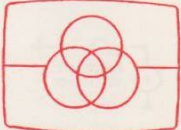


Clock radio cassette recorder D7547

/00/02

Service
Service
Service

For repair information of the cassette mechanism see Service Manual of "Recorders tape deck RT-1 and RT-12".

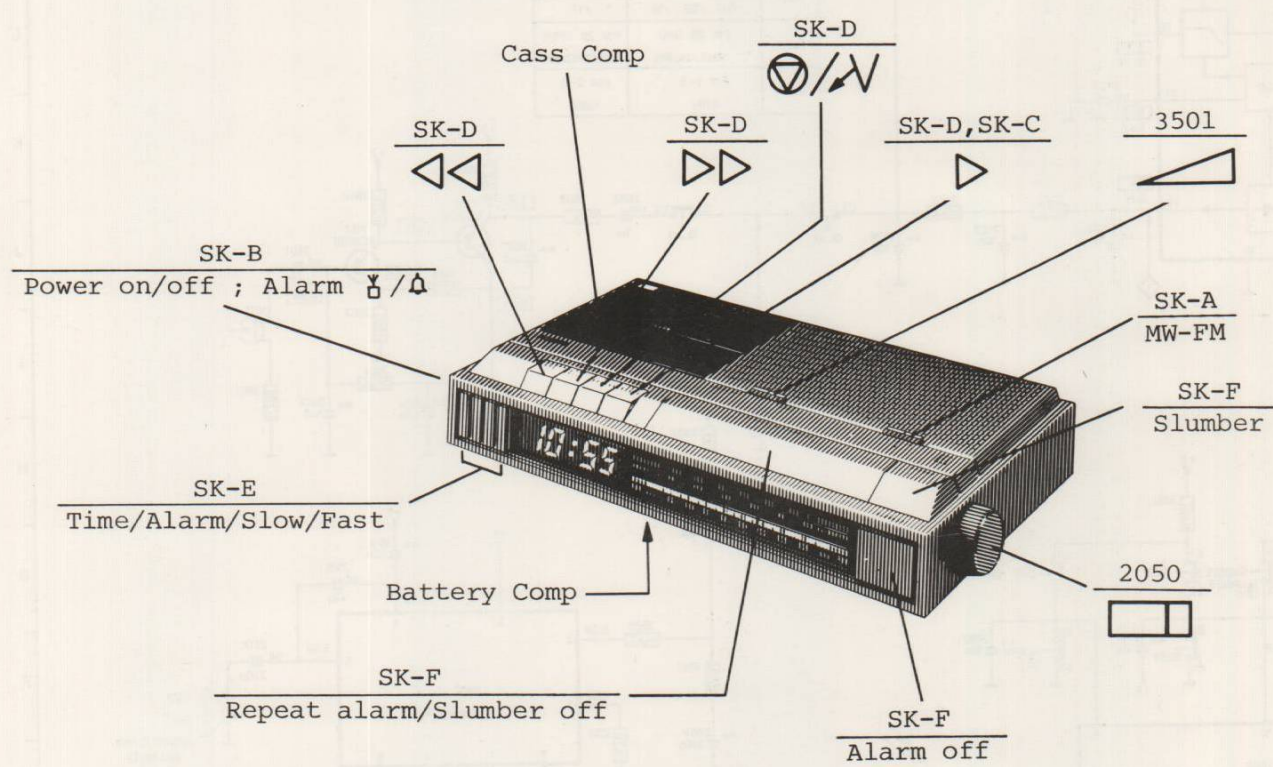


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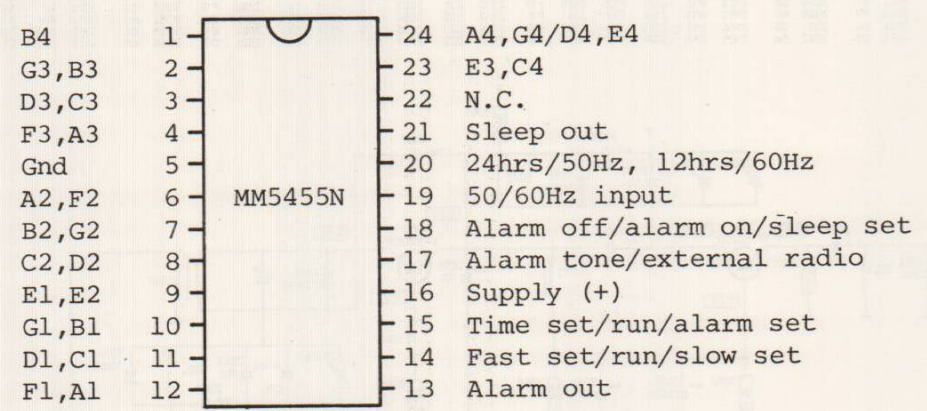
Service Manual



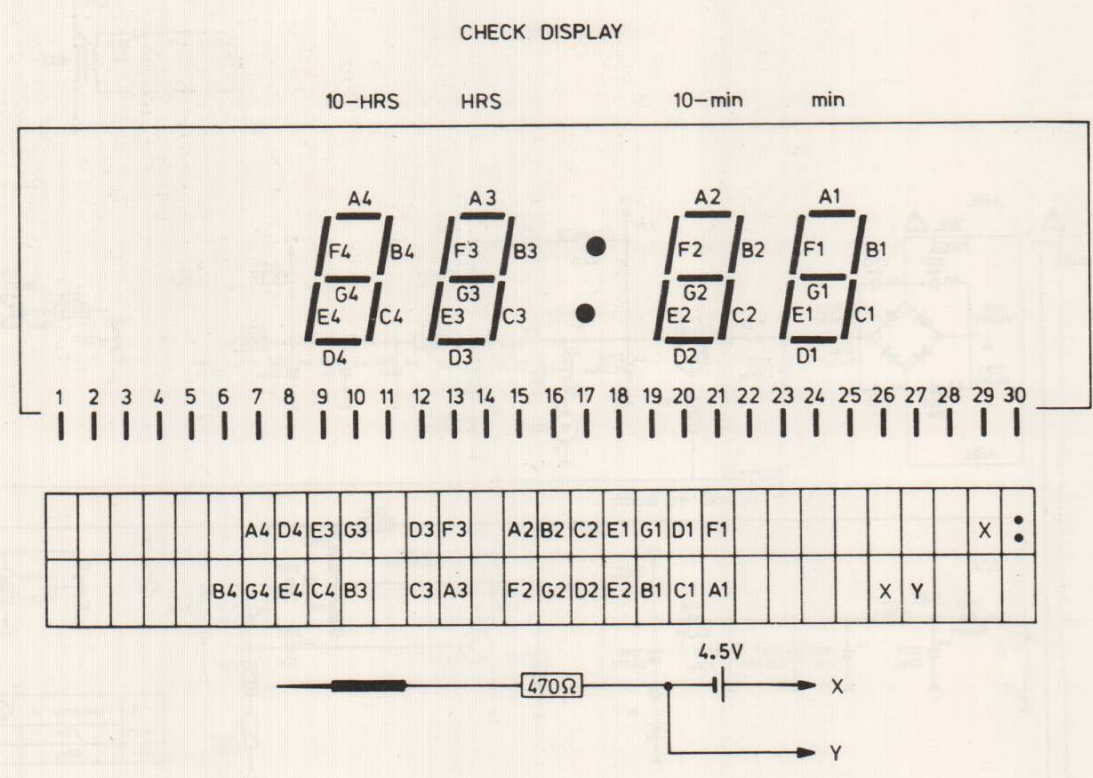
26266

Mains	: 110-127/220V 50Hz	MW	: 520-1605KHz
Battery	: 9V (MBB)	FM	: 87.5-108MHz
Power	: 300mW ± 1dB@8Ω (d=10%)	Tape speed	: 4.76cm/sec ± 3%
AM IF	: 468KHz	Wow and flutter	: <0.4%
FM IF	: 10.7MHz	Time	: 12HR

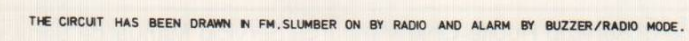
IC-Connections

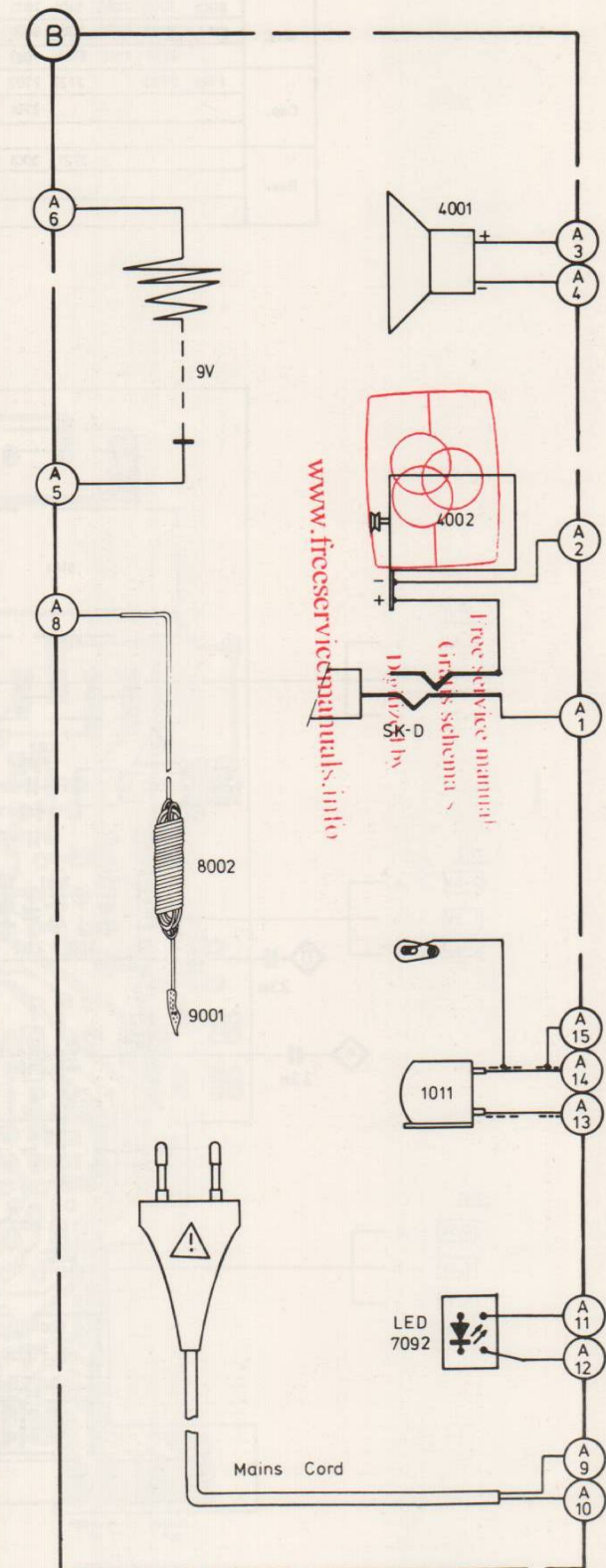


P20 connected to:		Open
Clock mode	24 Hrs - 50 Hz	12 Hrs - 60 Hz



26267





	12HRS 60Hz	24HRS 50Hz
	Open	Close

CS 89 428

Service codes for set

401 4822 532 51111
402 4822 443 61147
403 4822 443 30496
404 4822 410 23134
406 4822 410 23139
407 4822 404 20492
408 4822 411 60954
409 4822 267 60124
411 4822 214 50338
412* 4822 443 30498
412** 4822 443 30499

413 4822 492 62544
414 4822 410 23133
416 4822 450 80868
417 4822 492 32316
418 4822 321 30214
419 4822 492 32315
420 4822 410 23132
421 4822 492 31386
422 4822 466 60884
423 4822 411 60953

424 4822 413 41182
426 4822 492 62925
427 4822 321 10105
428 4822 278 90413
429 4822 528 80945
430 4822 426 20045
431 4822 528 80907
432 4822 443 50406

* For D7548 only
** For D7547 only

Repair hints

1. To demount set one has to remove 6 screws (1 pc in battery compartment), tuning knob 424 and open the cassette door 402 before top cabinet 403 can be lifted up.
2. Pointer 416 must be set to low end (max. cap.) before pcb 504a can be lifted up from bottom cabinet 432 or else the drive system will be pulled out with pcb.
3. During assembly of top cabinet 403 one has to hold the deck buttons (502 and 404) in position until it sits into bottom cabinet 432.

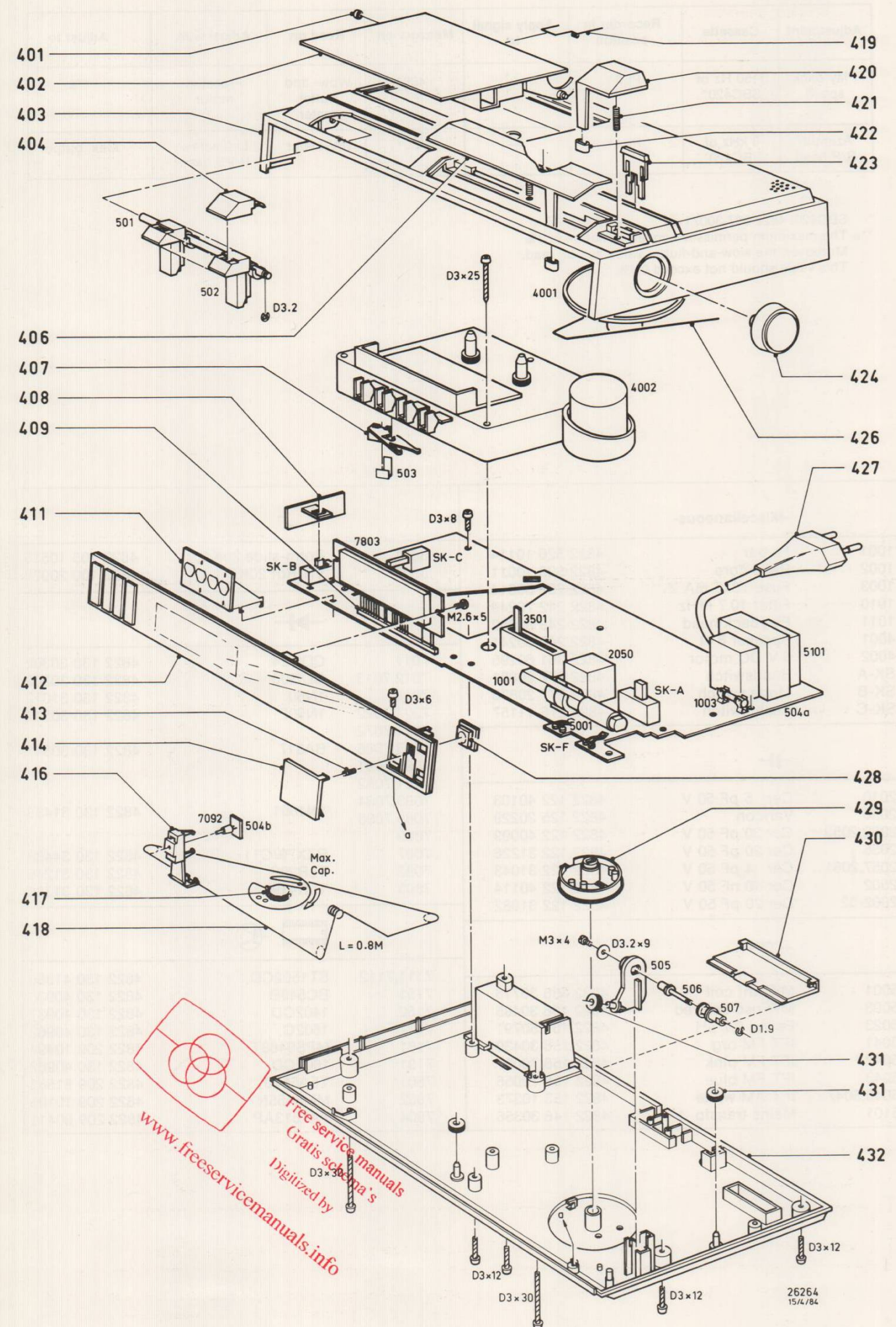
SK-A								
MW 520-1605KHz	$\approx 455\text{KHz}$ $\Delta f=10\text{KHz}$		min.		5046 5047		max.	symm.
	512KHz		max.		5003		max.	
	1635KHz		min.		CTc			
	600KHz				5001			
	1400KHz				CTd			
FM 87.5-108MHz	$\approx 10.7\text{MHz}$ $\Delta f=300\text{KHz}$ (50Hz)		min.		5041 5042 5043		max.	symm.
					5043			max.lin. + symm.
	* 86.5MHz		max.		5024 5022		max.	
	* 109MHz		min.		CTa CTb			
Clock freq. AC=0V, DC=9V					3907		50Hz #	

Repeat - Herhalen - Répéter - Wiederholen - Repetera - Ricominciare - Gentage - Ghentagelse - Toista

* /02 : $87.35 \pm 0.15\text{MHz} \div 108.2 \pm 0.3; -0.2\text{MHz}$

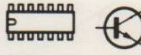
"Bei notwendigem Abgleich ist das Gerät auf die gesetzlich vorgeschriebenen Eckfrequenzen abzugleichen".

/17 : 60Hz



Adjustment	Cassette	Recorder in position	Apply signal to	Measure on	Read on	Adjust with	Adjust to
Play back speed	3150 Hz of SBC420*	PLAY	—	+4001	Wow- and flutter meter	Preset in motor	**a
Azimuth R/P head	8 kHz of SBC420*	PLAY	—	+4001	mV-meter	Left screw R/PB head	Max. output

* SBC420: 4822 397 30071
**a The maximum permissible speed deviation is 3%.
Moreover, the wow-and-flutter value can be read.
This value should not exceed 0.4%.

-Miscellaneous-								
1001	Fe bar	4822 526 10114	3501	Potm-slide 20KA	4822 105 10515			
1002	Bead core	4822 526 10011	3907	VR-Rot 20KB	4822 100 20078			
1003	Fuse T315 mA 	4822 253 30014						
1010	Filter 10.7 MHz	4822 242 70249						
1011	Playback head	4822 249 30082						
4001	Speaker 8 Ω	4822 240 30241						
4002	6 V DC motor	4822 361 60295						
SK-A	Bandswitch	4822 277 20881						
SK-B	Mode switch	4822 277 20878						
SK-C	Push switch	4822 276 11157						
								
2010	Cer 5 pF 50 V	4822 122 40103				7011	CDG24	4822 130 30302
2050	Varicon	4822 125 20229				7012,7013	CDG00	4822 130 30302
2052,2053	Cer 30 pF 50 V	4822 122 40099				7014	1N60	4822 130 31012
2056	Cer 20 pF 50 V	4822 122 31226				7021,7022	1N60P	4822 130 30312
2057,2061	Cer 4 pF 50 V	4822 122 31043				7071,7072		
2502	Cer 40 nF 50 V	4822 122 40114				7073,7086	BA317	4822 130 30847
2062/02	Cer 20 pF 50 V	4822 122 31982				7090,7091		
			7081,7082					
			7083,7084	1N4001	4822 130 31438			
			7085,7088					
			7089					
			7087	BZX79/C11	4822 130 34488			
			7092	TLR206	4822 130 31246			
			7803	TLR4192	4822 130 31338			
								
5001	MW ant coil	4822 156 30713	7111,7112	ST1502CD	4822 130 41356			
5003	MW osc coil red	4822 156 30485	7151	BC549B	4822 130 40936			
5023	Fe ind 0.7 μH	4822 157 50791	7152	1402CD	4822 130 40937			
5041	IFT FM org	4822 156 30439	7171	1602C	4822 130 40962			
5042	IFT FM pink	4822 156 70057	7181	MPS9468T	4822 209 10494			
5043	IFT FM blue	4822 156 70056	7191	1602CD	4822 130 40962			
5046,5047	IFT AM white	4822 153 10373	7801	TEA5570	4822 209 81563			
5101	Mains transfo 	4822 146 30356	7802	MM5455N	4822 209 10105			
			7804	TA7313AP	4822 209 80411			

GB Because, generally speaking, MOS IC's are very sensitive to overload and too high voltages, measurements should be carried out with greatest possible care.
For further instructions, see the directions enclosed in the separate IC-packages.

F Parce qu'en général, les IC MOS sont très sensibles à la surcharge et à des tensions trop élevées, il faudra procéder aux mesures avec le plus grand soin.
Pour plus de détails, voir les instructions accompagnant l'emballage des IC.

I Dato che gli IC MOS sono molto sensibili alla sovracarica e alle tensioni troppo alte, occorrerà procedere alle misure con particolare cautela.
Per altu particolari riferirsi alla istruzioni comprese nell' imballaggio di ogni IC.

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.

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.

NL Omdat MOS IC's in het algemeen zeer gevoelig zijn voor overbelasting en te hoge spanning dient bij het meten de grootst mogelijke zorgvuldigheid in acht genomen te worden. Zie voor verdere instructies de bijsluiter in de verpakking van de IC's.

D Da MOS IC's im allgemeinen sehr empfindlich gegen Überbelastung und zu hohe Spannung sind, muss man beim Messen äusserst vorsichtig vorgehen.
Für weitere Weisungen siehe den beigegeführten Zettel in der Verpackung der IC's.

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.