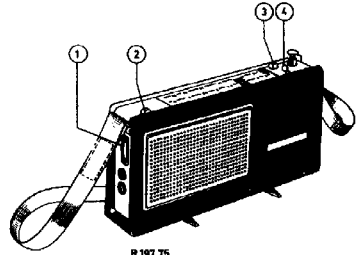


# PHILIPS *Service*

## RADIO

L2X00T/00L/00R/00W



R 197 75



### Controls

Volume control  
Tone control  
Battery switch  
Wave switch:  
S.W.  
M.W.  
L.W.  
Tuning

### Bediening

1 Volumeregelaar  
2 Toonregelaar  
3 Batterijschak.  
Golfwaaiereschak.:  
4a K.G.  
4b M.G.  
4c L.G.  
5 Afstemming

### Bedienung

Lautstärkeregl.  
Tonregler  
Batterieschalter  
Wellenbereichschalter:  
K.W.  
M.W.  
L.W.  
Abtimmung

### Commande

Contrôle de volume  
Contrôle de tonalité  
Comm. de batterie  
Comm. des gammes:  
O.C.  
P.O.  
G.O.  
Syntonisation

### Organos de mando

1 Control de volumen  
2 Regulador de tono  
3 Comm. de batería  
Comm. de márgenes:  
4a O.C.  
4b O.N.  
4c O.L.  
5 Sintonía

### Specification

Loudspeaker AD2216Z  
I.F. 452 Kc/s  
Battery 6 V (4x1,5V)  
Consumption 20 mA (0,1 W max.)  
Output 120 mW  
Dimensions 206x105x41 mm  
1 1 1  
8 8 8

### Specificatie

Luidspreker M.F.  
Batterij  
Verbruik  
Uitgangsverm.  
Afmetingen

### Spezifikation

Lautsprecher Z.F.  
Batterie  
Verbrauch  
Ausgangseleist.  
Abmessungen

### Specification

Haut-parleur M.F.  
Batterie  
Consommation  
Puissance  
Dimensions

### Specificación

AD2216Z  
452 Kc/s  
6 V (4x1,5V)  
20 mA (0,1 W max.)  
120 mW  
206x105x41 mm  
1 1 1  
8 8 8

### Especificación

Altavoz P.I.  
Batería  
Consumo  
Potencia de salida  
Dimensiones

### Wave ranges - Golfgebieden - Wellenbereiche - Gammes d'ondes - Margenes de ondas

S.W. - K.G. - K.W. - O.C. - O.C. : 19,4 - 51 m (15,5 - 5,9 Mc/s)  
M.W. - M.G. - M.W. - P.O. - O.N. : 185 - 580 m (1620 - 570 Kc/s)  
L.W. - L.G. - L.W. - G.O. - O.L. : 1150 - 2000 m ( 260 - 150 Kc/s)

### Transistors

Ts1 - OC 170  
Ts2 - OC 169  
Ts3 - OC 169  
Ts4 - OC 71  
Ts5 - OC71  
Ts67 - 2 - OC72  
GR12 - 2 - OA79

SERVICE INFORMATION

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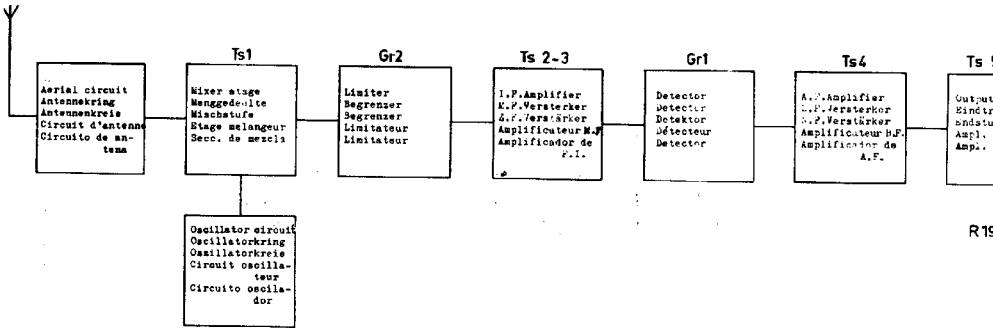
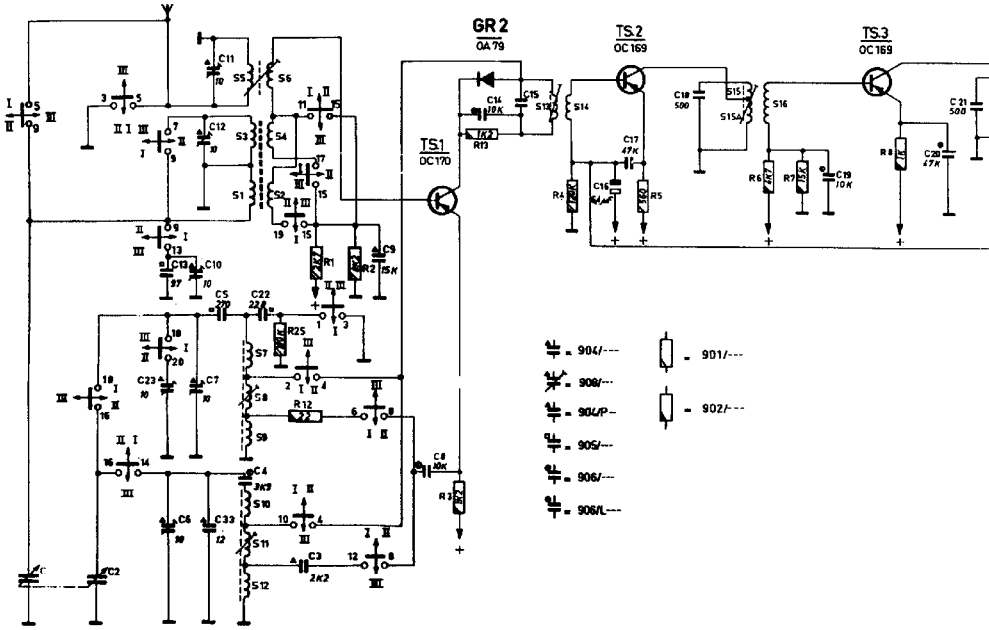
93 725 93.1.90

Wave range Golfgebiet Wellenbereich Gamme d'ondes Rangos de ondas	Varco	Signal	Adjust to max. output Afregelen op max uitgangsspanning Abgleichen auf max. Ausgangsspannung Régler au max. de sortie Ajustense al max. de salida
Sery-o-mecum E-s-1		452 Kc/s via 4K70-G-Ts3	S17-S18
	4b	min. 453,5 Kc/s via 33 KpF-S1	S15-S16
	4c	max. 450,5 Kc/s via 33 KpF-S1	S13-S14
	4b	min. 148 Kc/s	S7-S8-S9
4c	min. 1635 Kc/s	C7	
	min. 262 Kc/s	C23	
4c	Repeat - Herhalen - Wiederholen - Répéter - Repfitanse 158,5 Kc/s	158,5 Kc/s	S1
	250 Kc/s	250 Kc/s	C10
R.F. circuits H.F.-kringen H.F.-kreise Circuits H.F. Circuitos de R.F.	Repeat - Herhalen - Wiederholen - Répéter - Repfitanse 517 Kc/s	517 Kc/s	S2
	1635 Kc/s	1635 Kc/s	C12
	Repeat - Herhalen - Wiederholen - Répéter - Repfitanse 5,8 Mc/s	5,8 Mc/s	S10-S11-S12
4a	min. 15,6 Mc/s	15,6 Mc/s	C6
4a	Repeat - Herhalen - Wiederholen - Répéter - Repfitanse max. 5,8 Mc/s	5,8 Mc/s	S5
	15,2 Mc/s	15,2 Mc/s	C11
	Repeat - Herhalen - Wiederholen - Répéter - Repfitanse		

\*\*\* Via 4,7 pF - Y

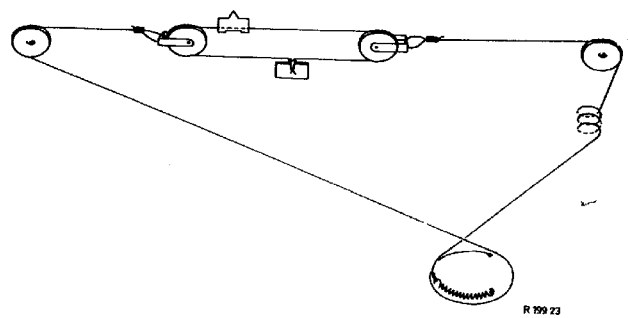
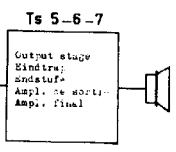
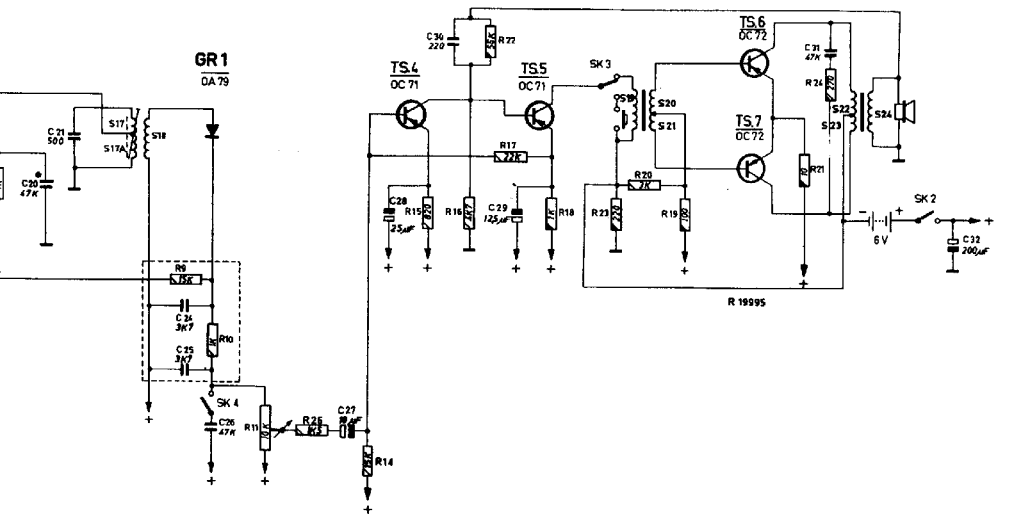
\*\*\* Via couple winding  
Koppelwicklung  
Kopplungwicklung  
enroulement de couple  
arrollamiento de acople

S	5, 3, 1, 7, 8, 9, 10, 11, 12, 6, 4, 2																		
C	1, 2	12, 22, 6,	10, 7, 12, 11, 23,	5, 4, 2, 2,	3	9	8,	14,	15,	13, 14,	16, 17,	18,	15, 15a, 16,	19,	20,	21,			
R					25,	12,	1,	2,	3,	13,	4,	5,	6,	7,	8,				



L2X00T

20	21	17, 17a, 18	24, 25, 26	27	28	30	29	19	20	21	22	23	24
			9, 10	11	26	14	15	16	22	17	18	23	20
												19	21
													24
													31
													21
													24
													27
													32



R 198 91

R 199 23

Mit den folgenden Ausnahmen sind die Ausführungen 02L-02R-02W, 62L-62R-62W und 65L-65R-65W gleich den Ausführungen 00L-00R-00W.

Verfallen:

Zwischenfrequenz		452 kc/s
Drehkondensator	C1-C2	A3 173 81
Stabantenne	S1-S2-S3-S4	A3 176 61
Kondensator	C12	908/65
Kondensator	C13	905/91E+6E2
Kondensator	C22	905/220E+8E2
Kondensator	C33	904/12E
Skala		A3 969 95

Hinzugefügt

Zwischenfrequenz	-02L-02R-02W	452 kc/s
	-62L-62R-62W	460 kc/s
	-65L-65R-65W	470 kc/s
Drehkondensator	C1-C2	490 02 54
Stabantenne	S1-S2-S3-S4	A3 277 95
Kondensator	C12	908/12E
Kondensator	C13	905/100E+8E2
Kondensator	C22	905/220E+12E
Kondensator	C33	904/15E
Skala		A3 971 83

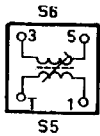
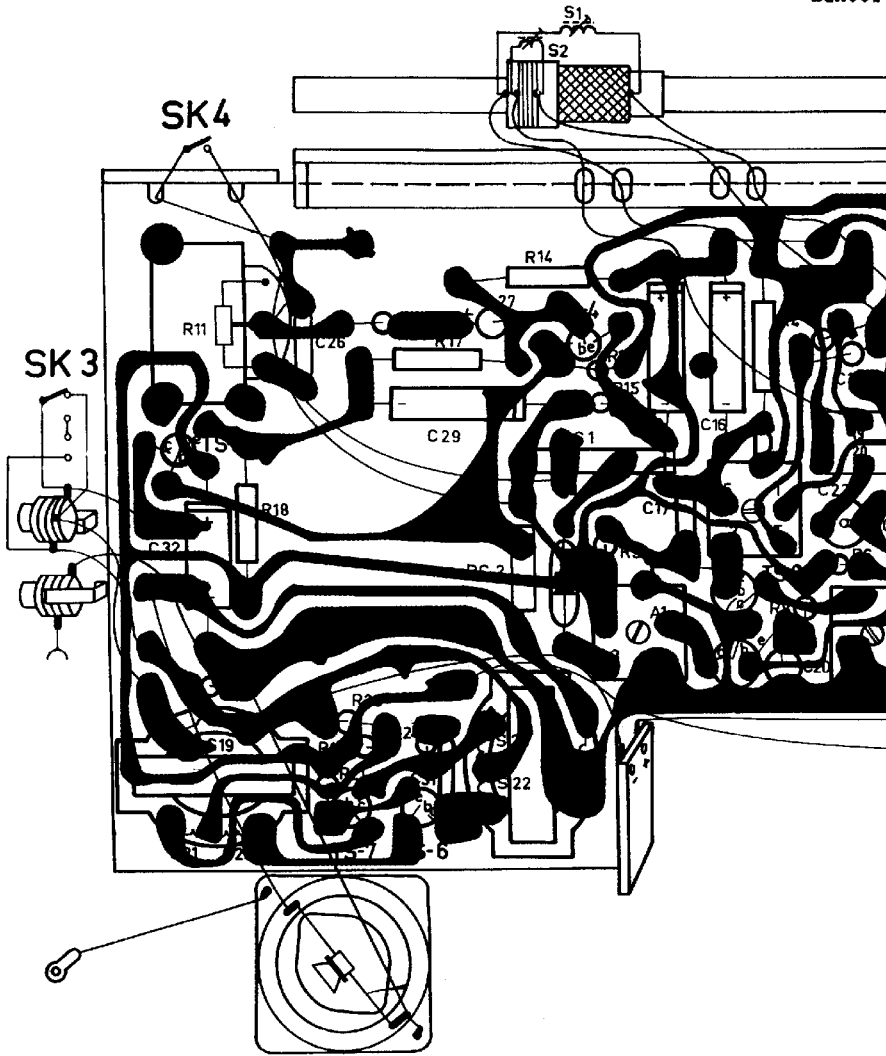
Salvo las excepciones siguientes, los modelos 02L-02R-02W, 62L-62R-62W y 65L-65R-65W son iguales a los modelos 00L-00R-00W.

Suprimidos

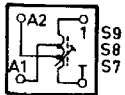
Frecuencia intermedia		452 kc/s
condensador variable	C1-C2	A3 173 81
antena de barra	S1-S2-S3-S4	A3 176 61
condensador	C12	908/65
condensador	C13	905/91E+6E2
condensador	C22	905/220E+8E2
condensador	C33	904/12E
Cuadrante		A3 969 95

Agregados

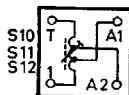
Frecuencia intermedia	-02L-02R-02W	452 kc/s
	-62L-62R-62W	460 kc/s
	-65L-65R-65W	470 kc/s
condensador variable	C1-C2	490 02 54
antena de barra	S1-S2-S3-S4	A3 277 95
condensador	C12	908/12E
condensador	C13	905/100E+8E2
condensador	C22	905/220E+12E
condensador	C33	904/15E
Cuadrante		A3 971 83



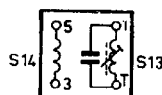
A



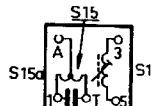
B



C

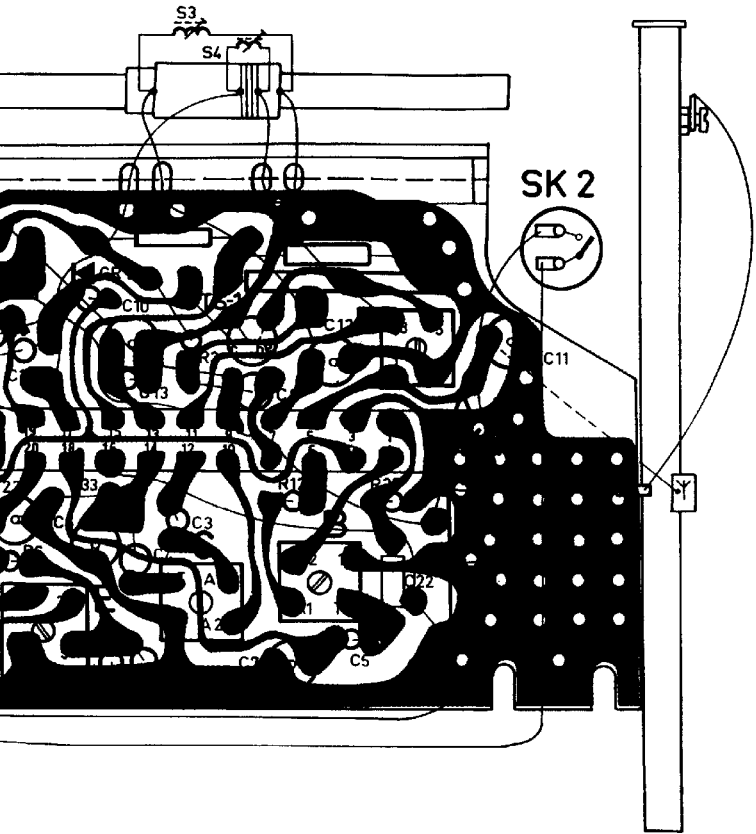


D

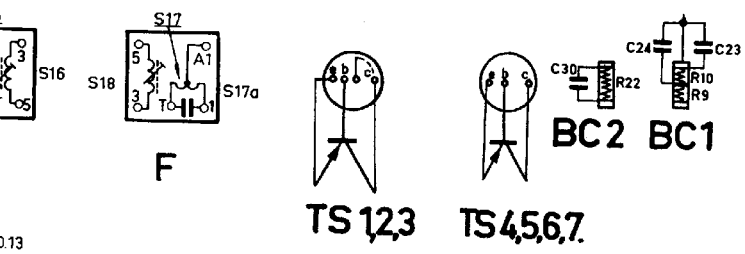


E

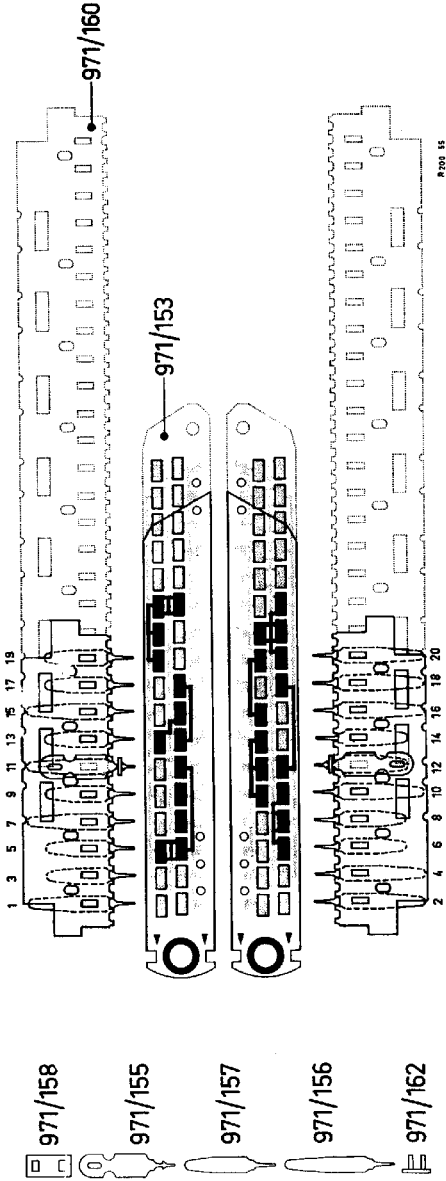
2X00T



R200.12



0.13







# PHILIPS *Service*

## RADIO

L2X00T/02L/02R/02W  
/62L/62R/62W  
/65L/65R/65W



With the following exceptions the versions 02L-02R-02W, 62L-62R-62W and 65L-65R-65W are identical to the versions 00L-00R-00W.

Delete:

Intermediate frequency		452 kc/s
Variable capacitor	C1-C2	A3 173 81
Rod aerial	S1-S2-S3-S4	A3 176 61
Capacitor	C12	908/6E
Capacitor	C13	905/91E+6E2
Capacitor	C22	905/220E+8E2
Capacitor	C33	904/12E
Dial		A3 969 95

Add:

Intermediate frequency	-02L-02R-02W	452 kc/s
	-62L-62R-62W	460 kc/s
	-65L-65R-65W	470 kc/s
Variable capacitor	C1-C2	490 02 54
Rod aerial	S1-S2-S3-S4	A3 277 95
Capacitor	C12	908/12E
Capacitor	C13	905/100E+8E2
Capacitor	C22	905/220E+12E
Capacitor	C33	904/15E
Dial		A3 971 83

Met de volgende uitzonderingen zijn de uitvoeringen 02L-02R-02W, 62L-62R-62W en 65L-65R-65W gelijk aan de 00L-00R-00W uitvoeringen.

Afvoeren

Middenfrequentie		452 kc/s
variabele condensator	C1-C2	A3 173 81
Staaftenne	S1-S2-S3-S4	A3 176 61
Condensator	C12	908/6E
Condensator	C13	905/91E+6E2
Condensator	C22	905/220E+8E2
Condensator	C33	904/12E
Schaal		A3 969 95

Toevoegen

Middenfrequentie	-02L-02R-02W	452 kc/s
	-62L-62R-62W	460 kc/s
	-65L-65R-65W	470 kc/s
Variable condensator	C1-C2	490 02 54
Staaftenne	S1-S2-S3-S4	A3 277 95
Condensator	C12	908/12E
Condensator	C13	905/100E+8E2
Condensator	C22	905/220E+12E
Condensator	C33	904/15E
Schaal		A3 971 83

Sauf les exceptions suivantes les exécutions 02L-02R-02W, 62L-62R-62W et 65L-65R-65W sont identiques aux exécutions 00L-00R-00W.

Supprimer

Moyenne fréquence		452 kc/s
Condensateur variable	C1-C2	A3 173 81
Antenne en bâton	S1-S2-S3-S4	A3 176 61
Condensateur	C12	908/6E
Condensateur	C13	905/91E+6E2
Condensateur	C22	905/220E+8E2
Condensateur	C33	904/12E
Cadran		A3 969 95

Ajouter

Moyenne fréquence	-02L-02R-02W	452 kc/s
	-62L-62R-62W	460 kc/s
	-65L-65R-65W	470 kc/s
Condensateur variable	C1-C2	490 02 54
Antenne en bâton	S1-S2-S3-S4	A3 277 95
Condensateur	C12	908/12E
Condensateur	C13	905/100E+8E2
Condensateur	C22	905/220E+12E
Condensateur	C33	904/15E
Cadran		A3 971 83

SERVICE INFORMATION																			
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# PHILIPS

# Model L2X00T

**General Description:** Seven-transistor (plus two crystal diodes), three-waveband portable receiver with provision for earphone listening and telescopic aerial to improve short-wave reception. Known also as **Model 200T**.

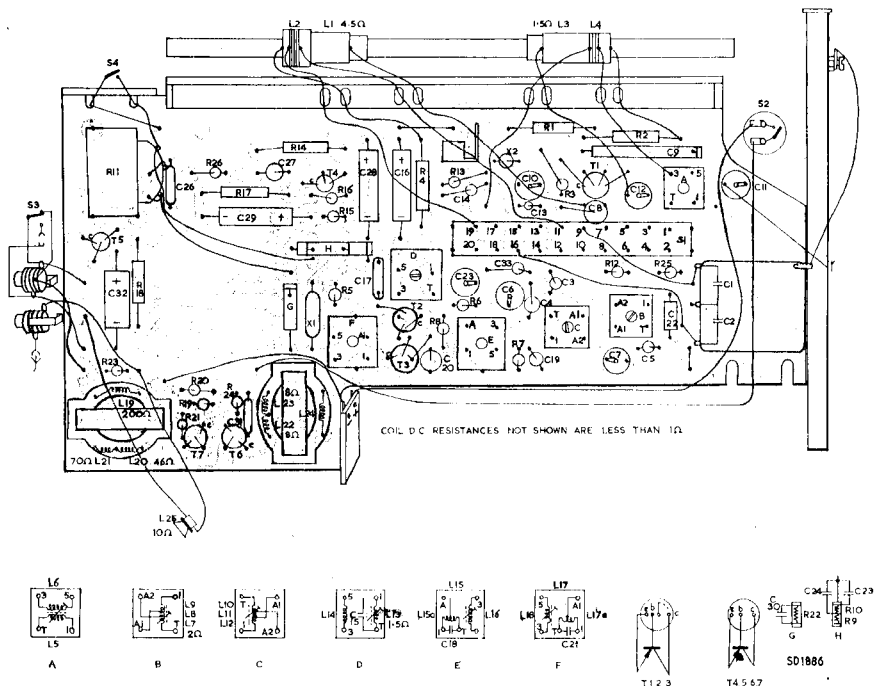
**Power Supply:** Four 1.5-volt cells (D14, U12, V0030 or V0028). Consumption 20 mA. for 100 mW. output.

**Transistors:** (T1) AF116 (or OC170); (T2) AF117 (or OC169); (T3) AF117 (or OC169); (T4) OC71; (T5) OC71; (T6, T7) matched OC72. **Diodes:** (X1) OA79 (detector); (X2) OA79 (mixing diode).

**Wavebands:** M.W. 185-580 m.; L.W. 1150-2000 m.; S.W. 19.4-51 m.

**I.F. and Trimming Frequencies:** I.F. 452 kc/s. (L17/18), 453.5 kc/s. (L15/16), 450.5 kc/s. (L13/14). L.W. 148 kc/s. (L7/8/9), 158.5 kc/s. (L1), 250 kc/s. (C10), 262 kc/s. (C23). M.W. 1635 kc/s. (C7, C12), 517 kc/s. (L3). S.W. 5.8 Mc/s. (L10/11/12, L5/6), 15.2 Mc/s. (C11), 15.6 Mc/s. (C6).

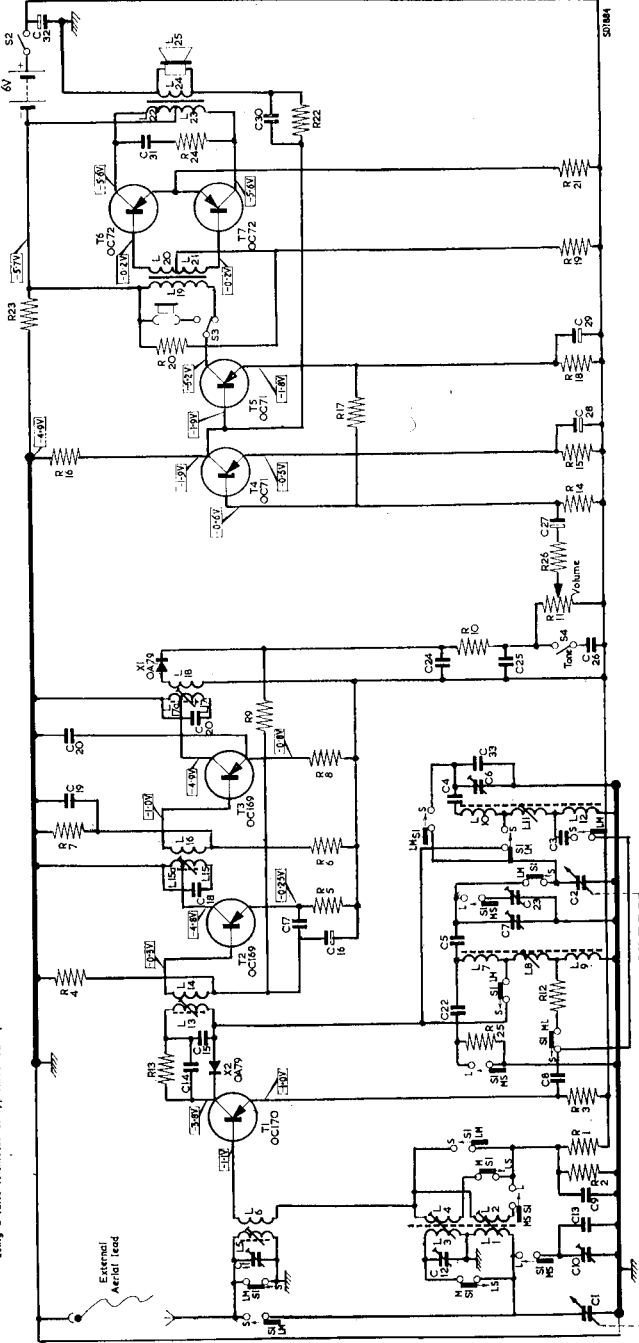
**Notes:** Headphone type AF9001/11. A counterpoise earth lead is supplied to overcome effect of hand capacitance; this lead should be plugged



COMPONENT LAY-OUT AND CONNECTIONS

L	5.31	6.42	13	14	78.9	15	15.6	16	13	11	12	17	17.6	18
C	1	11.2	10.13	9	2	1	3	13	25	12	4	5	6	7
R	1	11.2	10.13	9	2	1	3	13	25	12	4	5	6	7
L	22	23	24	25	19	20	21	22	23	24	25	26	27	28
C	3	30	31	32	18	19	20	21	22	23	24	25	26	27
R	2	21	22	23	17	18	19	20	21	22	23	24	25	26

CIRCUIT DRAWN IN THE MAIN RESISTORS, ALL COMPONENTS MATCH WITH RESPECT TO TOLERANCE, USE A WAVE METER OF APPROX. 100KΩ IMPEDANCE.



CIRCUIT DIAGRAM—PHILIPS MODEL L2X00T

- Capacitors.**
- C3 2,200 pF.
  - C4 3,900 pF.
  - C5 270 pF. (1%)
  - C6 10 pF.
  - C7 10 pF.
  - C8 10,000 pF.
  - C9 13,000 pF.
  - C10 10 pF.
  - C11 10 pF.
  - C12 10 pF.
  - C13 108 pF. (±%)
  - C14 10,000 pF.
  - C16 6.4 (E.I.).
  - C17 47,000 pF.
  - C19 40,000 pF.
  - C20 47,000 pF.
  - C22 47,000 pF. (±%)
  - C23 232 pF. (±%)
  - C24 10 pF.
  - C25 3,700 pF.
  - C26 3,700 pF.
  - C27 47,000 pF.
  - C28 10 (E.I.).
  - C29 25 (E.I.).
  - C30 10,000 pF.
  - C31 6.4 (E.I.).
  - C32 47,000 pF.
  - C33 15 pF.
- Resistors.**
- R1 2.7k
  - R2 8.2k
  - R3 1.2k
  - R4 120k
  - R5 12.5 (E.I.).
  - R6 220 pF.
  - R7 47,000 pF.
  - R8 200 (E.I.).
  - R9 15 pF.
  - R10 10k (log.).
  - R11 22
  - R12 1.2k
  - R13 15k (5%)
  - R14 820 (5%)
  - R15 1.2k
  - R16 4.7k (5%)
  - R17 22k (5%)
  - R18 1k
  - R19 100 (5%)
  - R20 3k (5%)
  - R21 10
  - R22 56k
  - R23 220
  - R24 1.2k
  - R25 180k
  - R26 1.5k
  - R27 15k (5%)
  - R28 15k (5%)
  - R29 15k (5%)
  - R30 15k (5%)
  - R31 15k (5%)
  - R32 15k (5%)
  - R33 15k (5%)
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  - R93 15k (5%)
  - R94 15k (5%)
  - R95 15k (5%)
  - R96 15k (5%)
  - R97 15k (5%)
  - R98 15k (5%)
  - R99 15k (5%)
  - R100 15k (5%)

into socket below headphone socket and will improve reception on all wavebands.

**Dismantling:** *To separate cabinet.* Place receiver face downwards on soft cloth. Remove two screws at back of receiver. Unscrew wavechange knob, remove two screws above tuning knob and two screws above volume control. Battery compartment flap may now be removed and front section of cabinet lifted away. When recasing it is important to ensure that locating lugs and sockets on their respective mouldings interlock correctly. *To remove chassis.* Unsolder following leads: battery negative, speaker, S4, two sockets, telescopic aerial, panel end of red lead to S2. After removing two screws (one below gang, other above volume control) chassis may be lifted clear.