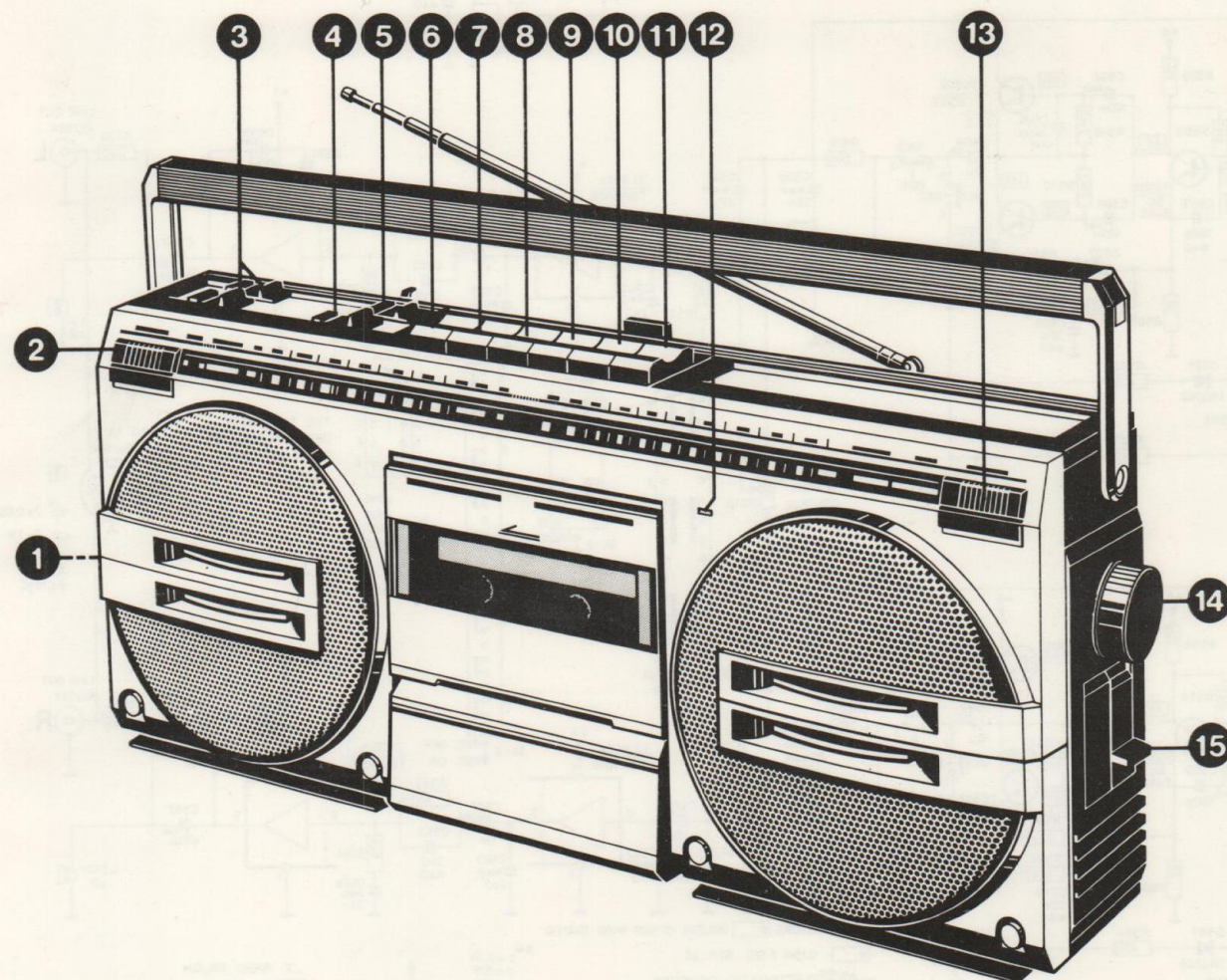


Service Service Service

For repair information of the cassette mechanism see Service Manual of "Recorders tape deck RT-1" and "Recorders tape deck RT-37".

Service Manual



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CONNECTIONS AND CONTROLS

1.	Tape/radio	„function switch”	SK2	11.		„rec”	SK-4,SK-3
2.		„electret mic. left”	Mi-501	12.		„stereo indicator”	D801
3.		„volume”	R531,R581	13.		„electret mic. right”	Mi-551
4.		„tone”	R530,R580	14.		„tuning”	C801
5.		„stereo control”	R540	15.	FM,MW,LW**	„band switch”	SK-1
6.		„pause”		17.	Δf	„R.I.F. switch”	SK-5
7.		„play”	SK-4	18.		„Line out”	BU-550
8.		„stop/eject”	SK-4	19.		„Line-out”	BU-501, BU-551
9.		„F.F.”	SK-4	20.		„mains socket”	BU-1, SK-6
10.		„rew”	SK-4				

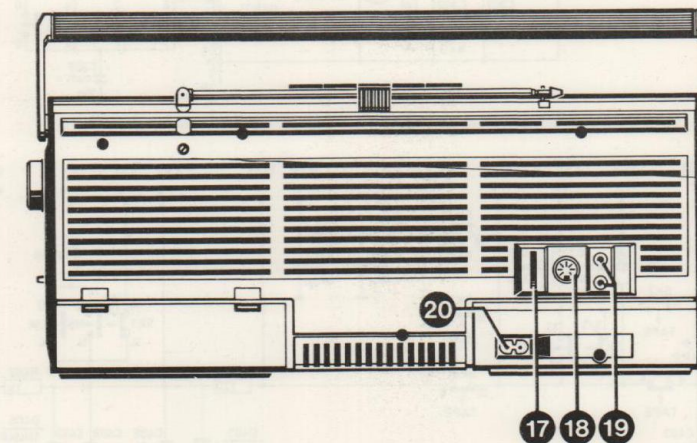
SPECIFICATION

	: 6 V (4x R20)
	: 220 V 50/60 Hz
	: 240 V for /05
	: 2x 0.85 W - 1 dB ($D \leq 10\%$)
	: 2x 1 W - 1 dB ($D \leq 10\%$)

IF-AM	: 468 kHz $\pm$ 1 kHz
IF-FM	: 10.7 MHz $\pm$ 0.1 MHz
FM	: 87.5 MHz $\div$ 108 MHz
MW	: 520 kHz $\div$ 1605 kHz
LW**	: 150 kHz $\div$ 255 kHz

** Only for D8132

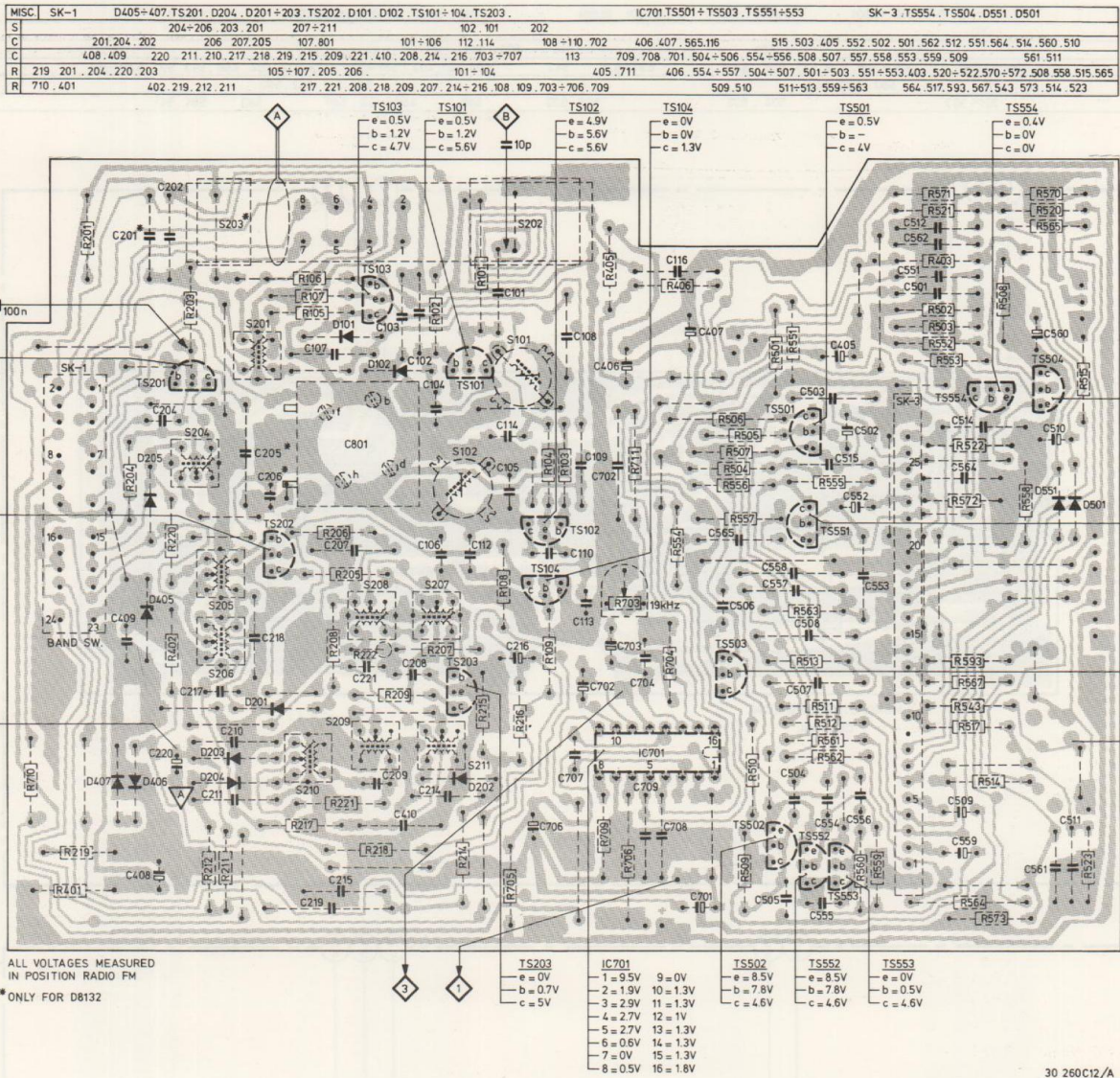
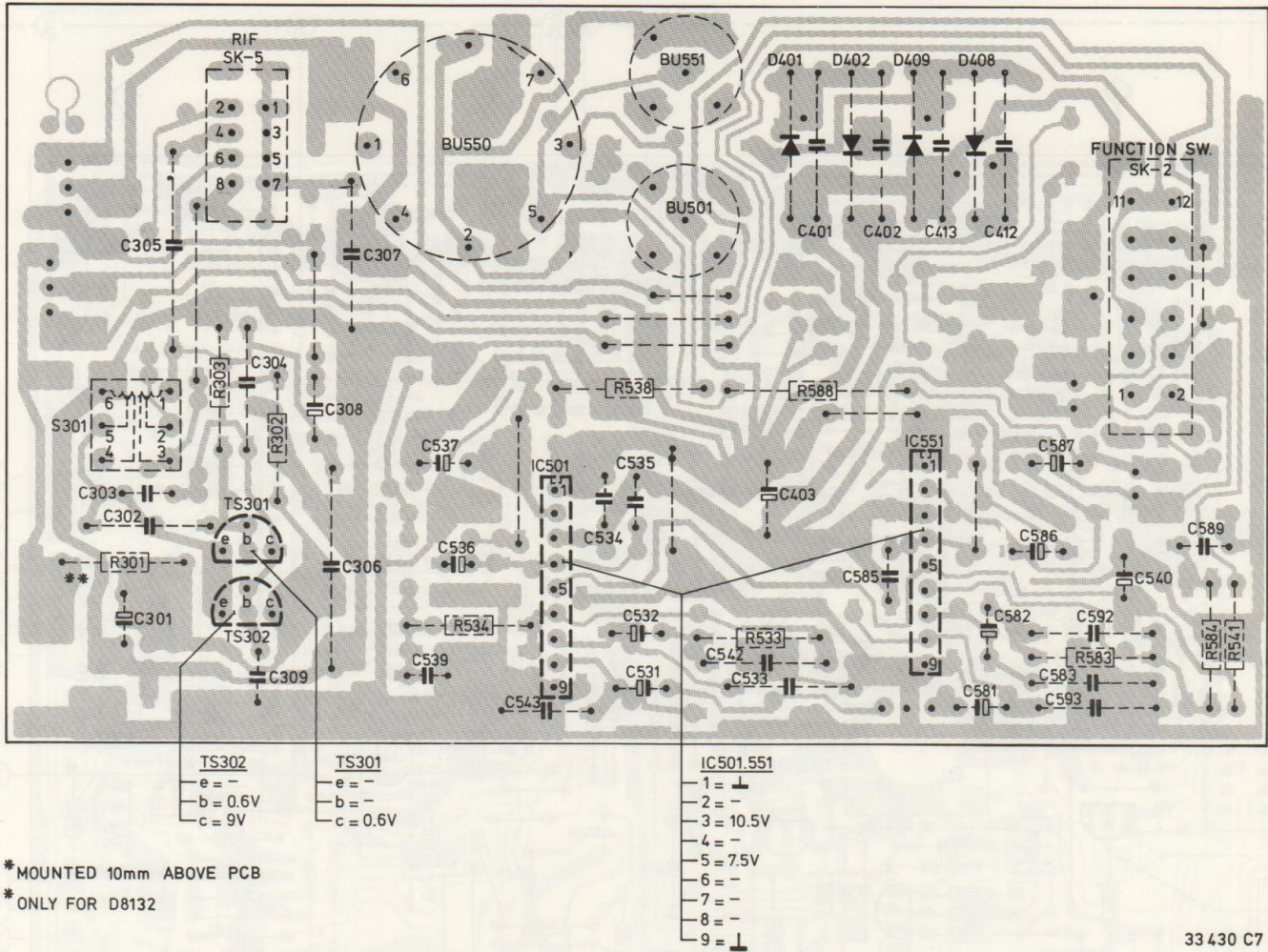
Tape speed	: 4.76 cm/sec. $\pm$ 3%
Wow and flutter	: $\leq 0.35\%$
Signal to noise ratio	: ≥ 40 dB
Frequency range	: 250-6300 Hz (within 8 dB)
Bias frequency	: 73 kHz
Tape output	: 500 mV/220 Ω



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MISC.	SK-5 . TS301 . TS302	BU550 . IC501	BU551 . BU501	D401 . D402 . IC551 . D409 . D408	SK-2
S	301				
C	301÷305	306÷308 . 539 . 537 . 536 . 543	531÷535	542	403 . 401 . 402 . 581÷587 . 413 . 412 . 404 . 450 . 593 . 592 . 540 . 589
R	301÷303	534	538	533 . 588	450÷452
				583	584 . 541

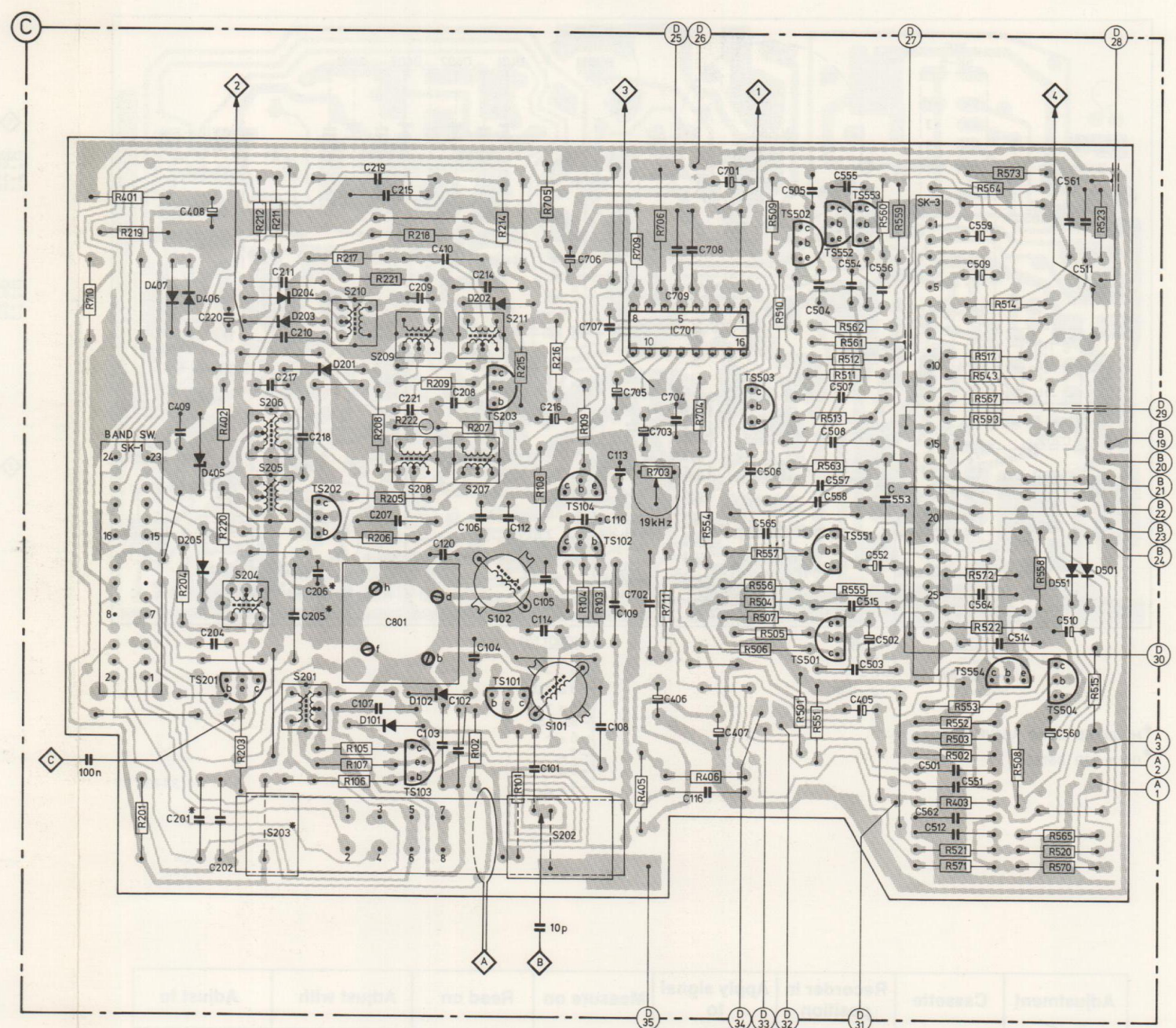
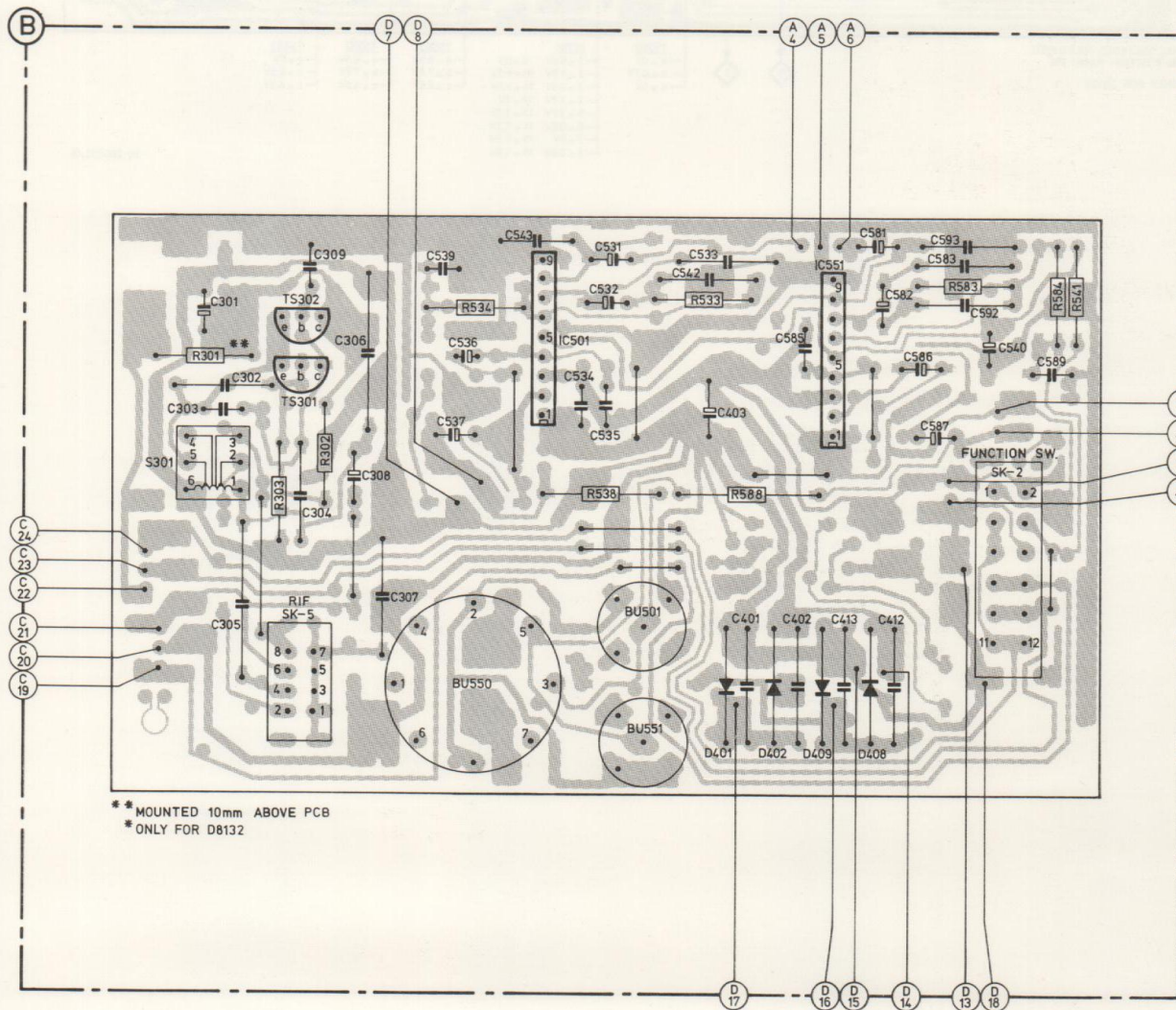
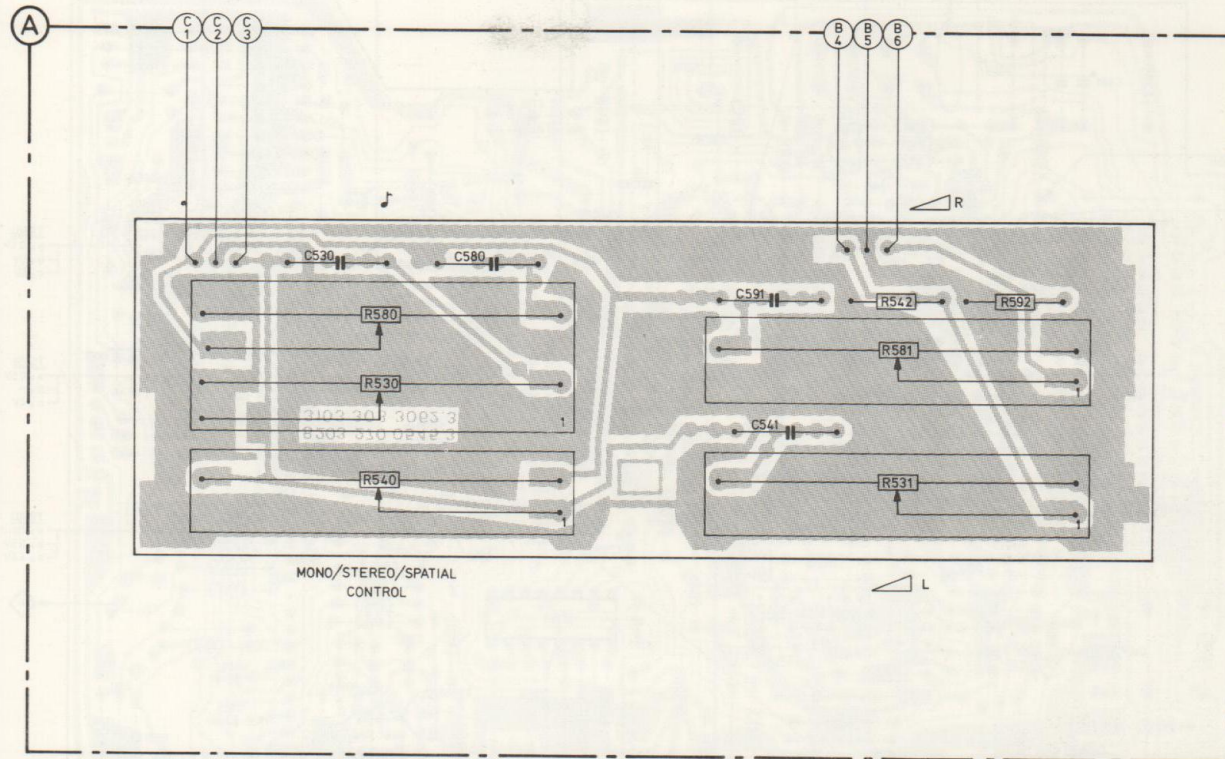


Adjustment	Cassette	Recorder in position	Apply signal to	Measure on	Read on	Adjust with	Adjust to
Play back speed	3150 Hz of SBC133 420**	PLAY	—	BU550	Wow- and flutter meter	Preset in motor	*a
Azimuth R/P head	8 kHz of SBC420**	PLAY	—	BU501 BU551	mV-meter	Left screw R/PB head	Max. output
Erase oscillator frequency	—	REC/PLAY SK2 TAPE SK5 "0"	—	MP-4	Frequency counter	S301	73 kHz ± 200 Hz

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

** SBC420: 4822 397 30071.

MISC.	SK-5, TS302, TS301			BU550, IC501	BU501, BU551	D401, D402, IC551, D409, D408			SK-2	D801, LS101, SK-1, MI551, TS201, D405, 203+207, LS1, MI501, TS202, D201, M1			TS103	SK-4	TS203, 101, 102, 104, K2			TS101+104, 203, K1, 101, IC701, TS501+503, TS551+553, SK-3, T1, TS554, TS504, D551, D501, SK-6, BU1, F1		
S	301																			
C		530		580		591, 541						203+206, 201	803, 207+211		102, 101	202				
C	301+305			306+309, 539, 537, 536, 543		531+535, 542	403, 401, 402, 581+587, 413, 412, 404, 450, 593, 592, 540, 589				408, 409, 220, 211, 210, 217, 218, 219, 215, 209, 221, 410, 208, 214, 216, 703+707			113	709, 708, 701, 504+506, 554+556, 508, 507, 557, 558, 553, 559, 509				561, 511	
R			580, 530, 540				581, 531, 542, 592					201, 204, 202	205+207	802, 107, 801	101+106, 112, 114	108+110, 702	116, 406, 407	565	515, 503, 405, 552, 502, 501, 562, 512, 551, 564, 514, 560, 510	
R	301+303			534, 537		538, 533	588, 450+452, 587	583, 584, 541			710, 401, 219, 402	212, 211		217, 221, 208, 218, 209, 207, 214+216, 108, 109, 703+706, 709			509, 510, 511+513, 559+563	564, 517, 543, 567, 593, 573, 514, 523		
											201, 204, 220, 203			105+107, 205, 206		101+104	405, 711	406, 554+557, 504+507, 501+503, 551+553, 403, 520+522, 570+572, 508, 558, 515, 565		



SK-1						
AM-IF						
MW	468 kHz mod. 1 kHz 30%		Max Cap	S211 S208 S206		 Max.
AM-RF						
MW	1635 kHz mod. 1 kHz 30%		Min Cap	C801h		 Max
520-1605 kHz	560 kHz mod. 1 kHz 30%			S202		
	1500 kHz mod. 1 kHz 30%			C801f		
LW* 150-255 kHz	147 kHz mod. 1 kHz 30%		Max	S204		 Max
	200 kHz mod. 1 kHz 30%		Cap	S203		
FM-IF						
FM	10.7 MHz $\Delta f=300$ kHz (50 Hz) 			S209		
				S207		
				S205 S201		
				S210		
FM-RF						
FM 87,5-108 MHz	108 MHz mod. 1 kHz Δf 22,5 kHz		Min Cap	C801d C801b		 Max
	87,35 MHz mod. 1 kHz Δf 22,5 kHz		Max Cap	S101* S102		 Max

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

* Only for D8132

STEREO DECODER

SK-1		Counter
FM	R703	19 kHz ± 50 Hz

D

- 1 Brücke öffnen.
- 2 Brücke schliessen.
- 3 Die Spitze der Durchlasskurve in der Mitte des Bildes legen dadurch, dass man die Wobelfrequenz verschiebt.

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

F

- 1 Ouvrir le pontet .
- 2 Fermer le pontet .
- 3 Le top de la courbe de réponse doit être amené au centre de l'écran par glissement de la fréquence de modulation.

GB DEMOUNTING

Cabinet, Fig. 1

- Remove the 6 screws in the backplate (do not loosen the black aerial screw).
- After removing 2 screws the tape transport can be tilted.

The cassette lid can be removed when, in open position, the left hinge point (seen from the front) is released first. It is only possible to remove the handgrip after the back part of the cabinet has been removed. Turn handgrip to the front. Then slightly bend both sides of handgrip outwards and the handgrip will be released.

F DEMONTAGE

Boîtier, Fig. 1

- Dévisser les 6 vis de la paroi arrière (laisser la vis noire de l'antenne)
- Après avoir enlevé les 2 vis, la mécanique peut être rabattue.

Le rabat du compartiment cassette est amovible; il suffit de dégager le point charnière de gauche (vu de l'avant) alors que le compartiment est ouvert.

La poignée ne sera enlevée qu'après avoir ôté le dos. Basculer la poignée vers le devant. La poignée se dégage, lorsqu'on plie légèrement vers l'extérieur les deux jambes de la poignée.

NL DEMONTAGE

Kast, Fig. 1

- Verwijder de 6 schroeven uit de achterwand. (Laat de zwarte antenne schroef zitten).
- Het loopwerk kan na verwijdering van 3 schroeven worden gekanteld.

De cassetteklep kan verwijderd worden door in geopende stand eerst het linker scharnierpunt (vanaf voorzijde gezien) vrij te maken.

Het handvat kan verwijderd worden als de achterwand verwijderd is.

Het handvat naar de voorzijde draaien. Daarna beide zijanten van het handvat iets naar buiten buigen waardoor het handvat vrijkomt.

D ANWEISUNGEN ZUM AUSBAU

Gehäuse, Abb. 1

- Die 6 Schrauben in der Rückwand entfernen (die schwarze Antennenschraube nicht lösen).
- Nach der Entfernung von 2 Schrauben kann jetzt das Laufwerk gekantelt werden.

Die Cassettenfachklappe lässt sich ausbauen, indem in geöffneter Lage zunächst die linke Gelenkstelle (von der Vorderseite her betrachtet) befreit wird.

Handgriff lässt sich erst entfernen, wenn die hintere Gehäusehälfte abgenommen worden ist.

Der Tragegriff ist vorwärts zu drehen, anschliessend werden beide Seiten des Handgriffs ein wenig auswärts gebogen, wodurch dieser frei wird.

I SMONTAGGIO

Mobile, Fig. 1

- Svitare le 6 viti del pannello posteriore (lasciare stare la vite nera dell'antenna)
- La meccanica può ora essere ribaltata (togliere le 2 viti).

Il coperchio del vano cassetta potrà essere tolto: basta liberare il punto di articolazione alla sinistra (visto dal davanti) mentre questo stesso coperchio si trova in posizione alzata.

L'unica maniera per togliere la maniglia è di levare prima il fondo del mobile.

Fare girare la maniglia verso dietro. Piegare poi un pò i due lati della maniglia verso l'esterno, la maniglia sarà così disinnestata.

NL

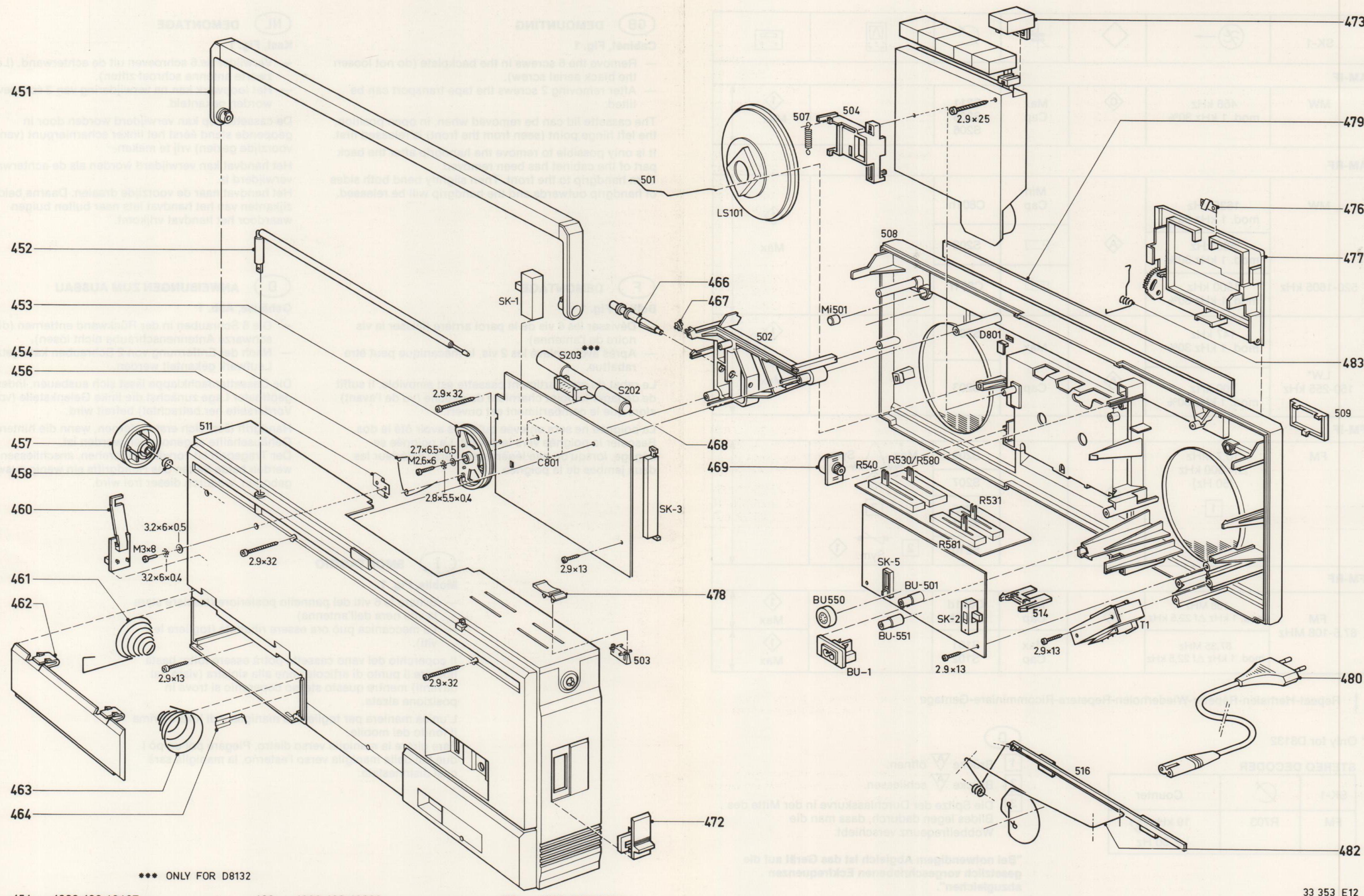
- 1 Open brug .
- 2 Sluit brug .
- 3 De top van de doorlaatkromme in het midden van het scherm plaatsen door verschuiven van de wobelfrequency.

I

- 1 Aprire il ponticello .
- 2 Chiudere il ponticello .
- 3 Il pico della curva di risposta deve trovarsi al centro dello schermo, il chè si farà spostando la frequenza di Wobulazione.

GB

- 1 Open jumper .
- 2 Close jumper .
- 3 Place the peak of the band-pass curve in the middle of the picture by shifting the sweep frequency.



451	4822 498 10167	462	4822 423 40622	476	4822 492 62334
452	4822 303 30242	463	4822 492 62545	477	4822 443 61172
453	4822 528 40219	464	4822 492 62233	478	4822 411 60992
454	4822 492 40779	466	4822 535 91325	479	4822 450 60335 D8130
456	4822 492 62546	467	4822 528 50116	479	4822 450 60341 D8132
457	4822 413 51177	468	4822 526 10215 D8130	480	4822 321 10105 /00/18 △
458	4822 492 51374	468	4822 526 10214 D8132	480	4822 321 10235 /05 △
460	4822 411 60817 D8130	469	4822 535 70618	482	4822 321 30214
460	4822 411 60815 D8132	472	4822 411 60814	483	4822 492 51508
461	4822 492 51444	473	4822 410 22922		

Fig. 1

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-R-			-IC-		
R530	R530-R580 Tone 50 kΩ	4822 105 10461	IC701	AN7410	4822 209 80683
R531	Volume left 50 kΩ	4822 105 10459	IC501	TDA1015	4822 209 81161
R540	Stereo control 100 kΩ	4822 105 10458	IC551	TDA1015	4822 209 81161
R581	Volume right 50 kΩ	4822 105 10459			
R703	Trimpot. 10 kΩ	4822 100 10035			
-S-			-TS-		
S101		4822 158 10515	BC548A		4822 130 40948
S102		4822 158 10515	BC548B		4822 130 40937
S201	IF coil FM	4822 153 50205	BC548C		4822 130 44196
S204	Osc. coil MW, LW	4822 156 30808	BC558B		4822 130 44197
S205	IF coil FM	4822 156 30777	BF495D		4822 130 41498
S206	IF coil AM	4822 153 10292			
S207	IF coil FM	4822 153 50205			
S208	IF coil AM	4822 153 10292			
S209	Det. coil FM	4822 153 50207			
S210	Det. coil FM	4822 153 50208			
S211	Det. coil AM	4822 153 10293			
S301	Osc. coil	4822 156 50026			
-SK-			-D-		
SK-1	Band select switch	4822 277 20756	BA316		4822 130 30302
SK-2	Function select switch	4822 277 20755	OA95		4822 130 30191
SK-3	REC/Pb switch	4822 277 20754	1N4001G		4822 130 31438
SK-5	RIF switch	4822 277 20857	1N4148		4822 130 30621
			BZX79-B5V6		4822 130 34173
			SLP141B		4822 130 31191
-C-			-Miscellaneous-		
C801	Varco	4822 125 50145	LS1/101	Loudsp. AD4072/X4	4822 240 40122
			MI501/551	Electret mic.	4822 242 10046
			△ T1	Mains transformer 220 V	4822 146 20682
			△ T1 for /05	Mains transformer 240 V	4822 146 20686
			△ BU1	Mains socket	4822 265 20207
			BU501/551	CINCH socket	4822 267 10061
			BU550	DIN socket	4822 267 50218
			△ F1	Thermal fuse	4822 252 20007

(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)

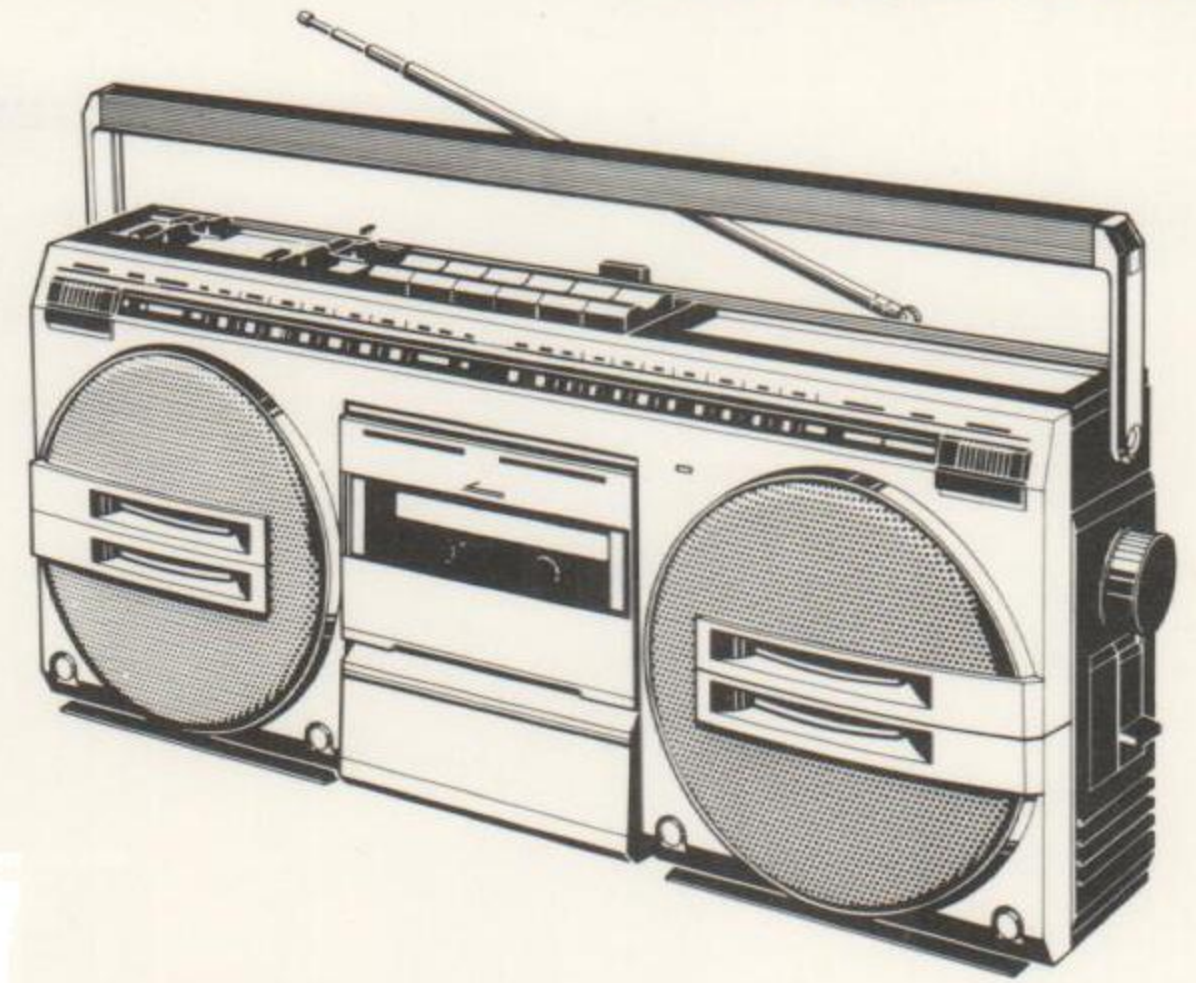
Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand des Geräts darf nicht verändert werden; für Reparaturen sind Original-Ersatzteile zu verwenden.

(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.

Service
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D8132/00L/05L



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Service Manual

(GB)

D8130/00L is identical to D8130/00
D8132/00L/05L is identical to D8132/00/05

however with differently coloured cabinet parts.

The code numbers for these new parts are:

Item 477 = 4822 443 61566
Item 508 = 4822 426 50727
Item 509 = 4822 460 20579
Item 511 = 4822 426 20052

(NL)

D8130/00L is gelijk aan D8130/00
D8132/00L/05L is gelijk aan D8132/00/05

echter met anders gekleurde kastdelen.

De codenummers voor deze nieuwe delen zijn:

Pos. 477 = 4822 443 61566
Pos. 508 = 4822 426 50727
Pos. 509 = 4822 460 20579
Pos. 511 = 4822 426 20052

(F)

Le D8130/00L est semblable au D8130/00
Le D8132/00L/05L est semblable au D8132/00/05

sauf pour ce qui est de la couleur de certaines parties du boîtier.

Les codes de ces nouvelles parties sont:

Rep. 477 = 4822 443 61566
Rep. 508 = 4822 426 50727
Rep. 509 = 4822 460 20579
Rep. 511 = 4822 426 20052

(D)

D8130/00L ist dem D8130/00 gleich
D8132/00L/05L ist dem D8132/00/05 gleich

jedoch mit andersfarbigen Gehäuseteilen.

Die Codenummern der neuen Teile sind:

Pos. 477 = 4822 443 61566
Pos. 508 = 4822 426 50727
Pos. 509 = 4822 460 20579
Pos. 511 = 4822 426 20052

(I)

D8130/00L è sémile al'D8130/00
D8132/00L/05L è sémile al'D8132/00/05

Salvo per quanto è del colore di certe parti del mobile.

Codice di queste nuove parti:

Pos. 477 = 4822 443 61566
Pos. 508 = 4822 426 50727
Pos. 509 = 4822 460 20579
Pos. 511 = 4822 426 20052