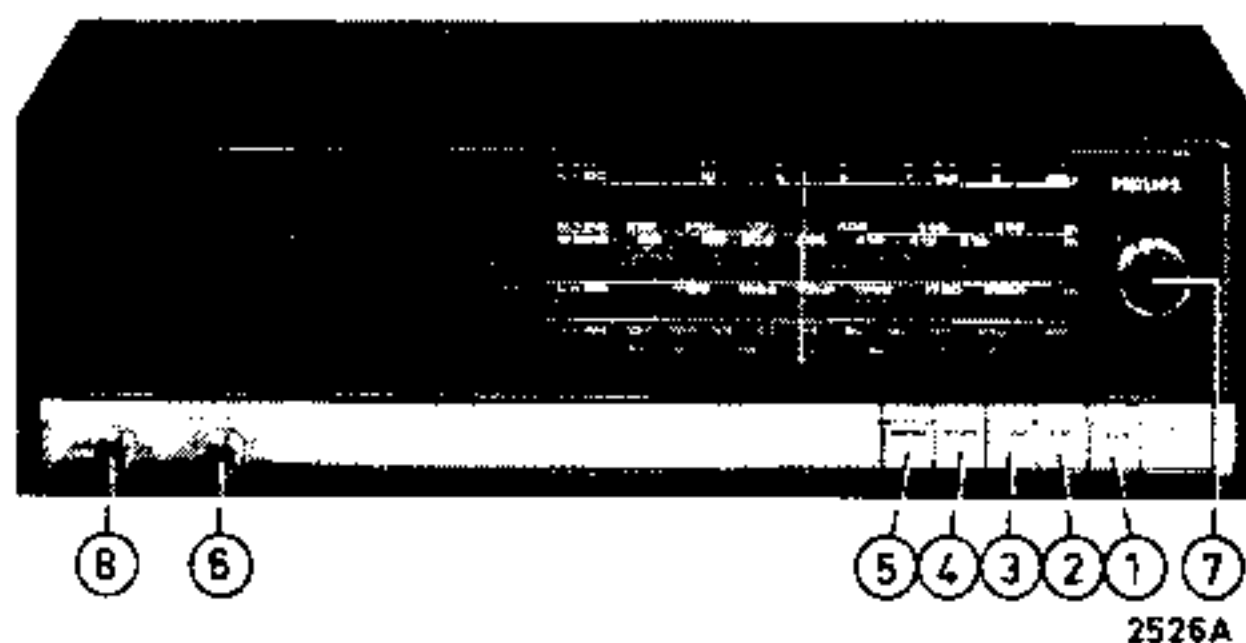


RADIO 22RB212

00Z/22Z

Met dank aan [www.radiomuseum-hengelo.nl](http://www.radiomuseum-hengelo.nl)

# Service manual



# PHILIPS



① FM switch  
FM schakelaar  
Commutateur FM  
FM-Schalter  
Commutatore FM  
FM -omkopplare  
FM-omskifter  
FM-vender  
ULA-kytkin

SK-A

④ MW1 switch  
MG1 schakelaar  
Commutateur PO1  
MW1-Schalter  
Commutatore OM1  
MW1-omkopplare  
MB1-omskifter  
MB1-vender  
KA1-kytkin

⑥ Tone control  
Toonregelaar  
Commande de tonalité  
Klangregler  
Controllo di tono R43  
Tonkontroll  
Tonekontroll  
Tonekontroll  
Sävy

② SW switch  
KG schakelaar  
Commutateur OC  
KW-Schalter  
Commutatore OC  
KV-omkopplare  
KB-omskifter  
KB-vender  
LA-kytkin

SK-B





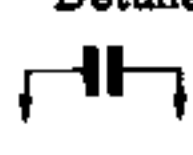










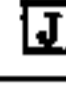




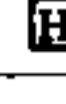










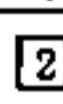






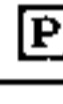

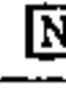










⑤ MW2 switch  
MG2 schakelaar  
Commutateur PO2  
MW2-Schalter  
Commutatore OM2 SK-E  
MV2-omkopplare  
MB2-omskifter  
MB2-vender  
KA2-kytkin

⑦ Tuning  
Afstemming  
Syntonisation  
Abstimmung C1-C3-  
Sintonia C5-C7  
AM-avstämning  
Afstemning AM  
AM-avstemning  
AM-viritys

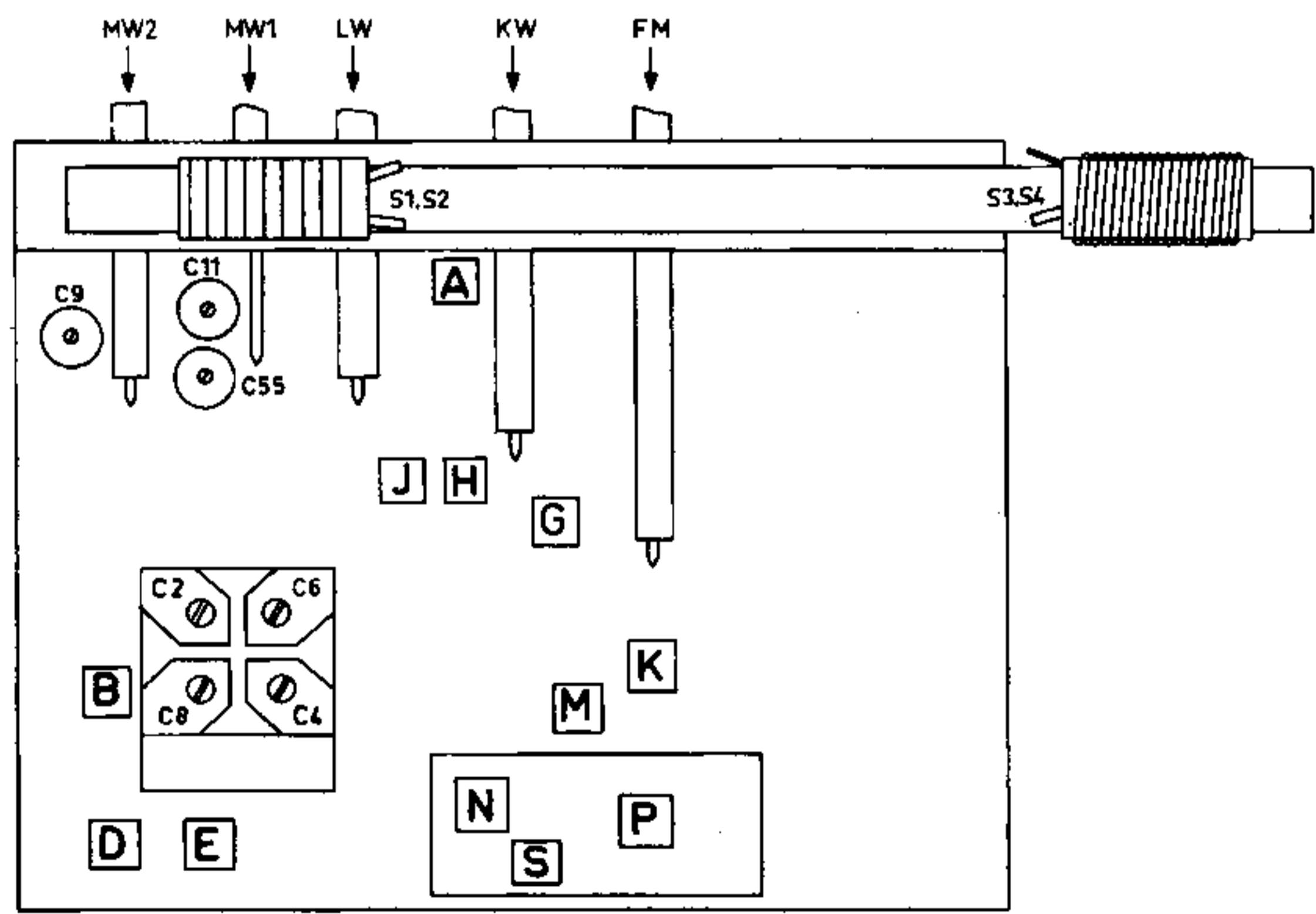
③ LW switch  
LG schakelaar  
Commutateur GO  
LW-Schalter  
Commutatore OL SK-D  
LV-omkopplare  
LB-omskifter  
LB-vender  
PA-kytkin

⑧ Volume control/on-off switch  
Volume regelaar+aan/uit schakelaar  
Commutateur volume+marché/arrêt  
Lautstärkereglér+Ein/Aus-Schalter  
Controllo di volume+interruttore  
Volymkontroll+  
Styrkekontroll+  
Volumkontroll+  
Voimakkuussäädin+

SK-F  
R44

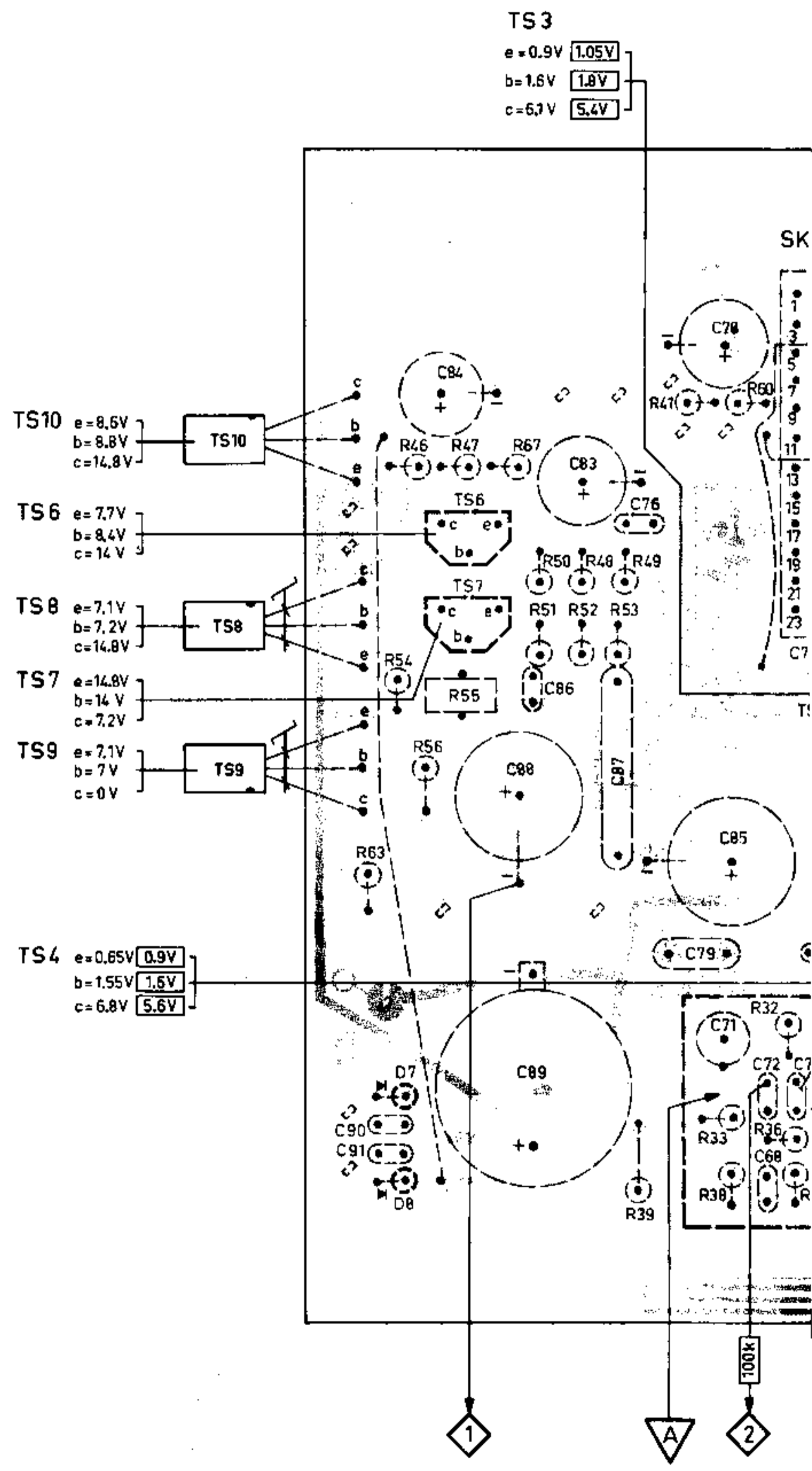
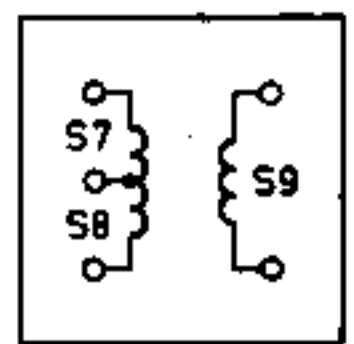
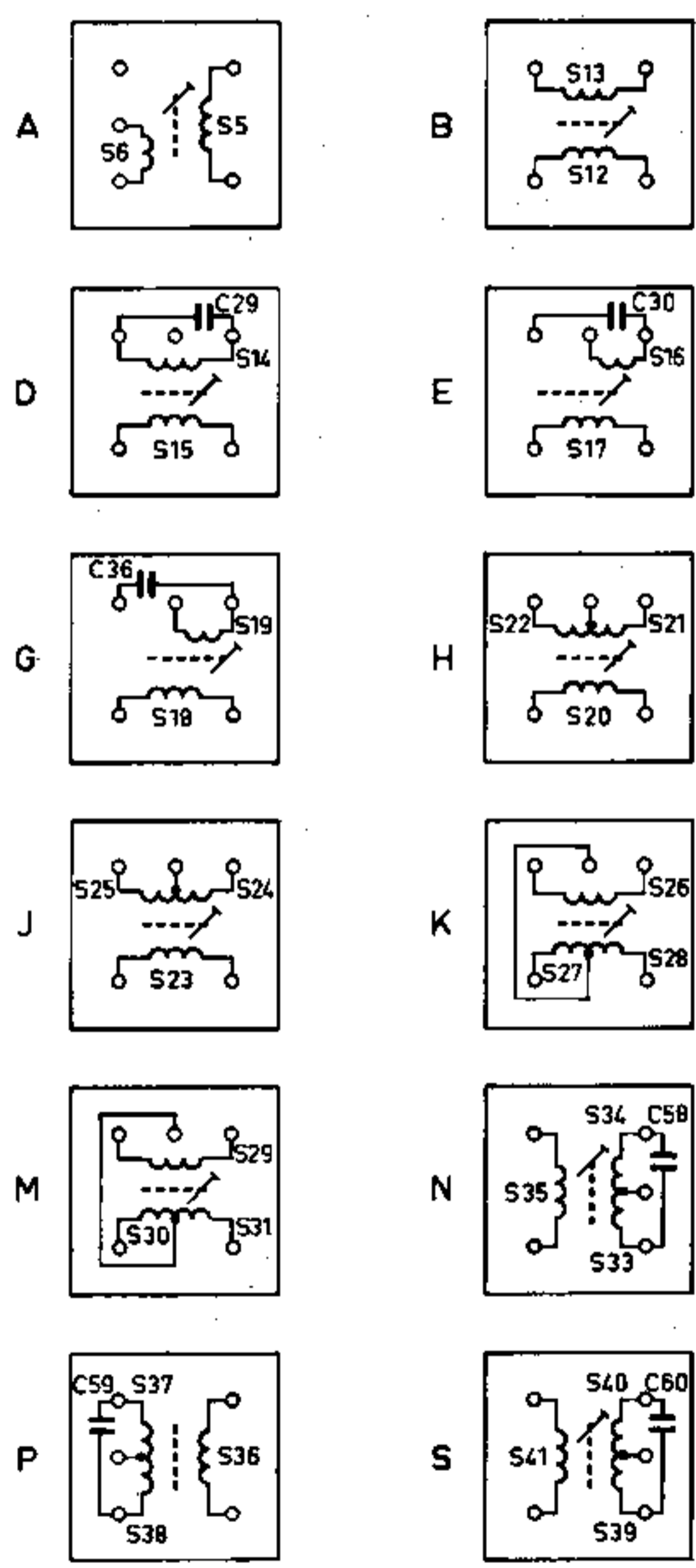
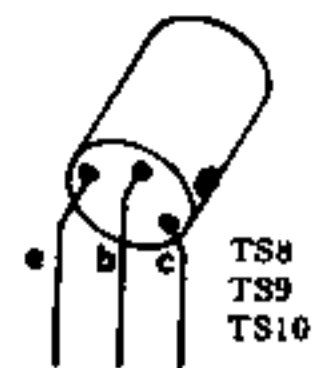
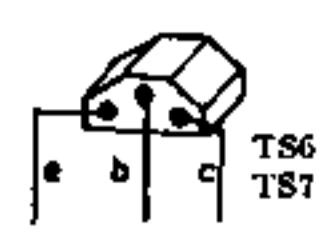
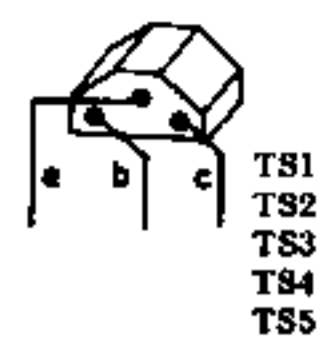
Wave range	Signal to		Var. cap.	Detune	Adjust	Indication
SK....	 → 					
MW2 (1412-1602 kHz)	/00 452 kHz /22 460 kHz +30 % AM via 33 nF	 	max. cap.		  	 max.
MW1 (520-1403 kHz)	1430 kHz via 33 nF 510 kHz via 33 nF		min. cap. max. cap.		C4 	 max.
MW2 (1412-1602 kHz)	1390 kHz via 33 nF		max. cap.		C55	 max.
SW (5.95-9.775 MHz)	5.85 MHz via 33 nF		max. cap.			 max.
LW (151-272 kHz)	160 kHz 260 kHz				S3,4 C11	 max.
MW1 (520-1403 kHz)	550 kHz 1400 kHz				S1,2 C2	 max.
MW2 (1412-1602 kHz)	1500 kHz				C9	 max.
SW (5.95-9.775 MHz)	6 MHz					 max.
FM (87.5-104 MHz)	10.7 MHz 50 Hz Δf=200 kHz via 5 nF	  	max. cap.	 	    	  
FM (87.5-104 MHz)	105 MHz 86.5 MHz 90 MHz 102 MHz		min. cap. max. cap. 		C8 S12,13 S10 C6	 max.

Repeat - Herhalen - Répéter - Wiederholen - Ricominciare - Repetera - Gentag - Gjentas - Tolsta

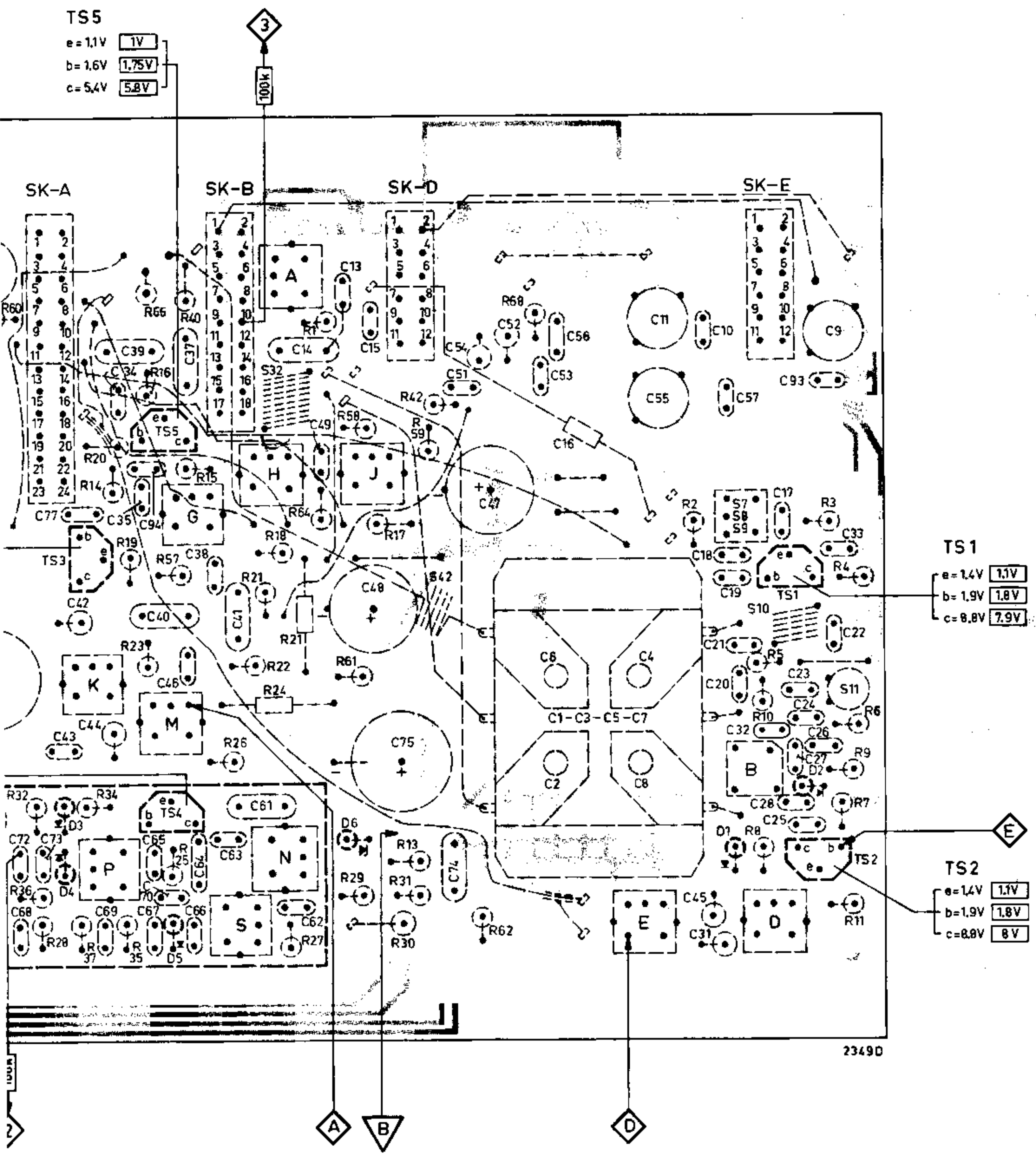


2437A

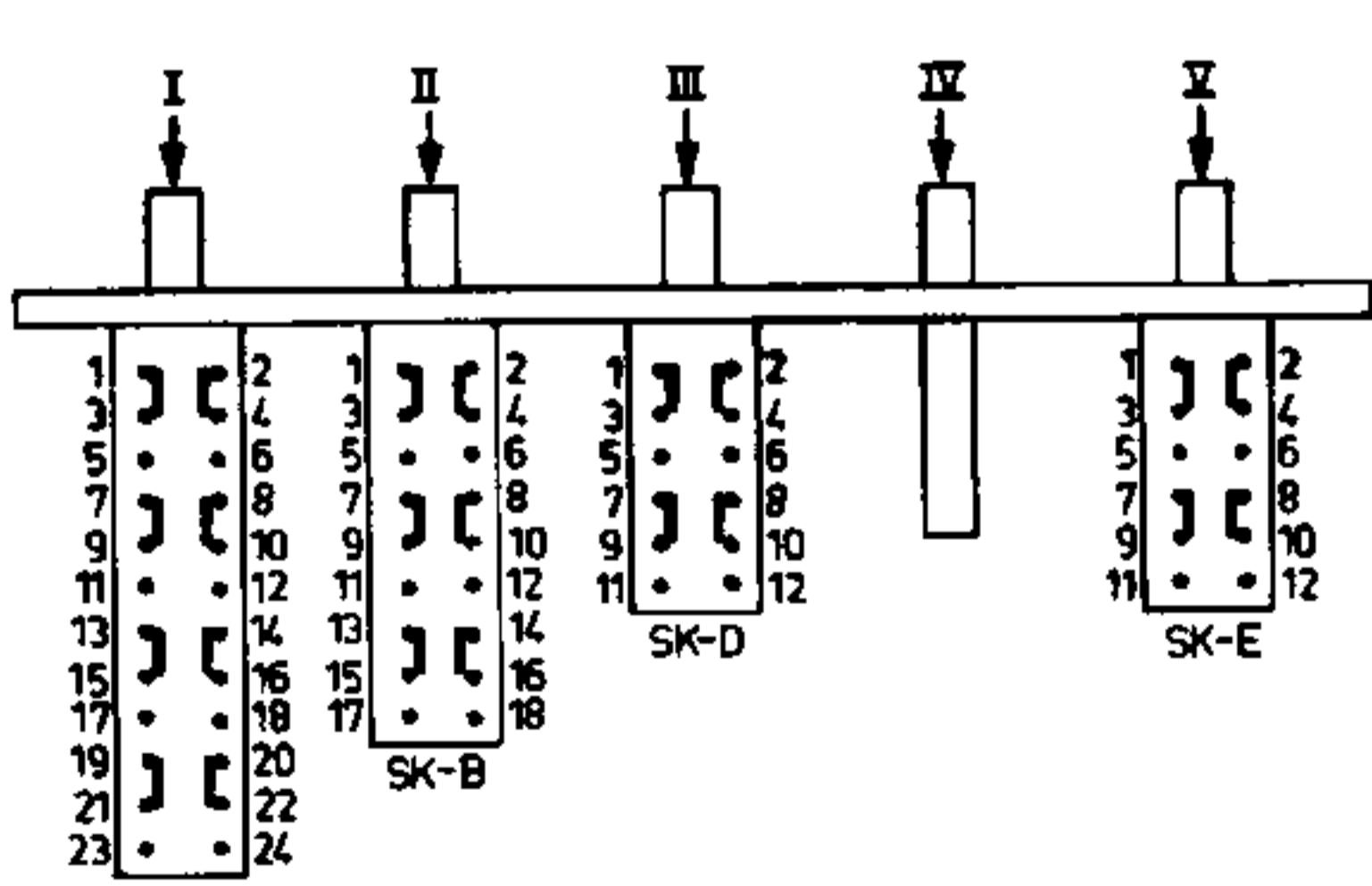
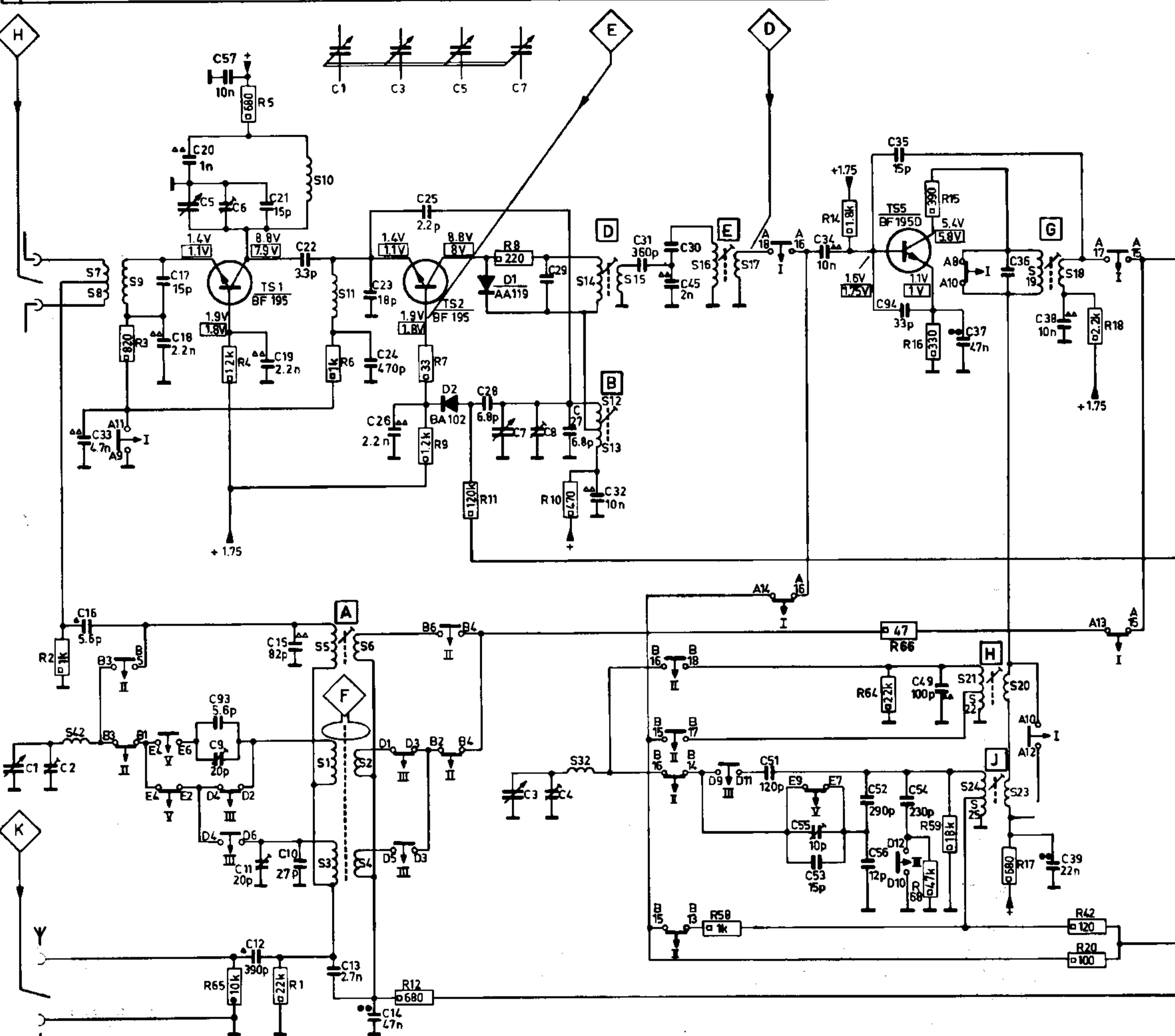
S													
C		84.	83.	76.	78.								
C		88.	86.	87.	79.	85.	43.						
C	91.	90.		69.		72.	71.	68.	73.				
R		46.	47.	67.	50.	48.	49.	41.	60.				
R	63.	54.	56.	55.		51.	52.	53.					
R								39.	38.	33.	36.	32.	28



K, P.	42, M, G.	S, 32, N, H, A.	J.	42.	E.	7, 8, 9, B, D, 10.	11.	S
34, 39.	37.	14, 49, 13, 15.	51, 54, 52, 53, 16, 56.	55, 11.	10, 57.	93, 9.		C
43, 42, 77, 44, 35, 94, 40, 46, 38, 41.		48, 75.	47.	1 + 8.	21, 20, 19, 18, 17, 32, 27, 23, 24, 26, 22, 33.			C
68, 73.	69.	67, 70, 65, 66, 64, 63.	61.	62.	74.	45, 31.	28, 25.	C
0.	20.	66, 16, 40.	1.	58.	59, 42.	68.		R
14, 19, 23, 57, 15, 26, 24, 22, 21, 18, 12, 64, 61.	17.						2, 5, 10.	3, 9, 4, 6.
36, 32, 28.	37, 34, 35.	25.	27.	29.	30, 31, 13.	62.	B.	11, 7.

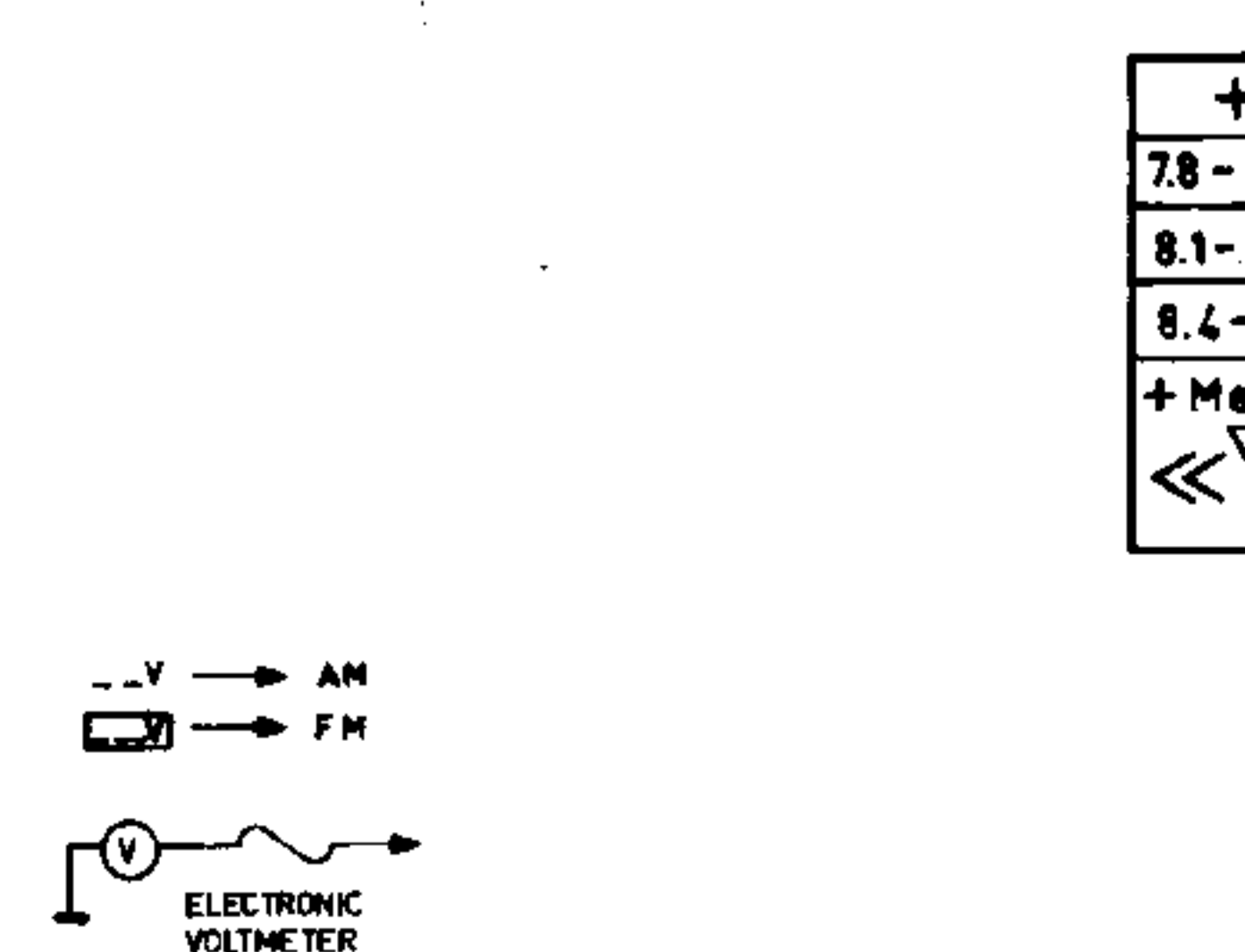


S	42, 7, 8, 9	51, 3, 10, 11, 6, 2, 4	32, 14, 12, 13, 15	16	17	21, 22, 24, 25, 20, 23, 19	18
C	33	17, 18, 20, 5	6, 21, 19, 22	23, 24, 26, 25	28, 7, 8, 29, 27	32, 31, 30, 45	34, 35, 94, 37, 36, 38
C	1, 2, 16	93, 9, 5, 11, 12, 15, 10	13, 14	3	4	50	51, 57, 55, 53, 52, 56, 54, 49, 39
R	3	4, 5	6	7, 9	11, 8	10	14, 16, 15, 18
R	2	65	1	12	58	64, 66, 68, 59	17, 42, 20

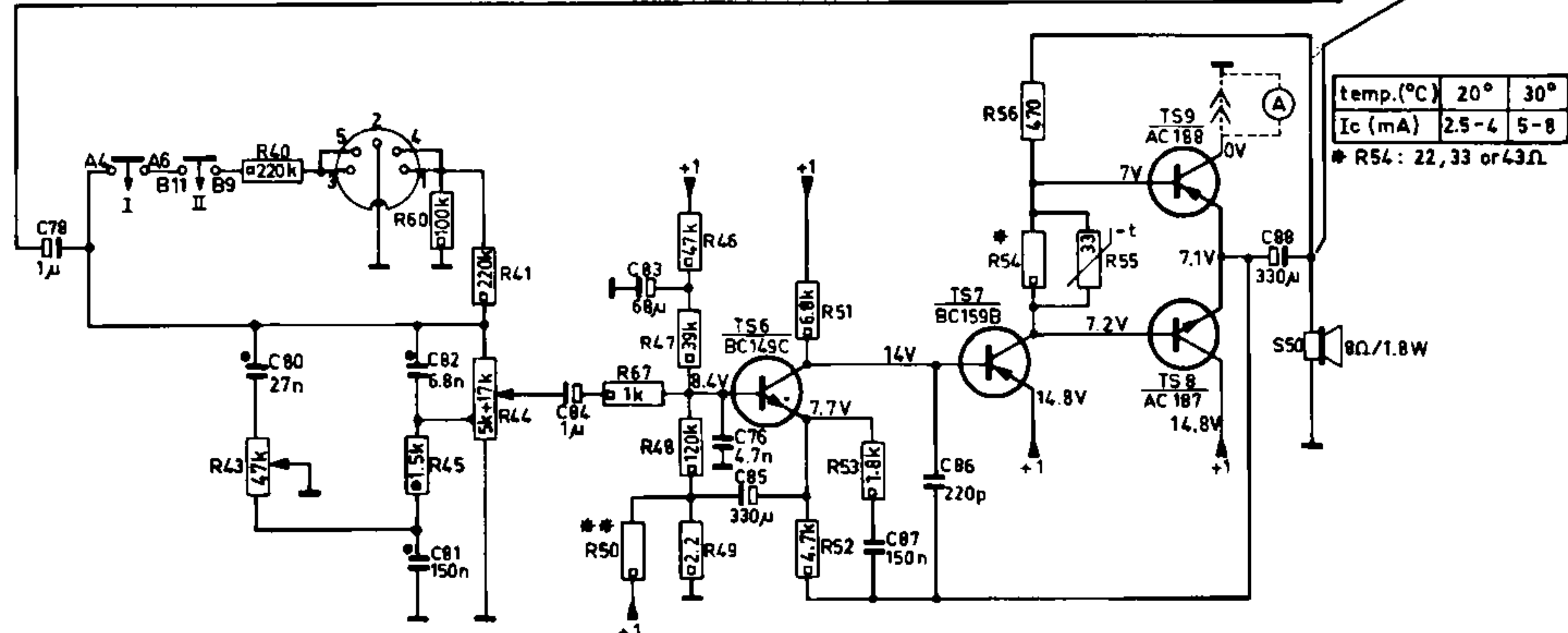
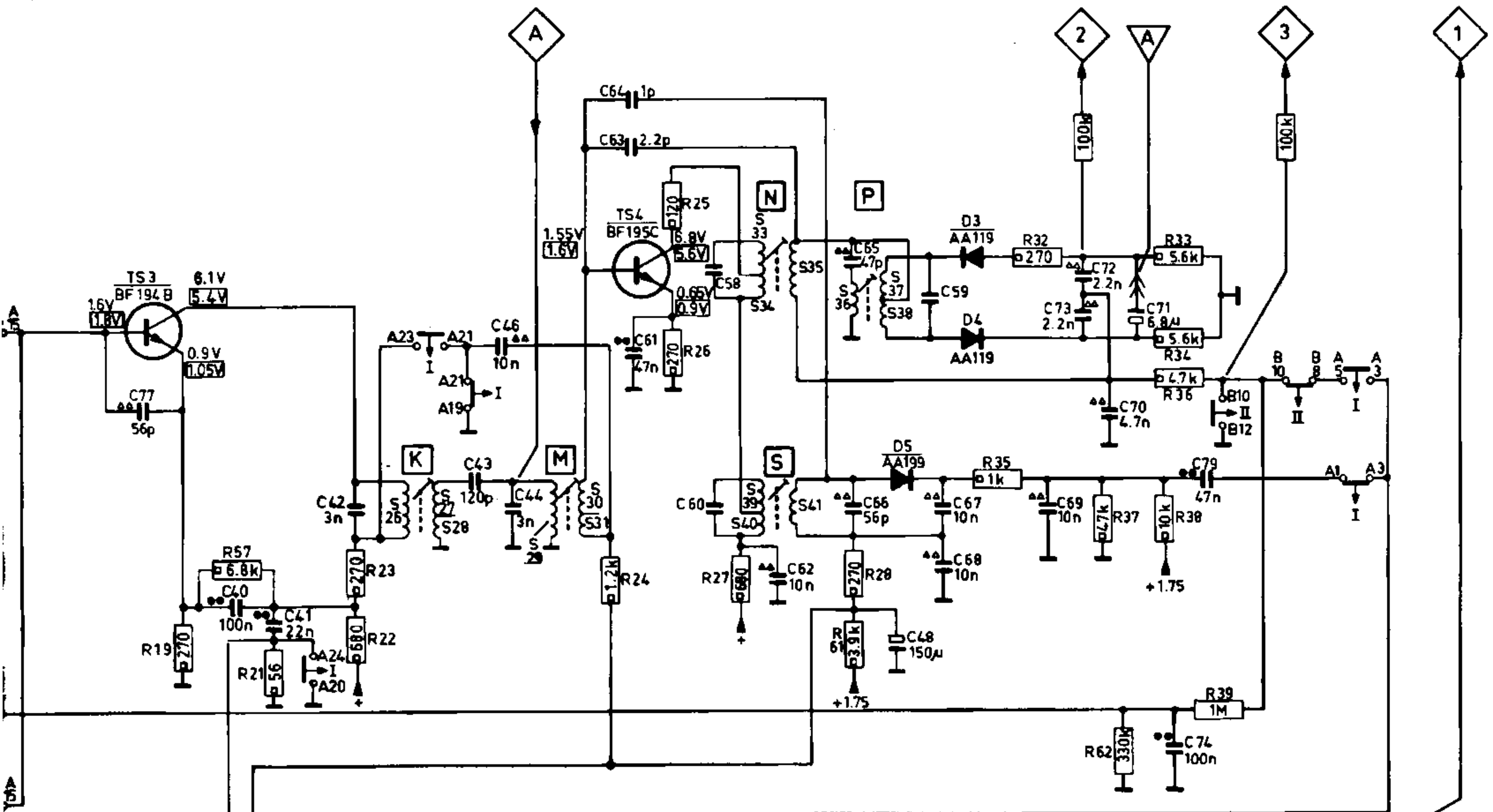


- I - FM
- II - SW
- III - LW
- IV - MW1
- V - MW2
- VI - ON/OFF
- I + II - P U

- Carbon resistor E12 series 0.5 W < 1.5 MΩ 5%  
0.125 W > 1.5 MΩ 10%
- Carbon resistor E24 series 0.125 W 5%
- Carbon resistor E12 series 0.25 W < 1 MΩ 5%  
1 MΩ 10%
- Tubular ceramic capacitor 500 V
- Plate ceramic capacitor 500 V
- Polyester capacitor 400 V
- Flat-foil polyester capacitor
- Miniature electrolytic capacitor



26.	27.28.	29.	30.31.	33.39.34.40.35.41.36.	37.38.54.53.62.51.60.52.	50.	S				
77	40.	41.42.	43. 44.46.	64.63. 61.	60.58.	62.	65.66. 48.59.67.68.	73.69. 72. 70. 71. 74.79.	C		
	78. 47.	75.	80.89.	82.81.	96.84.	83. 90.91.	85.76.	87.	86.	88.	C
	19. 57.	21. 23. 22.		24.	25.26.27.		51. 28.		35. 32.	62. 37. 33.34.36.39.38.	R
	13.31.	29.	30.40.43.	60.63.45. 41. 44.	70. 50.67.47.46.48.49.		53.51.52.		54.56.	55.	R

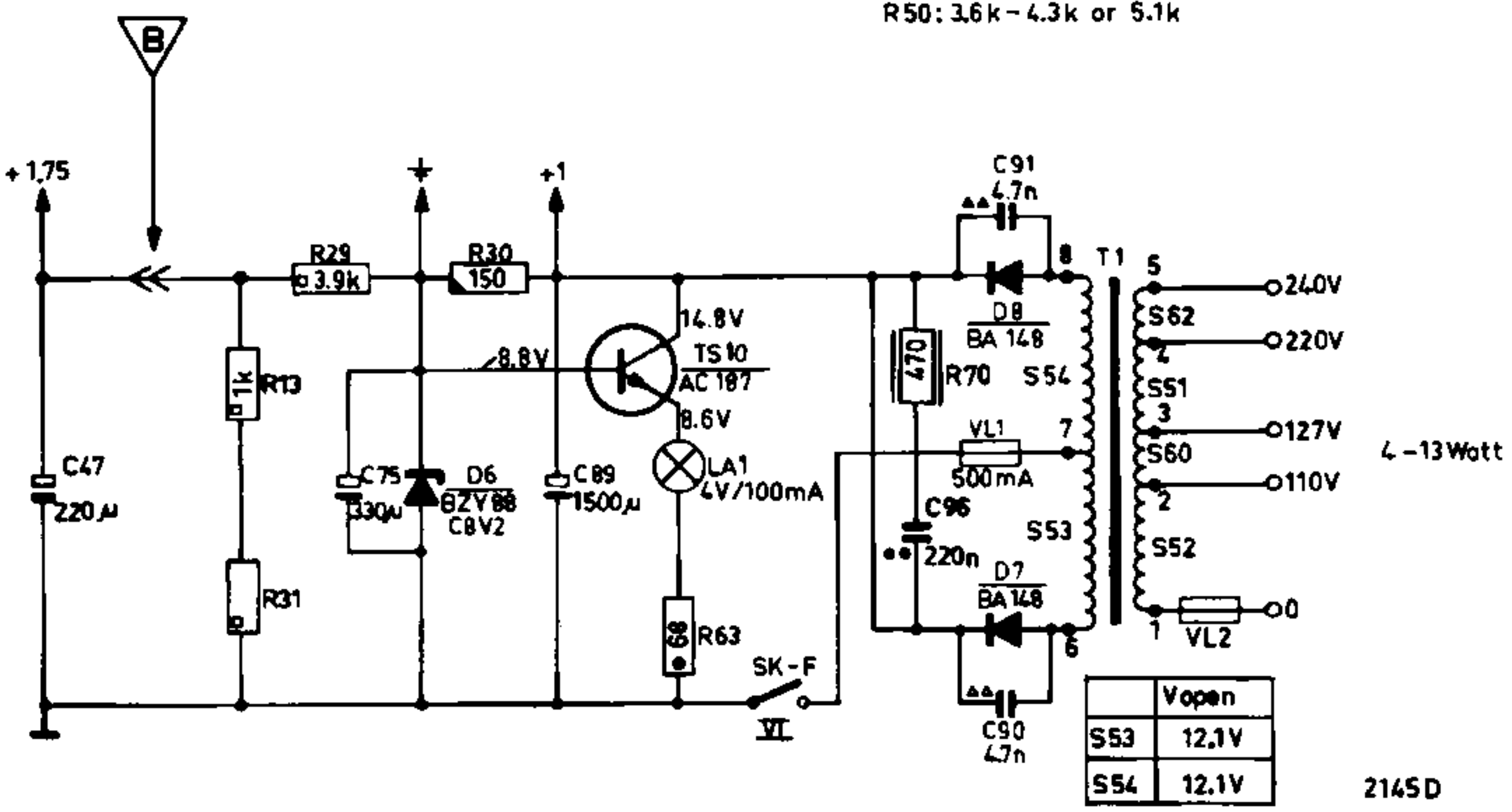


temp.(°C)	20°	30°
Ic (mA)	2.5-4	5-8

\* R54: 22, 33 or 43Ω

\*\* Chosen for min. hum  
R50: 3.6k - 4.3k or 5.1k

+	R31
7.8 - 8.1V	240
8.1 - 8.4V	180
8.4 - 8.7V	120
+ Measured	
<< B open	



	Vopen
S53	12.1V
S54	12.1V

2145D

## GB

- 1 Tune the set.
- 2 Apply a signal to  $\diamond K$  via an artificial aerial.
- 3 Open bridge  $\nabla A$ .  
Adjust for maximum height and symmetry of the band-pass curve.
- 4 Close bridge  $\nabla A$ .  
Connect an oscilloscope to  $\diamond 3$  and adjust the S-curve for maximum symmetry.  
Connect a d.c. meter to  $\diamond 3$  and check the zero passage of the S-curve.
- 5 Apply a signal to  $\diamond H$  via artificial aerial.
- 6 The signal-feed leads should be kept as short as possible. If necessary, the earth on the p.c. board should be used to prevent oscillating.

## F

- 1 Accorder l'appareil.
- 2 Appliquer un signal à  $\diamond K$  via l'antenne fictive.
- 3 Ouvrir le pontet  $\nabla A$ .  
Régler sur hauteur et symétrie maximum de la courbe de réponse.
- 4 Fermer le pontet  $\nabla A$ .  
Raccorder l'oscilloscope à  $\diamond 3$  et régler la courbe S sur hauteur et symétrie maximum.  
Raccorder un voltmètre pour tension continue à  $\diamond 3$  et contrôler le point de passage par zéro de la courbe S.
- 5 Appliquer un signal à  $\diamond H$  via l'antenne fictive.
- 6 Veiller à ce que les fils d'amenée de signaux soient aussi courts que possible, et au besoin, utiliser la terre de la platine imprimée pour éviter des oscillations.

## I

- 1 Sintonizzare l'apparecchio.
- 2 Aumentare il segnale a  $\diamond K$  via l'antenna artificiale.
- 3 Aperire il ponte  $\nabla A$ .  
Regola su altezza massima + simmetria della curva di passaggio.
- 4 Chiudere il ponte  $\nabla A$ .  
Collegare l'oscilloscopio a  $\diamond 3$  e regolare la curva S su massima e simmetria. Collegare il metro di tensione continua a  $\diamond 3$  e controllare il passaggio a zero della curva.
- 5 Arimentare il segnale a  $\diamond H$  via l'antenna artificiale.
- 6 Tenere il più corti possibile i fili d'alimentazione del segnale e impiegare eventualmente la terra del circuito impresso per impedire l'oscillazione.

## DK

- 1 Afstem apparatet.
- 2 Tilfør et signal til  $\diamond K$  via en kunstantenne.
- 3 Åbn broen  $\nabla A$ . Juster mf-kurven til max. højde og symmetri.
- 4 Luk broen  $\nabla A$ . Forbind et oscilloskop til  $\diamond 3$ .  
Og juster S-kurven til max. symmetri. Forbind et jævnspændingsvoltmeter til  $\diamond 3$  kontroller S-kurvans nullpassage.
- 5 Tilfør et signal til  $\diamond H$  via en kunstantenne.
- 6 Signaltilledninger skal holdes så korte som muligt. Om nødvendigt benyttes printpladens stelpunkt for at undgå oscillation.

## SF

- 1 Viritä vastaanotin.
- 2 Vie lähete pisteeseen  $\diamond K$  tekoantennin kautta.
- 3 Avaa yhdistys  $\nabla A$ . Säädä läpäisykäyrä symmetriseksi ja maksimi korkeuteen.
- 4 Kytke yhdistys  $\nabla A$  takaisin. Liitä oskilloskooppi pisteeseen  $\diamond 3$  ja säädä S-käyrä symmetriseksi. Kytke tasajännitemittari pisteeseen  $\diamond 3$  ja tarkista S-käyrän nollakohta.

## NL

- 1 Apparaat afstemmen.
- 2 Signaal toevoeren aan  $\diamond K$  via kunstantenne.
- 3 Brug  $\nabla A$  openen. Afregelen op max. hoogte + symmetrie van de doorlaatkromme.
- 4 Brug  $\nabla A$  sluiten. Oscillograaf aan  $\diamond 3$  aansluiten en S-kromme afregelen op max. symmetrie. Gelijkspanningsmeter aansluiten aan  $\diamond 3$  en de nuldoorgang van de S-kromme controleren.
- 5 Signaal toevoeren aan  $\diamond H$  via kunstantenne.
- 6 Signaaltoevoerdraden zo kort mogelijk houden en eventueel aarde op print gebruiken om oscilleren te voorkomen.

## D

- 1 Stimme Gerät ab.
- 2 Führe über die Kunstantenne ein Signal an  $\diamond K$ .
- 3 Öffne Brücke  $\nabla A$ . Justiere auf maximale Höhe + Symmetrie der Durchlasskurve.
- 4 Schliesse Brücke  $\nabla A$ . Schliesse Oszillografen an  $\diamond 3$  an und gleiche die S-Kurve auf maximale Symmetrie ab. Schliesse ein Gleichspannungsmesser an  $\diamond 3$  an und kontrolliere den Nulldurchgang der S-Kurve.
- 5 Führe über die Kunstantenne ein Signal an  $\diamond H$ .
- 6 Halte Signalführdrähte so kurz wie möglich; benutze ggf. Erde auf Printplatte, um Oszillieren zu vermeiden.

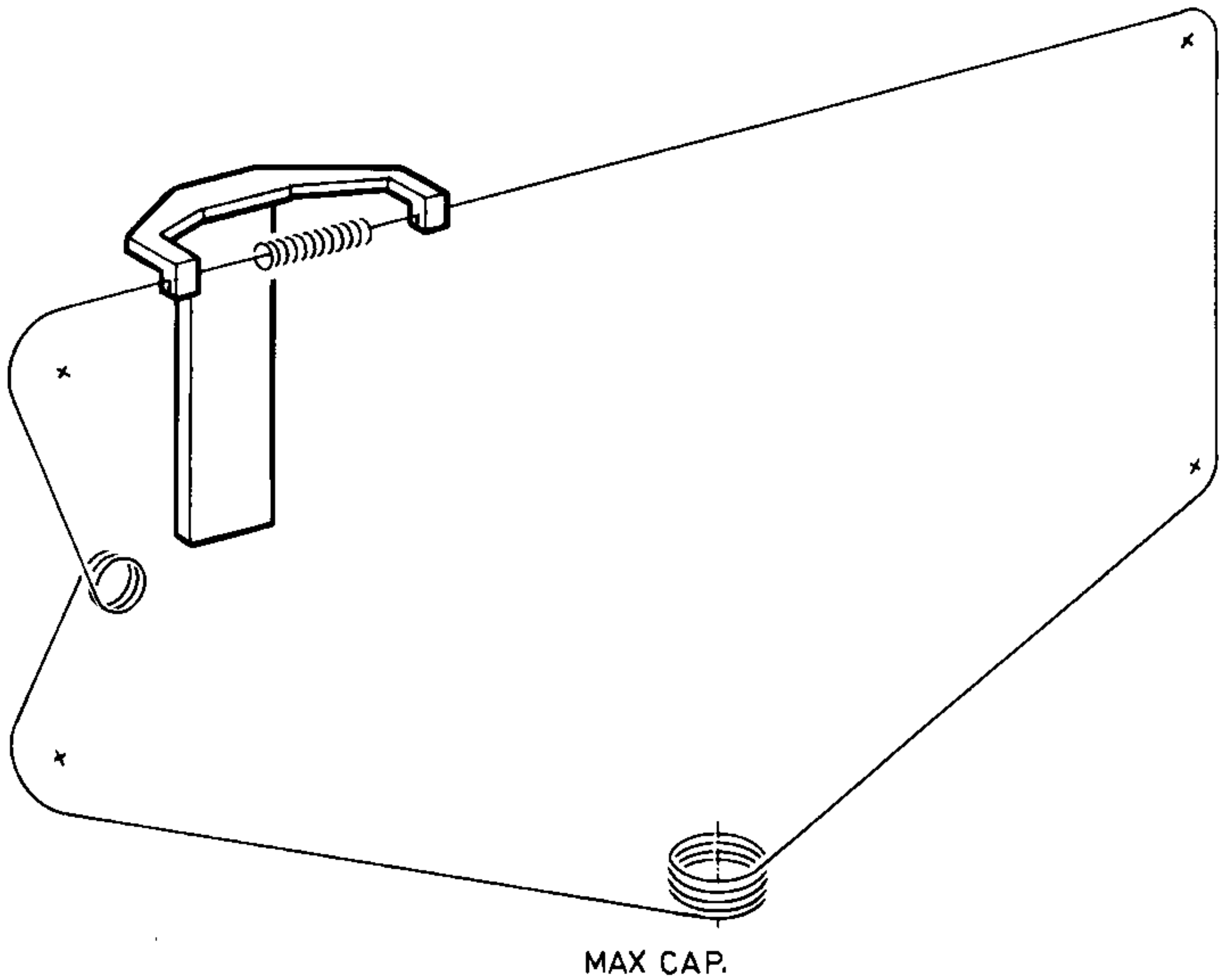
## S

- 1 Avstäm apparaten.
- 2 Anslut en signal till  $\diamond K$  via konstanten.
- 3 Öppna bryggan  $\nabla A$ . Justera till max. höjd och symmetri på bandpasskurvan.
- 4 Slut bryggan  $\nabla A$ . Anslut ett oscilloskop till  $\diamond 3$  och justera S-kurvan till max. symmetri.  
Anslut en DC-voltmeter till  $\diamond 3$  och kontrollera S-kurvans nollgenomgång.
- 5 Anslut en signal till  $\diamond H$  via konstantenn.
- 6 Matarledningarna för signalen skall vara så korta som möjligt. Om det är nödvändigt skall kretskortets jordning användas för att förhindra självsvängning.

## N

- 1 Avstem apparatet.
- 2 Tilfør et signal til  $\diamond K$  via en koplingsløyfe.
- 3 Bryt printleder  $\nabla A$ . Justér til maks. høyde og symmetri på båndpass kurven.
- 4 Lodd igjen printleder  $\nabla A$ . Forbind et oscilloskop til punkt  $\diamond 3$ . Justér S-kurven til maks. høyde og symmetri. Forbind et D.C. voltmeter til punkt  $\diamond 3$  og kontrollér nullgjennomgangen til S-kurven.
- 5 Tilfør et signal til  $\diamond H$  via artificial aerial.
- 6 Signalkabelen skal være så kort som mulig. Om nødvendig, bruk jord på printplaten for å hindre oscillering.

- 5 Syötä lähete pisteeseen  $\diamond K$  (antennikosketin) tekoantennin kautta.
- 6 Signaalin syöttöjohdot tulee pitää mahdollisimman lyhyinä. Tarvittaessa kytkentälevy maadoitetaan värähtelyn estämiseksi.



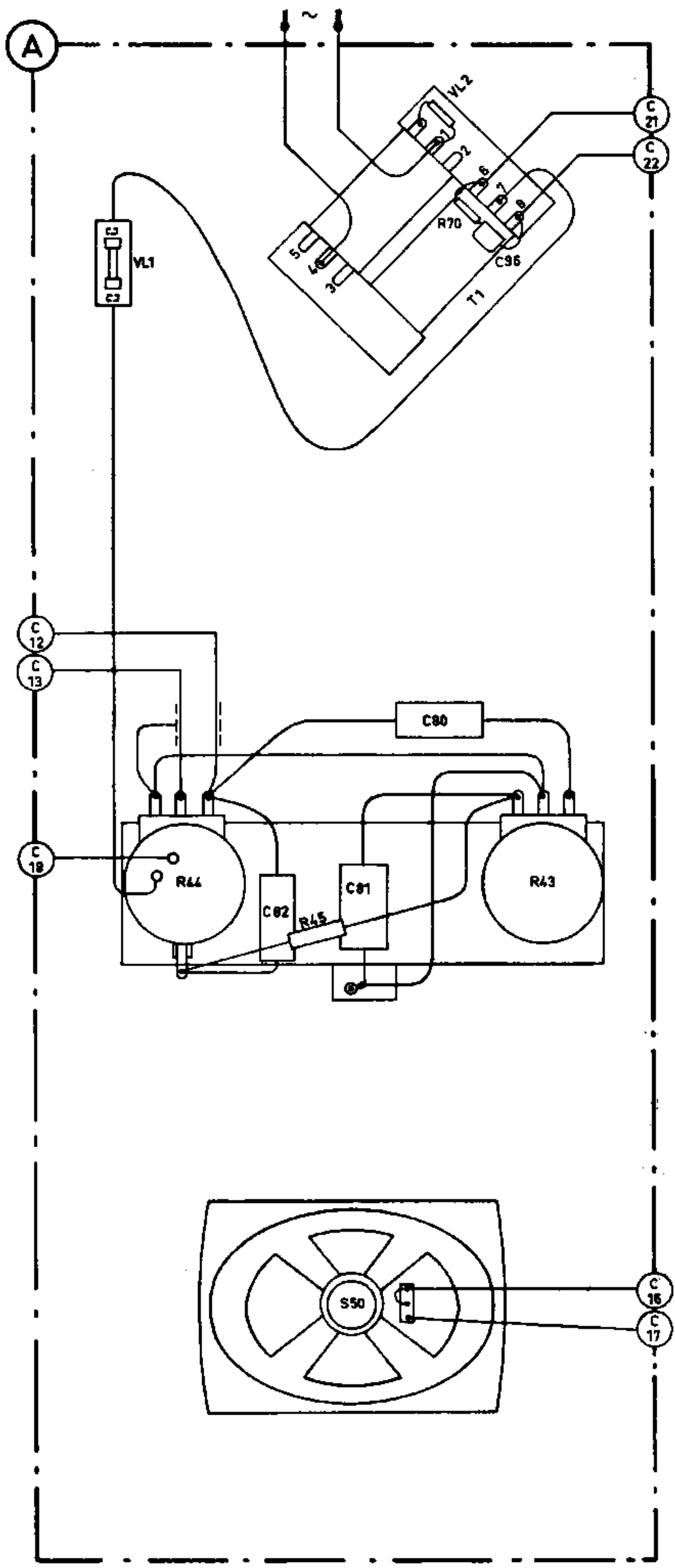
L = 980 mm

2344B

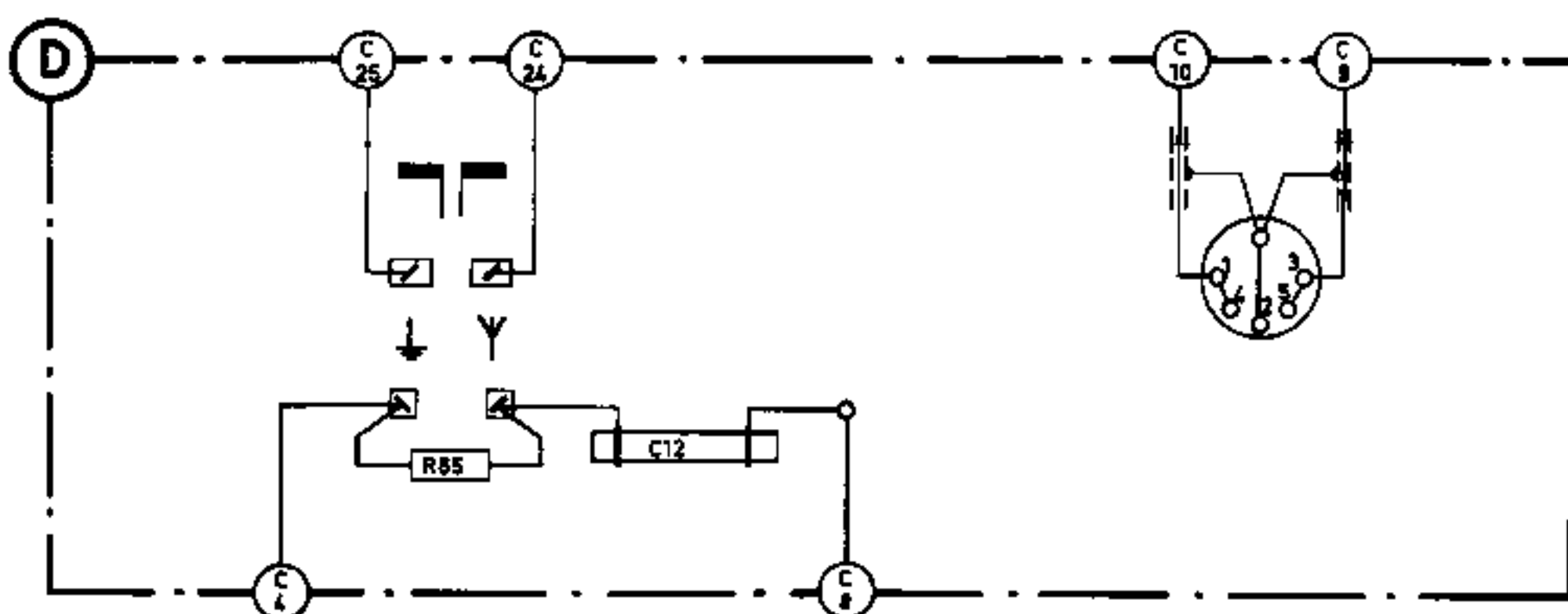
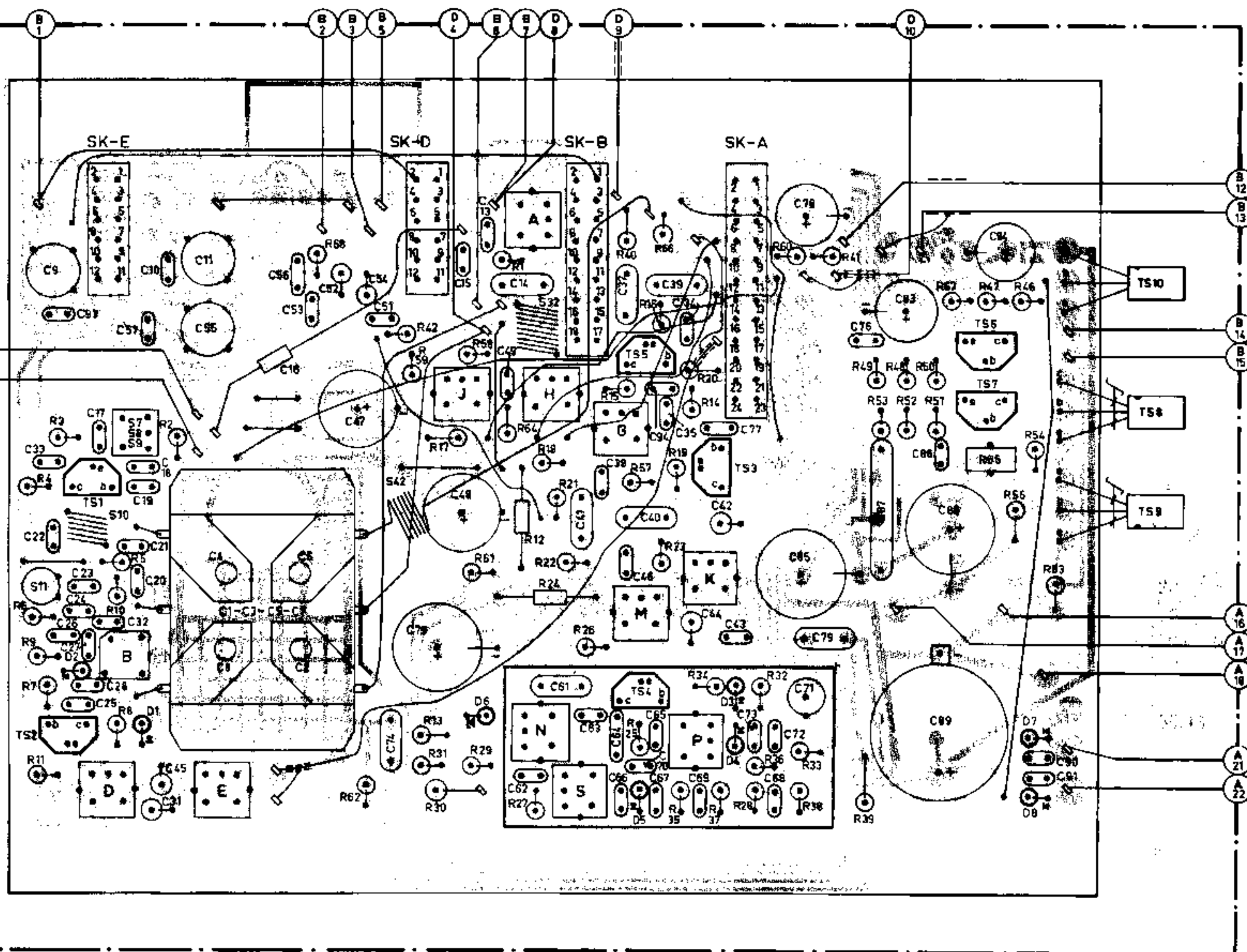
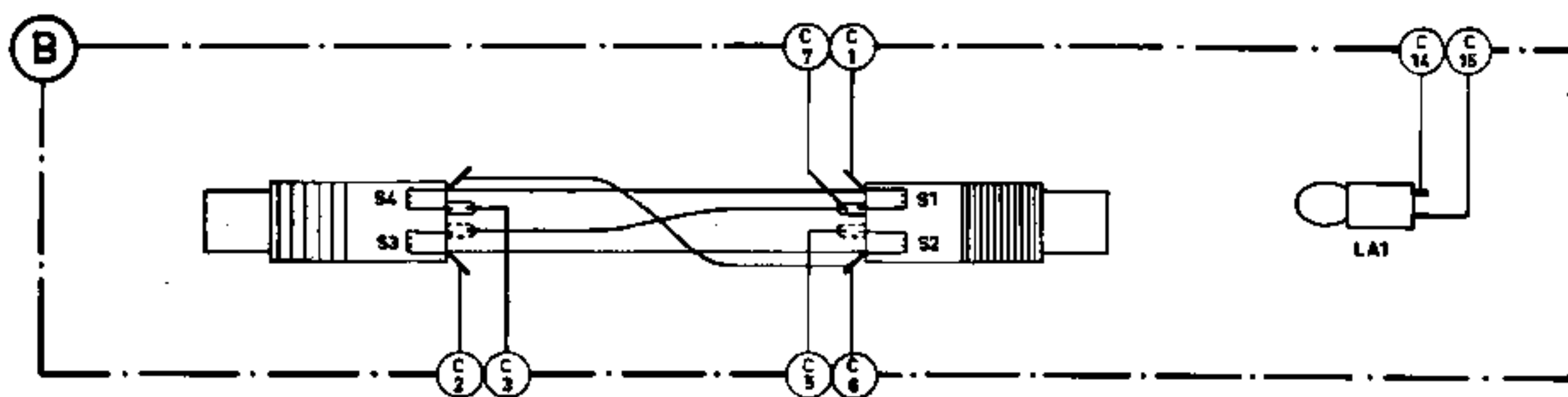
NOTES:



S	S50.			
C	82.	81.	80.	96
C				
C				
R	44.	45.	70.	43.
R				
R				



11.	10.	D. B. 7. 8. 9.	E.	42	3. 4. J.	A. H. N. 32. S.	G. M.	P. K. 1. 2.		S
9. 93.	57. 10.	11. 55.	56. 10. 53. 52. 54. 51.	15. 13. 49. 14.	37.	19. 34.	79.	76. 83. 84.		C
33. 22. 26. 24. 23. 22. 32. 17. 18. 19. 20. 21.	1+ 8.	47.	75. 48.	41. 38. 46. 40. 94. 35. 44. 77. 42. 43. 12.	85. 79.	87.	86. 88.			C
25. 28.	31. 45.	74.	52. 61. 83. 64. 66. 65. 70. 67.	69.	73. 68. 71. 72.	89.	90. 91.			C
6. 4. 9. 3.	10. 5.	2.	68.	42. 59. 59. 1.	40. 16. 88. 20.	60. 41. 48. 48. 50. 67. 47. 48.				R
7. 11.	8.	62.	13. 31. 30. 29.	27. 85.	25. 35. 34. 37. 29. 32. 36. 33. 38. 39.					R



(GB)

(NL)

(F)

(D)

(I)

Cabinet  
Foot  
Front panel complete /00  
Front panel complete /22  
Fuse holder  
Knob (tone, volume)  
Knob (tuning)  
Spring for knob  
Push-button LW  
Push-button SW  
Push-button FM  
Push-button MW1  
Push-button MW2  
Slide switch (4x)  
Slide switch (6x)  
Slide switch (8x)  
Coupling piece  
Slider of slide switch MW1 (2x)  
Guiding plate of slide switch MW1  
Plug, AM aerial  
Plug, FM aerial  
Plug (5 poles)  
Pulley (varco)  
Pulley Ø 20  
Pulley Ø 14  
Pointer  
Drive cord  
Spring, integrated S3 switch  
Bronze distance piece integrated S3 switch  
Socket (aerial)  
Socket (PU)  
Lamp holder  
Scale /00  
Scale /22

4822 425 50097  
4822 462 70898  
4822 426 50138  
4822 426 50138  
4822 256 30108  
4822 413 40527  
4822 413 40528  
4822 532 10284  
4822 410 40045  
4822 410 40046  
4822 410 40047  
4822 410 40044  
4822 410 40043  
4822 277 30536  
4822 277 30537  
4822 277 30535  
4822 404 20131  
4822 278 30086  
4822 466 90684  
4822 264 30042  
4822 264 30043  
4822 264 40028  
4822 528 80358  
4822 528 80155  
4822 528 80186  
4822 450 80398  
4822 321 30132  
4822 492 61741  
4822 404 10152  
4822 267 40129  
4822 267 40201  
4822 255 10007  
4822 333 40185  
4822 333 40187

Kast  
Voet  
Frontplaat, compleet /00  
Frontplaat, compleet /22  
Smeltveiligheids houder  
Knop (toon, volume)  
Knop (afstemming)  
Klemveer knop  
Druktoets LG  
Druktoets KG  
Druktoets FM  
Druktoets MG1  
Druktoets MG2  
Schuifschakelaar (4x)  
Schuifschakelaar (6x)  
Schuifschakelaar (8x)  
Koppelstuk  
Schuif van schuifschakelaar MG1 (2x)  
Geleidingsplaatje van schuifschakelaar MG1  
Steker, antenne AM  
Steker, antenne FM  
Steker (5 polig)  
Snaarwiel (var. condensator)  
Snaarwiel Ø 20  
Snaarwiel Ø 14  
Wijzer  
Aandrijfsnaar  
Veer, geïntegreerde S3 schakelaar  
Brons afstandstukje, geïntegreerde S3 schakelaar  
Aansluitbus (antenne)  
Aansluitbus (PU)  
Lamphouder  
Schaal /00  
Schaal /22




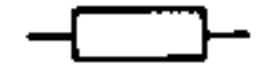
Coffret  
Pied  
Panneau avant complet /00  
Panneau avant complet /22  
Porte-fusible  
Bouton (tonalité, volume)  
Bouton (sintonisation)  
Ressort de serrage du bouton  
Touche GO  
Touche OC  
Touche FM  
Touche PO1  
Touche PO2  
Commutateur à tiroir (4x)  
Commutateur à tiroir (6x)  
Commutateur à tiroir (8x)  
Coupleur  
Tiroir du commutateur PO1 (2x)  
Plaque-guide du commutateur à tiroir PO1  
Fiche antenne AM  
Fiche antenne FM  
Fiche (pentapolaire)  
Poulie (condensateur variable)  
Poulie Ø 20  
Poulie Ø 14  
Aiguille  
Corde d'entraînement  
Ressort pour commutateur S3 intégré  
Entretoise en bronze commutateur S3 intégré  
Connexion (antenne)  
Connexion (PU)  
Support de lampe  
Cadran /00  
Cadran /22

Gehäuse  
Fuss  
Frontplatte komplett /00  
Frontplatte komplett /22  
Schmelzsicherungshalter  
Knopf (Ton, Lautstärke)  
Knopf (Abstimmung)  
Haltefeder Knopf  
Drucktaste LW  
Drucktaste KW  
Drucktaste FM  
Drucktaste MW1  
Drucktaste MW2  
Schiebeschalter (4x)  
Schiebeschalter (6x)  
Schiebeschalter (8x)  
Kupplungsstück  
Schieber von Schiebeshalter MW1 (2x)  
Führungsplatte von Schiebeshalter MW1  
Stecker, AM Antenne  
Stecker, FM Antenne  
Stecker (5 polig)  
Seilrad (var. Kondensator)  
Seilrad Ø 20  
Seilrad Ø 14  
Zeiger  
Antriebssepe  
Feder für integrierten S3-Schalter  
Bronzener Abstandsstück für integrierten S3-Schalter  
Anschluss (Antenne)  
Anschluss (TA)  
Lampenfassung  
Skala /00  
Skala /22

4822 425 50097  
4822 462 70898  
4822 426 50138  
4822 426 50138  
4822 256 30108  
4822 413 40527  
4822 413 40528  
4822 532 10284  
4822 410 40045  
4822 410 40046  
4822 410 40047  
4822 410 40044  
4822 410 40043  
4822 277 30536  
4822 277 30537  
4822 277 30535  
4822 404 20131  
4822 278 30086  
4822 466 90684  
4822 264 30042  
4822 264 30043  
4822 264 40028  
4822 528 80358  
4822 528 80155  
4822 528 80186  
4822 450 80398  
4822 321 30132  
4822 492 61741  
4822 404 10152  
4822 267 40129  
4822 267 40201  
4822 255 10007  
4822 333 40185  
4822 333 40187

Mobile  
Piedeno  
Pannello frontale completo /00  
Pannello frontale completo /22  
Portafusibile  
Manopola (tonalità, volume)  
Manopola (sintonia)  
Molla di fissaggio manopola  
Tasto OL  
Tasto OC  
Tasto FM  
Tasto OM1  
Tasto OM2  
Commutatore a slitta (4x)  
Commutatore a slitta (6x)  
Commutatore a slitta (8x)  
Pezzo di accoppiamento  
Cursore del commutatore a slitta OLI (2x)  
Piastrina di guida del commutatore a slitta OMI  
Spina antenna AM  
Spina antenna FM  
Spina 5 poli  
Puleggia  
Puleggia Ø 20  
Puleggia Ø 14  
Indice  
Cordina di trascinamento  
Molla del commutatore integrato S3  
Distanziatore in bronzo per commutatore integrato S3  
Presa (antenna)  
Presa (PU)  
Portalampada  
Scala /00  
Scala /22

GB	S	DK	N	SF
Cabinet	Kåpa	Kabinet	Kabinett	Laatikko
Foot	Fot	Fod	Fot	Jalka
Front panel, complete /00	Frontpaneel, komplett /00	Frontpanel, komplet /00	Frontpanel, komplett /00	Etuseinä, täydellinen /00
Front panel, complete /22	Frontpaneel, komplett /22	Frontpanel, komplet /22	Frontpanel, komplett /22	Etuseinä, täydellinen /22
Fuse holder	Säkringshållare	Sikringsholder	Sikringsholder	Sulakepidin
Knob (tone, vblume)	Ratt	Knapp	Knapp	Nuppi
Knob (tuning)	Ratt (avstämning)	Knapp (avstemning)	Knapp (avstemning)	Nuppi (viritys)
Spring for knob	Rattfjäder	Fjeder for knapp	Fjær for knapp	Nupin jousi
Push-button LW	Tangent LV	Trykknapp LB	Trykknapp LB	Näppain PA
Push-button SW	Tangent KV	Trykknapp KB	Trykknapp KB	Näppain LA
Push-button FM	Tangent FM	Trykknapp FM	Trykknapp FM	Näppain ULA
Push-button MW1	Tangent MB1	Trykknapp MB1	Trykknapp MB1	Näppain KA1
Push-button MW2	Tangent MB2	Trykknapp MB2	Trykknapp MB2	Näppain KA2
Slide switch (4x)	Slidomkopplare (4x)	Skydeomskifter (4x)	Sleidevender (4x)	Liukukytkimen (4x)
Slide switch (6x)	Slidomkopplare (6x)	Skydeomskifter (6x)	Sleidevender (6x)	Liukukytkimen (6x)
Slide switch (8x)	Slidomkopplare (8x)	Skydeomskifter (8x)	Sleidevender (8x)	Liukukytkimen (8x)
Coupling piece	Kopplingsstycke	Koblingsstykke	Koplingsstykke	Kytinkappale
Slider of slide switch MW1 (2x)	Slid till slidomkopplare MB1 (2x)	Slæde for skydeomskifter MB1 (2x)	Sleide for sleidevender MB1 (2x)	Liukukytkimen liuku KA1 (2x)
Guiding plate of slide switch MW1	Styrplatta för slidomkopplare MB1	Styreplade for skydeomskifter MB1	Føreplate for sleidevender MB1	Liukukytkimen ohjauslevy KA1
Plug, AM aerial	Antennplugg AM	Stik for AM-antenne	Plugg for AM-antenne	AM-antennin pistike
Plug, FM aerial	Antennplugg FM	Stik for FM-antenne	Plugg for FM-antenne	FM-antennin pistike
Plug (5 poles)	5-polig plugg	5-polet stik	5-polet plugg	5-napainen pistike
Pulley (varco)	Trissa för vridkondensator	Pulley for drejekondensator	Aksel for varico	Säätokond. vetopyörä
Pulley Ø 20	Trissa Ø 20	Pulley Ø 20	Aksel Ø 20	Urapyörä Ø 20
Pulley Ø 14	Trissa Ø 14	Pulley Ø 14	Aksel Ø 14	Urapyörä Ø 14
Pointer	Visare	Skalaviser	Skalaviser	Osoitin
Drive cord	Drivsnöre	Skalasnor	Skalasnor	Asteikkonaru
Spring, integrated S3 switch	Fjäder för integrerad omkopplare S3	Fjeder for integreret S3-omskifter	Fjær for integreret S3-vender	Integroidun S3-kytkimen jousi
Bronze distance piece, integrated S3 switch	Distansstycke brons för integrerad omkopplare S3	Bronzeafstandsstycke for integreret S3-omskifter	Avstandsstykke (bronse) for integreret S3-vender	Integroidun S3-kytkimen messinkiväljike
Socket (aerial)	Uttag (antenn)	Bøsning for ant.	Kontakt for antenne	ULA antenni
Socket (PU)	Uttag (gramm.)	Bøsning (gram.)	Kontakt (PU)	ULA (PU)
Lamp holder	Lamphållare	Lampeholder	Lampeholder	Lampunpidin
Scale /00	Skala /00	Skala /00	Skala /00	Asteikko /00
Scale /22	Skala /22	Skala /22	Skala /22	Asteikko /22

-TS-  -D-			-C- 		
TS1	BF195	4822 130 40304	C1-8	gang. capacitor	4822 125 40014
TS2	BF195	4822 130 40304	C9-11	trimmer 20 pF	4822 125 50029
TS3,4,5	BF194B-195C-195D	4822 130 40421	C10	33 pF	4822 122 30016
TS6	BC149C	4822 130 40216	C13	2700 pF 10 %	4822 122 30057
TS7	BC159B	4822 130 40716	C17,21	15 pF + 2 %	4822 122 30097
TS8,9	AC187/188	4822 130 40319	C22	3.3 pF + 0.25 pF	4822 122 30019
TS10	AC187	4822 130 40089	C23	18 pF - 2 %	4822 122 30017
D1	AA119	4822 130 40229	C24	470 pF 10 %	4822 122 30034
D2	BA102	4822 130 30272	C25	2.2 pF + 0.25 pF	4822 122 30011
D3,4	2xAA119	4822 130 30312	C27	6.8 pF + 0.25 pF	4822 122 30007
D5	AA119	4822 130 40229	C28	6.8 pF + 0.25 pF	4822 122 30007
D6	BZY88/C8V2	4822 130 30285	C31	360 pF 2.5 %	4822 121 50101
D7	BA148	4822 130 30256	C35	15 pF 2 %	4822 122 30097
D8	BA148	4822 130 30256	C42	3000 pF 2.5 % 63 V	4822 121 50414
			C43	120 pF 2 %	4822 122 30093
			C44	3000 pF 2.5 % 63 V	4822 121 50414
			C45	2000 pF 2.5 % 63 V	4822 121 50472
			C47	220 μF 4 V	4822 124 20567
			C48	150 μF 6.3 V	4822 124 20387
			C51	120 pF 2 %	4822 122 30093
			C52	290 pF 1 % 63 V	4822 121 50437
			C53	15 pF 2 %	4822 122 30097
			C54	230 pF 1 % 63 V	4822 121 50032
			C55	trimmer 10 pF	4822 125 50026
			C56	12 pF + 2 %	4822 122 31196
			C63	2.2 pF + 0.25 pF	4822 122 30011
			C64	1 pF + 0.25 pF	4822 122 30104
			C71	6.8 μF 40 V	4822 124 20351
			C75	330 μF 10 V	4822 124 20402
			C78	1 μF 63 V	4822 124 20341
			C83	68 μF 16 V	4822 124 20377
			C84	1 μF 63 V	4822 124 20341
			C85	330 μF 10 V	4822 124 20402
			C86	220 pF 10 %	4822 122 30094
			C87	150 nF 20 % 250 V	4822 121 40104
			C88	330 μF 10 V	4822 124 20402
			C89	1500 μF 16 V	4822 124 40423
			C93	5.6 pF + 0.25 pF	4822 122 30004
			C94	33 pF 2 %	4822 122 30016
-S- 			-Various-		
S1,2,3,4	abcd	4822 158 60295	LA1	6 V, 50 mA	4822 134 40003
S5,6	7--1	4822 156 60053	VL1	500 mA delayed	4822 253 30017
S7,8,9		4822 156 30079	VL2	therminal fuse	4822 252 20007
S10		4822 157 40045			
S11		4822 157 40097			
S12,13		4822 156 40544			
S14,15	16--	4822 153 50092			
S16,17	501-	4822 153 50033			
S18,19	501-	4822 153 50033			
S20,21,22	6--1	4822 156 30153			
S23,24,25	13-1	4822 156 30343			
S26,27,28	1-86	4822 156 30244			
S29,30,31	1-86	4822 156 30244			
S32		4822 157 40044			
S33,34,35	95--	4822 153 50031			
S36,37,38	06--	4822 153 50032			
S39,40,41	07--	4822 153 10101			
S42		4822 157 40044			
S50		4822 240 50059			
S51,52,53,54	Loudspeaker Trafo	4822 145 40122			
-R- 					
R39	1 MΩ, 1/8 W	4822 110 61187			
R43	47 kΩ, pot.meter	4822 101 20371			
R44	5+7 kΩ, pot.meter	4822 100 50008			
R55	NTC, 33 Ω, 10 %	4822 116 30082			
R56	Safety res. 470 Ω, 5 %	4822 111 30013			
R62	330 kΩ, 5 %	4822 110 61174			

# Service mededeling

PHILIPS NEDERLAND B.V. - EINDHOVEN  
TECHNISCHE SERVICE

Ref. R246

Type 22RB212

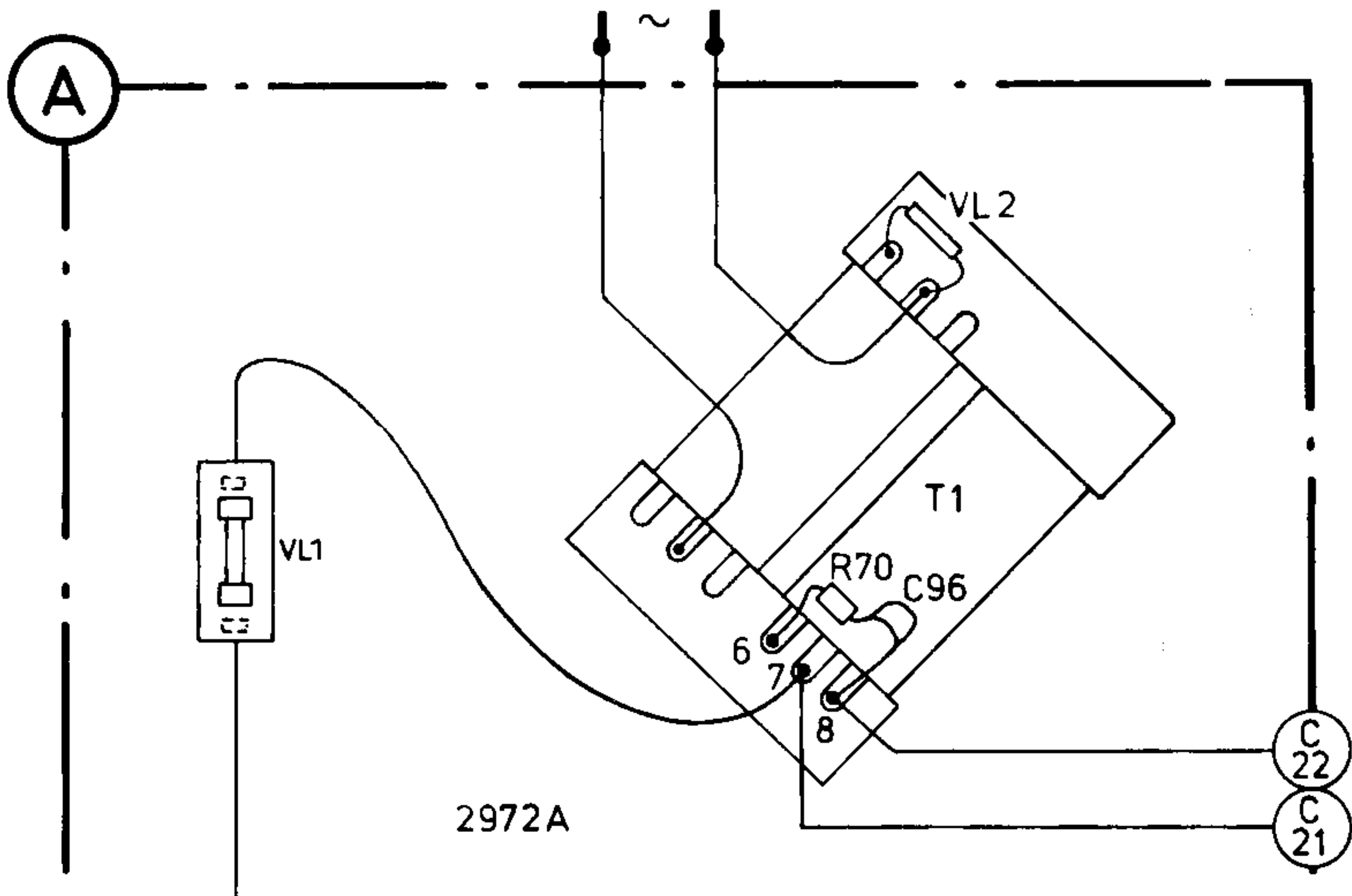
Datum mei 1973

## RADIO

Voedingstransformator S51-54 (4822 145 40122) is gewijzigd en is bij de 22RB212/22 ingevoerd onder de stempeling PL01.

Voor de gewijzigde aansluitpunten wordt verwezen naar bijgaande tekening. De nieuwe transformator wordt onder hetzelfde bestelnummer geleverd.

Bij de apparaten 22RB212/00/22 is C54 (230 pF) gewijzigd in 235 pF.



# PHILIPS