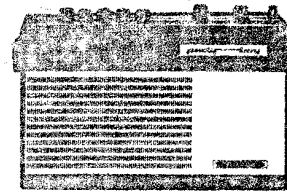


GRUNDIG

Service Manual

**PARTY BOY 207 & 208**

Please address all Technical Correspondence on Grundig Equipment to:—

THE TECHNICAL DEPARTMENT, GRUNDIG (GREAT BRITAIN) LTD.

Newlands Park, Sydenham, London, S.E.26 - Telephone: 01-778 2211

ALIGNMENT INSTRUCTIONS**CHASSIS REMOVAL**

1. Loosen battery cover.
2. Loosen two screws on cabinet base.
3. Remove chassis carefully.

D.C. ALIGNMENT.

D.C. Adjustments to be carried out with a battery voltage of 7.5 V.

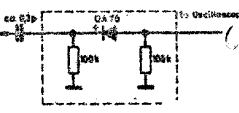
QUIESCENT CURRENT OF OUTPUT TRANSISTORS.

Volume control to min. and M W button depressed.
Open link at point X and connect a milliammeter in series. Adjust R 45 (500 Ω) for 8.5 mA.
Re-connect link.

SETTING UP IF AMPLIFIERS.

Connect a DC valve voltmeter in parallel with R 24 and adjust R 22 for 1.4 V.

F M - I F ALIGNMENT 10.7 MHz.

ALIGNMENT SEQUENCE	CONNECT MODULATOR TO	CONNECTION OF OSCILLOSCOPE	ALIGNMENT POINT
I F III	Hot end of base of BF 184 IV. IF II Point 8.	Loose capacity coupling via crocodile clip and diode to IF III point 4 (MP) 	(b) detuned (a) max and symmetrical
I F II	IF I Point II		(c) and (d) max. and symmetrical
I F I	IF I Point 7		(e) max and symmetrical
I F I and MIXER	Loose to MIXER		(f), (g), (h) max and symmetrical
Discriminator and AM Rejection	IF II Point 8	Via 50 k Ω cable to AF Output.	(b) Max. linearity at ± 75 k Hz deviation. Adjust R 3 for best AM - Rejection at 50-70 mV. Output signal to base of BF 184.
	Loose to MIXER	Contact b 7	If necessary re-align (b).

A M I F ALIGNMENT 460 k Hz

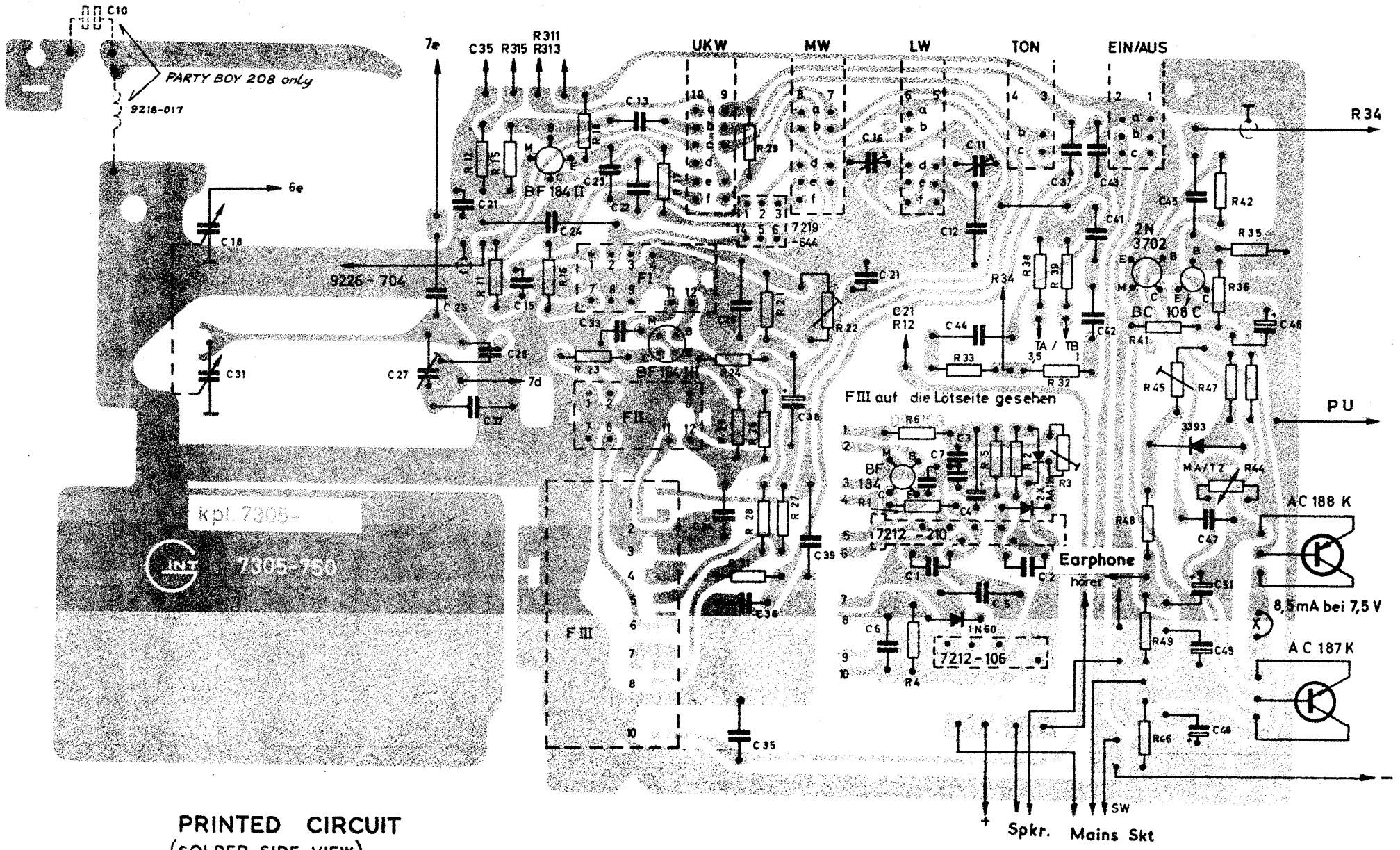
ALIGNMENT SEQUENCE	CONNECT MODULATOR TO	CONNECTION OF OSCILLOSCOPE	ALIGNMENT POINT
I F III	IF II Point 8	Test - prod to measuring point. (M P)	(I) max and symmetrical
I F II	IF I Point II		(II) and (III) max and symmetr.
I F I	MW - Aerial, contact e 6.		(IV) and (V) max and symmetrical

M W OSCILLATOR AND AERIAL ALIGNMENT

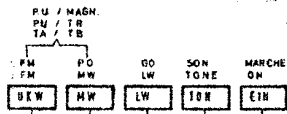
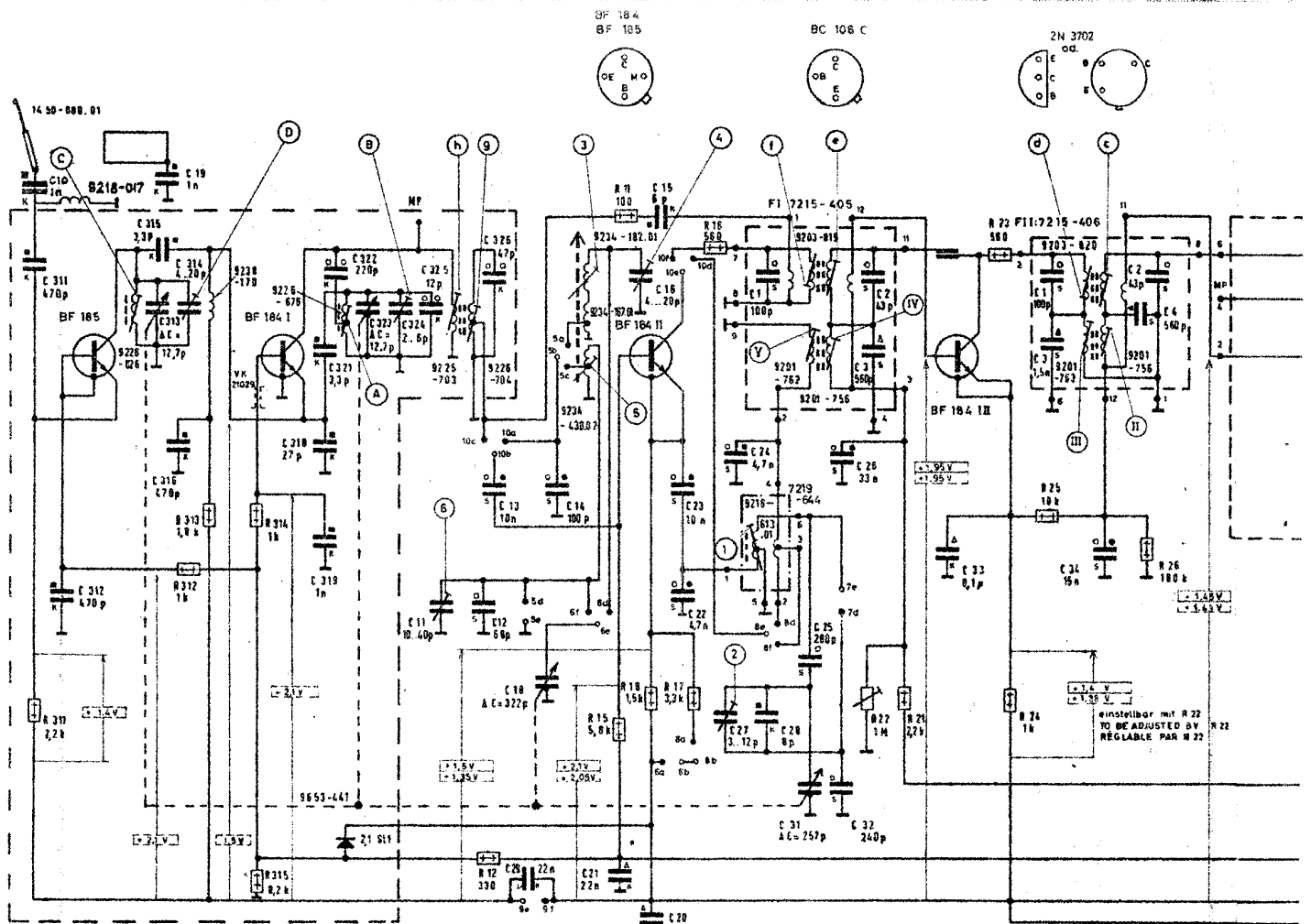
POINTER AND GENERATOR SETTING		OSCILLATOR	AERIAL	INPUT SENSITIVITY	OSCILLATOR VOLTAGE	REMARKS
M W	560 k Hz	(1) Max	(3) Max	15 uV	90 - 120 m V	For L W and M W align - ment feed the signal via loop to ferrite aerial at 9 V supply.
	1450 k Hz	(2) Max	(4) Max	10 uV		
L W	160 k Hz	-	(5) Max	20 uV	90 - 120 m V	
	240 k Hz	-	(6) Max	15 uV		

F M - OSCILLATOR AND AERIAL ALIGNMENT

POINTER AND GENERATOR SETTING	OSCILLATOR	AERIAL	OSCILLATOR VOLT. EMITTER BF 184	REMARKS
83 M Hz	(A) Max	(C) Max	80 - 60 mV	Connect generator via 60 uF resistor direct to telescopic aerial.
105 M Hz	(B) Max	(D) Max		



PRINTED CIRCUIT
(SOLDER SIDE VIEW)



Schalt-
richtung
SWITCHING DIRECTION
SENS DE COMMUTATION

UKW - Mischteil
FM - MIXER
FM - MELANGEUR } 7434 - 046

AM-Spulenatz
AM-COIL SET
BLOC BOBINAGE AM } 7219 - 644

Wellenbereiche
WAVE BANDS
GAMMES D'ONDES

MW, P.O.	510	1620 kHz
UKW FM	87	108 MHz
LW GO	145	260 kHz

Ferritstabantenne spf
FERRITE ROD
BATONNET-FERRITE COMPL. } 7701 - 366

Spannungen mit Grundig Röhrenvoltmeter
auf den Meßbereichen 0,73/ 1V bei 7,5V-
Batteriespannung gemessen.
Spannungs- und Stromwerte gültig bei
eingedrehtem Drehko ohne Signal

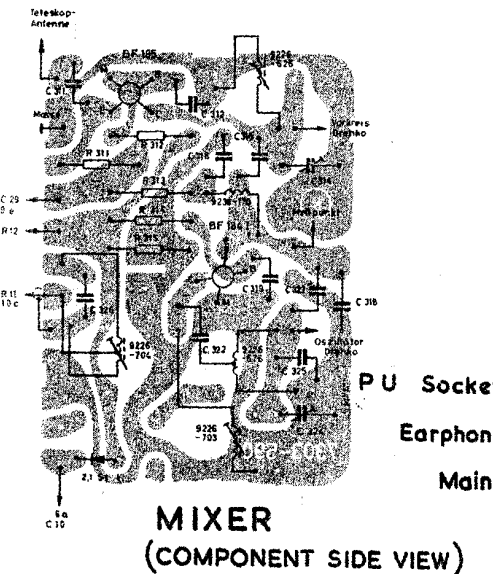
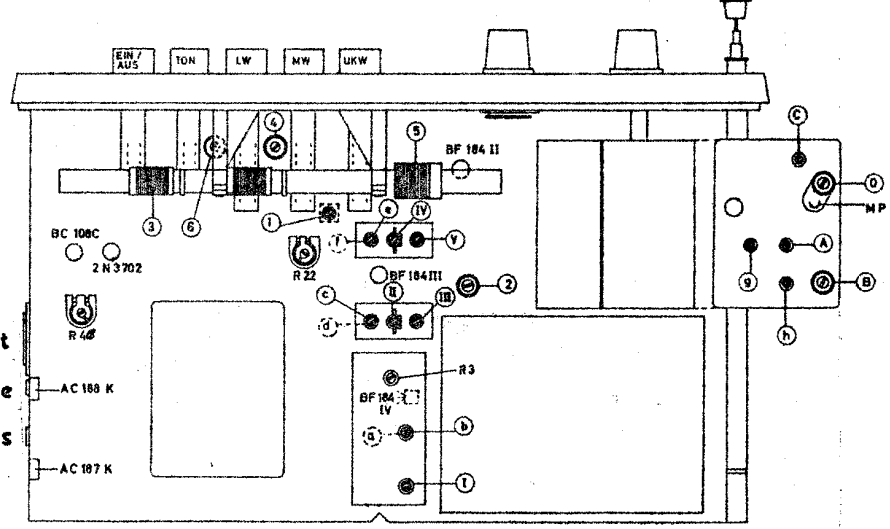
MW UKW

Änderungen vorbehalten

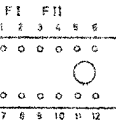
RIGHT FOR ALTERATIONS RESERVED

C	311, 312, 315, W, 313, 314, 316, 318, 319, 321, 322, 323, 324, 11, 325, 12, 13, 326, 10, 14, 21, 20, 22, 23, 15, 16, 27, 24, 29, 31, 25, 32, 26, 23, 34, 35	FIG. 1, 2, 3,	FIG. C, 1, 3, 2, 4,	FIG. C, 1, 2, 3, 4,
R	311, 312, 313, 314, 315, 17, 15, 11, 18, 12, 16, 22, 21, 23, 24, 25, 26, 28			

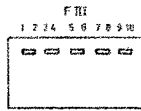
ALIGNMENT POINTS



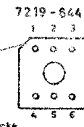
AC 187 K
AC 188 K



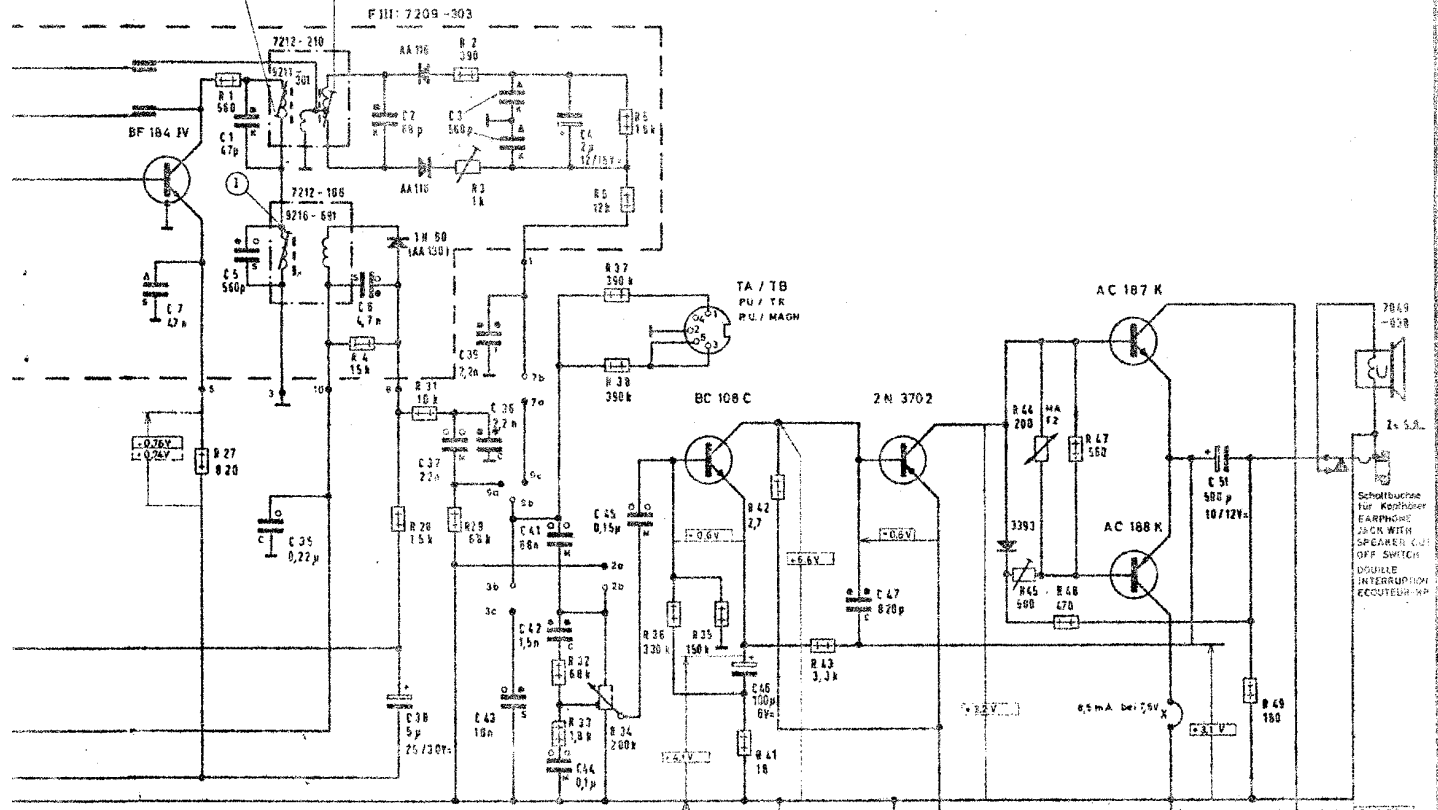
FERRITE IDENTIFICATION POINT
TPOU-REPÈRE



Ansicht von unten
BOTTOM VIEW
VUE DE DESSOUS



FERRITE MARKING CORNER
POINT DE REPÈRE



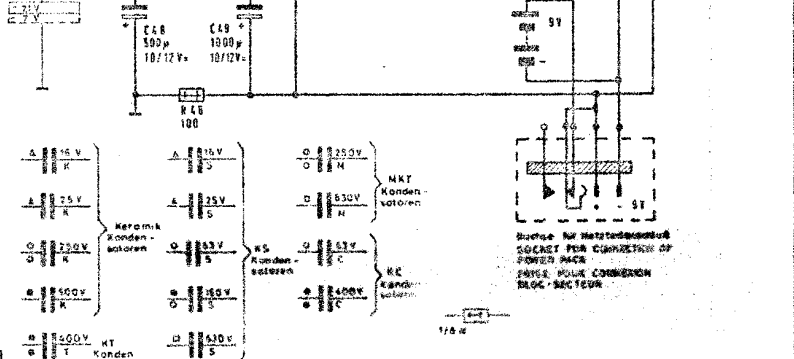
VOLTAGES MEASURED WITH GRUNDIG VTM AT 7.5V=
MEASURING VALUES VALID WITHOUT SIGNAL TUNING
CONDENSER TURNED IN



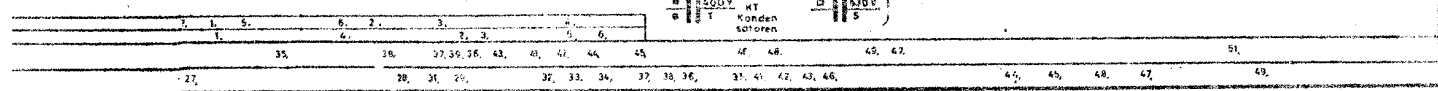
TENSIONS DE SERVICE MESUREES A CHASSIS AVEC
GRUNDIG VOLTMETRE A LAMPE UNIVERSELLE A 7.5 V=
VALEURS SONT VALABLES SANS SIGNAL CONDENSATEUR
VARIABLE FERME



MODIFICATIONS RÉSERVÉES

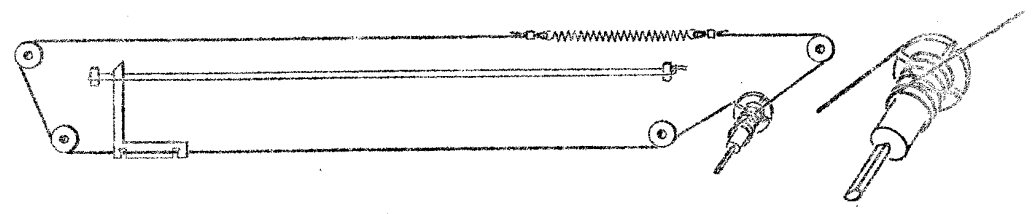


Socket for Metal-oxide
SOCKET FOR CONNECTION OF
POWER PACK
FAVRE POLY CONDENSER
BLOC-SEC 1500



Party-Boy 207 (14-1494-8141)
Party-Boy 208 14-1494-8141

DRIVE ASSY.
605mm (23 7/8) approx



NOTES

Please note that the Party Boy 208 differs from the 207 in the following points:-

- (1) On the Party Boy 208 a 1000pF condenser (C10) and a coil (9218-017) are wired into the telescopic serial circuit - these are shown as dotted in items on the printed circuit panel drawing.
- (2) Two of the transistors have been changed as follows:-
 - T3 replaced by BF185 and not BF184 as shown on the circuit.
 - T5 replaced by BF185 and not BF184 as shown on the circuit.