

PHILIPS

SERVICE DOCUMENTATIE

voor de ontvanger

B4X65A

UITLEENBIBLIOTHEEK
PHILIPS NEDERLAND
Technische Dienst

1956. Voor voeding uit wisselstroomnetten

Druktoetsen

van links naar rechts

Pick up

| | | | |
|-----------|-----------------|---|---------------|
| K.G. 1 : | 10 - 3,2 MHz | { | 30 - 93,75 m |
| K.G. 2b : | 12,1 - 9,4 MHz | { | 24,8 - 32 m |
| K.G. 2a : | 26,5 - 12,7 MHz | { | 11,41 - 23 m |
| M.G. : | 1610 - 517 kHz | { | 185,2 - 580 m |

Bedieningsknoppen

links : voor : volumeregelaar + netschake-
laar

achter: toonregeling

rechts: voor } afstemming
achter }

Buizen

B1 = ECH81
B2 = EF89
B3 = EBC81
B4 = EL84
B5 = EZ80
B6 = EM80

Bandbreedte

De M.F. bandbreedte (1:10) gemeten vanaf g1B1 bedraagt ongeveer 10 kHz.

De Overall bandbreedte (1:10) gemeten vanaf de antennebussen bedraagt bij 1000 kHz \pm 9kHz.

Middenfrequentie

452 kHz

Netspanningen

90-110-127-145-190-220V

Verbruik

ca. 55 W

Luidspreker

AD 3700X (Z = 5Ω)

Afmetingen

Breedte : 41,8 cm
Hoogte : 30,5 cm
Diepte : 21,3 cm

Schaalverlichtingslampje

8024N-778

HET AFREGELLEN VAN DE ONTVANGERAlgemeen

Volume regelaar op maximale output.

Toonregelaar op maximaal hoog.

Sluit een voltmeter, via een trim trafo aan, op de bussen voor de extra luidspreker.

Indien niet anders aangegeven, worden de signalen via een normale kunstantenne aan de antennebus toegevoerd.

Trimpunt 1 ligt geheel links op de schaal.

De stationswijzer instellen op trimpunt 1 bij minimale capaciteit van de afstemcondensator.

Trimpunt 2 ligt juist rechts van trimpunt 1.

Trimpunt 3 ligt rechts op de schaal.

De kernen der M.F. kringen S22 en S23 zover mogelijk uitdraaien.

| | Golfbereik | Trimpunt | Signaal | Afregelen | Indicatie | |
|----------------------------|------------|----------|--------------------------------|----------------------|-----------------|-----------|
| M.F. Bandfilters | M.G. | 1 | 452 kHz via 33000 pF aan g1-B1 | S24,S23,S21, S22,S23 | Maximale Output | |
| M.F. Sper- en Zuig Kringen | M.G. | 3 | 452 kHz | S19,S20,S19 | Minimale Output | |
| H.F. en Oscillator kringen | M.G | 3 | 550 kHz | S16,S9 | Maximale Output | her-halen |
| | | 2 | 1500kHz | C18,C10 | | |
| | K.G.3 | 2 | 9,4 MHz | C21,C8 | Maximale Output | her-halen |
| | | 3 | 3,4 MHz | S14a,S7 | | |
| | K.G.2a | 3 | 13 MHz | S12,S5 | Maximale Output | her-halen |
| | | 2 | 25 MHz | C20,C9 | | |
| K.G.2b | 2 | 12 MHz | C19,C11 | Maximale Output | her-halen | |

Transformatoren

Indien de originele voedings- of uitgangstransformator defect raakt, moet deze vervangen worden door de standaard transformator genoemd in de elektrische stuklijst.

Voor de aansluitingen zie fig. 2.

Aandrijfsnaren

De lengte en loop der aandrijfsnaren is getekend in fig. 1.

De variable condensator staat hierbij in de stand maximum capaciteit.

Lijst van onderdelen

Bij bestelling steeds vermelden:

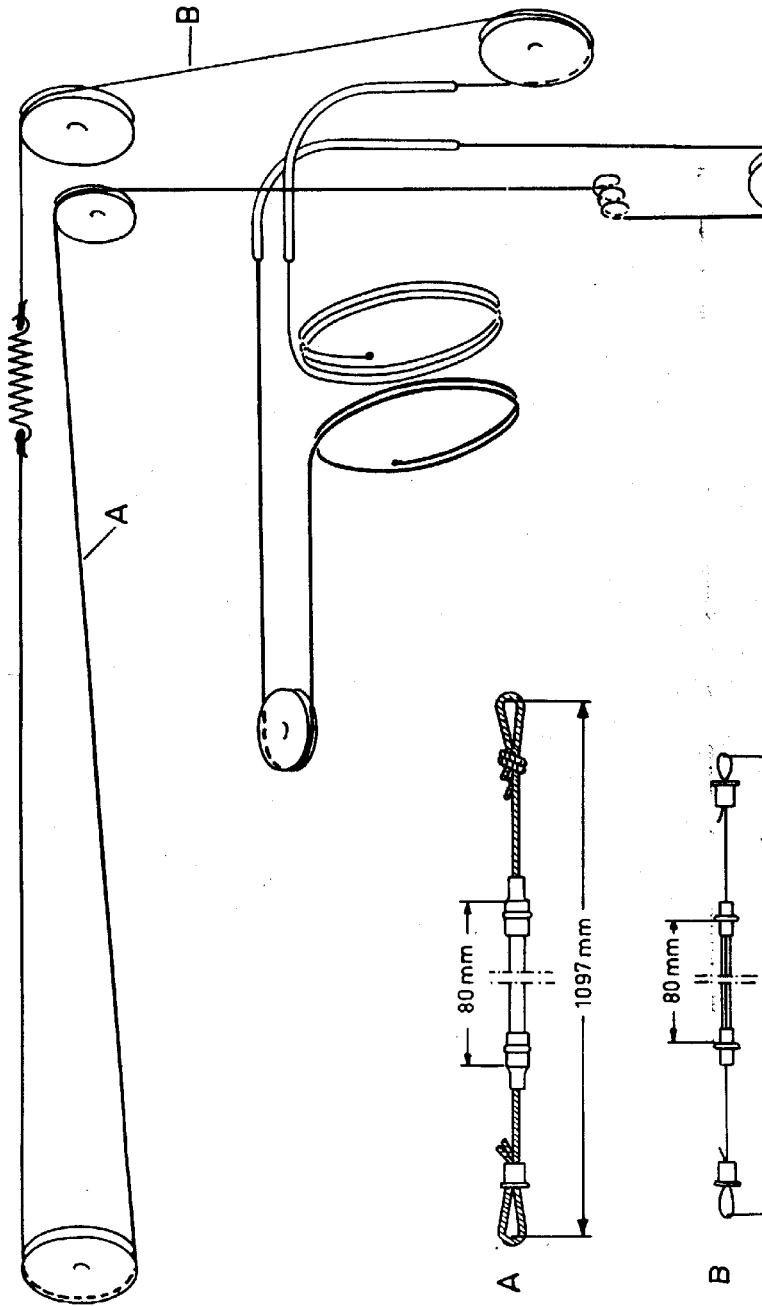
1. Codenummer
2. Omschrijving en kleur
3. Type nummer van het apparaat

| Omschrijving | Codenummer |
|--------------------------------|--------------|
| Kast | A3 770 81.0 |
| Knop groot links | A3 769 33.0 |
| Knop klein links | A3 769 34.0 |
| Knop rechts | A3 769 35.0 |
| Veer in knoppen | A3 522 08.0 |
| Trekveer in aandrijfsnaar | A3 646 47.0 |
| Bladveer voor spoelbus | A3 651 89.0 |
| Kap over netschakelaar | P5 280 25/08 |
| Spanningsomschakelaar | A3 228 85 |
| Stationsschaal (overzee) (O.V) | A3 807 69 |
| Druktöets (creme) | A9 868 19 |
| Contactveer breed | A9 868 23 |
| Contactveer smal | A9 868 22 |
| Contactmes | A9 868 21 |
| Stationsschaal (zuid) (S) | A3 807 68 |

| | | | | | | |
|--------|------|----------------------|-------|-------------------|----|-------------------------|
| S1) | | | C19 | 60 | pF | A9 999 08/60E |
| S2) | | | C20 | 30 | pF | A9 999 08/30E |
| S3) | | A3 141 37.5 | C21 | 30 | pF | A9 999 08/30E |
| S4) | | | C22 | 220 | pF | A9 999 04/220E |
| S5) | | A3 118 40 | C23) | Zie spoelen,voir | | |
| S6) | | | C24) | bobines,see coils | | |
| S7) | | A3 119 58 | C25 | 10.000 | pF | A9 999 04/10K |
| S8) | | | C26 | 470 | pF | A9 999 04/470E |
| S9) | | A3 116 92 | C27 | 10.000 | pF | A9 999 04/10K |
| S10) | | | C28 | 47 | pF | A9 999 04/47E |
| S11) | | A9 999 23/11- | C29) | Zie spoelen,voir | | |
| S12) | | 25 m | C30) | bobines,see coils | | |
| S13) | | | C31 | 4.700 | pF | A9 999 04/4K7 |
| S14) | | A9 999 23/30- | C32) | Zie spoelen,voir | | |
| S14a) | | 90 m | C33) | bobines,see coils | | |
| S15) | | | C34 | 100 | pF | A9 999 04/100E |
| S16) | | A9 999 23/185- | C35 | 10.000 | pF | A9 999 06/10K |
| S19) | | 590 m | C36 | 4.700 | pF | A9 999 04/4K7 |
| S20) | | A3 119 70 | C37 | 15.000 | pF | A9 999 06/15K |
| S21) | | | C38 | 3.900 | pF | A9 999 06/3K9 |
| S22) | | | C39 | 82.000 | pF | A9 999 06/82K |
| C29) | 110 | A9 999 25/452 | C40 | 180.000 | pF | A9 999 06/180K |
| C30) | 195 | | C41 | 15.000 | pF | A9 999 06/V15K |
| S23) | | | C42 | 470.000 | pF | A9 999 06/470K |
| S24) | | | C43 | 10 | pF | A9 999 04/10E |
| C32) | 195 | A3 127 72 | C44 | 47 | pF | A9 999 04/47E |
| C33) | 195 | | C45 | 100 | pF | A9 999 04/100E |
| S25) | | | C46 | 100.000 | pF | A9 999 06/100K |
| S26) | | | C47 | 350 | pF | A9 999 05/200E+ 150E |
| S27) | | A3 152 78.0 | C48 | 2.200 | pF | A9 999 04/2K2 |
| S28) | | | C49 | 4,3 | pF | A9 999 04/4E7 |
| C1) | 50 | | C50 | 4,3 | pF | A9 999 04/4E7 |
| C2) | 50 | A9 999 12/150+ 50 | R1 | 1.000 | Ω | B1 636 33 |
| C3) | | | R2 | 10.000 | Ω | A9 999 00/10K |
| C4) | | 49 001 94.0 | R3 | 47 | Ω | A9 999 00/47E |
| C5 | 1500 | A9 999 04/1K5 | R4 | 1,5 | MΩ | A9 999 00/1M5 |
| C6 | 3000 | A9 999 05/3K | R5 | 22.000 | Ω | A9 999 00/22K |
| C7 | 200 | A9 999 05/200E | R6 | 18 | MΩ | A9 999 00/18M |
| C8 | 22 | A9 999 08/22E | R7 | 33.000 | Ω | A9 999 00/33K |
| C9 | 22 | A9 999 08/22E | R8 | 22.000 | Ω | A9 999 00/22K |
| C10 | 10 | A9 999 08/10E | R9 | 2,2 | MΩ | A9 999 00/2M2 |
| C11 | 22 | A9 999 08/22E | R10 | 270.000 | Ω | A9 999 00/270K |
| C12 | 68 | A9 999 04/68E | R11 | 68.000 | Ω | A9 999 00/68K |
| C13 | 5000 | A9 999 05/5K1 | R12 | 47.000 | Ω | A9 999 00/47K |
| C14 | 430 | A9 999 05/430E | R13 | 100.000 | Ω | A9 999 00/100K |
| C15 | 22 | A9 999 04/22E | R14) | 1,6 | MΩ | |
| C16 | 220 | A9 999 05/220E | R15) | 0,4 | MΩ | |
| C17 | 330 | A9 999 05/330E | R19) | 50.000 | kΩ | E 099 BD/AE 14+20 |
| C18 | 30 | A9 999 08/30E | R20) | 450.000 | kΩ | |
| | | | R16 | 330 | Ω | A9 999 00/330E |
| | | | R17 | 220.000 | Ω | A9 999 00/220K |
| | | | R18 | 18 | MΩ | A9 999 00/18M |
| | | | R21 | 120 | Ω | A9 999 00/120E |
| | | | R22 | 1.000 | Ω | A9 999 00/1K |

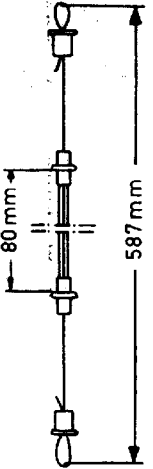
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| | | | | | | | |
|-----|---------|---|----------------|-----|---------|---|----------------|
| R24 | 470 | Ω | A9 999 00/470E | R27 | 2.200 | Ω | B1 636 08 |
| R25 | 120 | Ω | A9 999 00/120E | R28 | 470.000 | Ω | A9 999 00/470K |
| R26 | 100.000 | Ω | A9 999 00/100K | R30 | 100.000 | Ω | A9 999 00/100K |
| | | | | | | | #1 |
| | | | | | | | WJ/RT |





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B

Fig.1

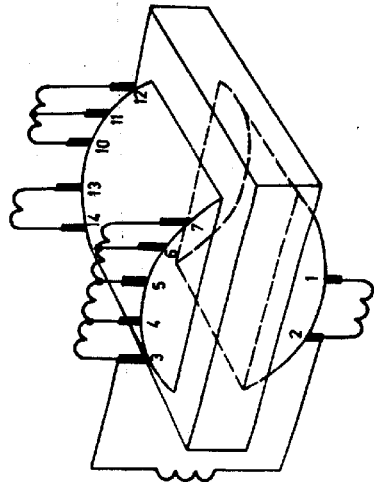
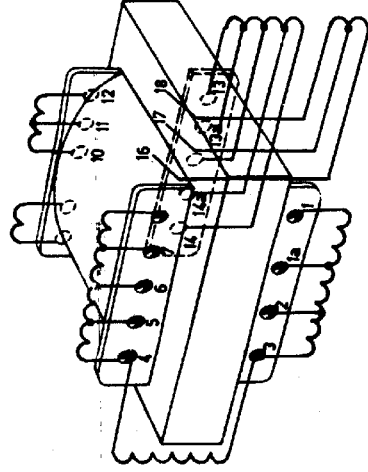


Fig.2



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| | | | | | | | | | | | | | | | | | | |
|---|---------|--------|-------------|---------|---------|-----|-----|-----|-----|----|------|---------|-----|-----|-----|----|-----|----|
| S | 28, 25, | 27, 26 | | | | | | | | B | | HD | E | | | | | |
| C | 35 | 41 | 38, 36, 44, | 39, | 48, | 40, | 42, | 37, | 46, | 8, | 43, | 25, | 13, | 12, | 47, | | | |
| R | 13 | 24 | 15, | 14, 19, | 20, 16, | 21 | 27 | 22 | 26 | 17 | 25a, | 25, 18, | 18, | 30, | 10, | 9, | 11, | 3, |

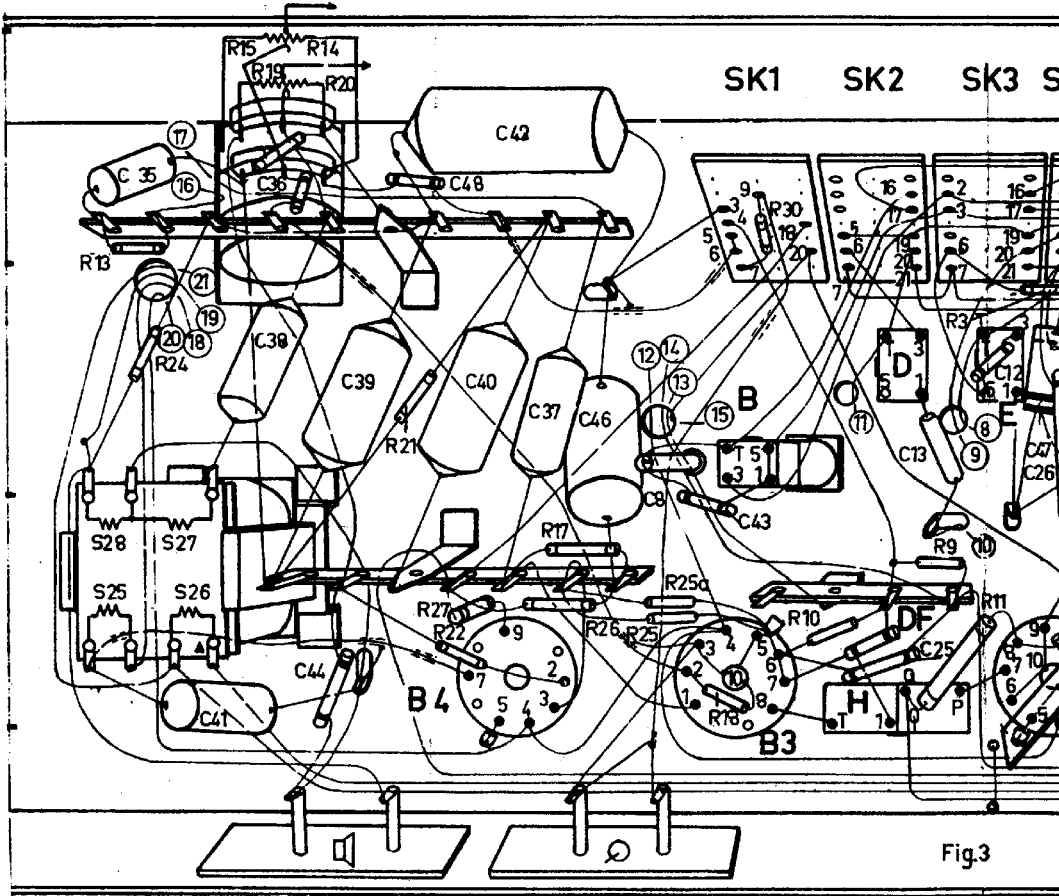
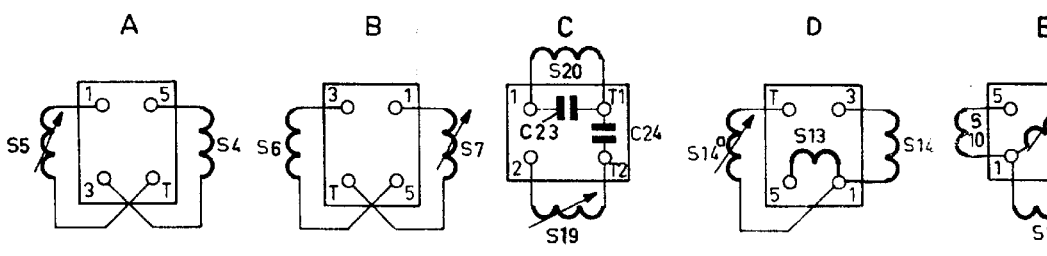
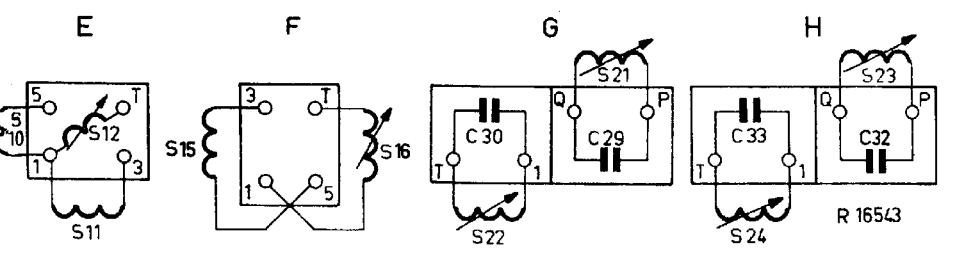
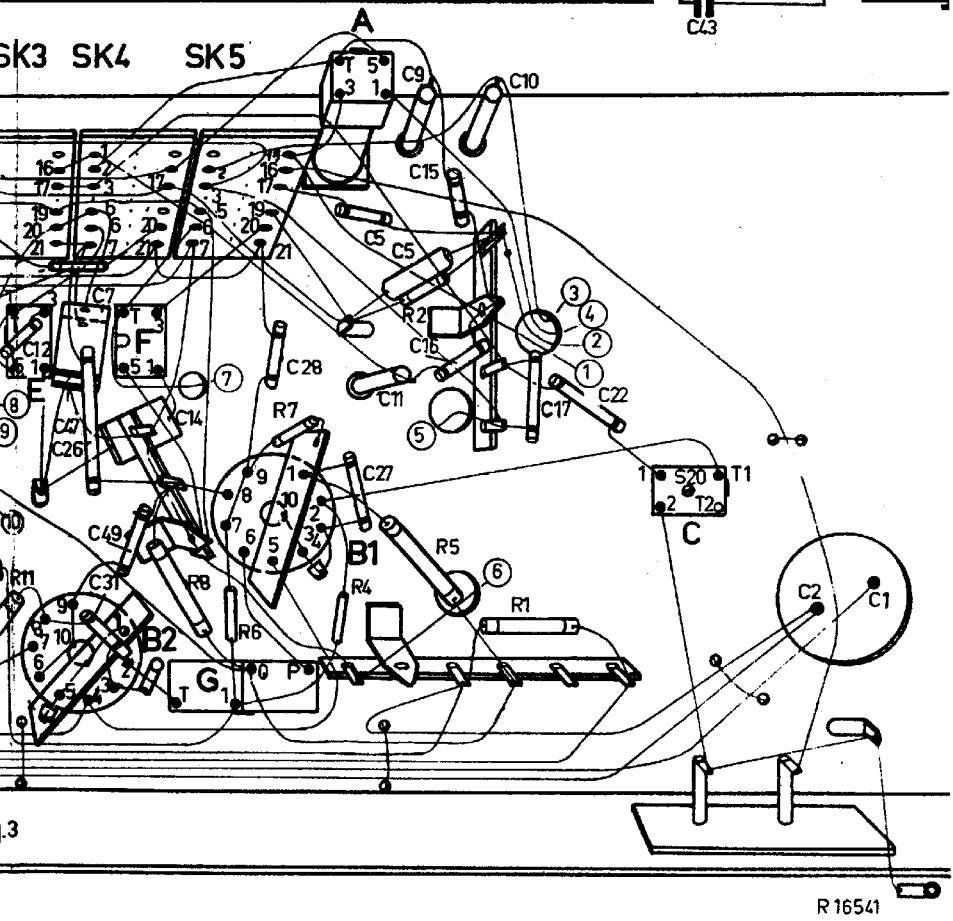
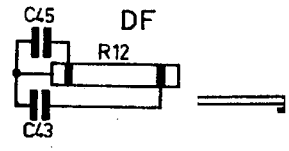


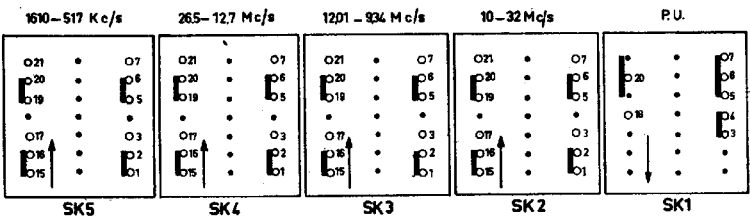
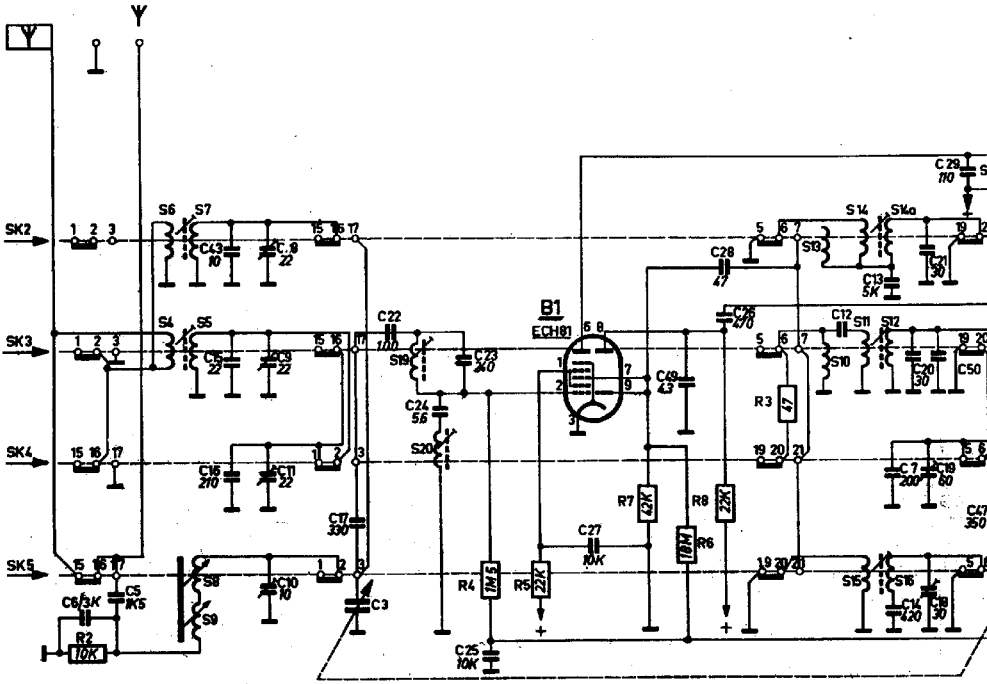
Fig.3



| | | | | |
|-----|----------------|-----|------------------------------|----------|
| E | F | G | A | C |
| 12. | 47.7.26.31.14. | 28. | 27. 5. 11.9. 6. 15.16.10.17. | 22. |
| 3. | 8. | 6. | 7. 5. 4. | 2. 5. 1. |



| | | | | |
|---|--------------------------------|-----------|--------|---------------------------------|
| S | 4, 5, 6, 7, 8, 9 | 19 | 20 | 10, 11, 13, 14, 14a, 15, 12, 16 |
| C | 43, 15, 5, 6, 16, 8, 9, 10, 11 | 3, 17, 22 | 23, 25 | 27, 26, 28, 49 |
| R | 2 | | 4, 5 | 7, 6, 8, 3 |



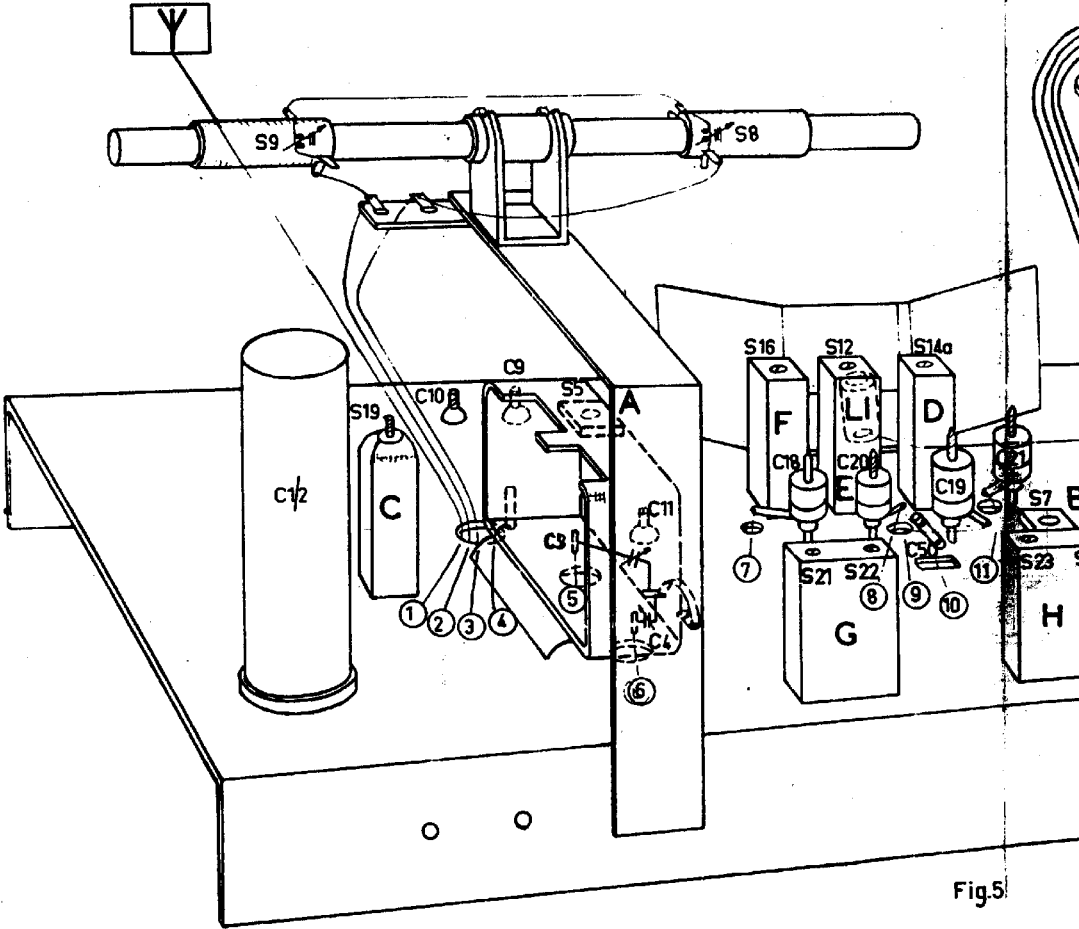


Fig. 5

