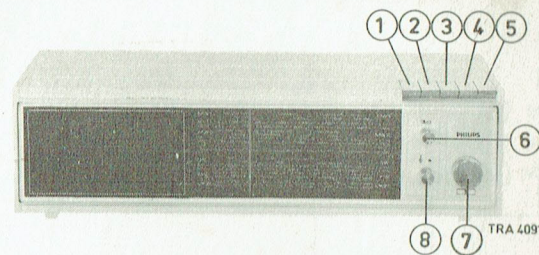


# Service manual

RADIO 22RB292/00/22



543 x 158 x 160 mm

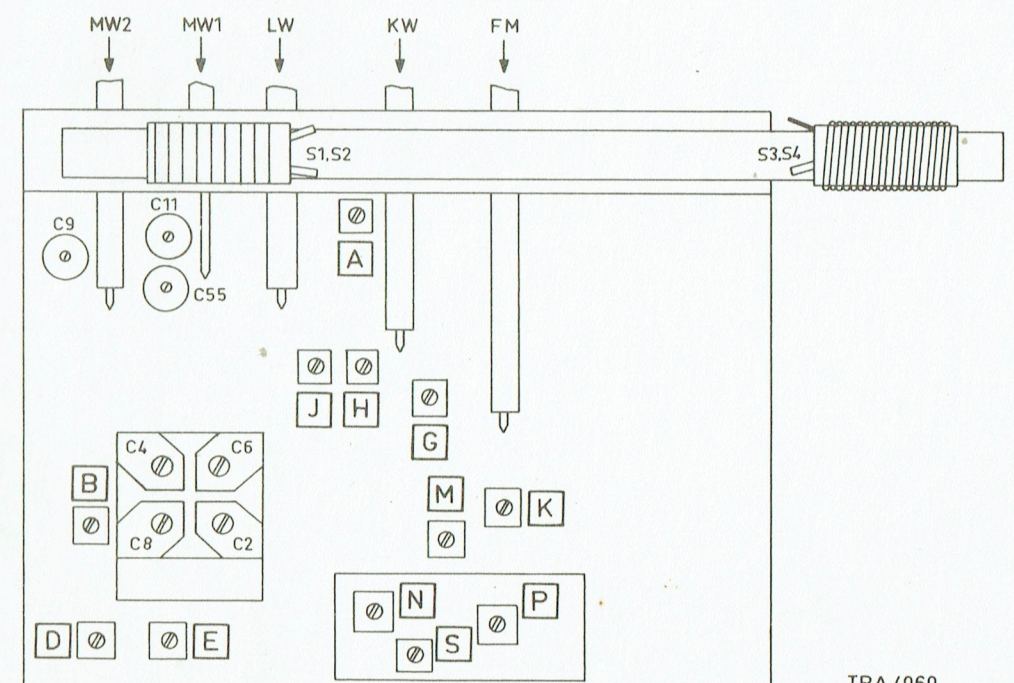
PHILIPS



|                                                                                                                                                             |      |                                                                                                                                                                                                                                                                             |                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1 FM switch<br/>FM schakelaar<br/>Commutateur FM<br/>FM-Schalter<br/>Commutatore FM<br/>FM -omkopplare<br/>FM-omskifter<br/>FM-vender<br/>ULA-kytkin</p> | SK-A | <p>4 MW1 switch<br/>MG1 schakelaar<br/>Commutateur PO1<br/>MW1-Schalter<br/>Commutatore OM1<br/>MW1-omkopplare<br/>MB1-omskifter<br/>MB1-vender<br/>KA1-kytkin</p>                                                                                                          | <p>6 Tone control<br/>Toonregelaar<br/>Commande de tonalité<br/>Klangregler<br/>Controllo di tono R43<br/>Tonkontroll<br/>Tonekontroll<br/>Tonekontroll<br/>Sävy</p> |
| <p>2 SW switch<br/>KG schakelaar<br/>Commutateur OC<br/>KW-Schalter<br/>Commutatore OC<br/>KV-omkopplare<br/>KB-omskifter<br/>KB-vender<br/>LA-kytkin</p>   | SK-B | <p>5 MW2 switch<br/>MG2 schakelaar<br/>Commutateur PO 2<br/>MW2-Schalter<br/>Commutatore OM2 SK-E<br/>MV2-omkopplare<br/>MB2-omskifter<br/>MB2-vender<br/>KA2-kytkin</p>                                                                                                    | <p>7 Tuning<br/>Afstemming<br/>Syntonisation<br/>Abstimmung<br/>Sintonia C1-C3-<br/>AM-avstämning C5-C7<br/>Afstemning AM<br/>AM-avstemning<br/>AM-viritys</p>       |
| <p>3 LW switch<br/>LG schakelaar<br/>Commutateur GO<br/>LW-Schalter<br/>Commutatore OL<br/>LV-omkopplare<br/>LB-omskifter<br/>LB-vender<br/>PA-kytkin</p>   | SK-D | <p>8 Volume control/on-off switch<br/>Volume regelaar+aan/uit schakelaar<br/>Commutateur volume+marché/arrêt<br/>Lautstärkereglér+Ein/Aus-Schalter<br/>Controllo di volume+interruttore<br/>Volymkontroll+<br/>Styrkekontroll+<br/>Volumkontroll+<br/>Voimakkuussäädin+</p> | <p>SK-F<br/>R44</p>                                                                                                                                                  |

| Wave range          | Signal to                                          |          | Var. cap.                  | Detune | Adjust                    | Indication |
|---------------------|----------------------------------------------------|----------|----------------------------|--------|---------------------------|------------|
| SK....              | 6                                                  |          |                            |        |                           |            |
| MW2 (1412-1602 kHz) | /00 452 kHz<br>/22 460 kHz<br>+30 % AM via 33 nF   | <br>     | max. cap.                  |        | <br><br>                  | max.       |
| MW1 (520-1403 kHz)  | 1430 kHz via 33 nF<br>510 kHz via 33 nF            |          | min. cap.<br>max. cap.     |        | C4<br>                    | 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<br>260 kHz                                 |          |                            |        | S3,4<br>C11               | max.       |
| MW1 (520-1403 kHz)  | 550 kHz<br>1400 kHz                                |          |                            |        | S1,2<br>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<br>50 Hz $\Delta f = 200$ kHz<br>via 5 nF | <br><br> | max. cap.                  | <br>   | <br><br><br>              | <br>       |
| FM (87.5-104 MHz)   | 105 MHz<br>86.5 MHz<br>90 MHz<br>102 MHz           |          | min. cap.<br>max. cap.<br> |        | C8<br>S12,13<br>S10<br>C6 | max.       |

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



Index: CS27195-CS27201

SERVICE

Subject to modification

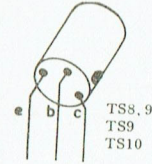
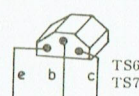
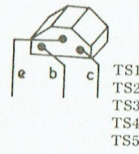
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Printed in the Netherlands

TRA 4060

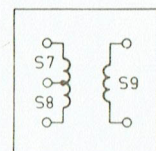
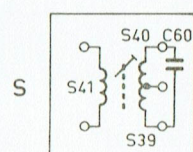
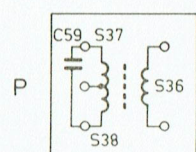
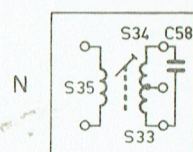
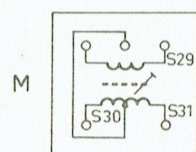
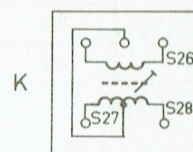
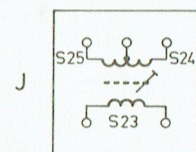
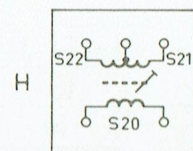
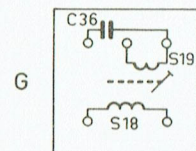
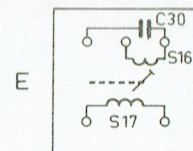
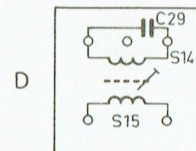
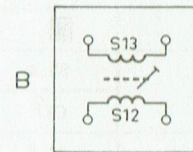
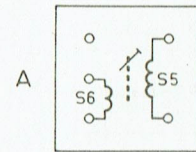
CS27195

|   |                                                         |     |         |         |                 |                                            |  |            |                 |                            |     |  |                       |     |        |         |                                      |         |             |         |    |   |        |  |   |
|---|---------------------------------------------------------|-----|---------|---------|-----------------|--------------------------------------------|--|------------|-----------------|----------------------------|-----|--|-----------------------|-----|--------|---------|--------------------------------------|---------|-------------|---------|----|---|--------|--|---|
| S | K. P. 42. M. G. S. 32.N.H.A. J. E. 7.8.9. B. D. 10. 11. |     |         |         |                 |                                            |  |            |                 |                            |     |  |                       |     |        |         |                                      |         |             | S       |    |   |        |  |   |
| C | 84.                                                     | 83. | 76.     | 78.     | 34. 39. 37.     |                                            |  |            | 14. 49. 13. 15. |                            |     |  | 51. 54. 52. 53.16.56. |     |        |         | 55. 11.                              | 10. 57. | 93. 9.      |         | C  |   |        |  |   |
| C | 88. 86.                                                 |     | 87.     | 79. 85. |                 | 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  |   |        |  |   |
| C | 91. 90.                                                 |     | 89.     |         | 72. 71. 68. 73. |                                            |  |            | 69.             | 67.70.65.66.64.63. 61. 62. |     |  |                       | 74. |        |         |                                      | 45. 31. |             | 28. 25. |    | C |        |  |   |
| R | 46.                                                     | 47. | 67. 50. | 48.     | 49.             | 41. 66. 60.                                |  |            |                 | 20. 16. 40.                |     |  |                       | 1.  | 58.    | 59. 42. |                                      | 68.     |             |         |    | R |        |  |   |
| R | 63. 54. 56. 55.                                         |     | 51.     | 52. 53. |                 | 14. 19. 23. 57. 15. 26.24.22.21.18.12. 64. |  |            |                 | 61.                        | 17. |  |                       |     | 2.     |         | 5. 10.                               |         | 3. 9. 4. 6. |         | R  |   |        |  |   |
| R | 39.                                                     |     |         |         | 38. 33.         | 36.32.28.                                  |  | 37. 34.35. | 25.             |                            |     |  | 27.                   |     |        |         | 29. 30.31.13.                        |         | 62.         |         | 8. |   | 11. 7. |  | R |



TS3  
e=0.9V 1.05V  
b=1.6V 1.8V  
c=6.1V 5.4V

TS5  
e=1.1V 1V  
b=1.6V 1.75V  
c=5.4V 5.8V



TS10  
e=8.6V  
b=8.8V  
c=14.8V

TS6  
e=7.7V  
b=8.4V  
c=14V

TS8  
e=7.1V  
b=7.2V  
c=14.8V

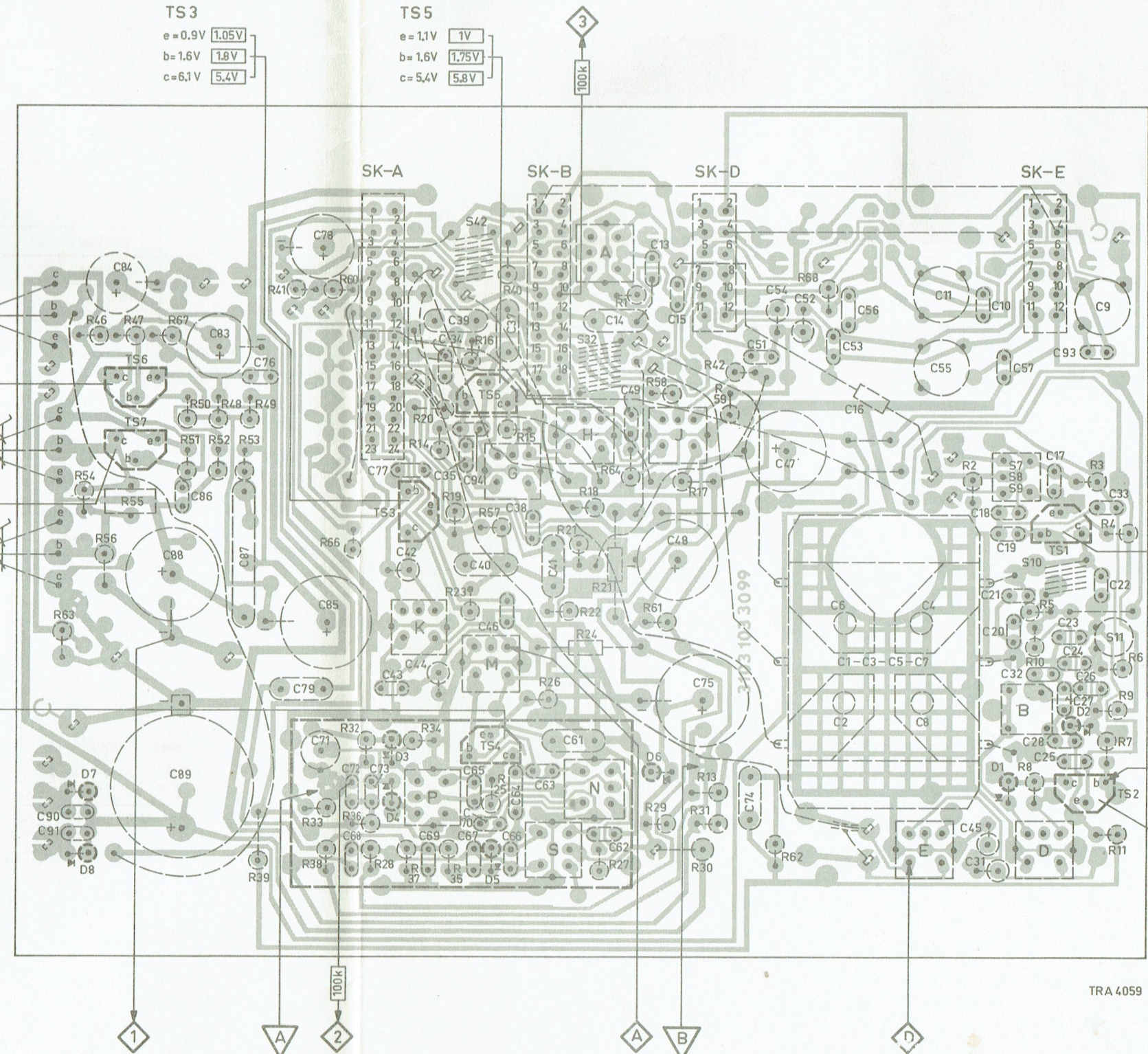
TS7  
e=14.8V  
b=14V  
c=7.2V

TS9  
e=7.1V  
b=7V  
c=0V

TS4  
e=0.65V 0.9V  
b=1.55V 1.6V  
c=6.8V 5.6V

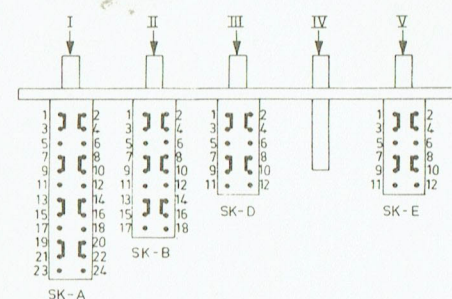
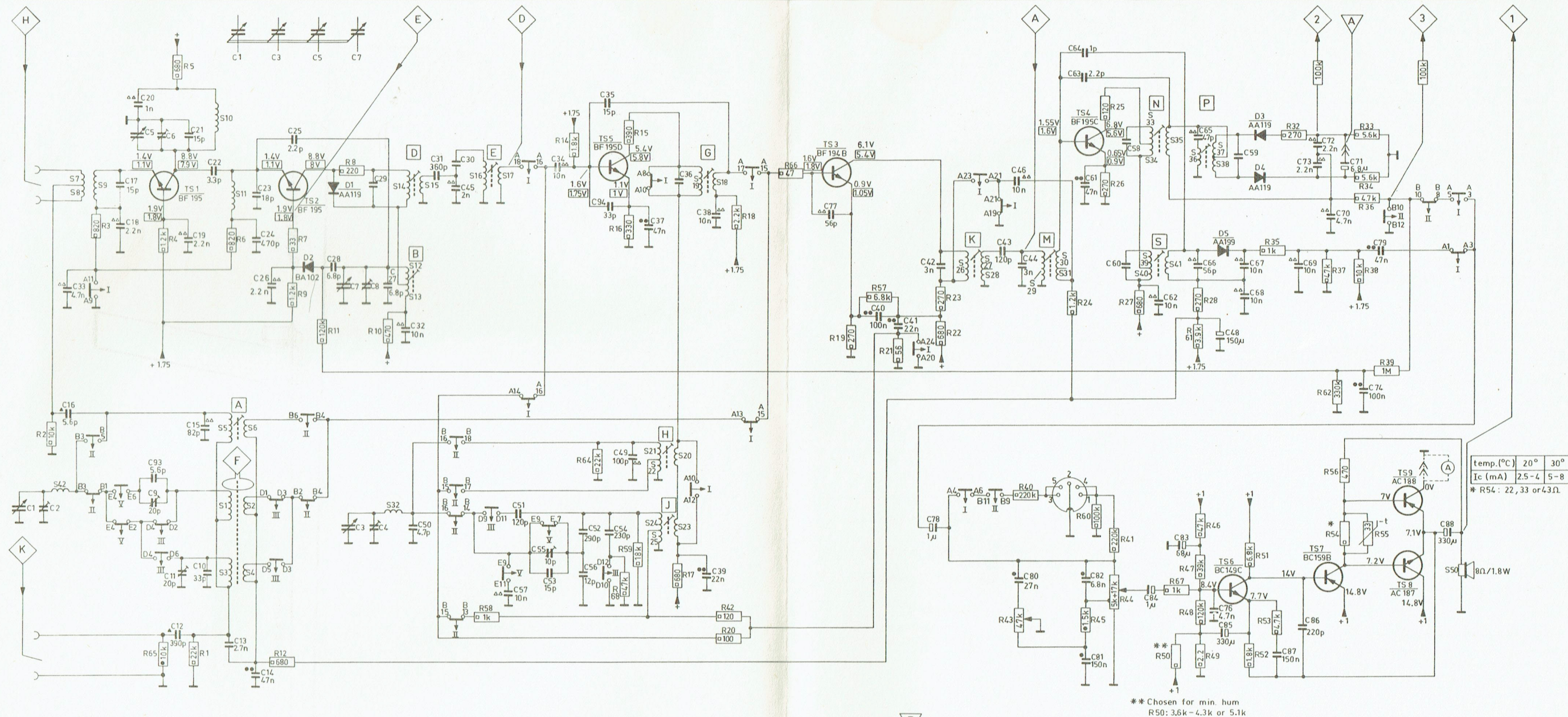
TS1  
e=1.4V 1.1V  
b=1.9V 1.8V  
c=8.8V 7.9V

TS2  
e=1.4V 1.1V  
b=1.9V 1.8V  
c=8.8V 8V



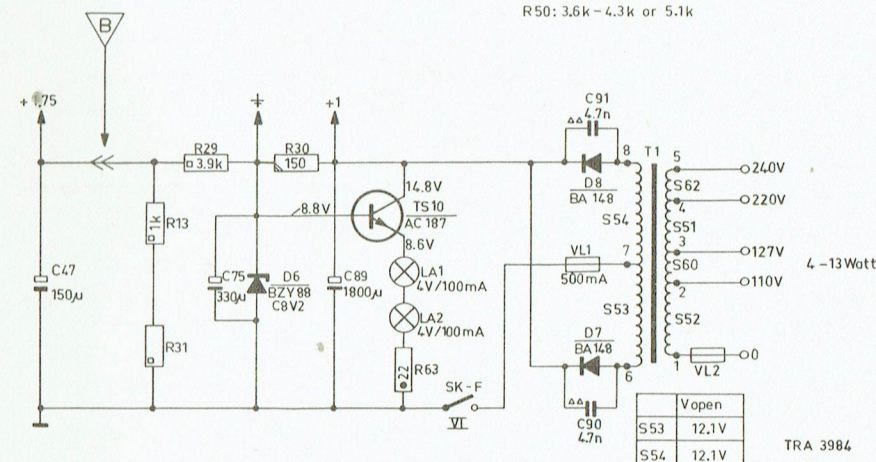
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|   |     |        |       |                     |        |     |               |                  |     |           |          |     |     |                    |            |     |        |               |     |     |  |     |        |        |     |        |                       |        |     |        |        |                    |            |           |           |           |        |     |                   |  |                        |     |           |   |        |  |     |  |   |
|---|-----|--------|-------|---------------------|--------|-----|---------------|------------------|-----|-----------|----------|-----|-----|--------------------|------------|-----|--------|---------------|-----|-----|--|-----|--------|--------|-----|--------|-----------------------|--------|-----|--------|--------|--------------------|------------|-----------|-----------|-----------|--------|-----|-------------------|--|------------------------|-----|-----------|---|--------|--|-----|--|---|
| 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. | 26. |  |     |        | 27.28. | 29. | 30.31. | 33.39.34.40.35.41.36. |        |     |        | 37.38. | 54.53.62.51.60.52. | 50.        | S         |           |           |        |     |                   |  |                        |     |           |   |        |  |     |  |   |
| 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. | 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 |        |  |     |  |   |
| C | 1.  | 2.     | 16.   | 93.9. 11.12. 15.10. |        |     |               | 13.              | 14. | 3. 4. 50. |          |     |     | 51.57. 55.53.      |            |     |        | 52.56. 54.49. |     | 39. |  |     |        | 78.    |     |        |                       | 47.    | 75. | 80.89. |        | 82.81.             |            | 84.       |           | 83.90.91. | 85.76. |     | 87.               |  | 86.                    | 88. | C         |   |        |  |     |  |   |
| R | 3.  |        |       | 4. 5.               |        |     | 6.            | 7.9. 11. 8. 10.  |     |           | 14.      |     |     |                    | 16. 15.    |     |        |               | 18. |     |  |     | 66.    |        |     |        | 19.                   | 57.    | 21. | 23.    | 22.    | 24.                |            | 25.26.27. |           | 61.       |        | 28. | 35. 32.           |  | 62.37. 33.34.36.39.38. |     | R         |   |        |  |     |  |   |
| R | 2.  | 65.    |       |                     | 1.     |     |               | 12.              |     |           | 58.      |     |     |                    | 64. 68.59. |     |        |               | 17. |     |  |     | 42.20. |        |     |        | 13.31.                |        |     |        | 29.    |                    |            |           | 30.40.43. |           |        |     | 60.63.45. 41. 44. |  | 50.67.47.46. 48.49.    |     | 53.51.52. |   | 54.56. |  | 55. |  | R |

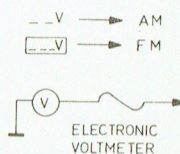


|             |             |                      |            |          |
|-------------|-------------|----------------------|------------|----------|
| I - FM      | 87.5 - 104  | MHz                  | IF (AM)/00 | 452 kHz  |
| II - SW     | 5.9 - 9.9   | MHz ( 50.8 - 30.4 m) | IF (AM)/22 | 460 kHz  |
| III - LW    | 150 - 280   | kHz (2000 1071 m)    | IF (FM)    | 10.7 MHz |
| IV - MW1    | 517 - 1410  | kHz ( 580 - 213 m)   |            |          |
| V - MW2     | 1400 - 1620 | kHz (214 - 185 m)    |            |          |
| VI - On/Off |             |                      |            |          |

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



- 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
- Polyester capacitor 400 V
- Plate ceramic capacitor
- Flat-foil polyester capacitor
- Miniature electrolytic capacitor



(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'antenne 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-kurvns nullpassage.
- 5 Tilfør et signal til  $\diamond H$  via en kunstantenne.
- 6 Signaltilledninger skal holdes så korte som muligt. On 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.

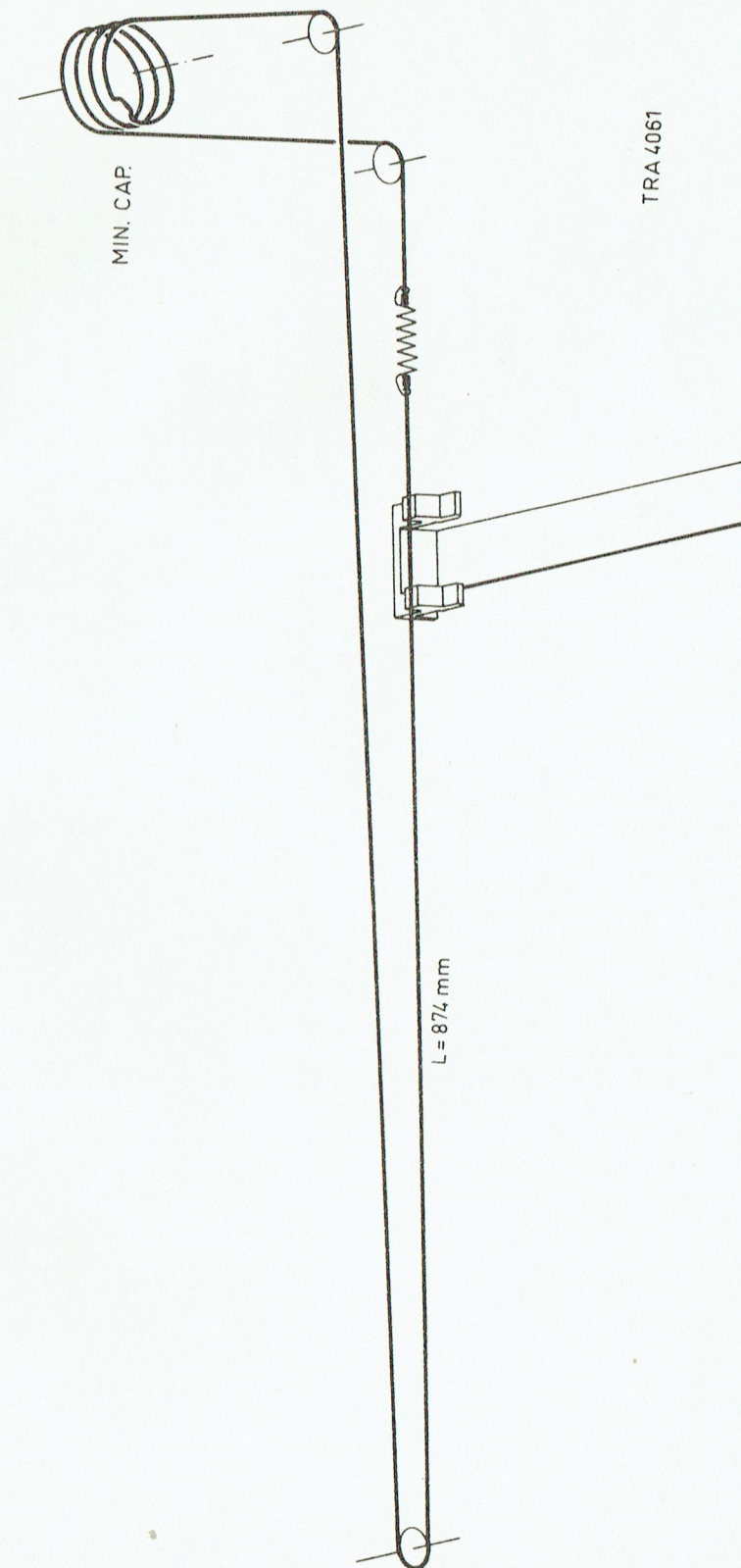
(S)

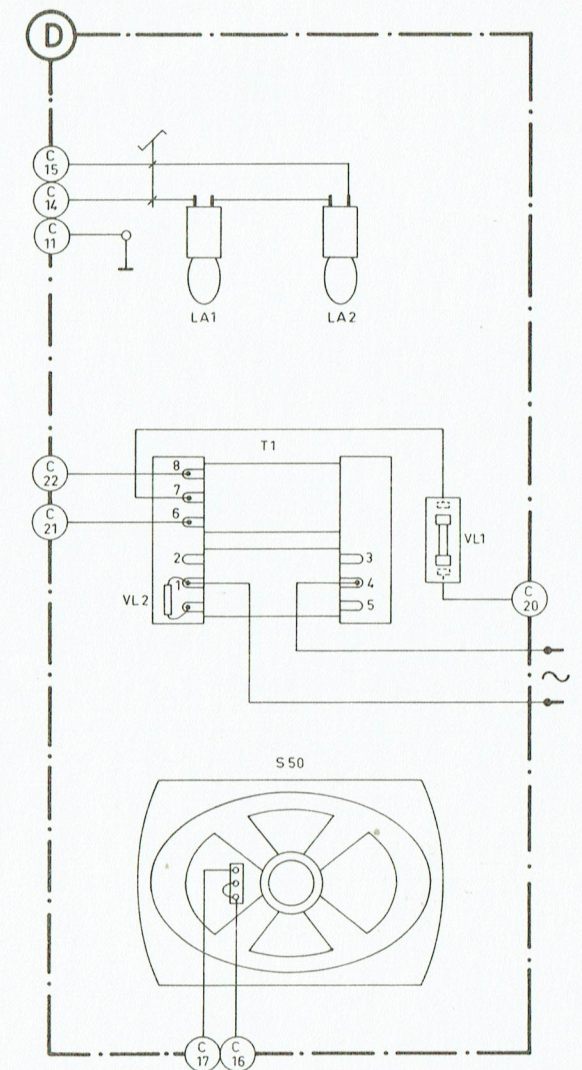
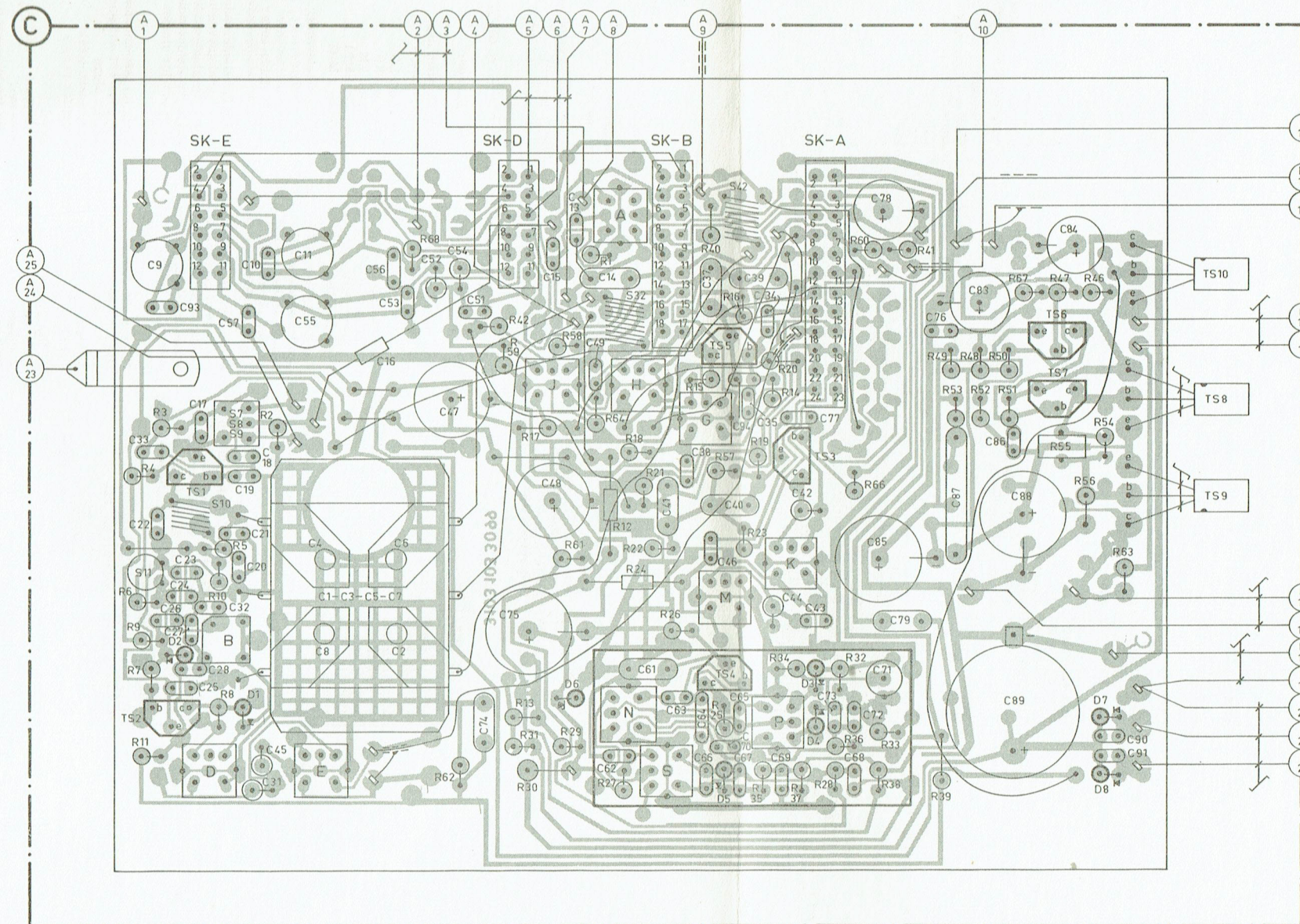
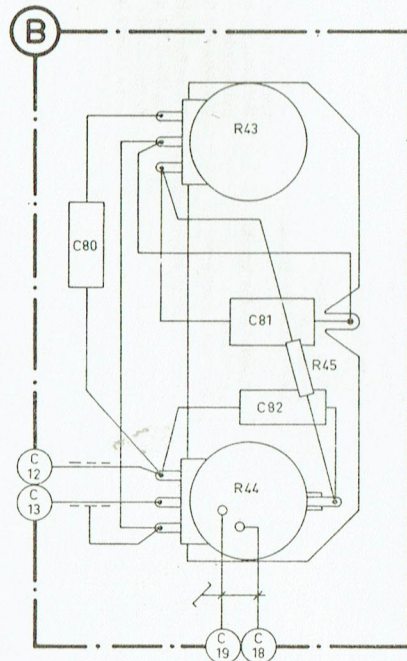
- 1 Avstäm apparaten.
- 2 Anslut en signal till  $\diamond K$  via konstanter.
- 3 Öppna bryggan  $\nabla A$ . Justera till max. höjd och symmetri på bandpasskurvan.
- 4 Slut bryggan  $\nabla A$ . Anslut ett oscilloskop till  $\diamond 3$  och justera S-kurvan till max. symmetri.  
Anslut en DC-voltmeter 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 koplingssløyfe.
- 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.



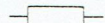


|                             |   |         |                                        |                                                                                                               |
|-----------------------------|---|---------|----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <u>Wiring example</u>       | : | Wire    | $\begin{pmatrix} 1 \\ A \end{pmatrix}$ | (mentioned under unit C) leads to unit A, and is then referred to as $\begin{pmatrix} C \\ A \end{pmatrix}$   |
| <u>Voorbeeld bedrading</u>  | : | Draad   | $\begin{pmatrix} 1 \\ A \end{pmatrix}$ | (genoemd bij unit C) gaat naar unit A, en is daar $\begin{pmatrix} C \\ A \end{pmatrix}$ genoemd.             |
| <u>Exemple de câblage</u>   | : | Le fil  | $\begin{pmatrix} 1 \\ A \end{pmatrix}$ | (mentionné sous bloc C) va vers le bloc A, ou il est numéroté $\begin{pmatrix} C \\ A \end{pmatrix}$          |
| <u>Verdrahtungsbeispiel</u> | : | Draht   | $\begin{pmatrix} 1 \\ A \end{pmatrix}$ | (bei Einheit C genannt) führt nach Einheit A, und ist dort $\begin{pmatrix} C \\ A \end{pmatrix}$ nummeriert. |
| <u>Esempio di cablaggio</u> | : | Il filo | $\begin{pmatrix} 1 \\ A \end{pmatrix}$ | (di cui al blocco C) va verso blocco A, dov'è marcato con $\begin{pmatrix} C \\ A \end{pmatrix}$              |

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| GB                                                                            | NL                                                                                   | F                                                                                             | D                                                                                             | I                                                                             |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Cabinet/Z<br>4822 425 60077                                                   | Kast/Z<br>4822 425 60073                                                             | Coffre/Z<br>4822 425 60073                                                                    | Gehäuse/Z<br>4822 425 60073                                                                   | Mobile/Z<br>4822 425 60073                                                    |
| Cabinet/S<br>4822 462 70728                                                   | Kast/S<br>4822 462 70728                                                             | Coffre/S<br>4822 462 70728                                                                    | Gehäuse/S<br>4822 462 70728                                                                   | Mobile/S<br>4822 462 70728                                                    |
| Front panel complete<br>4822 426 50116                                        | Frontplaat compleet<br>4822 426 50116                                                | Panneau avant complet<br>4822 426 50116                                                       | Fronplatte compleet<br>4822 426 50116                                                         | Pannello frontale completo<br>4822 426 50116                                  |
| Loudspeaker grill<br>4822 454 30168                                           | Luidsprekerrooster<br>4822 454 30168                                                 | Grille de H. P.<br>4822 454 30168                                                             | Lausprechergritter<br>4822 454 30168                                                          | Griglia altoparlante<br>4822 454 30168                                        |
| Ornamental plate with knob<br>4822 454 10234                                  | Sierplaat met knoppen-<br>indicatie<br>4822 454 10234                                | Enjoliveur avec indication<br>pour boutons<br>4822 454 10234                                  | Zierstreifen mit Bezeichnung<br>der Knöpfe<br>4822 454 10234                                  | Plastrina ornamentale con<br>manopola indicatrice<br>4822 454 10234           |
| Ornamental strip (upper<br>part of front)<br>4822 460 10267                   | Sierstrip (bovenste gedeelte<br>van het front)<br>4822 460 10267                     | Enjoliveur (panneau avant<br>supérieur)<br>4822 460 10267                                     | Zierleiste (obere Fronplatte)<br>4822 460 10267                                               | Sirriacina ornamentale (parte<br>superiore del frontale )<br>4822 460 10267   |
| Fuse holder<br>4822 256 30108                                                 | Smeltveiligheidshouder<br>4822 256 30108                                             | Porte-fusible<br>4822 256 30108                                                               | Schmelzeicherungshalter<br>4822 256 30108                                                     | Portafusibile<br>4822 256 30108                                               |
| Knob (tone, volume)<br>4822 413 30474                                         | Knop (toon, volume)<br>4822 413 30474                                                | Bouton (tonalité, volume)<br>4822 413 30474                                                   | Knopf (Lauststärke)<br>4822 413 30474                                                         | Manopola<br>(volume)<br>4822 413 30474                                        |
| Knob (tuning)<br>4822 413 40489                                               | Knop (afstemming)<br>4822 413 40489                                                  | Bouton (sintonisation)<br>4822 413 40489                                                      | Knopf (Abstimmung)<br>4822 413 40489                                                          | Manopola (intonia)<br>4822 413 40489                                          |
| Spring for knob<br>4822 532 10284                                             | Klemveer knop<br>4822 532 10284                                                      | Ressort de serrage du bouton<br>4822 532 10284                                                | Haltefeder Knopf<br>4822 532 10284                                                            | Molla di fissaggio manopola<br>4822 532 10284                                 |
| Push-button LW<br>4822 410 21061                                              | Druktoets LG<br>4822 410 21061                                                       | Touche GO<br>4822 410 21061                                                                   | Drucktaste LW<br>4822 410 21061                                                               | Tasto OL<br>4822 410 21061                                                    |
| Push-button LW<br>4822 410 21062                                              | Druktoets KG<br>4822 410 21062                                                       | Touche OC<br>4822 410 21062                                                                   | Drucktaste KW<br>4822 410 21062                                                               | Tasto OC<br>4822 410 21062                                                    |
| Push-button FM<br>4822 410 21063                                              | Druktoets FM<br>4822 410 21063                                                       | Touche FM<br>4822 410 21063                                                                   | Drucktaste FM<br>4822 410 21063                                                               | Tasto FM<br>4822 410 21063                                                    |
| Push-button MW1<br>4822 410 21064                                             | Druktoets MG1<br>4822 410 21064                                                      | Touche PO1<br>4822 410 21064                                                                  | Drucktaste MW1<br>4822 410 21064                                                              | Tasto OM1<br>4822 410 21064                                                   |
| Push-button MW2<br>4822 410 21065                                             | Druktoets MG2<br>4822 410 21065                                                      | Touche PO2<br>4822 410 21065                                                                  | Drucktaste MW2<br>4822 410 21065                                                              | Tasto OM2<br>4822 410 21065                                                   |
| Casing of slide switch FM<br>4822 278 40003                                   | Huis van de schuifschakelaar<br>FM<br>4822 278 40003                                 | Boîtier du commutateur à<br>FM<br>4822 278 40003                                              | Gehäuse von Schiebeschalter<br>FM<br>4822 278 40003                                           | Contenitore del commutatore<br>a sfilta FM<br>4822 278 40003                  |
| Casing of slide switch SW<br>4822 278 40002                                   | Huis van de schuifschakelaar<br>KG<br>4822 278 40002                                 | Boîtier du commutateur à<br>KG<br>4822 278 40002                                              | Gehäuse von Schiebeschalter<br>KW<br>4822 278 40002                                           | Contenitore del commutatore<br>a sfilta OC<br>4822 278 40002                  |
| Casing of slide switch LW<br>4822 278 40004                                   | Huis van de schuifschakelaar<br>LG<br>4822 278 40004                                 | Boîtier du commutateur à<br>LG<br>4822 278 40004                                              | Gehäuse von Schiebeschalter<br>LW<br>4822 278 40004                                           | Contenitore del commutatore<br>a sfilta OL<br>4822 278 40004                  |
| Casing of slide switch MW2<br>4822 278 40004                                  | Huis van de schuifschakelaar<br>MG2<br>4822 278 40004                                | Boîtier du commutateur à<br>MG2<br>4822 278 40004                                             | Gehäuse von Schiebeschalter<br>MW2<br>4822 278 40004                                          | Contenitore del commutatore<br>a sfilta OM2<br>4822 278 40004                 |
| Slider of slide switch FM<br>4822 278 30085                                   | Schuif van schuifschakelaar<br>FM<br>4822 278 30085                                  | Tiroir du commutateur FM<br>4822 278 30085                                                    | Schieber von Schiebeschalter<br>FM<br>4822 278 30085                                          | Cursore del commutatore a<br>sfilta FM<br>4822 278 30085                      |
| Slider of slide switch SW<br>4822 278 30088                                   | Schuif van schuifschakelaar<br>KG<br>4822 278 30088                                  | Tiroir du commutateur OC<br>4822 278 30088                                                    | Schieber von Schiebeschalter<br>KW<br>4822 278 30088                                          | Cursore del commutatore a<br>sfilta OC<br>4822 278 30088                      |
| Slider of slide switch LW<br>4822 278 30087                                   | Schuif van schuifschakelaar<br>LG<br>4822 278 30087                                  | Tiroir du commutateur GO<br>4822 278 30087                                                    | Schieber von Schiebeschalter<br>LW<br>4822 278 30087                                          | Cursore del commutatore a<br>sfilta GO<br>4822 278 30087                      |
| Slider of slide switch MW2<br>4822 278 30086                                  | Schuif van schuifschakelaar<br>MG2<br>4822 278 30086                                 | Tiroir du commutateur PO2<br>4822 278 30086                                                   | Schieber von Schiebeschalter<br>MW2<br>4822 278 30086                                         | Cursore del commutatore a<br>sfilta OM2<br>4822 278 30086                     |
| Guiding plate of slide switch<br>MW1<br>4822 466 90684                        | Geleidingsplaatje van schuif-<br>schakelaar MG1<br>4822 466 90684                    | Plaque-guide du commutateur<br>à tiroir PO1<br>4822 466 90684                                 | Führungplatte von Schiebe-<br>schalter MW1<br>4822 466 90684                                  | Plastrina di guida del commu-<br>tatore a sfilta OM1<br>4822 466 90684        |
| Plug aerial AM<br>4822 264 30042                                              | Steker antenne AM<br>4822 264 30042                                                  | Fiche antenne AM<br>4822 264 30042                                                            | Stecker Antenne AM<br>4822 264 30042                                                          | Spina antenna AM<br>4822 264 30042                                            |
| Plug aerial FM<br>4822 264 30043                                              | Steker antenne FM<br>4822 264 30043                                                  | Fiche antenne FM<br>4822 264 30043                                                            | Stecker Antenne FM<br>4822 264 30043                                                          | Spina antenna FM<br>4822 264 30043                                            |
| Plug (5 poles)<br>4822 264 40028                                              | Steker (5 polig)<br>4822 264 40028                                                   | Fiche (pentapolaire)<br>4822 264 40028                                                        | Stecker (5 polig)<br>4822 264 40028                                                           | Spina 5 poli<br>4822 264 40028                                                |
| Connection plate<br>4822 267 20126                                            | Aansluitplaat<br>4822 267 20126                                                      | Plaque de connexion<br>4822 267 20126                                                         | Anschlussplatte<br>4822 267 20126                                                             | Plastrina di connessione<br>4822 267 20126                                    |
| Pulley (varco)<br>4822 528 80385                                              | Snaarwiel (var. condensator)<br>4822 528 80385                                       | Poulie (condensateur variable)<br>4822 528 80385                                              | Seilrad (var. Kondensator)<br>4822 528 80385                                                  | Puleggia<br>4822 528 80385                                                    |
| Pulley<br>4822 528 80435                                                      | Snaarwiel<br>4822 528 80435                                                          | Aiguille<br>4822 528 80435                                                                    | Zeiger<br>4822 528 80435                                                                      | Indice<br>4822 528 80435                                                      |
| Pointer<br>4822 450 80323                                                     | Aandrijfsnaar<br>4822 450 80323                                                      | Corde d'entraînement<br>4822 450 80323                                                        | Antriebssepe<br>4822 450 80323                                                                | Cordina di trascinamento<br>4822 450 80323                                    |
| Drive cord<br>4822 321 30102                                                  | Veer getreigde S3<br>4822 321 30102                                                  | Ressort pour commutateur S3<br>intégré<br>4822 321 30102                                      | Feder für integrierten S3-<br>Schalter<br>4822 321 30102                                      | Molla del commutatore<br>integrato S3<br>4822 321 30102                       |
| Spring S3 switch integrated<br>4822 492 61644                                 | Spring S3 switch integrated<br>4822 492 61644                                        | Entrouvre en bronze<br>commutateur S3 intégré<br>4822 492 61644                               | Bronzen Abstandsstück für<br>integrierten S3-Schalter<br>4822 492 61644                       | Distanziatore in bronzo per<br>commutatore integrato S3<br>4822 492 61644     |
| Bronze distance piece<br>4822 404 10152                                       | Bronze afstandstukje gefit-<br>greide S3 schakelaar<br>4822 404 10152                | Entrouvre en bronze<br>commutateur S3 intégré<br>4822 404 10152                               | Abstandsstück (Kunststoff)<br>4822 404 10152                                                  | Distanziatore (plastica)<br>4822 404 10152                                    |
| Distance piece (plastic)<br>4822 401 10544                                    | Block on distance piece for<br>fixing print<br>4822 401 10544                        | Block auf Kunststoff- Abstands-<br>stück für Befestigung der<br>Printplatte<br>4822 401 10544 | Block auf Kunststoff- Abstands-<br>stück für Befestigung der<br>Printplatte<br>4822 401 10544 | Blocco sul distanzialore<br>per fissaggio circuito stampato<br>4822 401 10544 |
| Fixing bracket for trans-<br>former<br>4822 401 10546                         | Beugel voor bev. transfor-<br>mator<br>4822 401 10546                                | Etrier pour transformateur<br>4822 401 10546                                                  | Beugel für Transformator<br>4822 401 10546                                                    | Squadra di fissaggio trasfor-<br>matore<br>4822 401 10546                     |
| Support ferroceptor<br>plate fixing push-button<br>on slide<br>4822 401 10545 | Ferroceptorhouder<br>Plaat voor bevestiging van<br>toets op schuif<br>4822 401 10545 | Support de ferrocapteur<br>Plaque de fixation de la<br>touche sur le tiroir<br>4822 401 10545 | Halterung für Ferroantenne<br>Befestigungsplatte für<br>Taste auf Schieber<br>4822 401 10545  | Squadra di fissaggio del<br>circuito stampato<br>4822 401 10545               |
| Lamp holder<br>4822 466 90681                                                 | Lamphouder<br>4822 466 90681                                                         | Support de lampe<br>4822 466 90681                                                            | Lampenfassung<br>4822 466 90681                                                               | Plastrina di fissaggio sulla<br>slitta del tasto<br>4822 466 90681            |
| Scale window (plastic)<br>4822 333 40129                                      | Schaal /00<br>4822 333 40129                                                         | Fenêtre de cadran (plastique)<br>4822 333 40129                                               | Skalenfenster (Kunststoff)<br>4822 333 40129                                                  | Plastrina della scala (plastica)<br>4822 333 40129                            |
| Scale /00<br>4822 333 40131                                                   | Schaal /22<br>4822 333 40131                                                         | Cadran /00<br>4822 333 40131                                                                  | Skala /00<br>4822 333 40131                                                                   | Scala /00<br>4822 333 40131                                                   |
| Scale /22                                                                     |                                                                                      |                                                                                               |                                                                                               | Scala /22                                                                     |

| GB                                                                | S                                                                    | DK                                                                | N                                                                 | SF                                                               |
|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------|
| Cabinet/Z<br>4822 425 60077                                       | Kåpe/Z<br>4822 425 60073                                             | Kabinett/Z<br>4822 425 60073                                      | Kabinett/Z<br>4822 425 60073                                      | Laatikko/Z<br>4822 425 60073                                     |
| Cabinet/S<br>4822 462 70728                                       | Kåpe/S<br>4822 462 70728                                             | Kabinett/S<br>4822 462 70728                                      | Kabinett/S<br>4822 462 70728                                      | Laatikko<br>4822 462 70728                                       |
| Foot<br>4822 426 50116                                            | Foot<br>4822 426 50116                                               | Fod<br>4822 426 50116                                             | Fod<br>4822 426 50116                                             | Laatikko<br>4822 426 50116                                       |
| Front panel, complete<br>4822 458 30168                           | Frontpaneel, compleet<br>4822 458 30168                              | Frontpanel, komplet<br>4822 458 30168                             | Frontpanel komplett<br>4822 458 30168                             | Etuosien, täydellinen<br>4822 458 30168                          |
| Loudspeaker grille<br>4822 454 10234                              | Höglarsgaller<br>4822 454 10234                                      | Höglarsgaller<br>4822 454 10234                                   | Höglarsgaller<br>4822 454 10234                                   | Käytännöllinen<br>4822 454 10234                                 |
| Ornamental plate with knob<br>4822 454 10234                      | Dekorplatta med rattindikering<br>4822 454 10234                     | Pyntplade med knappindikering<br>4822 454 10234                   | Pyntplade med knappindikasjon<br>4822 454 10234                   | Koristelevy nappimerkinnän<br>4822 454 10234                     |
| Indication<br>4822 460 10267                                      | Dekorlist (frontens zövre del)<br>4822 460 10267                     | Pyntestrip (øvreste del af<br>front)<br>4822 460 10267            | Pynteliste (øvre del av front)<br>4822 460 10267                  | Koristeinauha (etuseinn ylikosa)<br>4822 460 10267               |
| Ornamental strip (upper part)<br>of front)<br>4822 256 30108      | Sikringshållare<br>4822 256 30108                                    | Sikringsholder<br>4822 256 30108                                  | Sikringsholder<br>4822 256 30108                                  | Sulakepidin<br>4822 256 30108                                    |
| Fuse holder<br>4822 413 30474                                     | Ratt (avstämning)<br>4822 413 30474                                  | Ratt (avstemning)<br>4822 413 30474                               | Ratt (avstemning)<br>4822 413 30474                               | Nappi (vriety)<br>4822 413 30474                                 |
| Knob (tone, volume)<br>4822 413 40489                             | Ratt (afstemning)<br>4822 413 40489                                  | Ratt (afstemning)<br>4822 413 40489                               | Ratt (afstemning)<br>4822 413 40489                               | Nappi (vriety)<br>4822 413 40489                                 |
| Spring for knob<br>4822 532 10284                                 | Rattgjæder<br>4822 532 10284                                         | Fjeder for knap<br>4822 532 10284                                 | Fjær for knapp<br>4822 532 10284                                  | Nappin jousi<br>4822 532 10284                                   |
| Push-button LW<br>4822 410 21061                                  | Tangent LV<br>4822 410 21061                                         | Trykknapp LB<br>4822 410 21061                                    | Trykknapp LB<br>4822 410 21061                                    | Näppin PÄ<br>4822 410 21061                                      |
| Push-button SW<br>4822 410 21062                                  | Tangent KV<br>4822 410 21062                                         | Trykknapp KB<br>4822 410 21062                                    | Trykknapp KB<br>4822 410 21062                                    | Näppin ULÄ<br>4822 410 21062                                     |
| Push-button FM<br>4822 410 21063                                  | Tangent FM<br>4822 410 21063                                         | Trykknapp FM<br>4822 410 21063                                    | Trykknapp FM<br>4822 410 21063                                    | Näppin ULÄ<br>4822 410 21063                                     |
| Push-button MW1<br>4822 410 21064                                 | Tangent MB1<br>4822 410 21064                                        | Trykknapp MB1<br>4822 410 21064                                   | Trykknapp MB1<br>4822 410 21064                                   | Näppin KÄ1<br>4822 410 21064                                     |
| Push-button MW2<br>4822 410 21065                                 | Tangent MB2<br>4822 410 21065                                        | Trykknapp MB2<br>4822 410 21065                                   | Trykknapp MB2<br>4822 410 21065                                   | Näppin KÄ2<br>4822 410 21065                                     |
| Casing of slide switch FM<br>4822 278 40003                       | Kåpa för sliedomkopplare FM<br>4822 278 40003                        | Hus for slydeomskifter FM<br>4822 278 40003                       | Hus for slydeomskifter FM<br>4822 278 40003                       | Lukkytkimen kotelio ULÄ<br>4822 278 40003                        |
| Casing of slide switch SW<br>4822 278 40002                       | Kåpa för sliedomkopplare KV<br>4822 278 40002                        | Hus for slydeomskifter KV<br>4822 278 40002                       | Hus for slydeomskifter KV<br>4822 278 40002                       | Lukkytkimen kotelio LÄ<br>4822 278 40002                         |
| Casing of slide switch LW<br>4822 278 40004                       | Kåpa för sliedomkopplare LV<br>4822 278 40004                        | Hus for slydeomskifter LV<br>4822 278 40004                       | Hus for slydeomskifter LV<br>4822 278 40004                       | Lukkytkimen kotelio PÄ<br>4822 278 40004                         |
| Casing of slide switch MW2<br>4822 278 40004                      | Kåpa för sliedomkopplare MB2<br>4822 278 40004                       | Hus for slydeomskifter MB2<br>4822 278 40004                      | Hus for slydeomskifter MB2<br>4822 278 40004                      | Lukkytkimen kotelio KÄ2<br>4822 278 40004                        |
| Slider of slide switch FM<br>4822 278 30085                       | Slid till sliedomkopplare FM<br>4822 278 30085                       | Sleide for slydeomskifter FM<br>4822 278 30085                    | Sleide for slydeomskifter FM<br>4822 278 30085                    | Lukkytkimen liuku ULÄ<br>4822 278 30085                          |
| Slider of slide switch SW<br>4822 278 30088                       | Slid till sliedomkopplare KV<br>4822 278 30088                       | Sleide for slydeomskifter KV<br>4822 278 30088                    | Sleide for slydeomskifter KV<br>4822 278 30088                    | Lukkytkimen liuku LÄ<br>4822 278 30088                           |
| Slider of slide switch LW<br>4822 278 30087                       | Slid till sliedomkopplare LV<br>4822 278 30087                       | Sleide for slydeomskifter LV<br>4822 278 30087                    | Sleide for slydeomskifter LV<br>4822 278 30087                    | Lukkytkimen liuku PÄ<br>4822 278 30087                           |
| Slider of slide switch MW2<br>4822 278 30086                      | Slid till sliedomkopplare MB2<br>4822 278 30086                      | Sleide for slydeomskifter MB2<br>4822 278 30086                   | Sleide for slydeomskifter MB2<br>4822 278 30086                   | Lukkytkimen liuku KÄ2<br>4822 278 30086                          |
| Guiding plate of slide switch<br>MW1<br>4822 466 90684            | Sytriplatta för sliedomkopplare<br>MB1<br>4822 466 90684             | Styrplade for slydeomskifter<br>MB1<br>4822 466 90684             | Styrplade for slydeomskifter<br>MB1<br>4822 466 90684             | Lukkytkimen ohjaukslevy<br>KÄ1<br>4822 466 90684                 |
| Plug aerial AM<br>4822 264 30042                                  | Antennplugg AM<br>4822 264 30042                                     | Stik for AM-antenne<br>4822 264 30042                             | Stik for AM-antenne<br>4822 264 30042                             | AM-antennin pistike<br>4822 264 30042                            |
| Plug aerial FM<br>4822 264 30043                                  | Antennplugg FM<br>4822 264 30043                                     | Stik for FM-antenne<br>4822 264 30043                             | Stik for FM-antenne<br>4822 264 30043                             | FM-antennin pistike<br>4822 264 30043                            |
| Plug (5 poles)<br>4822 264 40028                                  | 5-polig plugg<br>4822 264 40028                                      | 5-polet stik<br>4822 264 40028                                    | 5-polet stik<br>4822 264 40028                                    | 5-napainen pistike<br>4822 264 40028                             |
| Connection plate<br>4822 267 20126                                | Anslutningsplatta<br>4822 267 20126                                  | Tilslutningsplade<br>4822 267 20126                               | Tilslutningsplade<br>4822 267 20126                               | Liitännälevy<br>4822 267 20126                                   |
| Pulley (varco)<br>4822 528 80385                                  | Trissa för vridkondensator<br>4822 528 80385                         | Pulley<br>4822 528 80385                                          | Pulley<br>4822 528 80385                                          | Sätkond.-vekyöytä<br>4822 528 80385                              |
| Pulley<br>4822 528 80435                                          | Trissa<br>4822 528 80435                                             | Skalaviser<br>4822 528 80435                                      | Skalaviser<br>4822 528 80435                                      | Urnapyörä<br>4822 528 80435                                      |
| Pointer<br>4822 450 80323                                         | Visare<br>4822 450 80323                                             | Skalanör<br>4822 450 80323                                        | Skalanör<br>4822 450 80323                                        | Asteikonaru<br>4822 450 80323                                    |
| Drive cord<br>4822 321 30102                                      | Fjæder for integreret om-<br>kopplare S3<br>4822 321 30102           | Fjæder for integreret S3-<br>omskifter<br>4822 321 30102          | Fjær for integreret S3-<br>vender<br>4822 321 30102               | Integroiddan S3-lytkimen<br>jousi<br>4822 321 30102              |
| Spring integrated S3 switch<br>4822 492 61644                     | Distanstykke brons for<br>integreret omkopplare S3<br>4822 492 61644 | Bronzefandstykke for<br>integreret S3-omskifter<br>4822 492 61644 | Bronzefandstykke for<br>integreret S3-omskifter<br>4822 492 61644 | Integroiddan S3-lytkimen<br>mosimivälilike<br>4822 492 61644     |
| Bronze distance piece inte-<br>grated S3 switch<br>4822 404 10152 | Distanstykke brons for<br>integreret omkopplare S3<br>4822 404 10152 | Bronzefandstykke for<br>integreret S3-omskifter<br>4822 404 10152 | Bronzefandstykke for<br>integreret S3-omskifter<br>4822 404 10152 | Integroiddan S3-lytkimen<br>väliike<br>4822 404 10152            |
| Distance piece (plastic)<br>4822 401 10544                        | Distanstykke, plast<br>4822 401 10544                                | Abstandsstykke (plastic)<br>4822 401 10544                        | Abstandsstykke (plastic)<br>4822 401 10544                        | Integroiddan S3-lytkimen<br>väliike<br>4822 401 10544            |
| Block on distance piece<br>to fix the print<br>4822 466 90682     | Block paa distansstykke foer<br>printbæstigele<br>4822 466 90682     | Block på afstandstykke for<br>printbæstigele<br>4822 466 90682    | Block på afstandstykke for<br>printbæstigele<br>4822 466 90682    | Integroiddan S3-lytkimen väliike<br>4822 466 90682               |
| Fixing bracket for trans-<br>former<br>4822 464 70038             | Festvinkel for transformator<br>4822 464 70038                       | Festvinkel for transformator<br>4822 464 70038                    | Festvinkel for transformator<br>4822 464 70038                    | Kytkentälevyn kiinnityskappale<br>välilikeeset<br>4822 464 70038 |
| Fixing bracket for print<br>4822 401 10546                        | Fästvinkel för tryckt<br>kretskort<br>4822 401 10546                 | Fästvinkel för tryckt<br>kretskort<br>4822 401 10546              | Fästvinkel för tryckt<br>kretskort<br>4822 401 10546              | Muunnattua kiinnitin<br>4822 401 10546                           |
| Support ferroceptor<br>4822 401 10545                             | Stöd för ferroceptor<br>4822 401 10545                               | Stöd för ferroceptor<br>4822 401 10545                            | Stöd för ferroceptor<br>4822 401 10545                            | Kytkentälevyn kiinnitin<br>4822 401 10545                        |
| Plate fixing push-button<br>on slide<br>4822 466 90683            | Platta fästare av trykknapp på<br>slid<br>4822 466 90683             | Platta fästare av trykknapp på<br>slid<br>4822 466 90683          | Platta fästare av trykknapp på<br>slid<br>4822 466 90683          | Ferroceptorin pidiin<br>4822 466 90683                           |
| Lamp holder<br>4822 255 10007                                     | Lampallare<br>4822 255 10007                                         | Lampallare<br>4822 255 10007                                      | Lampallare<br>4822 255 10007                                      | Kiinnityslävy näppöiden liukkaan<br>4822 255 10007               |
| Scale window (plastic)<br>4822 333 40129                          | Skalfenster, plast<br>4822 333 40129                                 | Skalfenster, plast<br>4822 333 40129                              | Skalfenster, plast<br>4822 333 40129                              | Asteikko-ikkuna (muovia)<br>4822 333 40129                       |
| Scale /22<br>4822 333 40131                                       | Skala /22<br>4822 333 40131                                          | Skala /22<br>4822 333 40131                                       | Skala /22<br>4822 333 40131                                       | Asteikko /22<br>4822 333 40131                                   |

| - 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-195D-195C      | 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 40347 | C22         | 3.3 pF ± 0.25 pF   | 4822 122 30019 |                                                                                         |  |  |
| TS10                                                                                      | AC187                 | 4822 130 40314 | 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         | 150 μF 4 V         | 4822 124 20392 |                                                                                         |  |  |
|                                                                                           |                       |                | 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 ± 5 %        | 4822 122 40012 |                                                                                         |  |  |
|                                                                                           |                       |                | 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         | 1800 μF 16 V       | 4822 124 20423 |                                                                                         |  |  |
|                                                                                           |                       |                | C93         | 5.6 pF ± 0.25 pF   | 4822 122 30004 |                                                                                         |  |  |
|                                                                                           |                       |                | C94         | 33 pF 2 %          | 4822 122 30016 |                                                                                         |  |  |
|                                                                                           |                       |                |             |                    |                |                                                                                         |  |  |
| - S -    |                       |                |             |                    |                |                                                                                         |  |  |
|                                                                                           | abcd                  |                |             |                    |                |                                                                                         |  |  |
| S1,2,3,4                                                                                  |                       | 4822 158 60295 |             |                    |                |                                                                                         |  |  |
| S5,6                                                                                      | 7--1                  | 4822 156 60053 |             |                    |                |                                                                                         |  |  |
| S7,8,9                                                                                    |                       | 4822 156 30079 |             |                    |                |                                                                                         |  |  |
| 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 20087 |             |                    |                |                                                                                         |  |  |
| S51,52,53,54                                                                              |                       | 4822 145 40122 |             |                    |                |                                                                                         |  |  |
|                                                                                           |                       |                |             |                    |                |                                                                                         |  |  |
| - R -  |                       |                | - Various - |                    |                |                                                                                         |  |  |
| R39                                                                                       | 1 MΩ 1/8 W            | 4822 110 61187 | LA1,2       | 4 V 100 mA         | 4822 134 40002 |                                                                                         |  |  |
| R43                                                                                       | 47 kΩ pot. meter      | 4822 101 20371 | VL1         | 500 mA delayed     | 4822 253 30017 |                                                                                         |  |  |
| R44                                                                                       | 5+7 kΩ pot. meter     | 4822 100 50008 | VL2         | therminal fuse     | 4822 252 20007 |                                                                                         |  |  |
| R55                                                                                       | NTC 33 Ω 10 %         | 4822 116 30082 |             |                    |                |                                                                                         |  |  |
| R56                                                                                       | Safety res. 470 Ω 5 % | 4822 111 30013 |             |                    |                |                                                                                         |  |  |
| R62                                                                                       | 330 kΩ 5 %            | 4822 110 61174 |             |                    |                |                                                                                         |  |  |