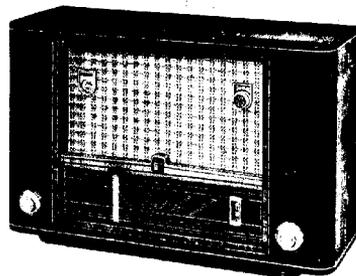


PHILIPS

SERVICE DOCUMENTATIE

voor de ontvanger

BX 632 A-50

R1508

1953 Voor voeding uit wisselstroomnetten.

ALGEMENE GEGEVENS

1. GOLFGEBIEDEN

F.M. : 3,43 - 3 m (87,5 - 100 MHz)
 K.G.2 : 16,5 - 50 m (18,2 - 5,95MHz)
 M.G. : 187 - 580m (1604 - 525 kHz)
 L.G. : 870 -2000m (345 - 150 kHz)

3. BEDIENINGSKNOPPEN

Dubbelknop links:

Netschakelaar + volumeregelaar

Toonregelaar

Tevens basschakelaar (druk-trek)Dubbelknop rechts:

Golfgebiedschakelaar

Afstemming

Knop rechtsboven

Antenne schakelaar+

draaibare ferroceptor

7. BUIZEN

B1 : EF80
 B2 : EC92
 B3 : ECH81
 B4 : EF85
 B5 : EABC80
 B6 : EL84
 B7 : EZ80
 B8 : EM34

8. AFMETINGEN

Lengte : 59 cm
 Diepte : 22,5 cm
 Hoogte : 38,5 cm

9. GEWICHT

ca. 8 kg

11. SCHAALVERLICHTINGSLAMPJES

L1 : 8045D-0C
 L2 : 8045D-00
 L3 : 8073D-00

2. MIDDENFREQUENTIES

Voor F.M. : 10,7 MHz

Voor A.M. : 452 kHz

4. NETSPANNING

110-125-145-200-220 en
245 V.

5. VERBRUIK

ca. 68 W (220V - 50 Hz).

6. LUIDSPREKER

Type: 9770M Z=5 μ

10. BANDBREEDTE VAN HET AM-GEDEELTE

De MF-bandbreedte (1:10), gemeten
vanaf g1B3 bedraagt ca.11 kHz.

De totale bandbreedte (1:10), ge-
meten vanaf de antennebus bedraagt:
ca. 10 kHz bij 250 kHz en
ca. 10,5 kHz bij 1 MHz.

AFREGELLEN VAN DE ONTVANGER1. A.M.-GEDEELTEM.F.-BANDFILTERS

1. Variabele condensator op minimum capaciteit.
2. Volume regelaar op maximum.
3. Golfgebied-schakelaar op M.G.
4. Toonregelaar op scherp.
5. Sluit een voltmeter via een trimtransformator aan op de extra luid-sprekerbussen.
6. Voer een gemoduleerd signaal van 452 kHz via een condensator van 33000 pF aan g1 van B3 toe.
7. Trim de M.F.-kringen af tot maximum uitgangsspanning, in de volgorde aangegeven in de tabel:

| Volgorde | Trimmen tot maximum uitgangsspanning | |
|----------|--------------------------------------|---------------|
| 1 | S37 - C57 | 4e M.F.-kring |
| 2 | S35 - C56 | 3e M.F.-kring |
| 3 | S27 - S28 - C38 | 1e M.F.-kring |
| 4 | S29-S30-C39-C35 | 2e M.F.-kring |

8. De spoelkernen aflakken.

M.F.-SPERKRING EN M.F.-ZUIGKRING

Eerste vijf punten zie boven.

6. Voer een gemoduleerd signaal van 452 kHz via een normale kunstantenne aan de antennebus toe.
7. Kern van S52 uitdraaien en van S33 indraaien.
8. Regel S33 en S52 af tot minimum uitgangsspanning.
9. Lak de kernen van S52 en S33 af.

H.F.- en OSCILLATORKRINGEN

Eerste vijf punten als boven.

LIJST VAN ONDERDELEN

Bij bestelling steeds vermelden:

1. Codenummer en kleur
2. Omschrijving
3. Typenummer van het apparaat.

| Omschrijving | Codenummer |
|---|--------------|
| Kast | A3 003 32.0 |
| Knop (volumeregelaar + golfgebiedschakelaar) | A3 736 07.0 |
| Knop (toonregeling) | A3 735 55.0 |
| Knop (afstemming) | A3 735 15.0 |
| Achterwand | A3 255 46.0 |
| Vensterring (golfgebiedindicatie) | A3 360 61.0 |
| Schakelaar | A3 186 67.0 |
| Snaarschijf (AA, klein) | 23 644 75.0 |
| Tussenschijf (AA) | P4 120 03.0 |
| Snaarschijf (AA, groot) | P4 095 03.0 |
| Variabele condensator | zie condens. |
| Trekveer in trommel van variabele condensator | A3 646 57.0 |
| Trekveer in wijzersnaar | A3 646 14.0 |
| Veer voor enkele spoelbus | A3 652 75.0 |
| Veer voor dubbele spoelbus | A3 652 58.3 |
| Spanningscarrousel | A3 228 85.0 |
| Tule onder F.M.-chassis | 49 622 35.0 |
| Spoelkoker | P4 105 03.0 |
| 4 aderige lintkabel | R210KN/03AA |
| Buishouder (6x) | B1 505 22.0 |
| Buishouder (EM34) | B1 505 26.1 |
| Buishouder (EC92) | B1 505 16.0 |
| Verlichtingslamphouder | A3 360 52.0 |
| Tule voor chassisbevestiging | A3 642 18.0 |
| Stekerbuisplaat (antenne + Pick-up) | A3 393 24.0 |
| Stat. schaal (N) | A3 741 17.0 |
| Stat. schaal (Z) | A3 741 18.0 |
| Bladveer | A3 648 56.2 |
| Beugel | A3 452 33.0 |
| Snaarschijf (AA) | P4 095 06.0 |
| Strip | A3 406 21.0 |
| Veer in trommel | A3 646 26.0 |
| Plaat | A3 393 47.0 |
| Knop voor staafantenne | A3 737 22.0 |
| Veer in knop | A3 522 08.0 |
| Venster voor staafantenne | A3 360 63.0 |
| Verlichtingslamphouder voor staafantenne | A3 359 16.1 |
| Trommel (AA) | P4 380 53.0 |
| Antenneschakelaar | A3 401 79.0 |
| Moer voor potentiometers | 49 758 21.0 |
| Embleem | A3 357 14.0 |

| | | | | | |
|-------|--------|-------------|------|-------------|-----------------|
| S1 | | | C53) | 22 pF | |
| S2 | | A3 141 37.5 | C59) | 39 pF | |
| S3 | | | S43 | | A1 000 35.0 |
| S5 | | | S50) | | A3 168 75.1 |
| S6 | | A3 117 30.0 | S51) | | |
| S7 | | | S52 | | A3 117 74.0 |
| S8 | | A3 126 58.0 | C1a | 50 μ F | 48 312 09/50 |
| S9 | | A3 126 56.0 | C1) | 50 μ F | 48 317 59/50+50 |
| S11) | | | C2) | 50 μ F | |
| S12) | | A3 126 57.0 | C3 | 39 pF | 48 203 10/39E |
| S12a) | | | G4) | 8-22 pF | |
| S10) | | | C5) | 8-22 pF | 49 001 76.0 |
| S13) | | A3 126 59.0 | C6) | 12-492pF | |
| S14) | | | C7) | 12-492pF | |
| C37) | | | C8 | 100 pF | 48 203 10/100E |
| S15 | | A3 125 84.0 | C9 | 1500 pF | 48 206 50/1K5 |
| S16) | | A3 125 28.0 | C10 | 22 pF | 48 201 10/22E |
| S17) | | | C11 | 220 pF | 48 203 10/220E |
| S18) | | A3 117 33.0 | C12 | 22 pF | 48 201 10/22E |
| S18a) | | | C13 | 1500 pF | 48 206 50/1K5 |
| S19) | | A3 117 34.0 | C14 | 20 pF | 49 005 59.0 |
| S19a) | | | C15 | 1500 pF | 48 206 50/1K5 |
| S20) | | | C16 | 20 pF | 49 005 59.0 |
| S21) | | A3 125 56.0 | C17 | 22 pF | 48 201 10/22E |
| S22) | | | C18 | 25 pF | 49 005 49.3 |
| S23) | | | C19 | 30 pF | 28 212 36.4 |
| S24) | | A3 125 93.0 | C20 | 1500 pF | 48 206 50/1K5 |
| S25) | | A3 125 76.0 | C21 | 82 pF | 48 203 02/82E |
| S26) | | | C22 | 6800 pF | 48 206 50/6K8 |
| S27) | | | C23 | 47000 pF | 48 751 10/47K |
| S28) | | | C24 | 56 pF | 48 203 10/56E |
| S29) | | A3 122 32.2 | C25 | 10000 pF | 48 207 50/10K |
| S30) | | | C26 | 470 pF | 48 203 10/470E |
| C38) | 115 pF | | C27 | 68 pF | 48 203 02/68E |
| C39) | 115 pF | | C28 | 30 pF | 28 212 36.4 |
| S31) | | | C29 | 390 pF | 48 336 02/390E |
| S32) | | A3 126 60.0 | C30 | 150 pF | 48 336 02/150E |
| C45) | 15 pF | | C31 | 30 pF | 28 212 36.4 |
| C46) | 15 pF | | C32 | 20 pF | 49 005 59.0 |
| S33 | | A3 126 82.0 | C33 | 20 pF | 49 005 59.0 |
| S35) | | | C34 | 82 pF | 48 203 02/82E |
| S37) | | A3 124 09.0 | C35 | 10 pF | 48 201 10/10E |
| C56) | 230 pF | | C36 | 15 pF | 48 201 10/15E |
| C57) | 230 pF | | C37 | 15 pF | zie spoelen |
| S39) | | | C38 | 115 pF | zie spoelen |
| S40) | | | C39 | 115 pF | zie spoelen |
| S41) | | A3 126 00.1 | C40 | 4700 pF | 48 206 50/4K7 |
| S42) | | | C41 | 0,1 μ F | 48 750 10/100K |
| | | | C42 | 3000 pF | 48 429 05/3K |
| | | | C43 | 4700 pF | 48 206 50/4K7 |
| | | | C44 | 6800 pF | 48 206 50/6K8 |
| | | | C45 | 15 pF | zie spoelen |
| | | | C46 | 15 pF | zie spoelen |
| | | | C47 | 100 pF | 48 203 10/100E |
| | | | C48 | 15 pF | 48 201 10/15E |

| | | | | | |
|-----|----------|-----------------|------|---------|------------------|
| C49 | 10000 pF | 48 207 50/10K | R18 | 1 MΩ | A9 999 00/1M |
| C50 | 4700 pF | 48 206 50/4K7 | R19 | 1 MΩ | /1M |
| C51 | 22 pF | 48 201 10/22E | R20 | 1 MΩ | /1M |
| C52 | 10000 pF | 48 751 10/10K | R21 | 56000 Ω | /56K |
| C53 | 22 pF | zie spoelen | R22 | 220 Ω | /220E |
| C55 | 330 pF | 48 203 10/330E | R23 | 47 Ω | /47E |
| C56 | 230 pF | zie spoelen | R24 | 1 MΩ | /1M |
| C57 | 230 pF | zie spoelen | R25 | 0,27 MΩ | /270K |
| C58 | 82 pF | 48 203 10/82E | R26 | 47000 Ω | /47K |
| C59 | 39 pF | zie spoelen | R27 | 47000 Ω | /47K |
| C60 | 82 pF | 48 203 10/82E | R28 | 0,82 MΩ | /820K |
| C61 | 6800 pF | 48 206 50/6K8 | R29 | 0,1 MΩ | /100K |
| C62 | 0,1 μF | 48 751 10/100K | R30 | 10000 Ω | /10K |
| C63 | 33000 pF | 48 750 10/33K | R31) | 0,45 MΩ | 48 900 00/DL50K |
| C64 | 47000 pF | 48 750 10/47K | R32) | 50000 Ω | +450K |
| C65 | 10000 pF | 48 750 10/10K | R33 | 10 MΩ | A9 999 00/10M |
| C66 | 330 pF | 48 203 10/330E | R34 | 0,12 MΩ | /120K |
| C67 | 10000 pF | 48 750 10/10K | R35 | 680 Ω | /680E |
| C68 | 4 μF | AC 5509/4 | R36 | 2,2 MΩ | /2M2 |
| C69 | 22000 pF | 48 751 10/22K | R37 | 2,7 MΩ | /2M7 |
| C70 | 1500 pF | 48 206 50/1K5 | R38 | 47000 Ω | /47K |
| C71 | 2200 pF | 48 758 20/2K2 | R39 | 0,1 MΩ | /100K |
| C72 | 1500 pF | 48 206 50/1K5 | R40 | 47 Ω | B1 636 16.0 |
| C73 | 0,1 μF | 48 757 20/100K | R41 | 33000 Ω | A9 999 00/33K |
| C74 | 56 pF | 48 203 02/56E | R42 | 1000 Ω | /1K |
| C75 | 220 pF | 48 203 10/220E | R43 | 47 Ω | B1 636 16.0 |
| C76 | 100 μF | 48 313 22/100 | R44 | 150 Ω | A9 999 00/150E |
| C77 | 0,1 μF | 48 751 10/100K | R45 | 820 Ω | 49 380 13.0 |
| C78 | 270 pF | 48 203 10/270E | R46) | 50000 Ω | 48 900 00/G15 OK |
| C79 | 10 pF | 48 201 10/10E | R47) | 0,45 MΩ | +450K |
| C80 | 12 pF | 48 201 10/12E | R48 | 56000 Ω | A9 999 00/56K |
| C81 | 68000 pF | 48 750 10/68K | R49 | 2700 Ω | /2K7 |
| C82 | 1800 pF | 48 751 20/1K8 | R50 | 0,22 MΩ | /220K |
| C83 | 1800 pF | 48 751 20/1K8 | R51 | 47000 Ω | /47K |
| C84 | 10000 pF | 48 207 50/10K | R52 | 82000 Ω | /8K2 |
| C85 | 56 pF | 48 203 10/56E | R56 | 82000 Ω | /82K |
| C86 | 270 pF | 48 203 10/270E | R57 | 2,2 MΩ | /2M2 |
| C87 | 270 pF | 48 203 10/270E | R58 | 82000 Ω | /82K |
| R1a | 47 Ω | B1 636 16.0 | | | |
| R1 | 600 Ω | 49 379 78.0 par | | | |
| R2 | 15000 Ω | A9 999 00/15K | | | |
| R3 | 0,22 MΩ | /220K | | | |
| R4 | 220 Ω | /220E | | | |
| R5 | 1000 Ω | /1K | | | |
| R6 | 0,1 MΩ | /100K | | | |
| R7 | 10000 Ω | /10K | | | |
| R8 | 0,1 MΩ | /100K | | | |
| R9 | 47000 Ω | /47K | | | |
| R10 | 33000 Ω | /33K | | | |
| R11 | 390 Ω | /390E | | | |
| R12 | 39000 Ω | /39K | | | |
| R13 | 1500 Ω | /1K5 | | | |
| R14 | 1 MΩ | /1M | | | |
| R15 | 1 MΩ | /1M | | | |
| R16 | 150 Ω | /150E | | | |
| R17 | 150 Ω | /150E | | | |

BX 632A-50

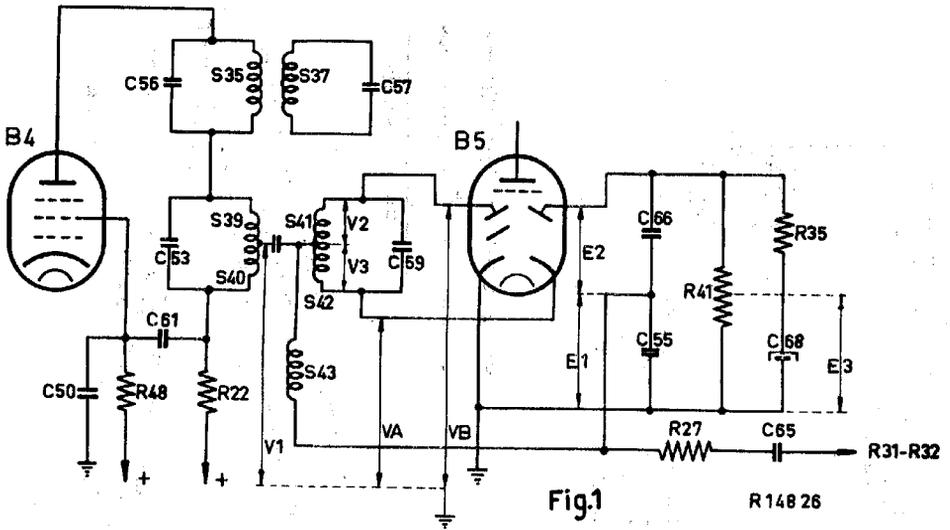


Fig.1

R 148 26

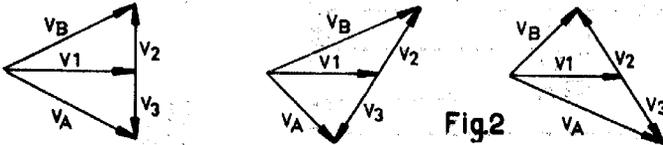
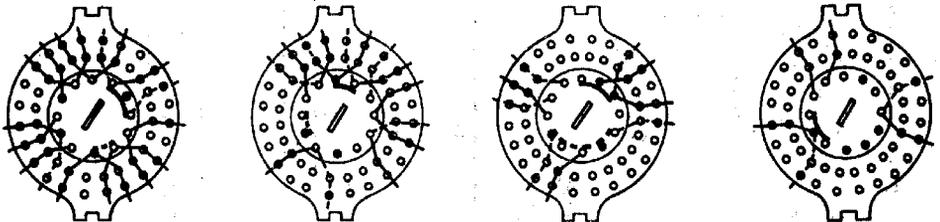


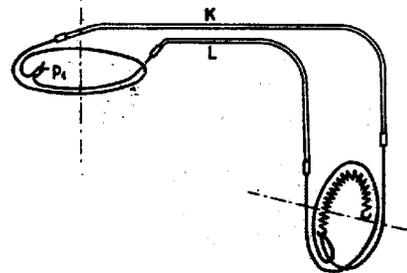
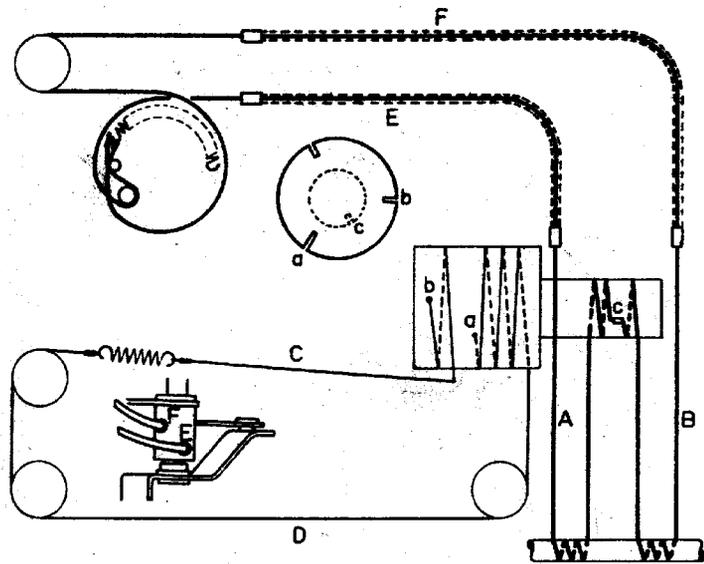
Fig.2



sk3

sk4

R 148 27



- A-595mm. E-187 mm
 B-632 F-181
 C-465 G-830
 D-1020 H-680

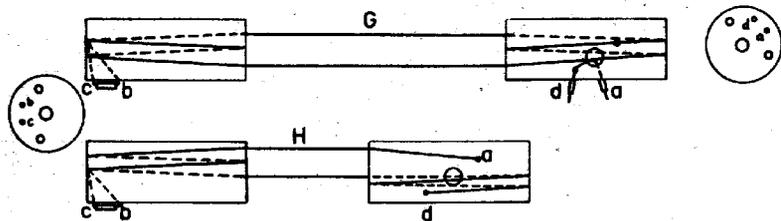
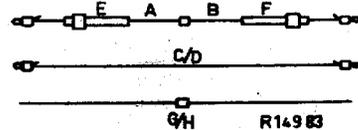
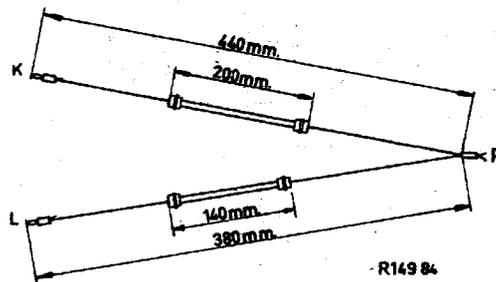


Fig.3



BX 632 A-50

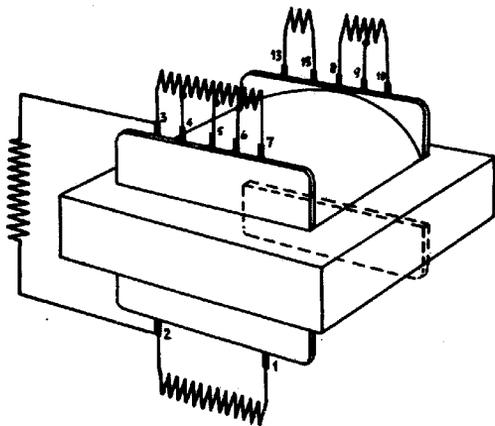
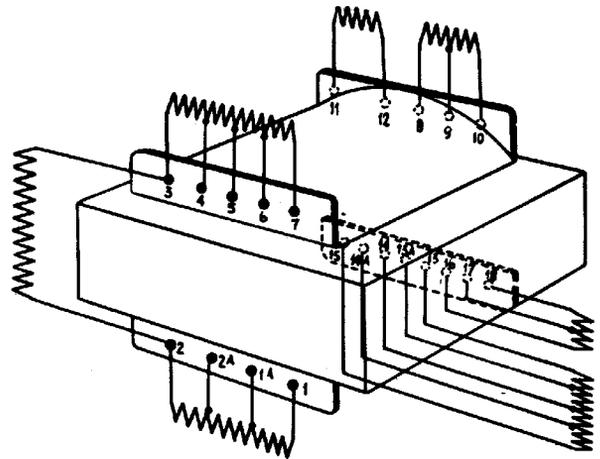


Fig.4



R 148 30

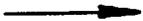
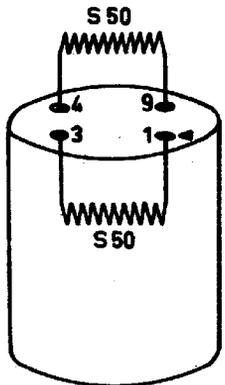
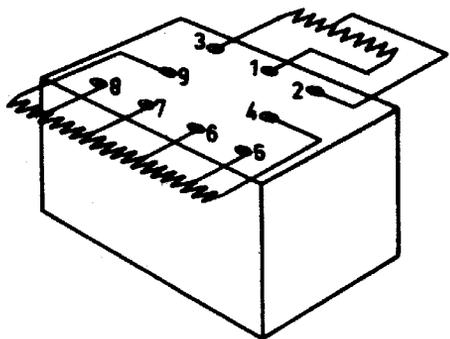


Fig.5



R 148 31

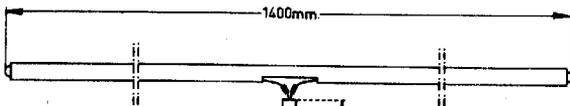
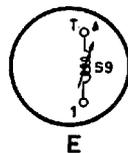
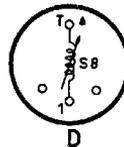
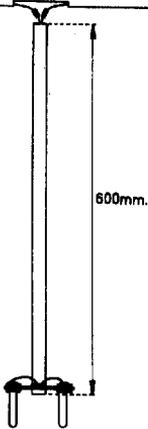
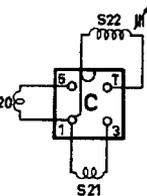
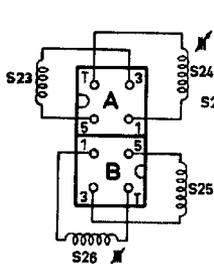


Fig.6



R148 28

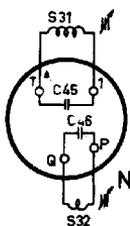
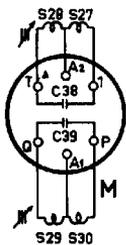
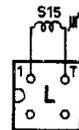
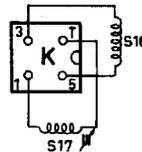
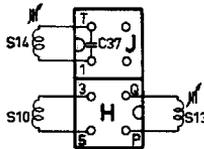
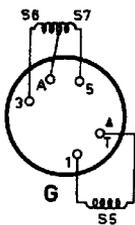
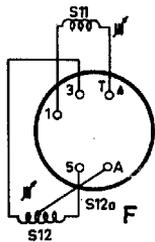
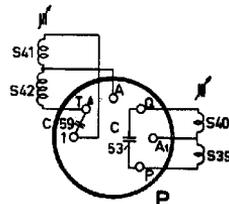
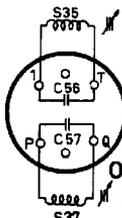
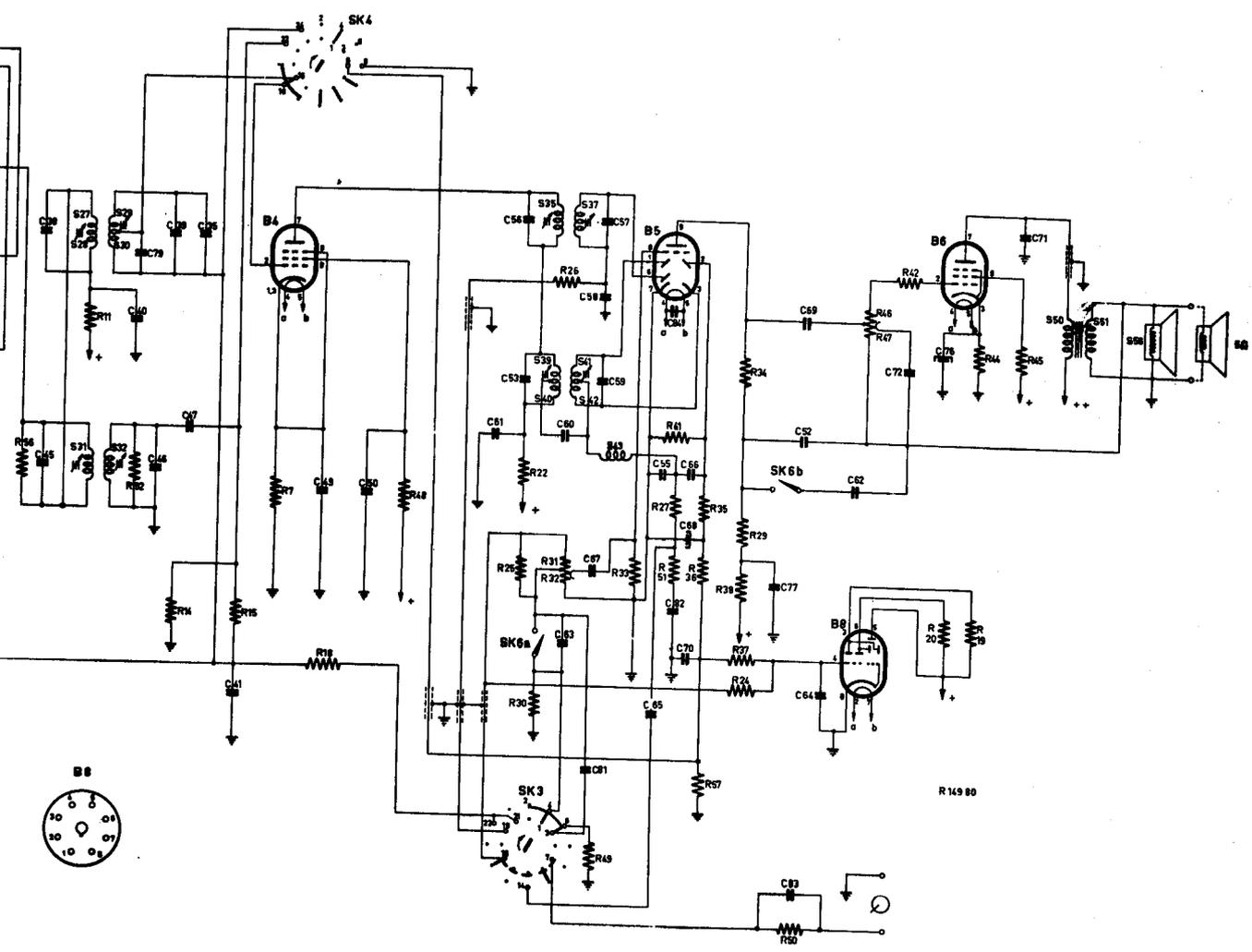


Fig.7



R148 25

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|



| M | N | C | F. E. J. | H. D. A. B. | G. |
|---|--------|--------------------|----------|--------------------|------|
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