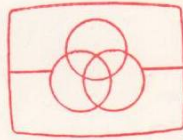


Clockradio D3090

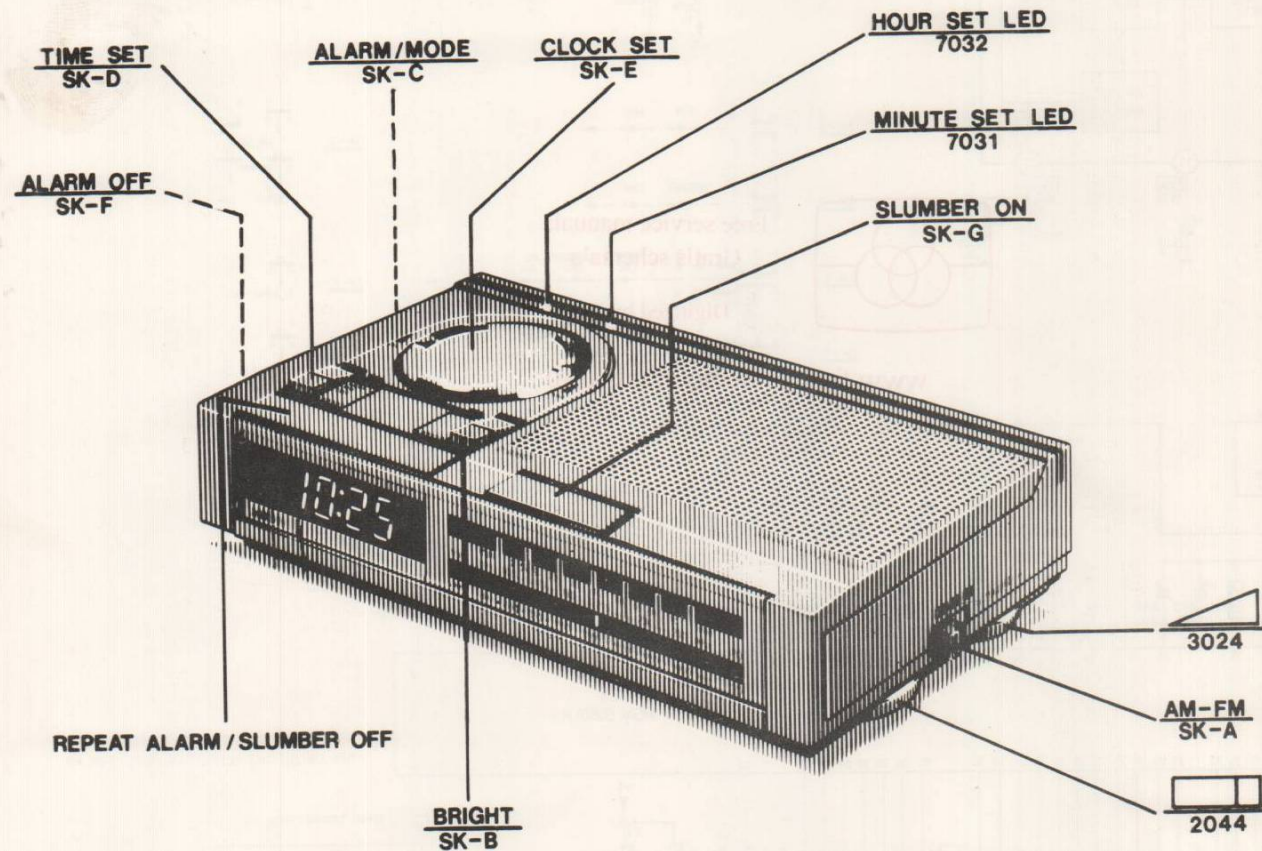
/00/01/02/10/11/14

Service
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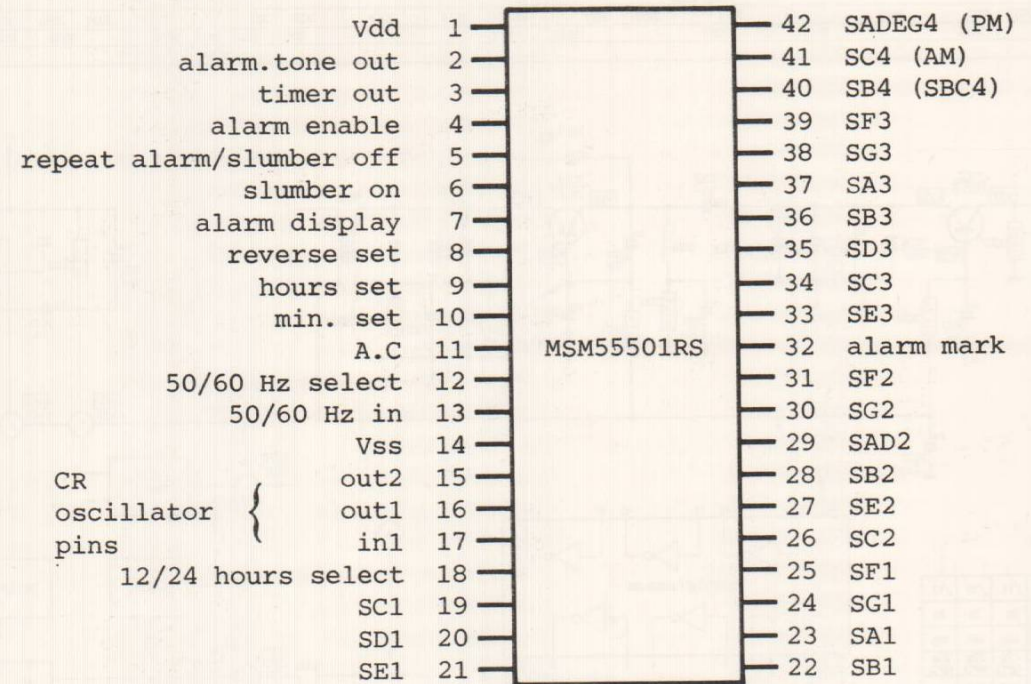
Service Manual



Specifications

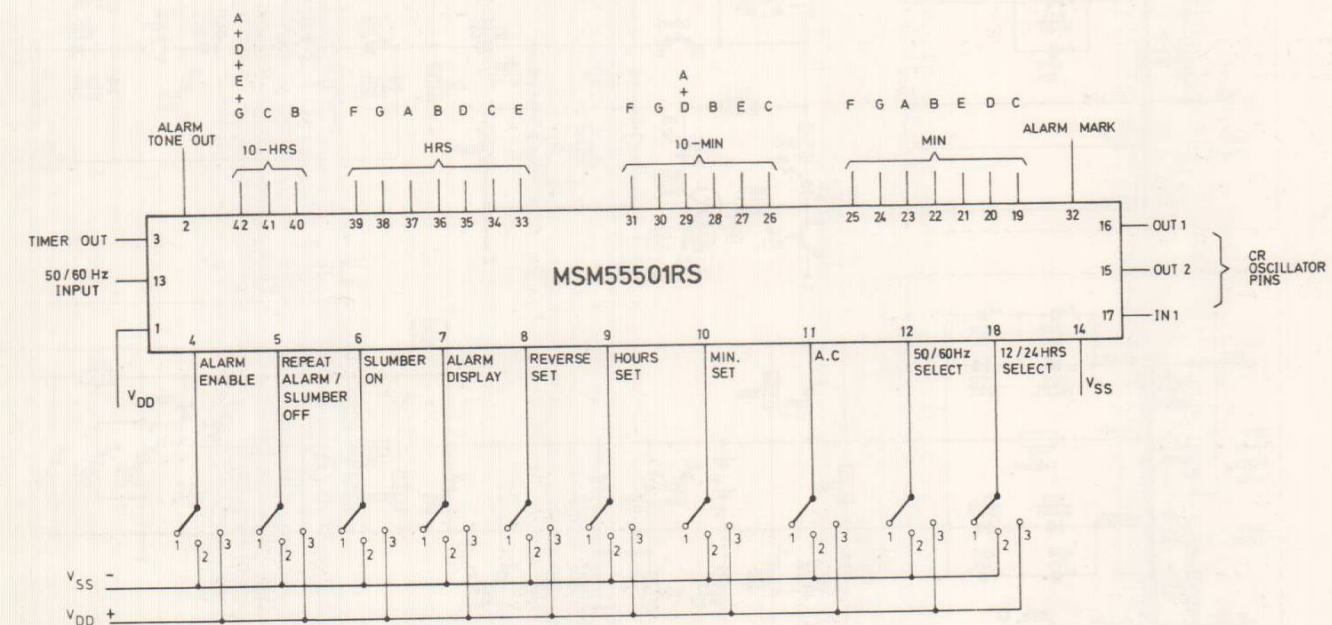
MW : 520-1605KHz (577-187m)
 FM : 87.5-108MHz
 IF-AM : 468KHz
 455KHz (-/01/10/11/17)
 IF-FM : 10.7MHz
 Output : 200mW $\pm$ 1dB (THD=10%)

Clock : 24hrs
 12hrs (-/01/10/11/17)
 Mains : 220V 50Hz
 240V 50Hz (-/10)
 120V 60Hz (-/17)
 Battery : 9V DC



SG3 means connect to the g segment of the 3rd digit (hrs).
 SAD2 means connect to the a and d segments of the 2nd digit (10min.).
 Functions in parentheses are used in the 12-hour system mode.

25292



Pt	4	5	6	7	8	9	10	11	12	18
1	—	—	—	—	UP	INHIBIT	INHIBIT	—	60 Hz	12 HOURS
2	ALARM ON	—	—	REAL TIME	UP	INHIBIT	INHIBIT	RESET	60 Hz	60 Hz
3	ALARM OFF	REPEAT ALARM / SLUMBER OFF	SLUMBER ON	ALARM TIME	DOWN	HOURLY SET	MINUTE SET	—	50 Hz	24 HOURS

25294

Documentation Technique Service Dokumentation Documentazione di Servizio Hulp-Ophje Manual de Servicio Manual de Servicio

Subject to modification

4822 725 20147

Printed in the Netherlands

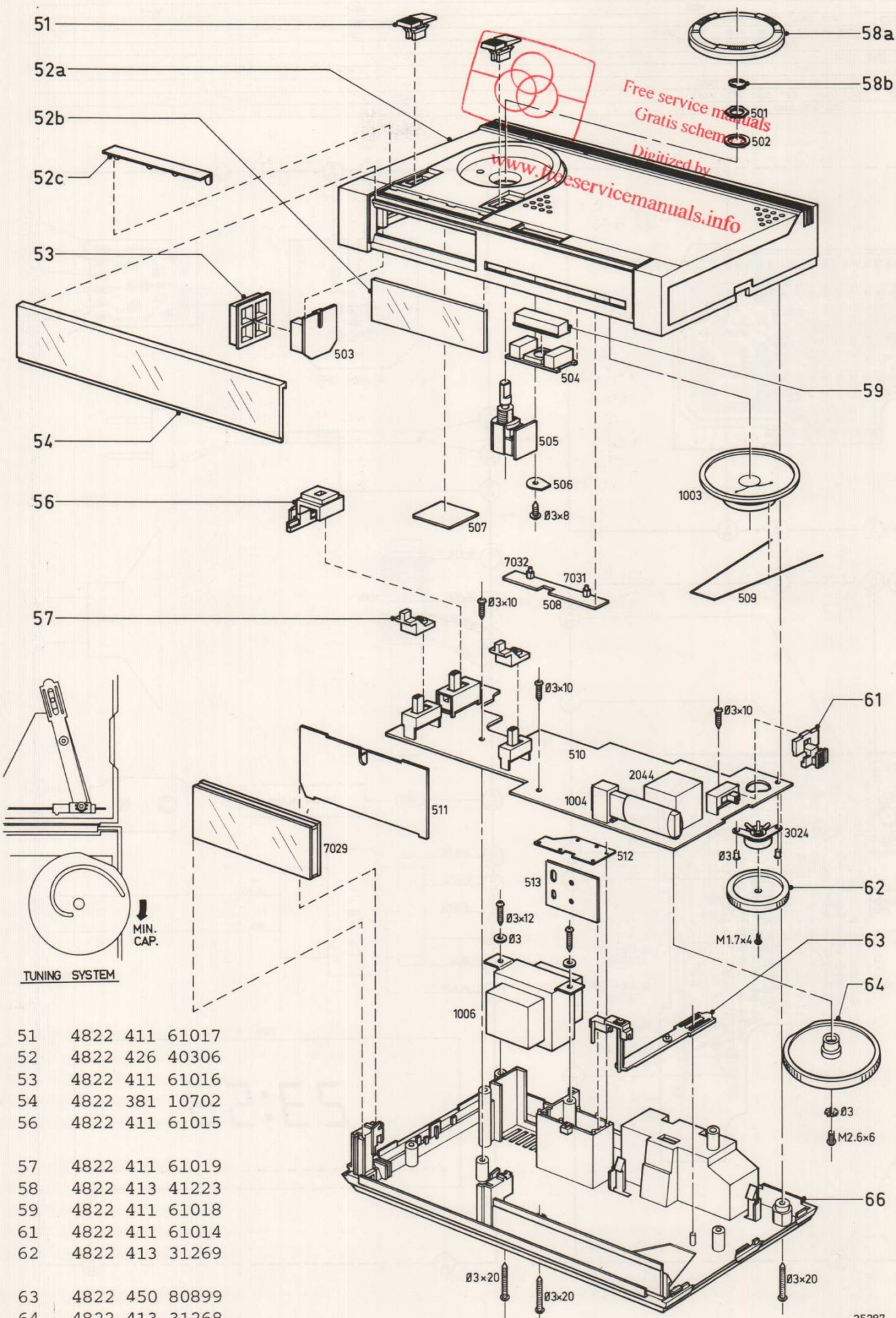
PHILIPS



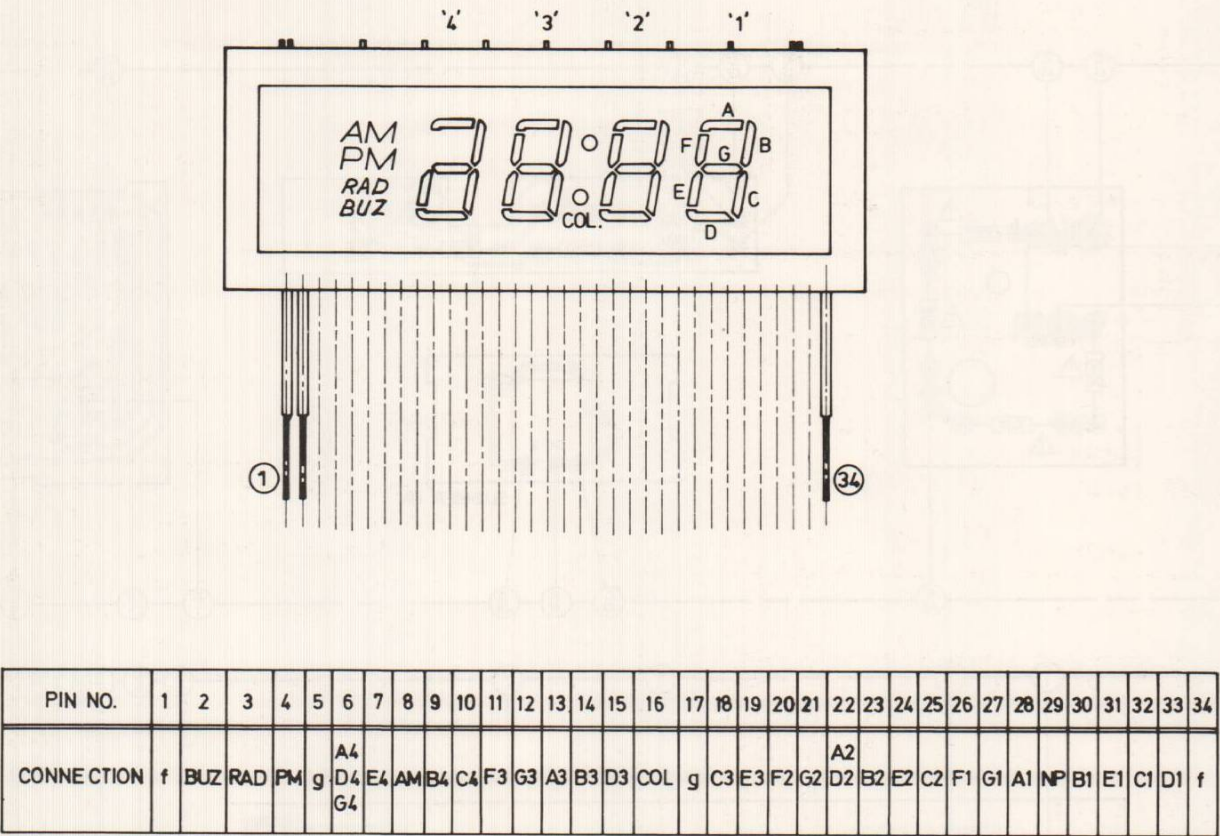
"Pour votre sécurité, ces documents
 doivent être utilisés par des spécia-
 listes agréés, seuls habilités à réparer
 votre appareil en panne".

25290

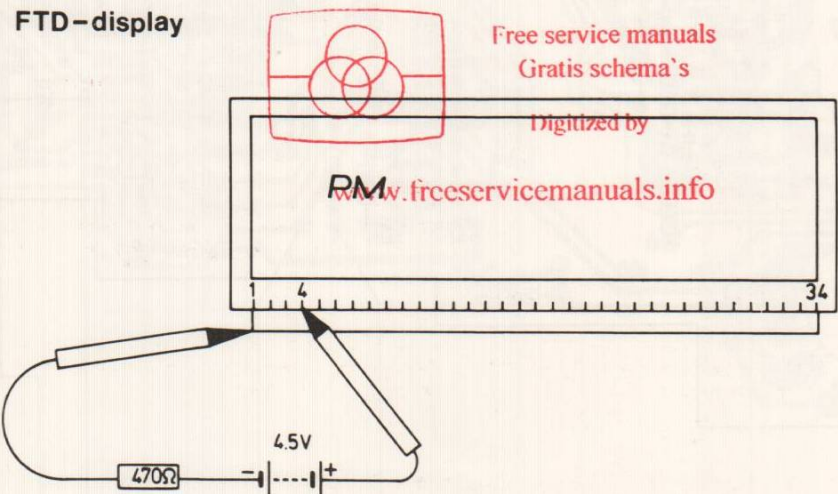
CS 94 596



FTD Diagram



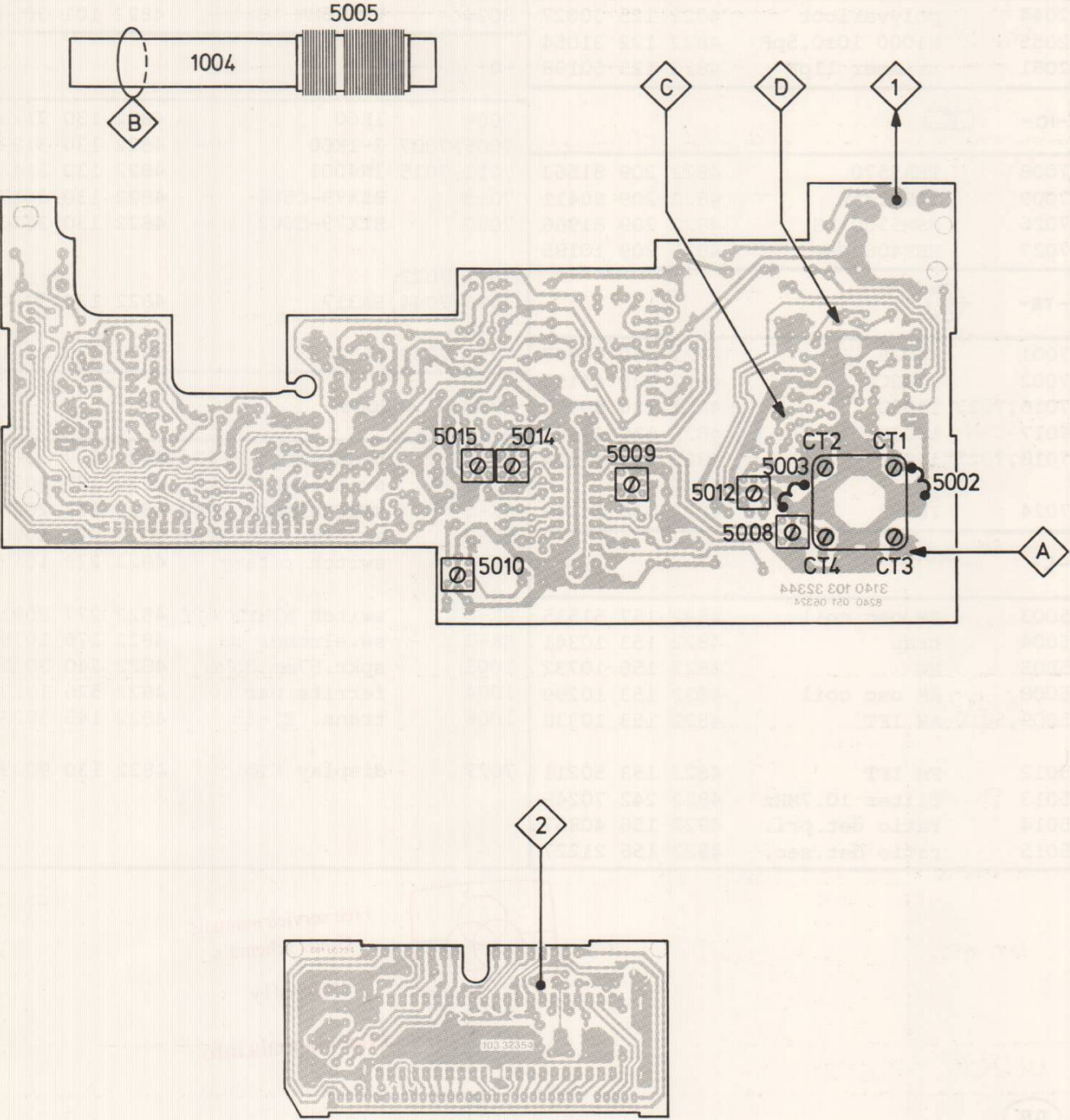
Check FTD-display



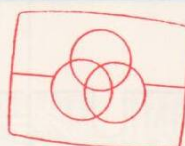
SK-A									
AM-IF									
MW	468 KHz ⁺ mod:1 KHz 30%		min		5009 5010				max
AM-RF									
MW	512 KHz mod:1 KHz 30%		max		5008				max
520-1605 KHz	1635 KHz mod:1 KHz 30%		min		CT4				
	550 KHz mod:1 KHz 30%				5005				
	1500 KHz mod:1 KHz 30%				CT3				
FM-IF									
FM	≈10,7 MHz f=300 KHz (50 Hz)	 via 10nF	min		5012 5014 5015 5015 5014				max
								symmetrical 	
FM-RF									
FM	86,5 MHz mod:1 KHz f=22,5 KHz		max		5003				max
87,5-108 MHz	109 MHz mod:1 KHz f=22,5 KHz		min		CT2				
AFC off	88 MHz mod:1 KHz f=22,5 KHz				5002				
	106 MHz mod:1 KHz f=22,5 KHz				CT1				
CLOCK FREQUENCY									
AC=0V,DC=9V					2081		f =	32.7 KHz ±200 Hz	

Repeat

+ for -/01/10/11/17 IF=455 KHz



-C- 			-R- 		
2044	polyvaricor	4822 125 30027	3024	VR 16MM 10KA	4822 101 30504
2055	N1000 10±0.5pF	4822 122 31054	-D- 		
2081	trimmer 11pF	4822 125 50198			
-IC- 			7004	1K60	4822 130 31232
7008	TEA5570	4822 209 81563	7005÷7007	2-1K60	4822 130 31232
7009	TA7313AP	4822 209 80411	7011÷7015	1N4001	4822 130 31438
7026	MSM55501RS	4822 209 81966	7019	BZX79-C5V6	4822 130 34173
7027	HEF4069UBP	4822 209 10185	7020	BZX79-C6V2	4822 130 34167
-TS- 			7021,7022	}BA317	4822 130 30847
7001	1502B	4822 130 40947	7036÷7044		
7002	1502C	4822 130 44195	7046		
7016,7023	1402D	4822 130 40937	7031,7032	TLR226	4822 130 31516
7017	1802M	4822 130 44104	-MISCELLANEOUS-		
7018,7025	1602D	4822 130 41434			
7024	1402E	4822 130 44196	SK-A	bandswitch 2P2T	4822 277 20696
-L- 			SK-B	switch MBC 2P2T	4822 277 20915
5003	FM osc coil	4822 157 51535	SK-C	switch mode 2P4T	4822 277 20781
5004	trap	4822 153 10341	SK-D	sw.time set 2P3T	4822 277 20903
5005	MW	4822 156 10732	SK-E	switch rotary	4822 273 10131
5008	AM osc coil	4822 153 10299	SK-F	switch alarm off	4822 277 20914
5009,5010	AM IFT	4822 153 10338	SK-G	sw.slumber on	4822 276 10799
5012	FM IFT	4822 153 50211	1003	spkr.57mm,8ohm	4822 240 30215
5013	filter 10.7MHz	4822 242 70249	1004	ferrite bar	4822 526 10176
5014	ratio det.pri.	4822 156 40857	1006	trans. EI-35	4822 145 30262
5015	ratio det.sec.	4822 156 21227	7029	display FTD	4822 130 90099



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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.