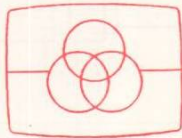


Radio recorder D7130/00
D7132/00

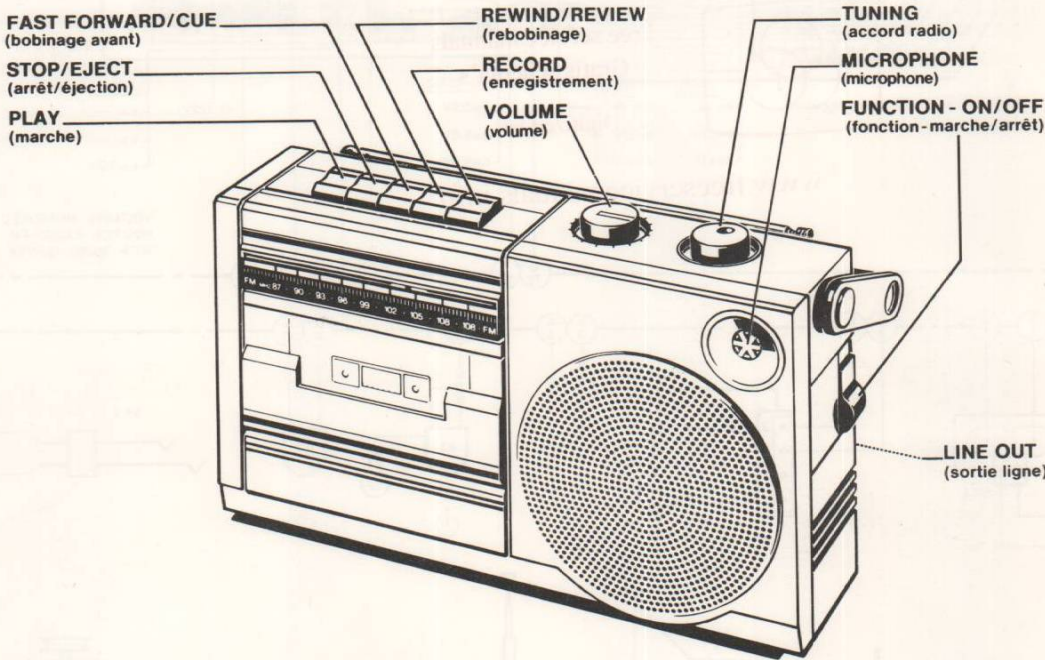


Free service manuals
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For repair information of the cassette mechanism see
Service Manual of "Recorders tape deck RT-1 and RT-8".

Service Manual



31 005A

SPECIFICATIONS

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

** Only for D7132

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 15216

Printed in The Netherlands

PHILIPS

SK-1						
MW	468 kHz*	 via 100 nF	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*	 via 100 nF	Min Cap	C199h C199d		Max
	87.35 MHz*		Max Cap	S101 S102		

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

** Only for D7132
* + 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.

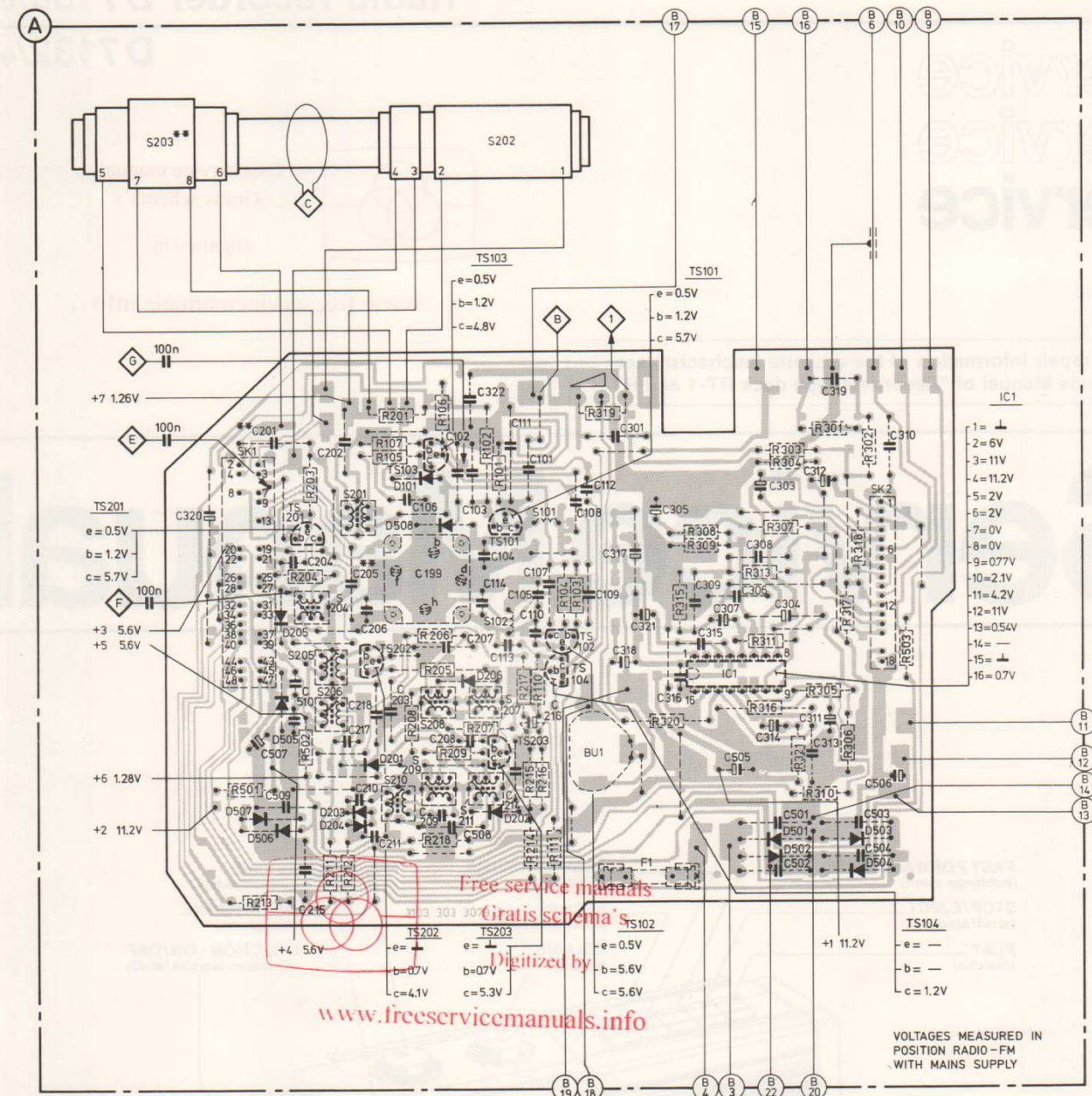
NL

- 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.

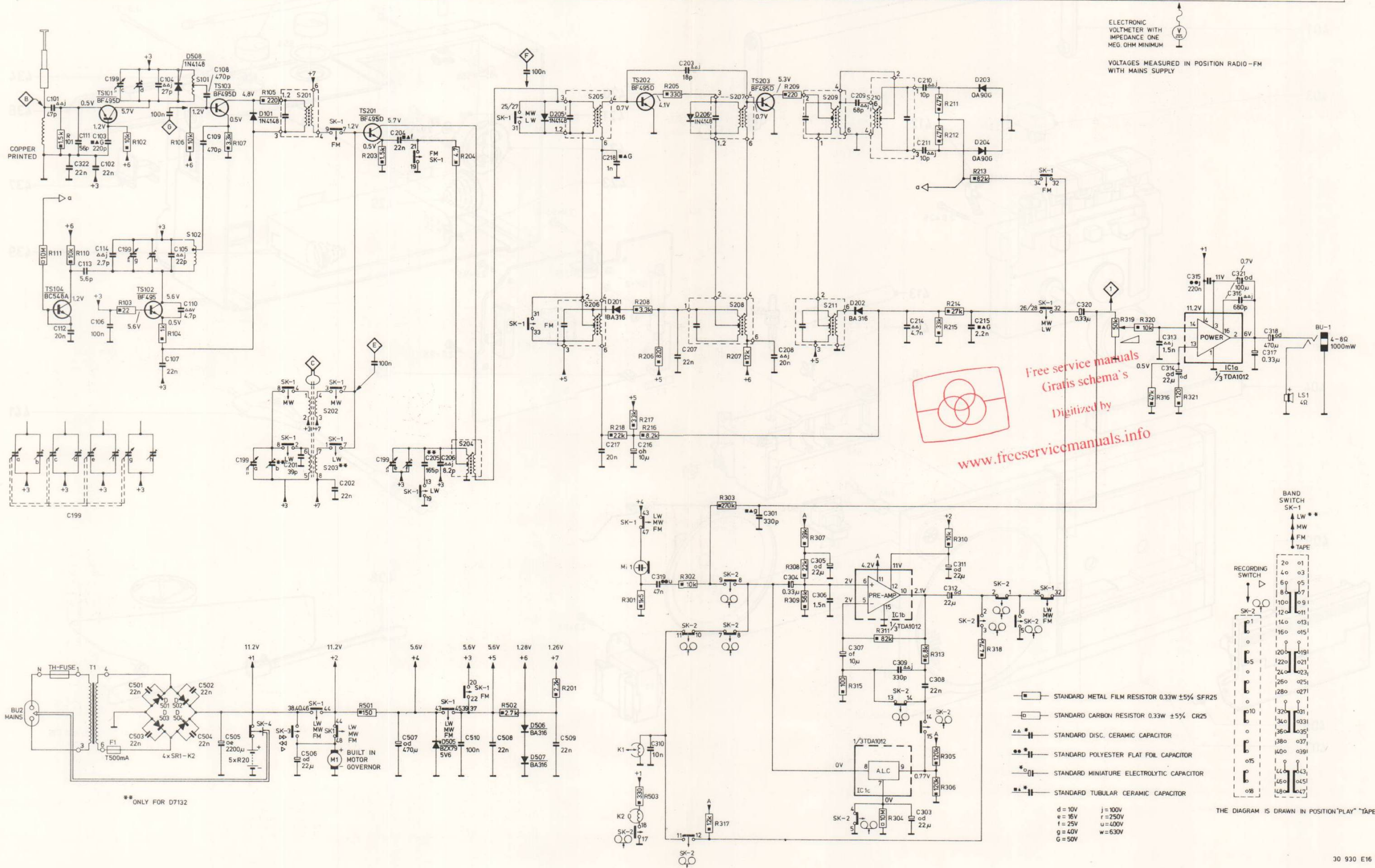
D

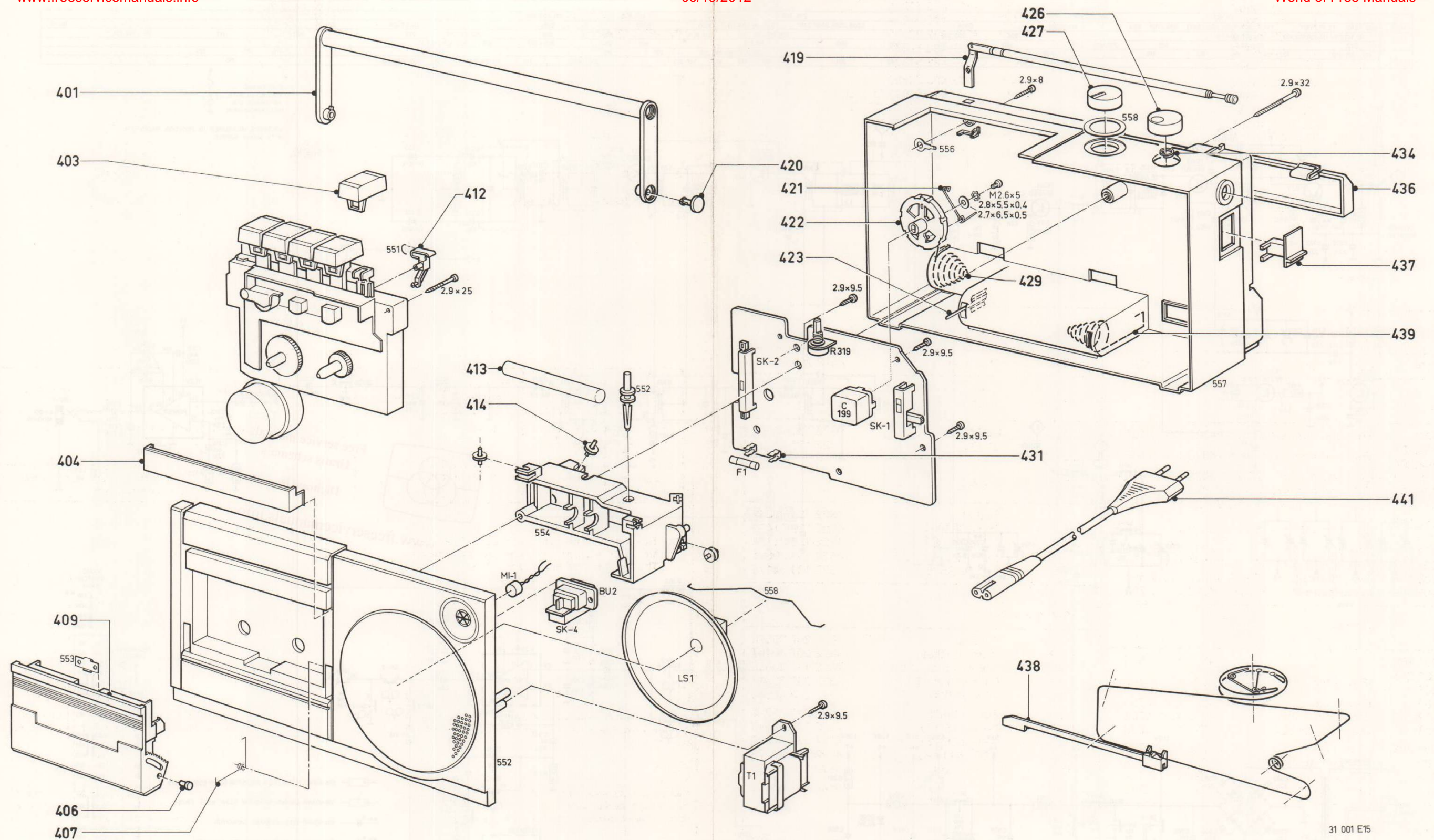
- Auf maximale Höhe und Symmetrie der Bandkurve einstellen.
- Die S-Kurve auf Symmetrie und maximale Linearität einstellen.
- AFC abschalten.
— Unterbrech Verbindung zwischen R111 und R211.
— R111 an Masse liegen.
- AFC wieder einschalten.

"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, M1, K1, K2 D206 TS203 D202 D203, D204					
C	101, 103, 111+114, 106, 102, 199 104, 105, 107+110 501+504 505 201, 506 202 204 205, 206 510 508 509 218, 217, 216 310, 319 203, 207 301 208 209 214, 210, 211 309 303, 308, 312, 311 315 320 313 315-318, 321 BU-1					
R	111 101 110 102+104 106 107 105 203 501 204 502 201 301 503 302 317, 303 307+309 315 311, 304, 313 310 305, 306, 318 319 320 321 316					





401 4822 498 40507
 403 4822 410 22922
 404 4822 459 20266
 406 4822 462 40379
 407 4822 492 62334
 409 4822 443 50385
 412 4822 403 51898
 413 4822 526 10139 D7130
 413 4822 526 10151 D7132
 414 4822 528 50116
 419 4822 303 30247
 420 4822 462 71299
 421 4822 492 51523
 422 4822 528 40244
 423 4822 492 62233

426 4822 413 51215
 427 4822 413 51214
 429 4822 492 62545
 431 4822 492 62373
 434 4822 492 51374
 436 4822 423 50699
 437 4822 411 60918 D7130
 437 4822 411 60917 D7132
 438 4822 450 80846
 439 4822 492 51444
 441 4822 321 10105

-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 4822 130 40948 BF495D 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- 		
C108,109	Tub. cer. cap. 470 pF - 50 V	4822 122 31435			
C111	Tub. cer. cap. 56 pF - 50 V	4822 122 10169	BA316 4822 130 30302 OA90G 4822 130 31423 SR1K2 4822 130 31127 1N4148 4822 130 30621 BZX79-B5V6 4822 130 34173		
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			
C203	Tub. cer. cap. 18 pF - 50 V	4822 122 31553			
C205	Micro poco 165 pF - 630 V	4822 121 50786	-Miscellaneous-		
-S- 					
S101,102		4822 158 10515	BU1	Socket	4822 267 30376
S201,205, S207	IF-coil FM	4822 156 30777	BU2	Mains socket	4822 267 40417
S202	Ferrite bar coil MW	4822 156 40704	T1	Mains transf. 220 V	4822 146 20682
S203*	ferrite bar coil LW	4822 156 40702	F1	Fuse 500 mA T	4822 253 30017
S204	Osc. coil MW/LW	4822 156 30808	LS1	AD4072/X4	4822 240 40083
S206,208	IF-coil AM	4822 156 30778	Mi1	Electret mic	4822 242 30079
S209	Detector coil FM	4822 157 51183	Scale self adhesive D7130 4822 333 30143		
S210	Detector coil FM	4822 157 51184	Scale self adhesive D7132 4822 333 40307		
S211	Detector coil AM	4822 156 30779	K1	REC/PB head	4822 249 30075
-SK- 			K2	Erase head	4822 249 40123
			M1	Motor	4822 361 60295
SK1	Function switch	4822 277 20676			
SK2	REC/PB switch	4822 277 30597			

* Only for D7132