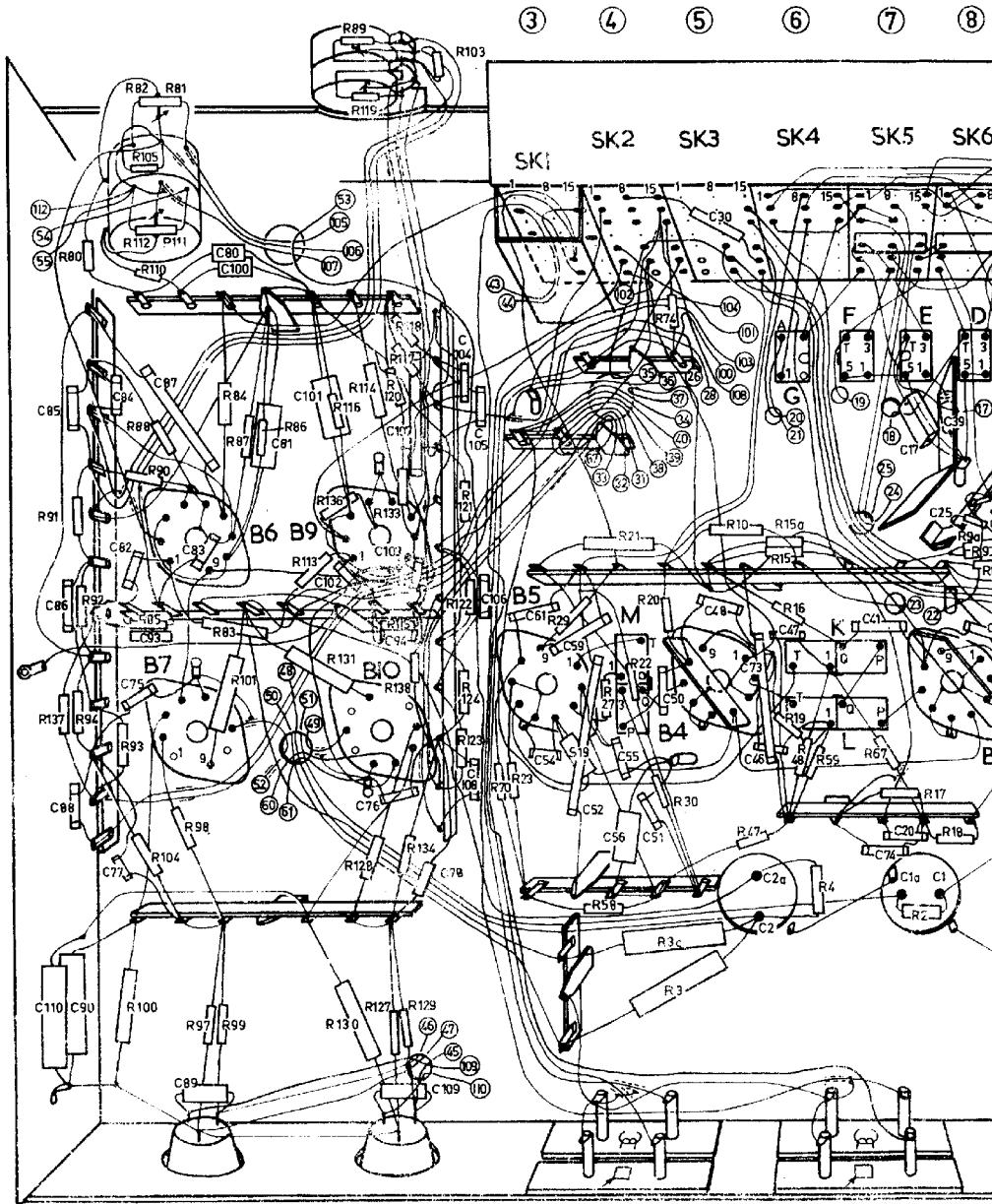
S	4, 5, 6, 6a, 7, 7a,	11,	23, 22,	26, 27, 28, 29,	30, 32, 31, 33,	34, 35, 36, 36a,
S	41, 42,	43, 13, 13a,	12, 21,	19,	25, 24, 14, 15,	
C	9,	10, 14, 12, 3,		25,	24, 1,	16, 32, 34, 36, 36,
C	11,	67,	6,	15, 5, 34,	18,	23,
R			5, 6, 8, 12,	9,		14,
R					10, 17, 15,	67,
R						19, 21, 30, 5a,
R						20,
R						74, 22, 48, 23, 47, 5b,



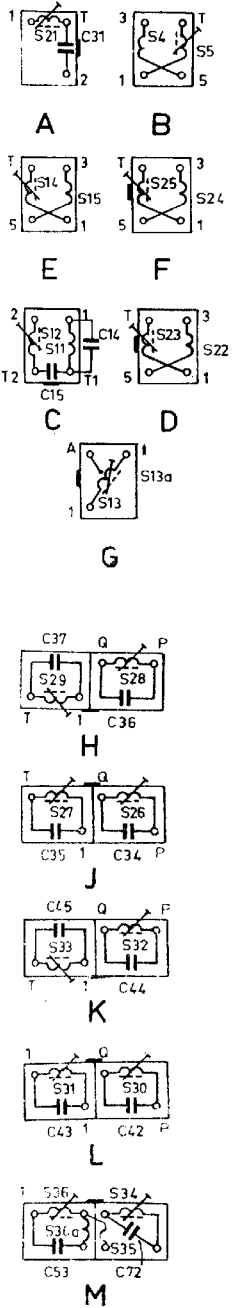
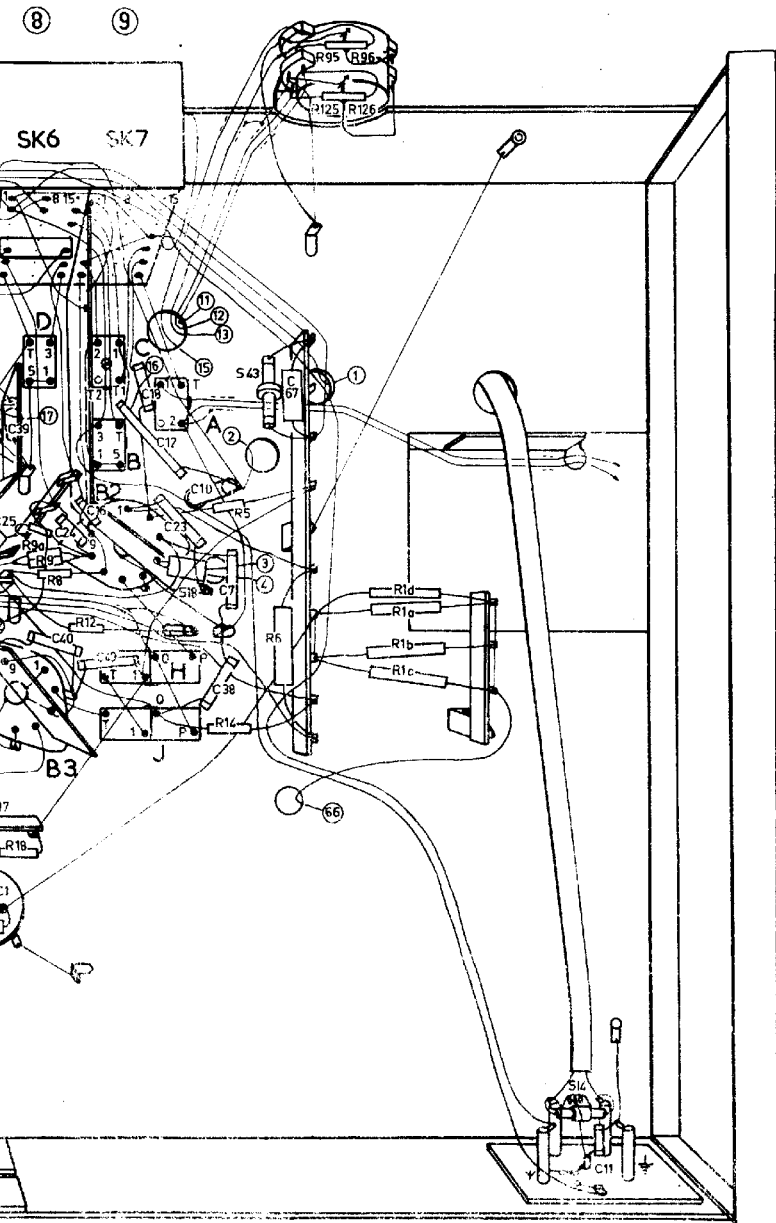
3, 36a.																					1, 2, 3, 3a.	50, 51, 52, 52a.	55, 56,
52, 73,	8a,	80,	81,	82,	93, 83, 84, 85, 87,	86,	75, 88, 77,	90,	91,	60, 61, 62, 62a.	89,	65,	66,										
52, 30,	55, 56,	60, 61,	100, 62,	101,	102,	94, 103, 104, 105, 107, 2a, 2,	106,	76, 108, 78, 1a, 1,	110,	111,	109, 120,	113,											
77,	79,	49,	85,	81, 82,	105, 84, 83,	86, 87, 85,	88,	89, 90, 92, 91, 83,	94, 93, 95, 96, 137, 104,	97, 98, 100,	101,	102, 99,	139,										
12, 48, 23, 47, 58,	70, 76, 77, 76, 78, 79,	110,	111, 112, 135,	136, 114, 113,	116,	112, 115,	118, 120, 119,	4, 122, 121, 133, 124, 123, 125, 126, 128, 3, 3a, 134, 2, 1, 127, 1, 2,	130,	131,	132,	129,	140,										



S	R	M	G, L, K, F	E	D
C 77.110.90.86.	85.88.84.82.93.87.75.89.83.80.100.81.	78.102.101.92.76.107.107.103.104.105.108.106.61.54.59.52.55.56.51.50.	30.48.73.2a.2.46.47	7a.41.20.1a.1.17.39.	40
R 137.	91.94.80.90.104.88.82.81.85.97.101.86.	131.113.119.117.103.101.103.105.103.122.123.103.138.29.	27.21.22.30.20.3a.3.	10.15a.15.48.4.	67.18.9a.9.8.12
R	92.93.100.83.112.111.110.98.99.84.87.105.135.136.16.89.114.107.111.124.23.		58.	74.	47.16.19.59.17.2.



D,	B, C, H, J, A, 3a, 18, 1, 43,	2,	42, 41,
39,	40, 24, 16, 43,	18, 12, 23,	10, 38, 7,
			67,
9a, 9, 8, 12,	5, 14,	6,	95, 96, 1a, 1b, 1c, 1d,
			125, 126,





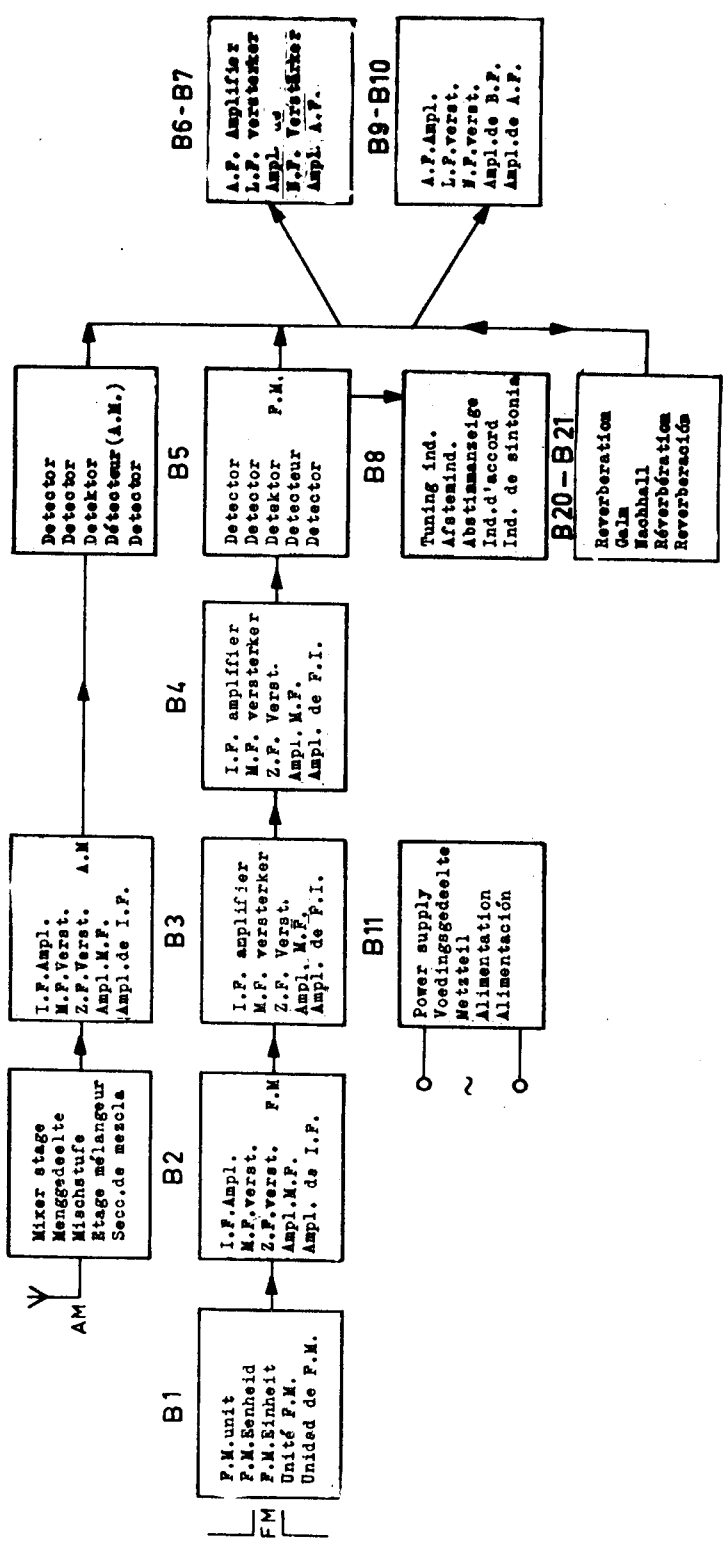
S1 )	S28 )	S41 )	C3 )	R14	E001AD/A2K2	R100	E001AG/A180E
S2 )	S29 )	S42 )	C4 )	R16	E001AD/A2K2	R101	E001AG/A2K2
S3 )	S30 )	S43 )	C56	R75 )	E091ZZ/12	R130	E001AG/A180E
S3a )	S31 )	S50 )	C81 )	R76 )		R131	E001AG/A2K2
VL1 )	S32 )	S51 )	C90 )	R81 )	E091AG/00B17	R217	E001AK/A1K5
S4 )	S33 )	S52 )	C101 )	R82 )			
S5 )	S34 )	S52a )	C110 )	R111 )			
S6-S6a )	S35 )	S60 )	C210-C211 AC 5408/50+50	R112 )			
S7-S7a )	S36 )	S61 )	R1	R89 )	E091AG/00B17		
S8 )	S37 )	S62 )	R2	R119 )			
S14 )	S38 )	S62a )	R3	R95 )			
S15 )	S39 )	C1 )	R3a	R96 )	E091AG/00B17		
	S40 )	C1a )	R10	R125 )			
	S41 )	C2 )		R126 )			
	S42 )	C2a )					

To order parts which are not mentioned in this list we refer to the catalogue for Service Standard Parts.

Voor onderdelen welke niet in deze lijst voorkomen, raadplegen de catalogus voor Service Standard Onderdelen.

Pour la commande des pièces qui ne figurent pas dans cette liste veuillez consulter le Catalogue pour pièces de rechange Standard.

Para aquellas piezas que no figuran en la lista de piezas, consúltese el catálogo para piezas de recambio standard.



CB/GK

Handle	A3 687 05	Handgriep	Handgriff	Poignée	A3 687 05	Asa
Nut for handle	A3 715 27	Moer voor handgriep	Mutter für Handgriff	Ecrin pour poignée	A3 715 27	Tuerca para asa
Grill for loudspeakers	P5 350 55/423/ME	Rooster voor luidsprekers	Gitter für Lautsprecher	Grille pour H.P.	P5 350 55/423/ME	Rejilla para altavoz
Lock	A3 411 98	Slot	Schloss	Serrure	A3 411 98	Cerradura
Phillite leg	P5 280 89/KE	Phillite voetje	Phillite Fuss	Pied de phillite	P5 280 89 KE	Pie de phillite
Plug in lid	P5 341 43/723/KE	Dop in deksel	Stöpsel in Deckel	Bouchon dans le couvercle	P5 341 43/723/KE	Tapón en cubierta
Ornamental window	A3 829 60	Siervenster (13-14-15)	Zierfenster (13-14-15)	Fenêtre enjolivée (13-14-15)	A3 829 60	Ventanilla ornamental
Spring (AG 1024)	A3 830 35	Siervenster	Zierfenster	Fenêtre enjolivée	A3 830 35	Ventanilla ornamental
Screw nipple (AG 1024)	A3 758 40	Veer (AG 1024)	Feder (AG 1024)	Resort (AG 1024)	A3 758 40	Resorte (AG 1024)
Ring (45 r.p.m. records)	P5 515 65/	Schroefnippel (AG 1024)	Schraubnippel (AG 1024)	Manchon fileté (AG 1024)	P5 515 65/	Manquito roscado (AG 1024)
Reverberation unit	P4 380 39/417/UX	Ring (45 omv/min. plate)	Ring (45 U/min. Platten)	Anneau (45 t/m)	P4 380 39/417/UX	Arandela (Discos de 45 r.p.m.)
Grommet for fixing reverberation unit	A3 135 68	Galmunit	Nachhallereinheit	Bloc de réverbération	A3 135 68	Unidad de reverberación
Switch (p.u.)	28 725 52.1	Tülle voor bev. galmunit	Tülle für Bef. Nachhallereinheit	Canon pour réverbération	28 725 52.1	Pasahilo para fijación unidad de reverberación
Mains switch	A3 187 62	Schakelaar (p.u.)	Schalter (P.U.)	Commuteur (p.u.)	A3 187 62	Commutador
Cap (mains switch)	A3 182 78	Netschakelaar	Netzschalter	Interrupteur de réseau	A3 182 78	Interruptor de red
Voltage adaptor	P5 280 25/287/HA	Kapje (netschakelaar)	Kappe (Netzschalter)	Capot (Inter. de réseau)	P5 280 25/287/HA	Tapadera (Int. de red)
Switch plate (loudsp.)	A3 228 85	Spanningsomschakelaar	Spannungsumschalter	Carrousel	A3 228 85	Cambiador de tensión
Knob (1)	A3 776 43	Omschakelplaat (luidspr.)	Umschaltplatte (Lautspr.)	Plaque de commutation (H.P.)	A3 776 43	Placa de conmutación (altavoz)
Knob (2)	A3 752 19	Knop (1)	Knopf (1)	Bouton (1)	A3 752 19	Botón (1)
Knob (10)	A3 769 87	Knop (2)	Knopf (2)	Bouton (2)	A3 769 87	Botón (2)
Knob (11+12)	A3 783 84	Knop (10)	Knopf (10)	Bouton (10)	A3 783 84	Botón (10)
Push button (3-9)	P4 077 65/417/VW	Knop (11+12)	Knopf (11+12)	Bouton (11+12)	P4 077 65/417/VW	Botón (11+12)
Push button (13-14-15)	P5 420 47/FS	Drukknop (3-9)	Drucktaste (3-9)	Bouton poussoir (3-9)	P5 420 47/FS	Pulsador (3-9)
Contact plate (13-14)	P5 420 22/139/FC	Drukknop (13-14-15)	Drucktaste (13-14-15)	Bouton poussoir (13-14-15)	P5 420 22/139/FC	Pulsador (13-14-15)
Contact slide (13-14)	971/137	Kontaktschuif (13-14)	Kontaktschiebe (13-14)	Tiroir (13-14)	971/137	Placa deslizante (13-14)
Contact slide (15)	971/138	Kontaktenplaat (13-14)	Kontaktschiebe (13-14)	Plaque fixe (13-14)	971/138	Placa portacontactos (13-14)
Contact plate (15)	971/124	Kontaktschuif (15)	Kontaktschiebe (15)	Tiroir (15)	971/124	Placa deslizante (15)
Contact lip (13-14-15)	971/120	Kontaktenplaat (15)	Kontaktschiebe (15)	Plaque fixe (15)	971/120	Placa portacontactos (15)
Contact spring (13-14-15)	971/79	Kontaktlip (13-14-15)	Kontaktschleife (13-14-15)	Contact pour plaque (13-14-15)	971/79	Contacto fijo (13-14-15)
Contact plate (3-9)	971/77	Kontaktveer (13-14-15)	Kontaktfeder (13-14-15)	Ressort de contact (13-14-15)	971/77	Resorte de contacto (13-14-15)
Contact slide (3-9)	971/110	Kontaktenplaat (3-9)	Kontaktschiebe (3-9)	Plaque fixe (3-9)	971/110	Placa portacontactos (3-9)
Male connecting plate (6p)	971/109	Kontaktschuif (3-9)	Kontaktschiebe (3-9)	Tiroir (3-9)	971/109	Placa deslizante (3-9)
Socket plate (6p)	A3 764 54	Stekkerpenplaat (6p)	Stekkerstiftplatte (6p)	Plaque à broches (6p)	A3 764 54	Placa de patillas (6p)
Plug (5p)	A3 764 53	Stekkerbusplaat (6p)	Stekkerbuchsenplatte (6p)	Plaque à douilles (6p)	A3 764 53	Placa de hembrillas
Female plug (5p)	978/M5x1	Steker (5p)	Steker (5p)	Fiche (5p)	978/M5x1	Enchufe macho (5p)
Spring in female plug (5p)	979/F5x1	Contraasterker (5p)	Kontrastecker (5p)	Fiche femelle (5p)	979/F5x1	Enchufe hembra cable (5p)
Female plug (loudsp.)	A3 647 73	Veer in contraasterker (5p)	Feder in Kontrastecker (5p)	Ressort (en fiche 5p)	A3 647 73	Resorte (en enchufe 5p)
Socket plate (2p)	A3 410 65	Contraasterker (luidspr.)	Kontrastecker (Lautspr.)	Fiche femelle (H.P.)	A3 410 65	Enchufe hembra cable (altavoz)
Plug of reverberation unit (1p)	979/2x19	Stekkerbusplaat (2p)	Stekkerbuchsenplatte (2p)	Plaque à douilles (2p)	979/2x19	Placa de patillas (2p)
Grommet for plug (1p)	V3 737 15	Steker v. galmunit (1p)	Steker von Nachhallereinheit (1p)	Fiche pour réverbération (1p)	V3 737 15	Enchufe macho de reverberación (1p)
Drum (F.M. unit)	P5 510 46/150FD	Tulle omstecker (1p)	Tülle um Stecker (1p)	Canon autour de la fiche (1p)	P5 510 46/150FD	Pasahilo en torno de enchufe (1p)
Grommet (F.M. unit)	P4 382 07/799/HA	Trommel (F.M. unit)	Trommel (F.M. Einheit)	Tambour (unité F.M.)	P4 382 07/799/HA	Tambor (unidad M.F.)
Dial	P5 420 09/131	Tulle (F.M. unit)	Tülle (F.M. Einheit)	Manchon (unité F.M.)	P5 420 09/131	Manquito (unidad M.F.)
	928/F8X11A	Schaal	Skaia	Cadran	928/F8X11A	Cuadrante