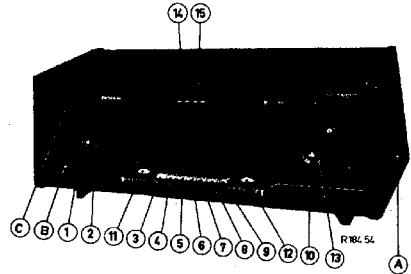


PHILIPS Service

RADIO

B7X94A-00



Controls.

Volume control	1.
Balance control	2.
Mains-switch	3
P.U.-switch	4
L.W.-switch	5
Aerial-switch	6
M.W.-switch	7
S.W.-switch	8
F.M.-switch	9
Tuning	10
Bass control	11
Treble control	12
Tuning	13
Stereo-switch	14
Mono-switch	15

Bedieningsorganen.

Volume regelaar
Balans-regelaar
Netzschaakelaar
P.U. schakelaar
L.G. schakelaar
Antenne-schakelaar
M.G.-schakelaar
E.G.-schakelaar
F.M.-schakelaar
Afstemming
Laage tonen regel.
Hoge tonen regel.
Afstemming
Stereo-schakelaar
Mono-schakelaar

Organes de commande.

Contrôle de volume
Reg. d'équil.
Interr. de réseau
Comm. de P.U.
Comm. de G.O.
Comm. d'antenne
Comm. de P.O.
Comm. de O.C.
Comm. de F.M.
Sintonisation
Contrôle des graves
Contrôle des aigus
Sintonisation
Comm. de stereo
Comm. de mono

Bedienungsorganen.

Lautstärke-regler	1
Balanzregler	2
Netzschalter	3
P.U.-Schalter	4
L.W.-Schalter	5
Antenne-Schalter	6
K.W.-Schalter	7
K.G.-Schalter	8
U.K.W.-Schalter	9
Abstimmung	10
Bassregler	11
Höhenregler	12
Abstimmung	13
Stereo-Schalter	14
Mono-Schalter	15

Organes de commande.

Control de volumen.
Reg. de equil.
Interr. de red
Comm. de P.U.
Comm. de G.O.
Comm. de antena.
Comm. de C.K.
Comm. de C.G.
Comm. de K.F.
Sintonía.
Reg. de bajas
Reg. de altas
Sintonía.
Comm. de stereo
Comm. mono.

Specification.

Loudspeakers	AD 3800 BM AD 2300 B
I.F.	452 Kc/s (A.M.) 10,7 Mc/s (F.M.)
Mains voltage	110-127-145 165-220-245 V
Consumption	Ca. 105 W.
Dimensions	743x290x345 mm 29 x 11 x 14"

Specificatie.

Luidsprekers	Haut parleurs
M.F.	M.F.
Netspanningen	Tensions de réseau
Verbruik	Consommation
Afmetingen	Dimensions

Specification.

Haut parleurs	Lautsprecher
M.F.	M.F.
Tensions de réseau	Netzspannungen
Consommation	Verbrauch
Dimensions	Abmessungen

Spezifikation.

Lautsprecher	AD 3800 BM AD 2300 B
Z.F.	452 Kc/s (A.M.) 10,7 Mc/s (F.M.)
Netzspannungen	110-127-145 165-220-245 V
Verbrauch	Ca. 105 W.
Abmessungen	743x290x345 mm 29 x 11 x 14"

Specificación.

Altavoces.
F.I.
Tensiones de red
Consumo.
Dimensiones.

Wave ranges - Golfbereiken - Gamme d'ondes - Wellenbereiche - Margens 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 (24,3- 5,8 Mc/s).
F.M. - F.M. - F.M. -U.K.W.- M.F. : 3,43- 3 m (87,5- 100 Mc/s).

Valves - Buizen - Tubes
Röhren - Válvulas.

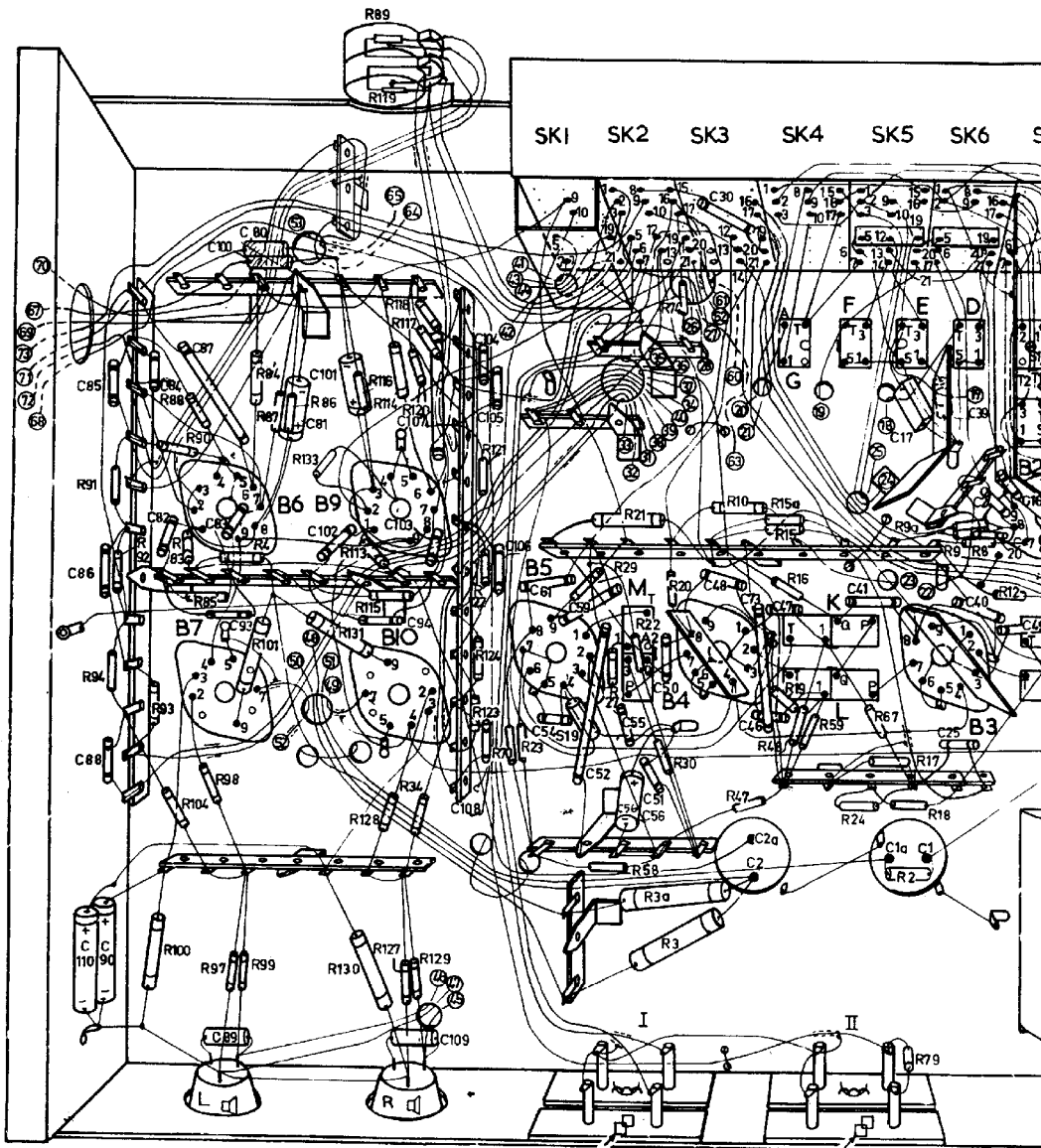
B1 - ECC85	B7 - EL84
B2 - ECH81	B8 - 6X84
B3 - EF 89	B9 - ECC83
B4 - EF 89	B10 - EL 84
B5 - EABC80	B11 - EZ 81
B6 - ECC83	L1-L3-8024N/C7.

SERVICE INFORMATION

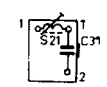
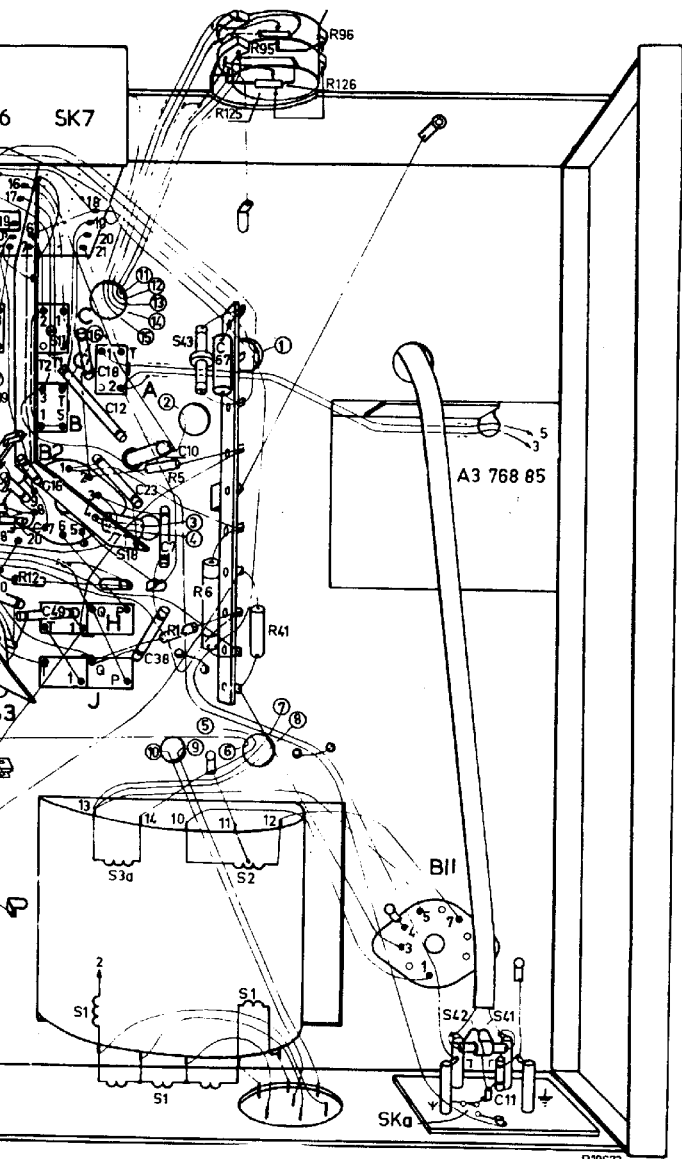
LIST OF PARTS	ORDERDELEN LIJST	LIST DES PIÉCES	ERSATZTEILLISTE.	LISTA DE PIEZAS
S1 } Cabinet S2 } Front (A) S3 } Plate (B) S3a } Plate (B) VL1 } Strip (C)	Kaat Front (A) Plaat (B) Strip (C)	Mueble Front (A) Plaque (B) Gaze (C)	Gehäuse Ansicht (A) Platte (B) Gaze (C)	Mueble Frente (A) Placa (B) Gaza (C)
S4 } S5 } S6 } S7 }	A3 007 76 P5 350 55/159 A3 416 35 A3 752 27 A3 751 59 A3 751 61 P4 077 65/417 P5 420 09/159 P4 382 07/799 P4 382 07/799 978/3x7 A3 228 85 IV 566 65 A3 291 04 A3 291 03 A3 956 52 A3 956 51	Bouton (2) Knob (1+10) Knob (13) Knob (11+12) Tulle (F.M.) Manchon (F.M.) Tambour (F.M.) Connexion (H.P.) Fiche (supl.) Carrrousel Touche (3-9) Touche (15) Touche (14) Cadrans (N) Cadrans (S)	A3 007 76 P5 350 55/159 A3 416 35 A3 752 27 A3 751 59 A3 751 61 P4 077 65/417 P5 420 09/159 P4 382 07/799 P4 382 07/799 978/3x7 A3 228 85 IV 566 65 A3 291 04 A3 291 03 A3 956 52 A3 956 51	Botón (2) Botón (1+10) Botón (13) Botón (11+12) Manguito (M.F.) Tambor (M.F.) Clavija hembra (supl.) Clavija Cam. de tens. Pulsador (3-9) Pulsador (15) Pulsador (14) Cuadrante (N) Cuadrante (S)
S13 } S13a } S14 } S15 }	A3 123 49 A3 127 59	A3 154 13 926/10,7	R1 (3x par.) R2 R3 R3a	R101 E 001 AG/A2K2 R131 E 001 AG/A2K2
<p>To order parts which do not occur in this list consult the Catalogue for Service Spare Parts.</p> <p>Voor het bestellen van onderdelen welke niet in de lijst voorkomen raadpleeg de Catalogus voor Service standaard onderdelen.</p> <p>Pour la commande des pièces qui ne figurent pas dans cette liste, veuillez consulter le Catalogue pour pièces de rechange standard.</p> <p>Zur Bestellung nicht in dieser Liste genannter Ersatzteile siehe den Katalog für Service Standard Ersatzteile.</p> <p>Para las piezas que no figuren en la lista de piezas consulte el catálogo de piezas de recambio standard.</p>				
S11 } S12 } S14 } S15 } VL1 }	A3 143 25 921/24-52M 922/03	S41 } S42 } S43 } S50 } S51 } S52 } S52a } S60 } S61 } S62 } S62a }	C2 } C2a } C3 } C5 } C66 C81 C90 C101 C110	R10 E 001 AG/A3K3 R14 E 001 AD/A2K2 R16 E 001 AD/A2K2 R175 } R176 } R81 } R81 } R111 } R112 } R89 } R115 } R95 } R96 } R125 } R126 }
S4 } S5 } S6 } S7 }	A3 119 70 A3 127 85 923/24-52K A3 125 99	925/452 926/10,7 925/452-2	C2a } C3 } C5 } C90 C101 C110	R100 E 001 AG/A190E R101 E 001 AG/A2K2 R130 E 001 AG/A190E
S13 } S13a } S14 } S15 }	A3 123 49 A3 127 59	926/10,7	R1 (3x par.) R2 R3 R3a	R131 E 001 AG/A2K2 L1 } L2 } L3 }

S																				19.	G. L. K. F. E. D. B									
C	110.90.86.85.88.84.82.	87.89.83.80.100.81.	102.101.	109.107.	103.104.	105.108.106.	61.54.59.52.55.56.51.50.	30.48.73.2a.24.6.47.	41.	1a.1.17.39.	40.24.16.45.																			
R	91.94.	90.104.88.	85.97.41.01.86.	131.	113.719.	115.130.128.	118.	122.123.70.29.	27.	21.22.30.20.3a.3.	10.	15a.15.48.	67.18.79.	9a.9.8.12.																
R	92.	93.100.83.	98.99.84.87.	116.	83.714.	128.121.120.134.121.124.	23.	5A.	74.	47.	16.19.59.	17.2.																		

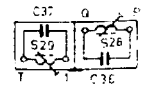
R133



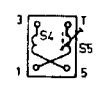
D.	B. C. H. J. A. 3a	18. 1. 43	2.	42. 41.
40. 24. 1649	18. 12. 23	10. 38. 7	67	11.
12.	5. 14.	6. 1. 95. 96.		
125. 126				



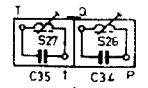
A



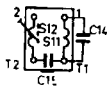
H



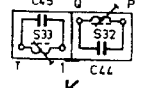
B



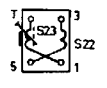
J



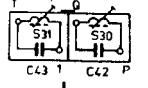
C



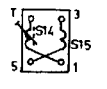
K



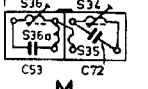
D



L

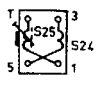


E

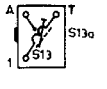


M

R184 02



F



G

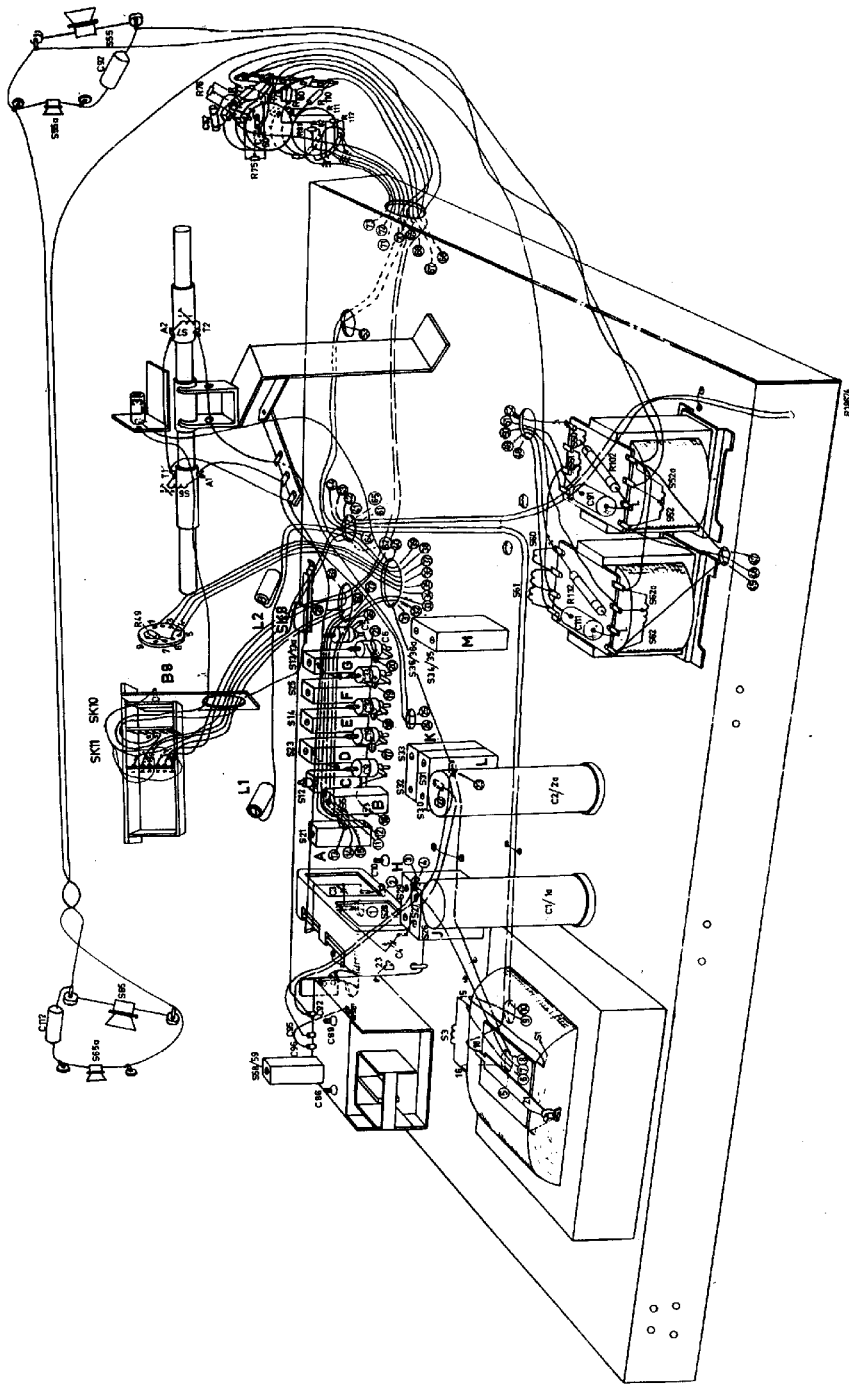


FIGURE 1

Serv-o-mecum.	Push button	Trimming point	Signal	Trim	Indication.	
E-a-1	Drukttoets.	Triempunt	Signaal	Afregelen	Aanwijzing.	
E-a-2	Touche poussoire	Point de réglage	Signal	Régler	Indication.	
E-a-3	Drucktaete	Abgleichpunkt	Signal	Abgleichen	Anweisung.	
	Pulsador	Punto de ajuste	Señal	Ajustése	Indicación.	
I.F. - M.F.	7	1	452 Kc/s 53,000 pF. g152	S33, S32 S28, S29	Max. output.	
M.F. - Z.P. F.I.		3	452 Kc/s	S11, S12, S11	Min. out:ut.	
R.F. and oscillator circuits.	7 + 6	3	610 Kc/s	S25	Max. output	
-----	7	3	610 Kc/s - 3SK4	S6		
H.F. en oscillator kringen	7 + 6	2	1500 Kc/s	S33		
-----	7	2	1500 Kc/s - 3SK4	C10		
Circuits H.P. et oscillateur.	5 + 6	3	172 Kc/s	S14		
-----	5	3	172 Kc/s - 3SK4	S7		
H.P. und oscillator Kreise.	5 + 6	2	340 Kc/s	C19		
-----	5	2	340 Kc/s - 3SK4	C5		
Circuitos de R.F. y oscilador.	8 + 6	3	6,38 Mc/s	S23, S5		
-----	8 + 6	2	11,73 Mc/s	C32, C9		
I.F. - M.F.	9	87,5 Mc/s	10,7 Kc/s	g1H4	S54	Max. D.V.
M.F. - Z.P. F.I.				g1H4	M S36-S36a	C.V. D.V.
				g1B3	M S30, S31	Max. D.V.
				g1B2	S26 - S27	
R.F.	9	87,5 Mc/s	10,7 Mc/s	⌋	S58, S21	Max. D.V.
H.F.		87,5 Mc/s	100 Mc/s	⌋	S55, S56-S7	
		100 Mc/s	100 Mc/s	⌋	C86, C89	

Connect to C56 two resistors of 270 kΩ (1%) connected in series. Connect the D.V. between the point of junction of these 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.

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

Parallel an C56 zwei Widerstände von 270kΩ in Serie geschalteten und dem Knotenpunkt dieser Widerstände und dem Knotenpunkt R30, C51 anschliessen.

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

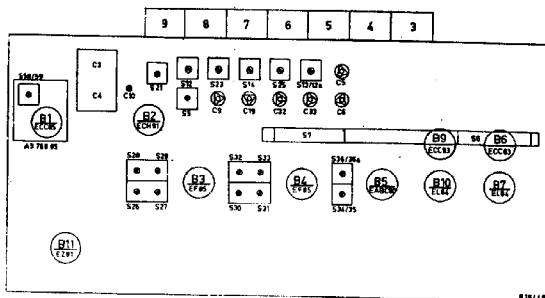
Remove the resistors of 270 kΩ and connect the D.V. again across C56

Verwijder de weerstanden van 270 kΩ en sluit de diodevoltmeter aan over C56.

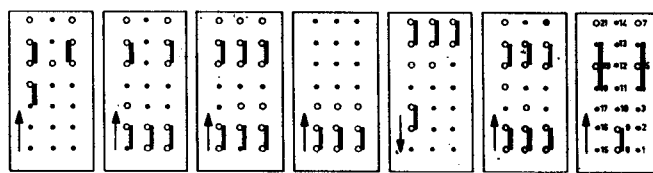
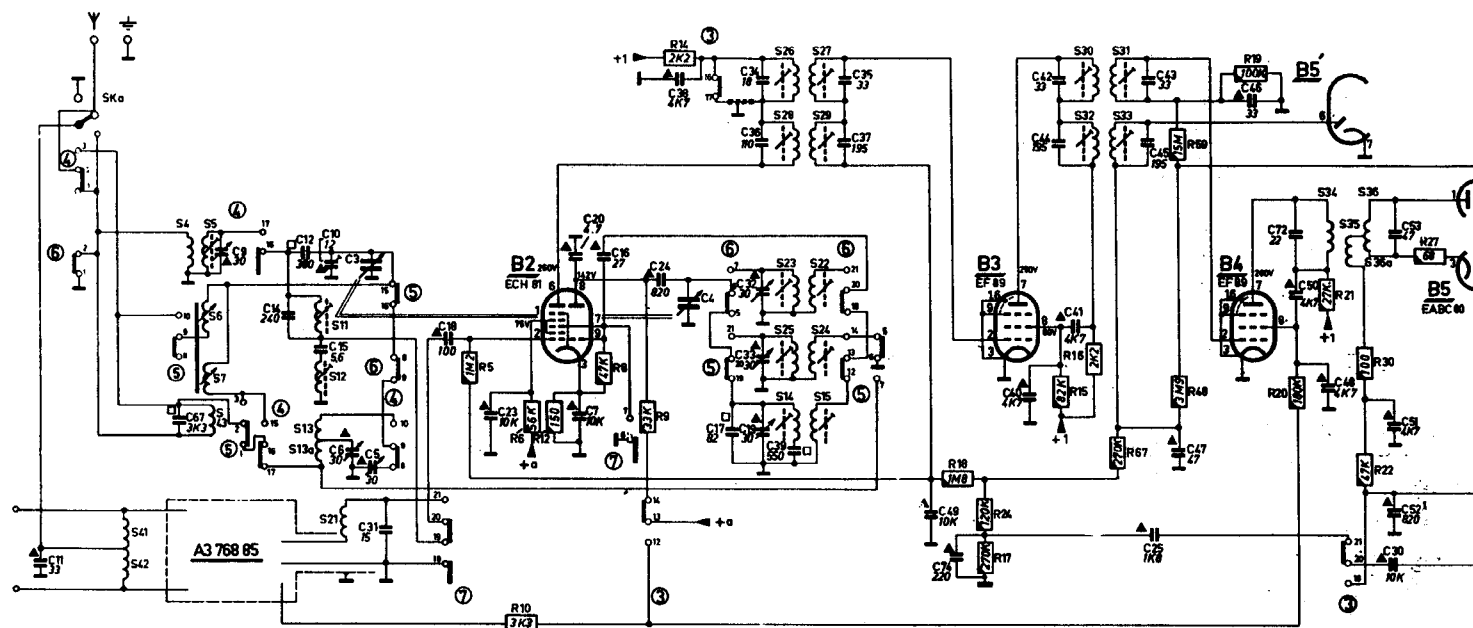
Entlever les résistances de 270 kΩ et connecter le voltmètre de diode à nouveau sur C56.

Widerstände von 270kΩ entfernen und das D.V. wieder über C56 anschliessen.

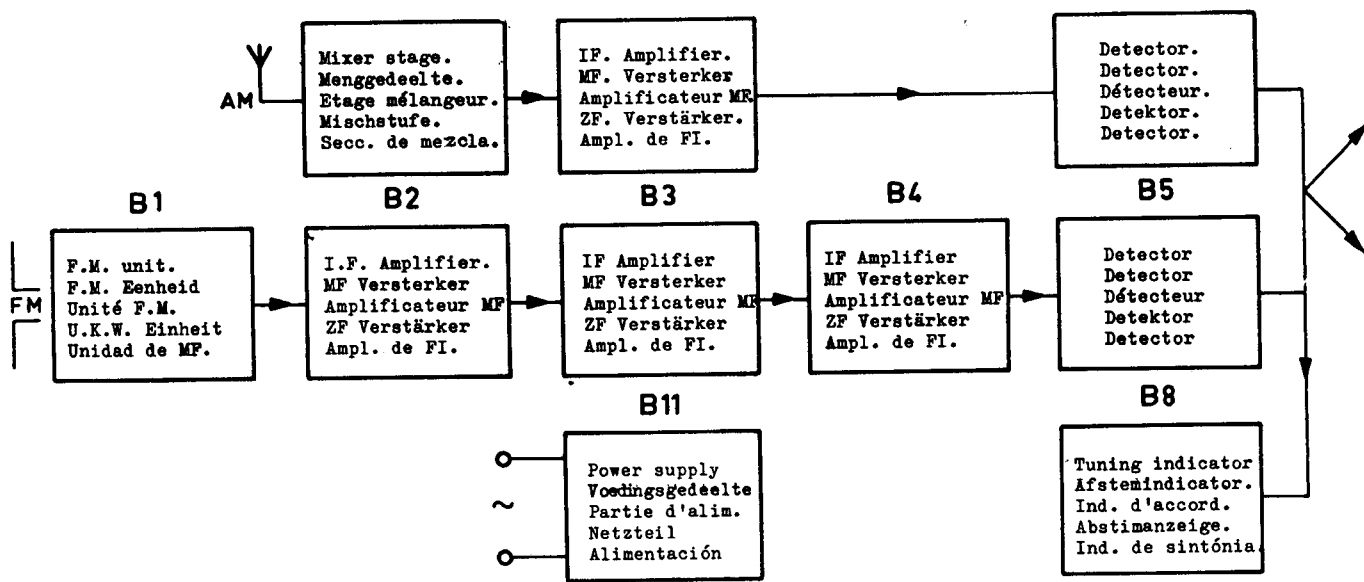
Quitense las resistencias de 270 kΩ y vuelvase a conectar el D.V. sobre C56.



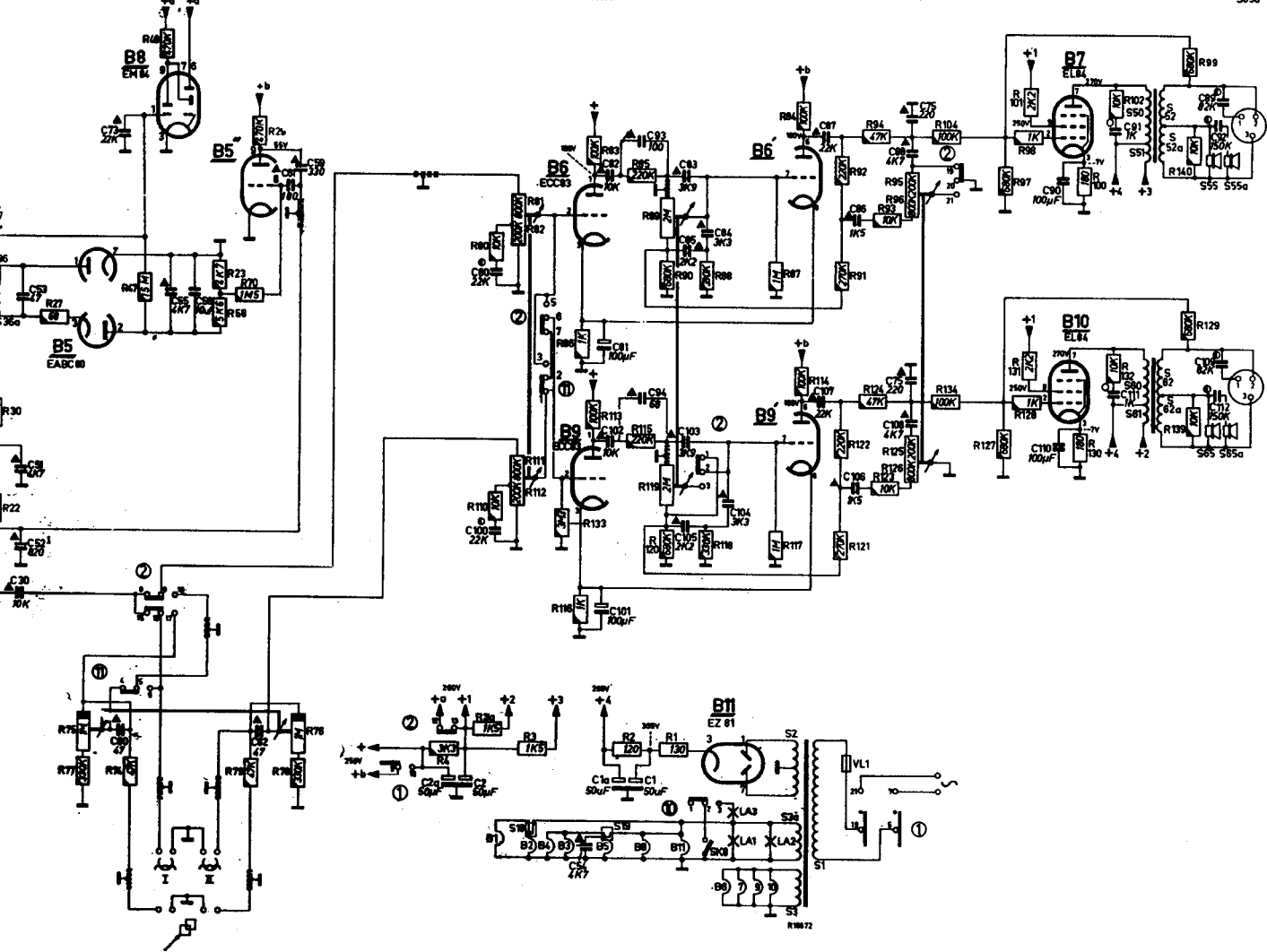
S	41 42	4 5 6 7 43	11 12 13 12 21		26 26 14 24 23 22 27 25 15 27 29		30 32 31 33		34 35 36 38 39
C	11	67 9	14 12 10 15 6 5 31 3	18 23	7 16 28 24	4 17 34 19 36 32 33 38 35 37	49	40 42 44 41	43 45 47
R				5 6 12 8	9 14		18 X	15 16 67	58 48 19 20 21 30 22 27 18 72



⑦	⑥	⑤	④	③	②	①
FM.	SW.	MM.	Aerial.	FM.	PU.	Mains.
-	K.G.	M.G.	Antenne.	-	-	Net.
UKW	O.C.	P.O.	-	UKW	-	Réseau.
FM.	KW	MW	Antena.	FM.	-	Netz.
	O.C.	O.N.				Red.



52, 61, 62, 80	71, 80, 55, 56	62, 61, 59	2a, 2, 80, 100	54, 82, 102, 81, 101, 1a, 1, 85, 103, 83, 105, 84, 104	2, 3, 3g, 1	50, 51, 60, 61, 52a, 62a, 55, 65, 55a
22, 27, 75, 72	34, 41	23, 58, 70, 29, 79, 78, 78	4, 3a, 3	80, 110, 81, 82, 111, 112, 71, 68, 83, 113, 115, 85, 2, 1, 89, 90, 78, 120, 88, 108		90, 110, 91, 111, 82, 89, 109, 112, 140, 99, 129



AF Amplifier
 LF Verstärker
 Amplificateur AF
 NF Verstärker
 Ampl. de AF.

B6-B7

AF Amplifier
 LF Verstärker
 Amplificateur AF
 NF Verstärker
 Ampl. de AF.

B9-B10

