

GRUNDIG

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Repair Manual

97 WE I
97 WE II
97 BE I

Ned. Ver. v. I

IF-Alignment 460 kc

Wave Range, Variable Capacitor setting	Coupling of Signal Generator	Alignment	Sensitivity	Remarks
SW, turned in	G ₁ EF 89 - G ₁ DF 91	I and II maximum	WE I 700 μ V WE II 700 μ V BE I 3 mV	During alignment damp alternately with 5 nF + 10 k Ω in series. IF-Bandwidth: WE I/BE I 4.5 kc WE II 4.3 kc IF-Selectivity: WE I 1:140 WE II 1:130 BE I 1:70
	G ₁ ECH 81 - G ₃ DK 92	III and IV maximum	WE I 12 μ V WE II 12 μ V BE I 80 μ V	
MW, turned in	to aerial	V minimum		Locking depth } WE I/WE II 1:30 BE I 1:20
1 Mc	G ₁ ECH 81 - G ₃ DK 92		WE I 15 μ V WE II 12-22 μ V BE I 90 μ V	Mixing sensitivity



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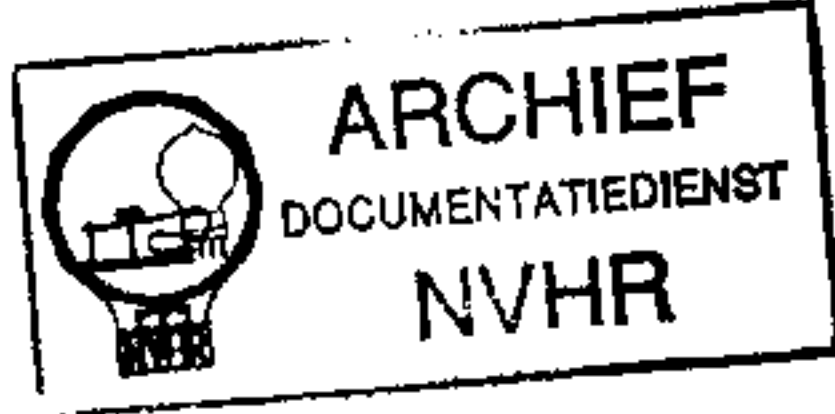
Oscillator and Input Circuit Alignment (dummy aerial to aerial and ground sockets)

Wave Range, Frequency, Pointer setting	Oscillator	Input Circuit	Oscillating Current μ A	Sensitivity μ V	Image Suppression	Remarks	
97 WE I/97 BE I							
SW II	11 Mc	1 maximum	Inner 2 maximum	WE I 230-380-200 BE I 120-200	24-18 240-120	1:6-1:4	Volume control opened $f_i < f_o$
	21 Mc		4 maximum			1:4-1:3.5	
SW I	3.7 Mc	3 maximum	inner 6 maximum	WE I 230-330-260 BE I 140-230	40-45 10-11	1:8-1:8	
	8.5 Mc		8 maximum			1:25-1:10	
MW	560 kc	5 maximum	inner 10 maximum	WE I 280-420 BE I 160-170	6-6.5 27-35	1:240-1:100	
	1450 kc	7 maximum	12 maximum			1:250-1:100	
97 WE II							
SW II	11 Mc	1 maximum	2 maximum	230-380-200	22-23	1:11-1:5	The aligning is to be done in such sequence that the aligning frequencies appear at the given positions on the dial scale. Repeat aligning a few times and end with trimmer.
	21 Mc		4 maximum				
SW I	3.7 Mc	3 maximum	inner 6 maximum	230-330-260	8-11	1:44-1:32	
	8.5 Mc		8 maximum				
MW	560 kc	5 maximum	inner 10 maximum	280-420	6-9	1:480-1:360	
	1450 kc	7 maximum	12 maximum				
LW	160 kc	9 maximum	14 maximum	260-380-360	7-8	1:650-1:350	
	350 kc	11 maximum					

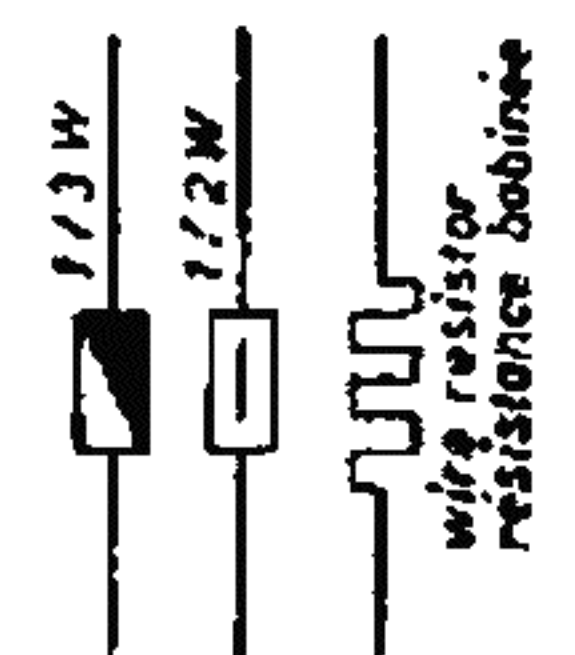
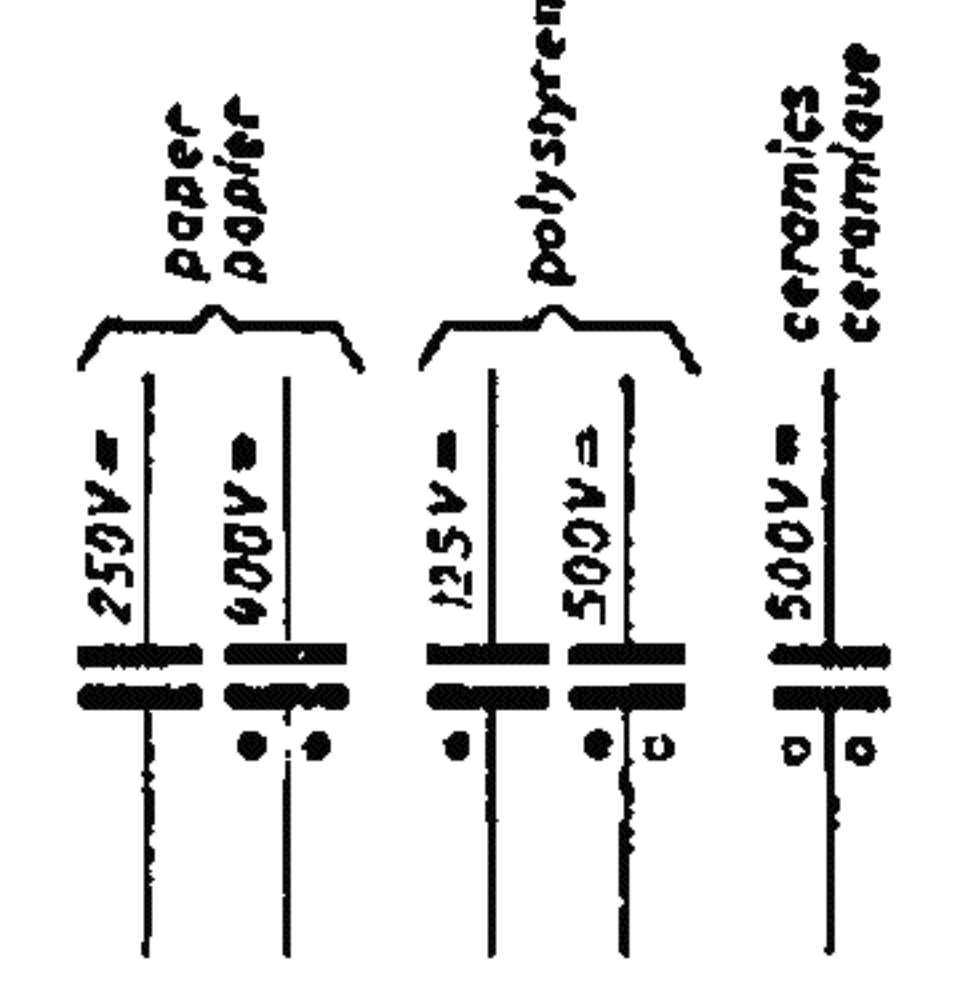
Hum: WE I: control closed 2 mV; control opened 3 mV. WE II: control closed 1.7 mV; control opened 3 mV.

DIAGRAM FOR MODEL 97 BE I

Ned. Ver. v. Historie v/d Radio



7044-001/002
Impedance 2,3Ω



wave ranges:
gammes d'ondes:
MW, DM 510...1620kc
SW, DCI 325...36Mc
SWII, DCII 9,4...23Mc

AM-coil set: 7474-002
AM-bloc bobinage 7474-002
IF=460 kc

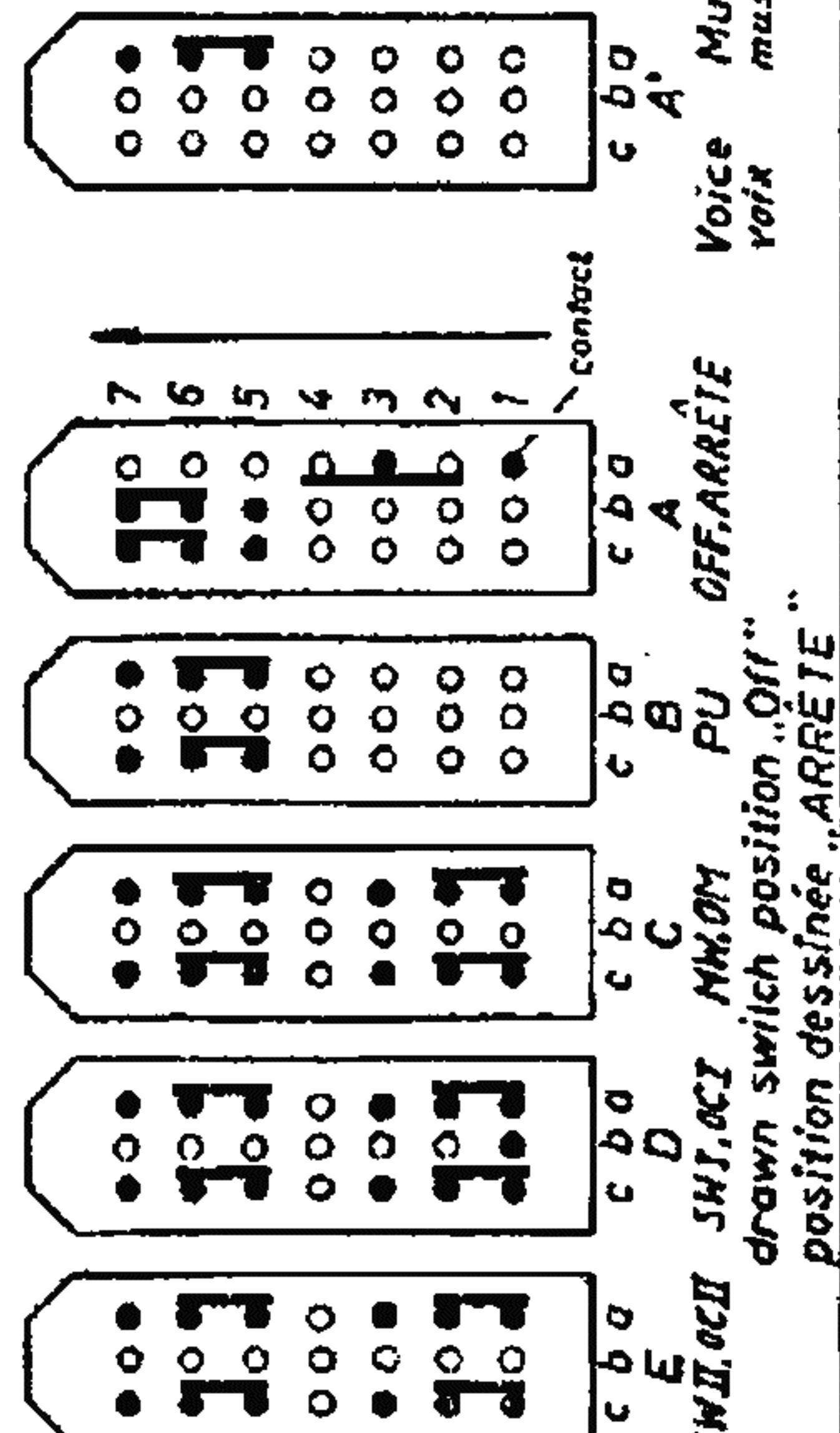
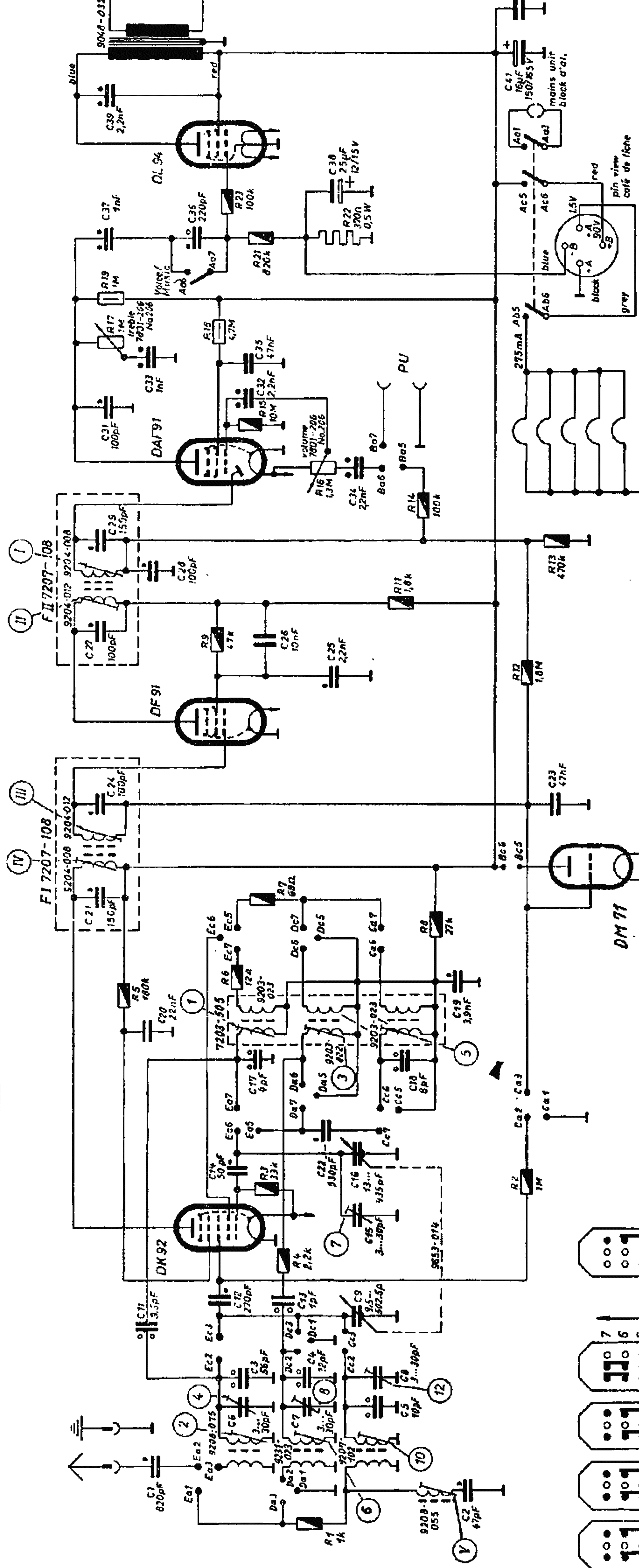
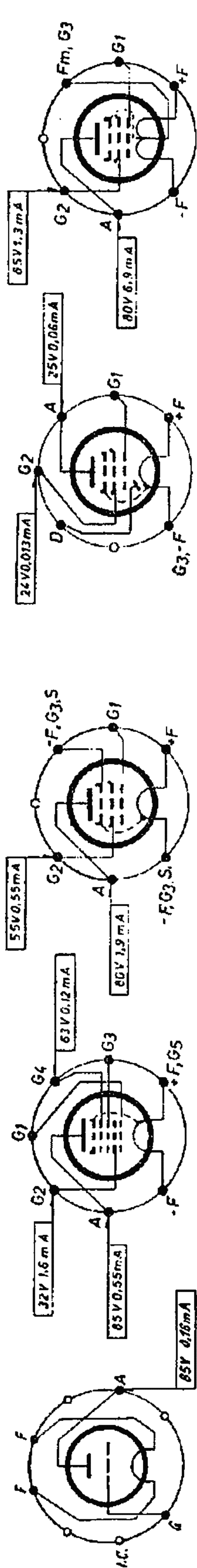
Tensions de service mesurées
à chassis avec GRUNDIG volt-
mètre à lampe universelle à 85V=
Les tensions de ser-
vice sont valables pour DM
condensateur variable ferme sans
signal à l'antenne

Voltages measured to chassis
with GRUNDIG-VTM at 85V=
Measuring values
valid for DM tuning conden-
ser turned in without signal
on aerial.

Alterations reserved

Alterations reserved

Alterations reserved



SWII, DCII SWI, DCI MW, DM PU OFF, ARRETE Voice Music
position des sésines „ARRETE”
position des sésines „ARRETE”
position des sésines „ARRETE”

BOTTOM VIEW OF CHASSIS FOR MODEL 97 BE I

