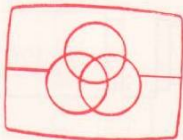


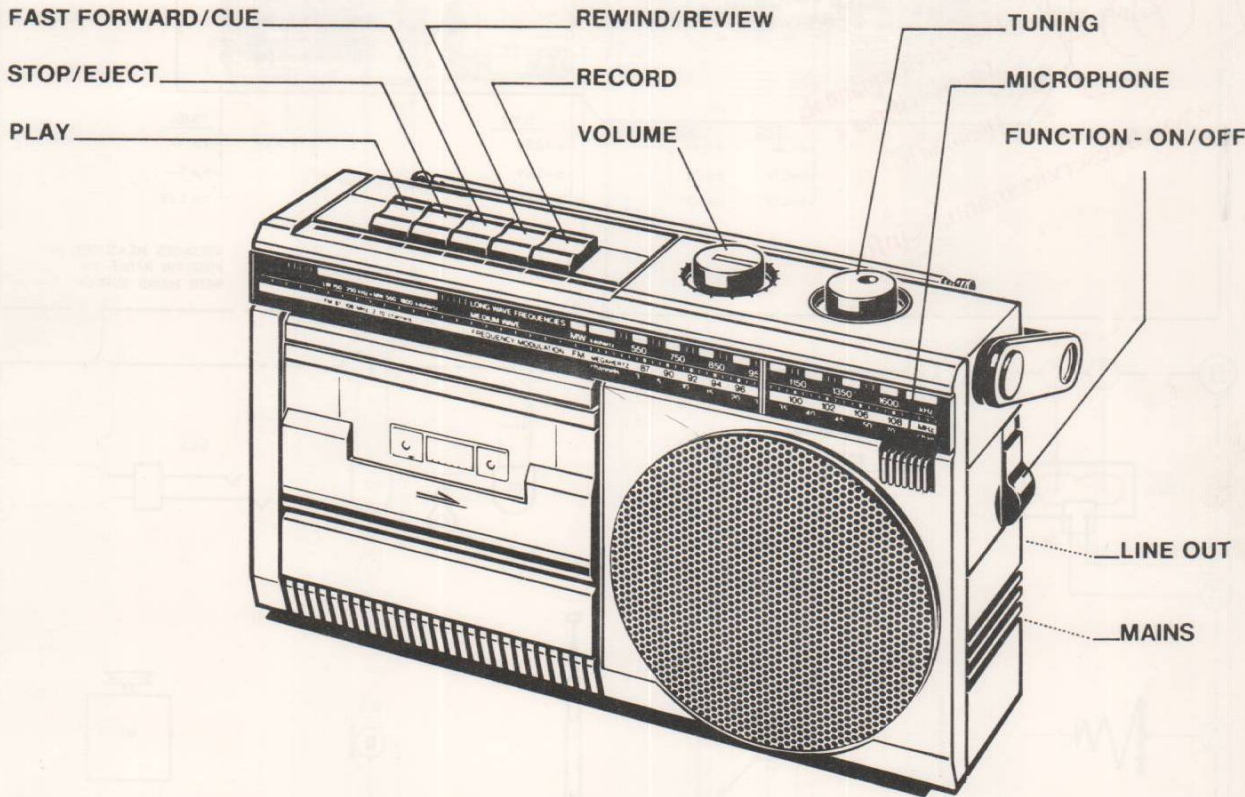
Radio recorder D7030/00
D7032/00/05



Free service manuals
Gratis schema's
Digitized by
www.freeservicemanuals.info

For repair information of the cassette mechanism see
Service Manual of "Recorders tape deck RT-1 and RT-8".

Service Manual



31 775A12

SPECIFICATIONS

	7.5 V (5x R20)	Frequency range (within 8 dB)	250 - 6300 Hz
	/00 220 V 50 Hz /05 240 V 50 Hz	IF-AM	468 kHz
	800 mW d ≤ 10% 1000 mW ± 1 dB	IF-FM	10.7 MHz
		MW	520 - 1605 kHz
		LW**	150 - 255 kHz
		FM	87.5 - 108 MHz
			4 - 8 Ω BU-1
Tape speed	4.76 cm/sec. ± 3%		
Wow and flutter	≤ 0.35%		

** Only for D7032

Adjustment	Cassette	Recorder in position	Apply signal to	Measure on	Read on	Adjust with	Adjust to
Play back speed	3150 Hz of SBC133	PLAY	—	BU-1	Wow- and flutter meter	Preset in motor	*a
Azimuth R/P head	8 kHz of SBC133	PLAY	—	BU-1	mV-meter	Left screw R/PB head	Max. output

*a The maximum permissible speed deviation is 2%.
Moreover, the wow-and-flutter value can be read.
This value should not exceed 0.35%.

GB

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified, be used.

NL

Veiligheidsbepalingen vereisen, dat het apparaat bij reparatie in zijn oorspronkelijke toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde, worden toegepast.

F

Les normes de sécurité exigent que l'appareil soit remis à l'état d'origine et que soient utilisées les pièces de rechange identiques à celles spécifiées.

D

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand des Geräts darf nicht verändert werden; für Reparaturen sind Original-Ersatzteile zu verwenden.

I

Le norme di sicurezza esigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati i pezzi di ricambio identici a quelli specificati.



"Pour votre sécurité, ces documents
doivent être utilisés par des spécia-
listes agréés, seuls habilités à réparer
votre appareil en panne".

Subject to modification
4822 725 15259
Printed in The Netherlands

PHILIPS

SK-1						
MW	468 kHz*		Min Cap	S211 S208 S206		Max
MW	1635 kHz*		Min Cap	C199f		Max
	512 kHz*		Max Cap	S204		
	560 kHz*			S202		
	1500 kHz*			C199b		
520-1605 kHz	1500 kHz*					
LW** 150-255 kHz	147 kHz*		Max Cap	S204 S203		Max
FM	10.7 MHz Sweep range		via 100 nF	S209 S207		
	10-11 MHz		via 100 nF	S205 S201 S210		
FM 87.5-108 MHz	108 MHz*		Min Cap	C199h C199d		Max
	87.35 MHz*		Max Cap	S101 S102		

↑ Repeat - Herhalen - Répéter - Wiederholen - Repetera - Ricominciare - Gentage

** Only for D7032
* + 1 kHz modulation

GB

- Adjust for symmetry and max. height.
- Adjust the "S"-curve for symmetry and max. linearity.
- Interrupt AFC circuit.
— Connection between R111 and R211.
— R111 to ground.
- Restore AFC circuit.

F

- Régler au symétrie et maximum.
- Ajuster la courbe en S pour un maximum de pente et de symétrie.
- Couper la CAF.
— Interrompre la liaison entre R111 et R211.
— Mettre R111 à la masse.
- Rétablir la CAF.

I

- Regolare per pendenza massima e per simmetria.
- Regolare per pendenza massima e per simmetria della curva ad "S".
- Interrompere la CAF.
— Interrompere il collegamento R111 e R211.
— Mettere R111 a massa.
- Ristabilire la CAF.

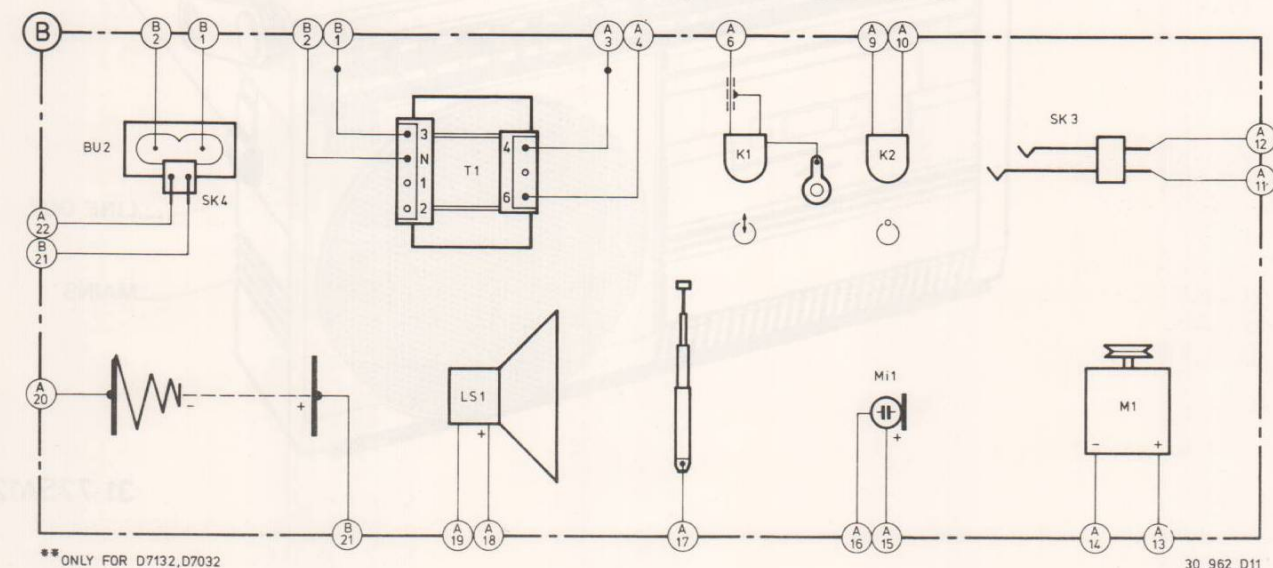
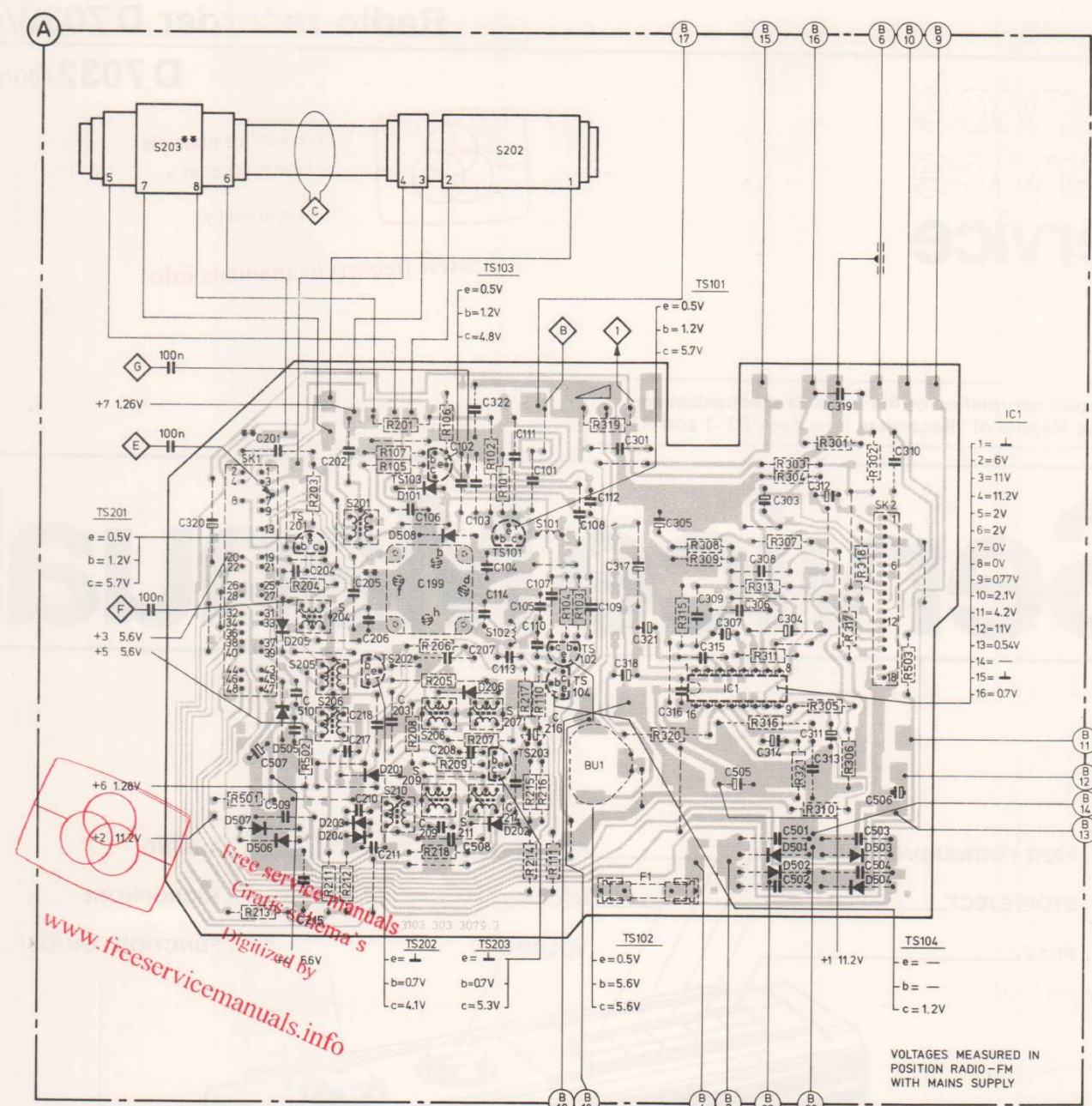
NL

- Regel de bandkromme af op symmetrie en max. hoogte.
- Regel de "S" kromme af op symmetrie en max. lineariteit.
- AFC uitschakelen.
— Onderbreek verbinding tussen R111 en R211.
— R111 aan massa leggen.
- Schakel AFC circuit weer in.

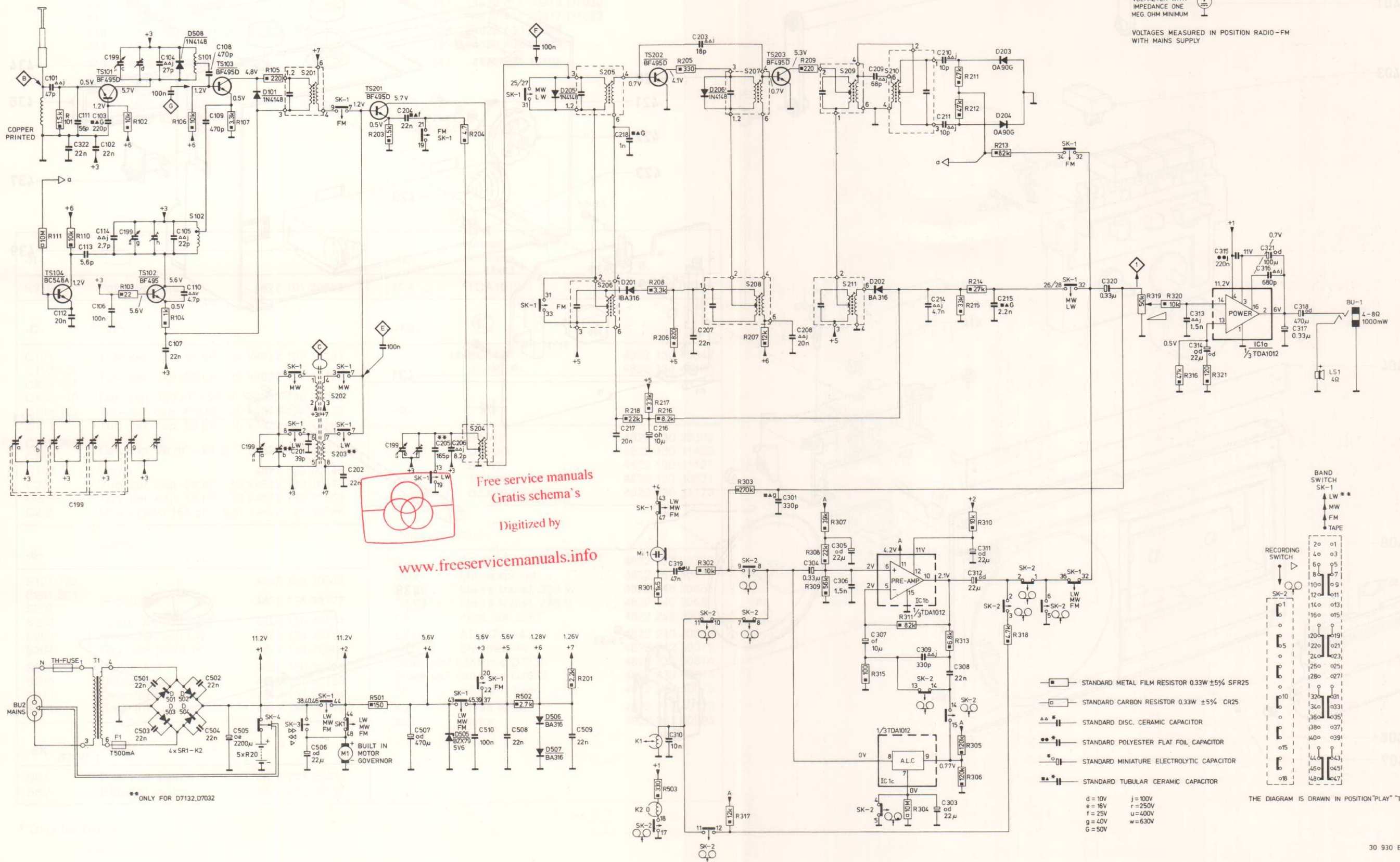
D

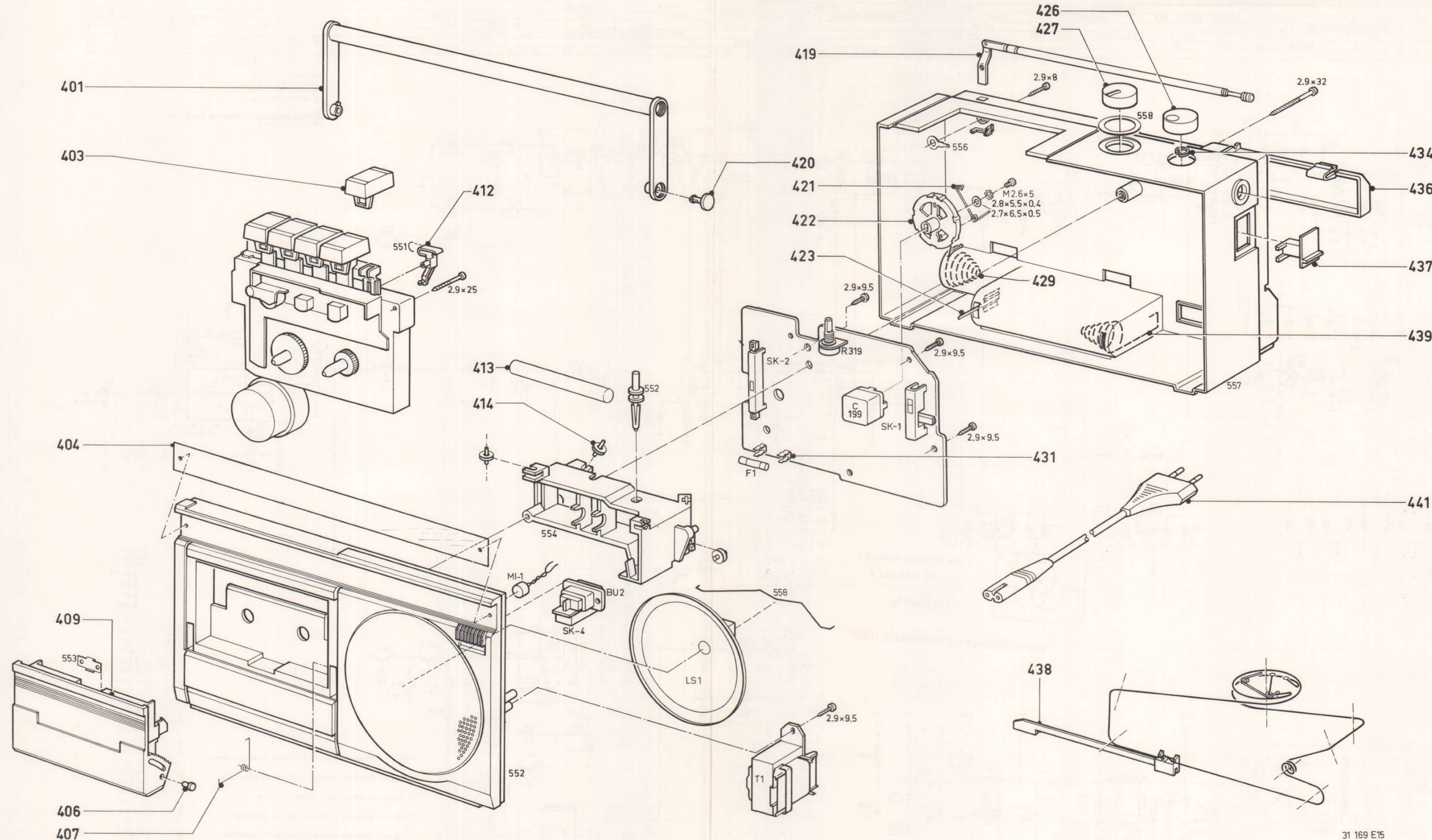
- Auf maximale Höhe und Symmetrie der Bandkurve einstellen.
- Die S-Kurve auf Symmetrie und maximale Linearität einstellen.
- AFC abschalten.
— Unterbrech Verbindung zwischen R111 and R211.
— R111 an Masse liegen.
- AFC wieder einschalten.

"Bei notwendigem Abgleich ist das Gerät auf die gesetzlich vorgeschriebenen Eckfrequenzen abzugleichen".



S	101,102										201,202,203				204				205, 206				207, 208				211, 209, 210																																													
MISC.	BU2, TS104	T1, F1, TS101	TS102, D501=D504, 508, TS103				SK4, D101	SK3	M1, TS201				D505				D205, D506, D507, D201				TS202, Mi 1, K1, K2				D206				TS203				D202				D203, D204				BU-1																															
C	101,103,111+114,106,102,199				104, 105, 107+110				204				205, 206				510				508				509				218, 217, 216				203, 207				208				209				214, 210, 211				320				313				315 + 318, 321															
	322				501+504				505				201,506				202				507				510				508				509				310,319				301				304				305+307				309				303, 308, 312,311				215											
R	111	101	110	102+104				106	107	105				203				204				208, 206, 216+218, 205				207				209				211+215				319				320				321																										
									501				502				201				301				503				302				317, 303				307+309				315				311, 304, 313				310				305, 306, 318				316															





- | | | | |
|-----|----------------------|-----|----------------------|
| 401 | 4822 498 40507 | 426 | 4822 413 51215 |
| 403 | 4822 410 22922 | 427 | 4822 413 51214 |
| 404 | 4822 459 40498 | 429 | 4822 492 62545 |
| 406 | 4822 462 40379 | 431 | 4822 492 62373 |
| 407 | 4822 492 62334 | 434 | 4822 492 51374 |
| 409 | 4822 443 50385 | 436 | 4822 423 50699 |
| 412 | 4822 403 51898 | 437 | 4822 411 60918 D7030 |
| 413 | 4822 526 10139 D7030 | 437 | 4822 411 60917 D7032 |
| 413 | 4822 526 10151 D7032 | 438 | 4822 450 80848 |
| 414 | 4822 528 50116 | 439 | 4822 492 51444 |
| 419 | 4822 303 30247 | 441 | 4822 321 10105 |
| 420 | 4822 462 71299 | | |
| 421 | 4822 492 51523 | | |
| 422 | 4822 528 40244 | | |
| 423 | 4822 492 62233 | | |

-R-			-IC-		
R319	Potm. volume	4822 101 20683	IC1	TDA1012	4822 209 80786
-C-			-TS-		
C101	Tub. cer. cap. 47 pF - 50 V	4822 122 10181	BC548A BF495D		4822 130 40948 4822 130 41498
C103,107, C202,207	Tub. cer. cap. 22 nF - 16 V	4822 122 10166			
C106,510	Cer. cap. 100 nF - 25 V	5322 122 34052	-D-		BA316 OA90G SR1K2 1N4148 BZX79-B5V6 4822 130 30302 4822 130 31423 4822 130 31127 4822 130 30621 4822 130 34173
C108,109	Tub. cer. cap. 470 pF - 50 V	4822 122 31435			
C111	Tub. cer. cap. 56 pF - 50 V	4822 122 10169			
C112,208, C217	Cer. cap. 20 nF - 25 V	5322 122 34016			
C199	Varco	4822 125 50145			
C201	Tub. cer. cap. 39 pF - 50 V	4822 122 10179	-Miscellaneous-		
C203	Tub. cer. cap. 18 pF - 50 V	4822 122 31553			
C205	Micro poco 165 pF - 630 V	4822 121 50786			
-S-					
S101,102		4822 158 10515			
S201,205, S207	IF-coil FM	4822 156 30777	BU1	Socket	4822 267 30376
S202	Ferrite bar coil MW	4822 156 40704	BU2	Mains socket	4822 267 40417
S203*	ferrite bar coil LW	4822 156 40702	T1/00	Mains transf. 220 V	4822 146 20682
S204	Osc. coil MW/LW	4822 156 30808	T1/05	Mains transf. 240 V	4822 146 20686
S206,208	IF-coil AM	4822 156 30778	F1	Fuse 500 mA T	4822 253 30017
S209	Detector coil FM	4822 157 51183	LS1	AD4072/X4	4822 240 40083
S210	Detector coil FM	4822 157 51184	Mi1	Electret mic	4822 242 30079
S211	Detector coil AM	4822 156 30779		Scale self adhesive D7030	4822 333 50614
-SK-				Scale self adhesive D7032	4822 333 50613
			K1	REC/PB head	4822 249 30075
SK1	Function switch	4822 277 20676	K2	Erase head	4822 249 40123
SK2	REC/PB switch	4822 277 30597	M1	Motor	4822 361 60295

* Only for D7032