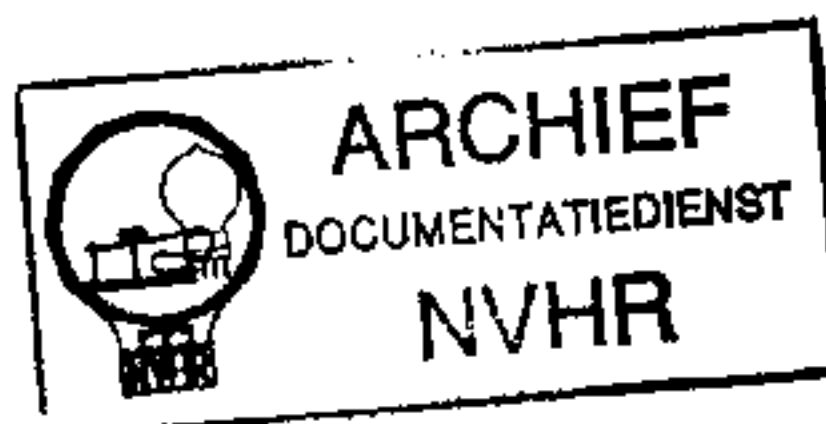


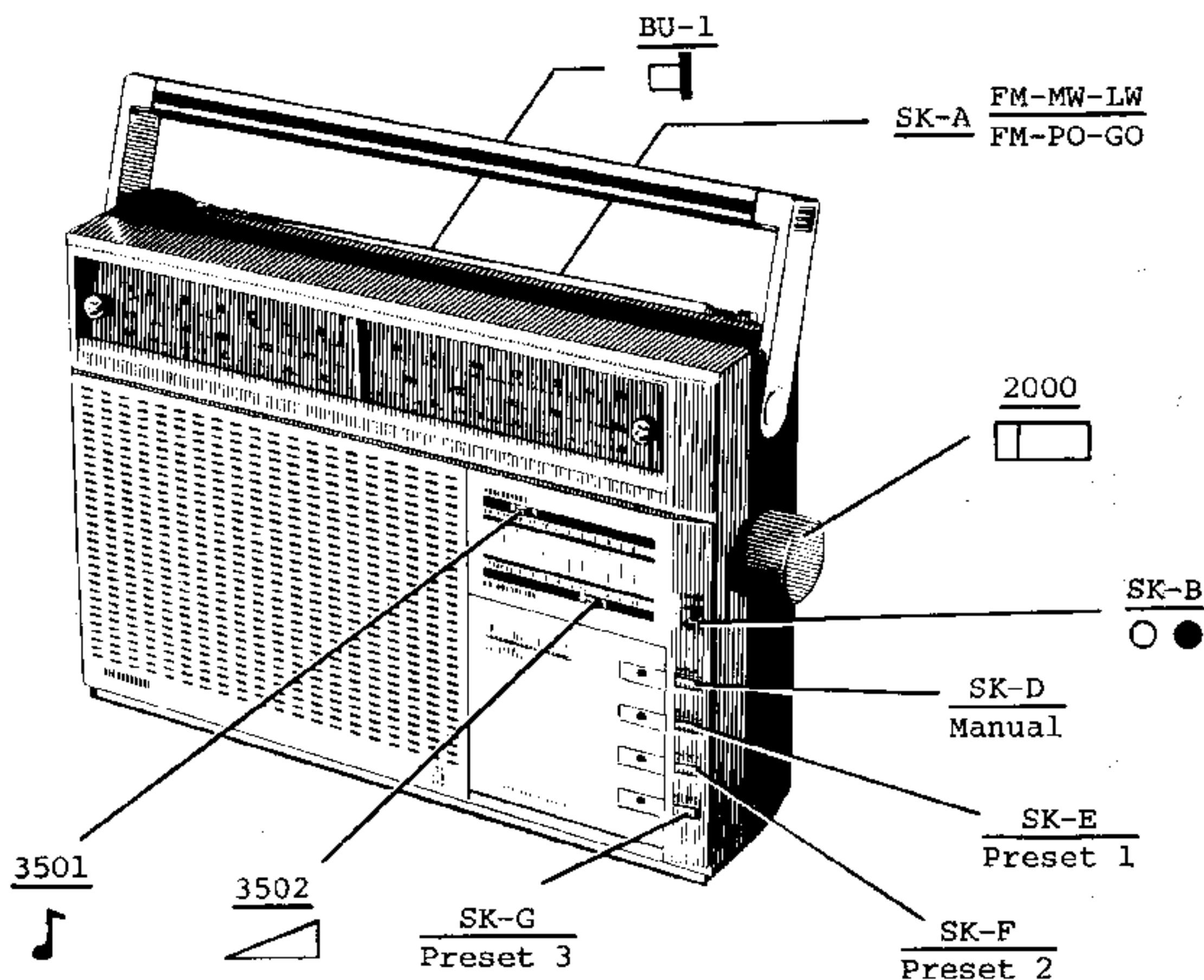
Service
Service
Service

Met dank aan www.radiomuseum-hengelo.nl

Ned. Ver. v. Historie v/d Radio



Service Manual



LW/GO : 150-255KHz (2000-1177m)
 MW/PO : 520-1605KHz (577-187m)
 FM : 87.5-108MHz
 IF/FI AM : 468KHz
 IF/FI FM : 10.7MHz

SUPPLY/SECTEUR : 110-127/220-240V~
 : 6V(4xR14)
 OUTPUT/SORTIE : 500mW±1dB(d=10%)~
 : 400mW±1dB(d=10%)

Documentation Technique Service Dokumentation Documentazione di Servizio Huolto-Ohje Manual de Servicio Manual de Servicio



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

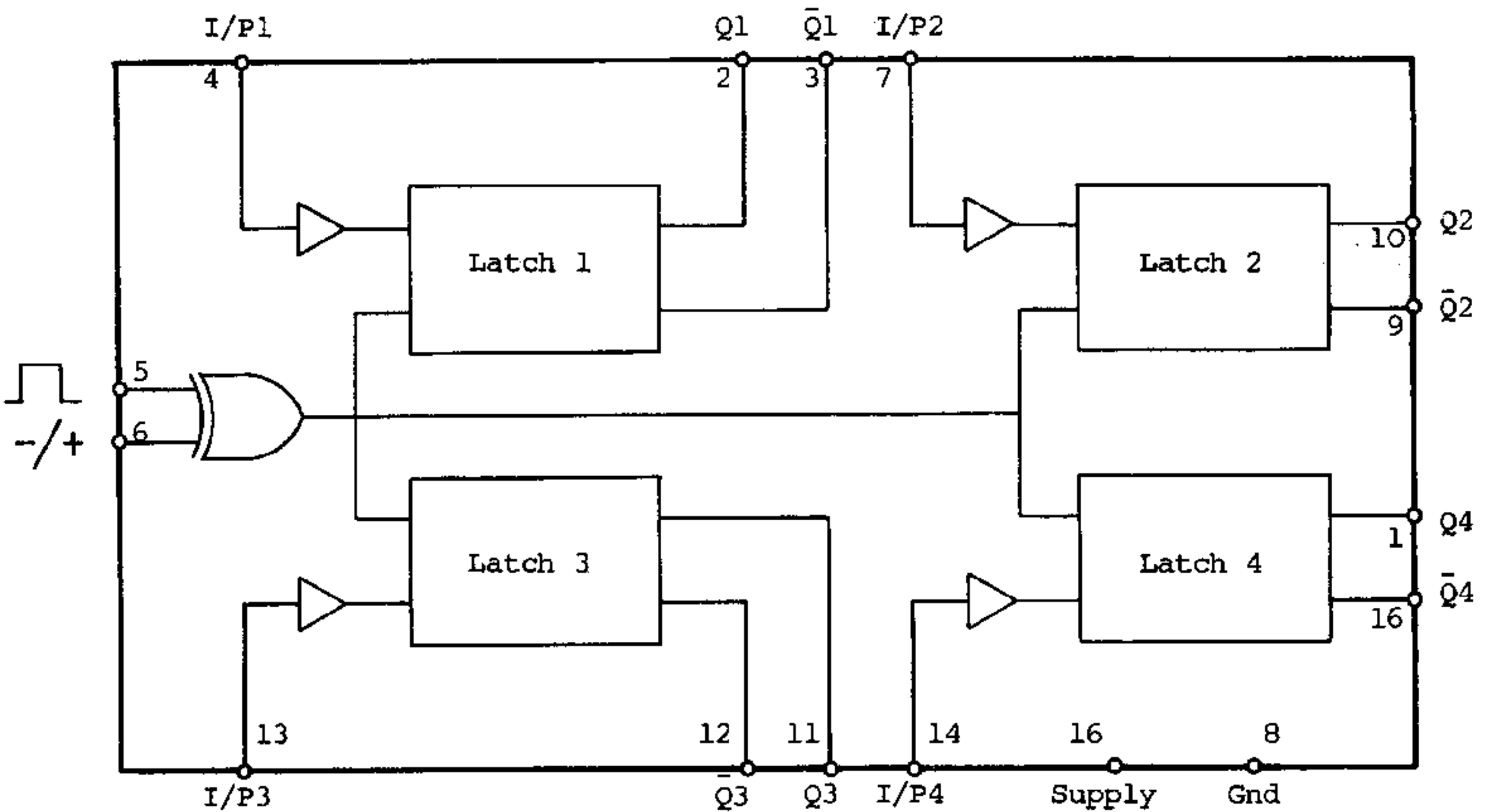
Subject to modification

4822 725 14396

Printed in The Netherlands

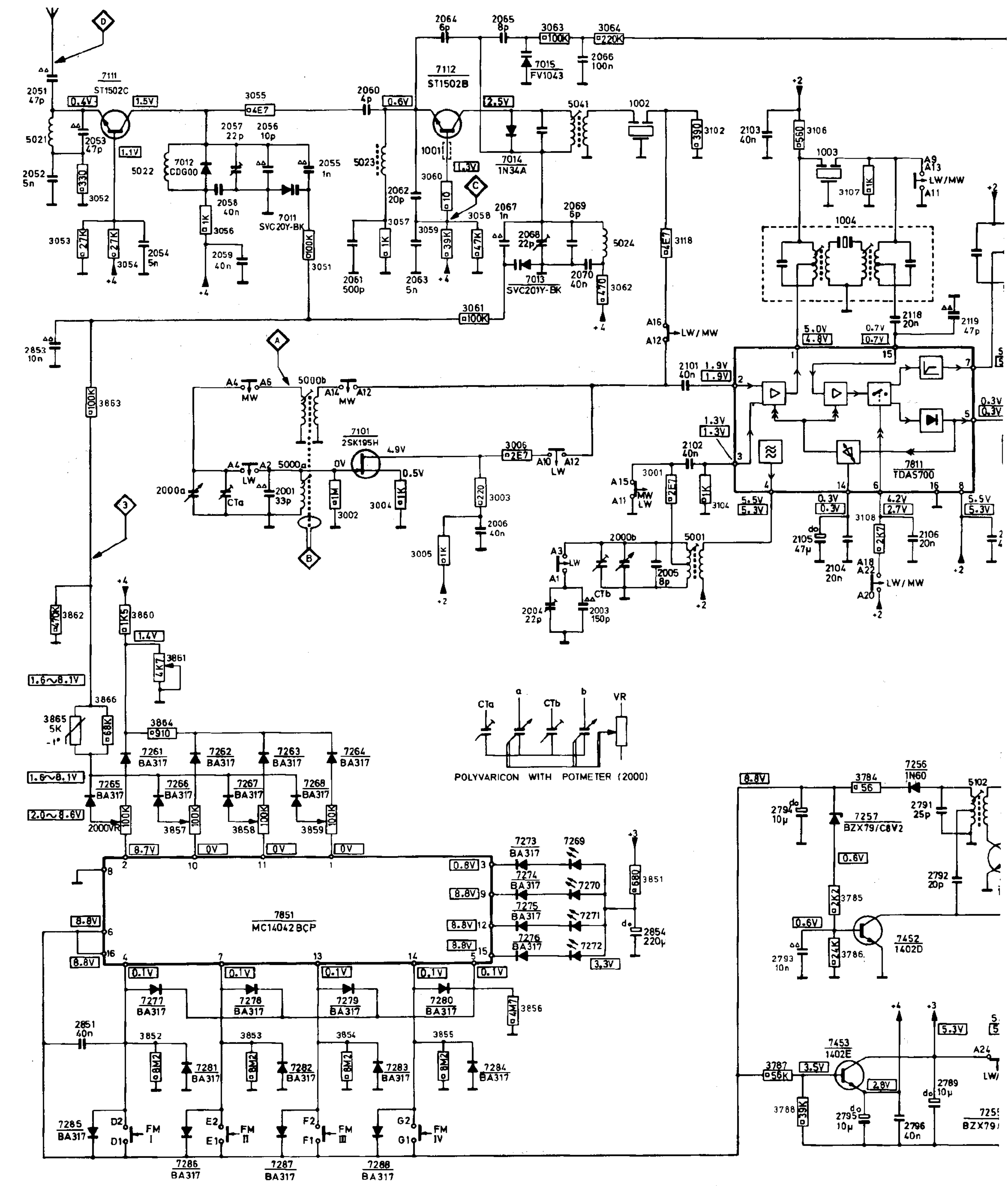
PHILIPS

MC14042B



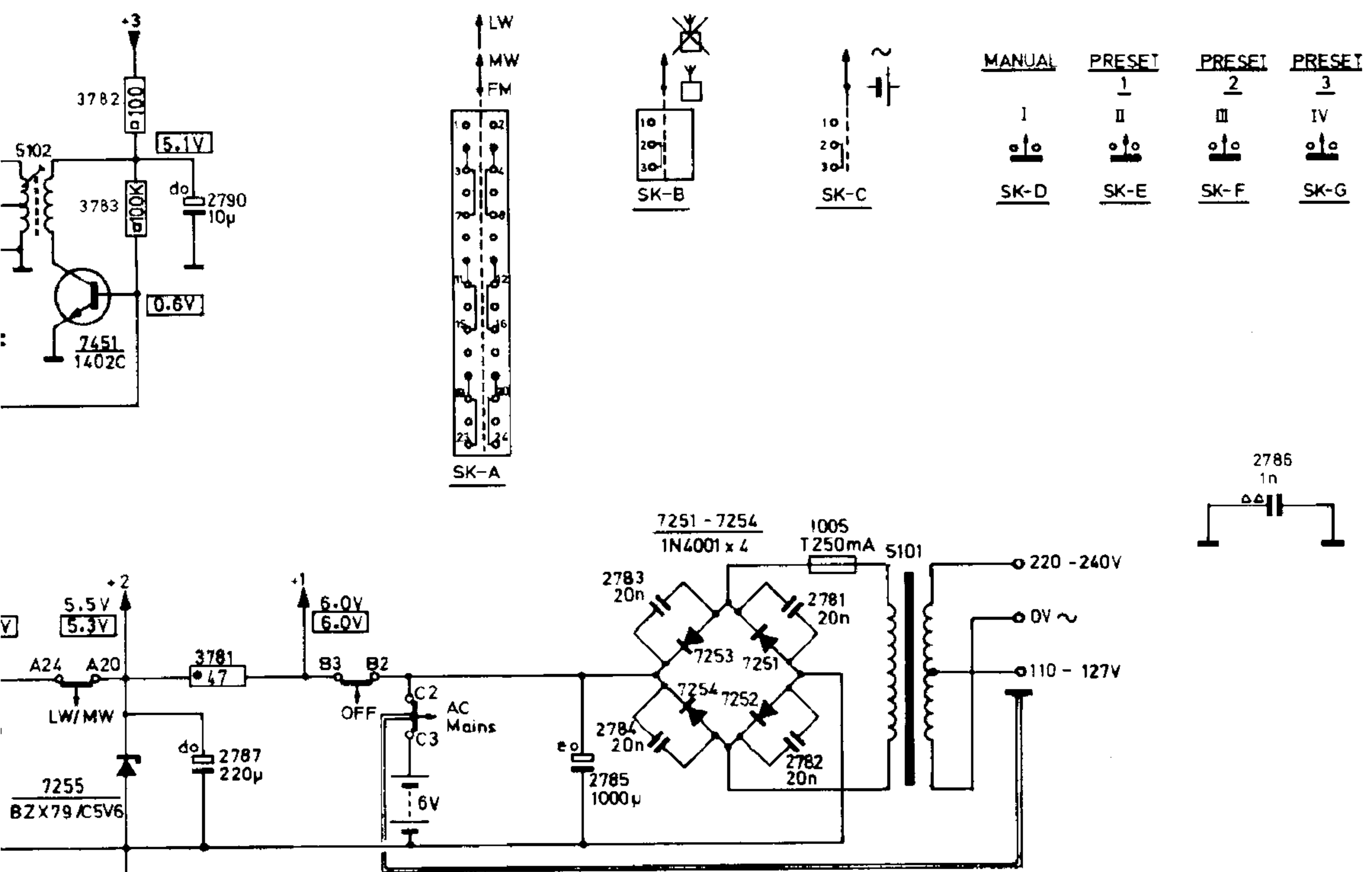
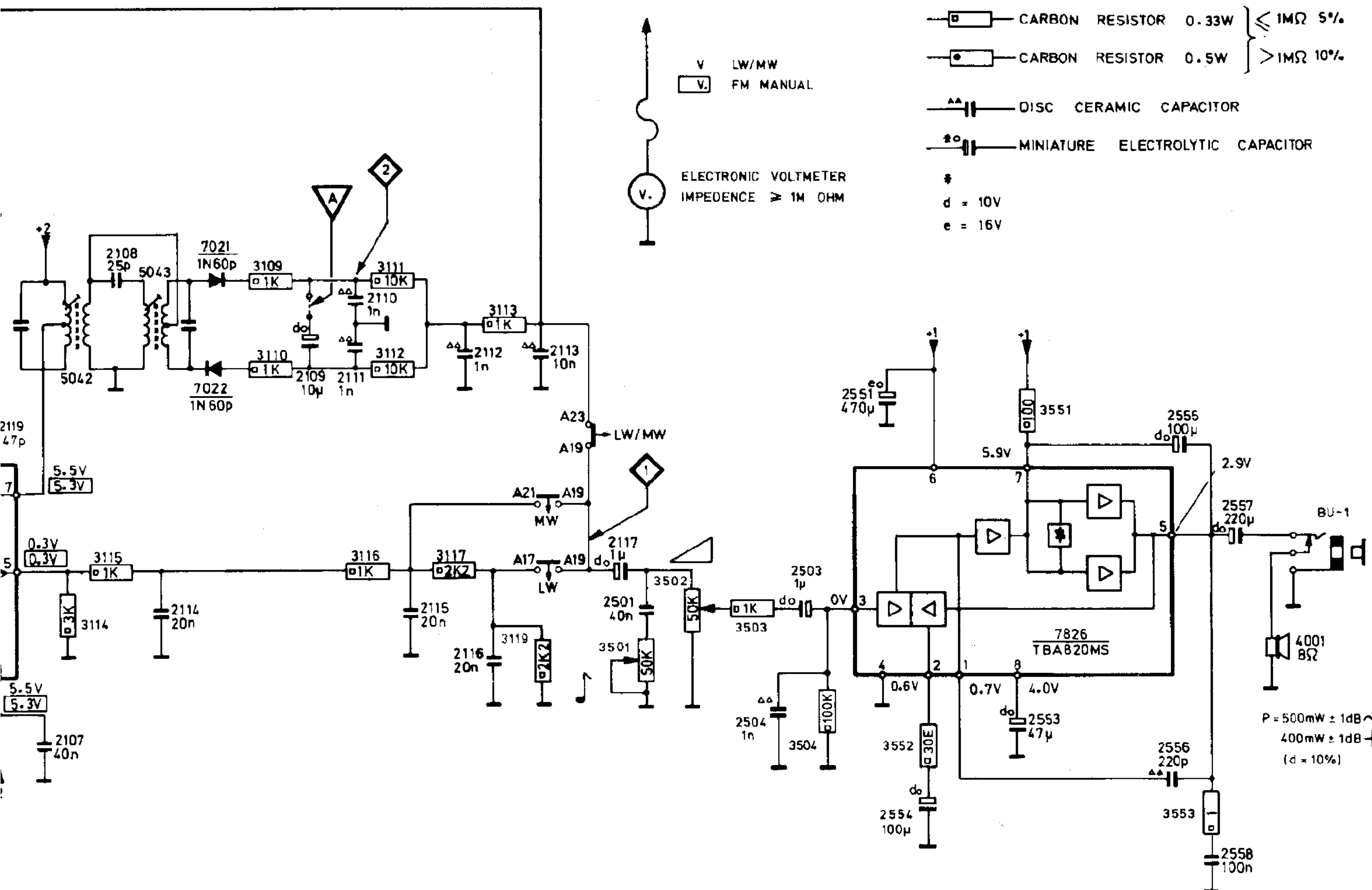
26029

Misc.	5021	7111	7286	5022	7261+7268	7287	7011	7851	7101	7288	7112	1001	7013	7015	5041	5024	1002	5001	1003	1004	7811	50					
	7285	7277	7281	7012	7278	7282	5000	7279	5023	7283	7280	7284	7014	7259+7276					7257	7453	7452	7256	5102				
Cap.	2051	2851	2053	2054	2058	2057	2056	2055	2060	2062	2064	2065	2068	2066	2005	2101	2103	2794	2104	2795	2106	2791	2119	21			
	2052	2853			2059	2001			2061	2063	2005	2067	2004	2069	2070	2854	2102	2854	2793	2105	2796	2118	2789	2792			
Res.	3862	3865	3866	3054	3852	3864	3056	3853	3055	3051	3854	3057	3005	3060	3061	3058	3856	2003	3062	3851	3001	3102	3106	3785	3107	3108	311
	3053	3052	3863	3860	3861	3857	3858	3859	3002	3004	3855	3059	3003	3006	3063	3064	3118	3104	3787	3788	3786	3784	378				

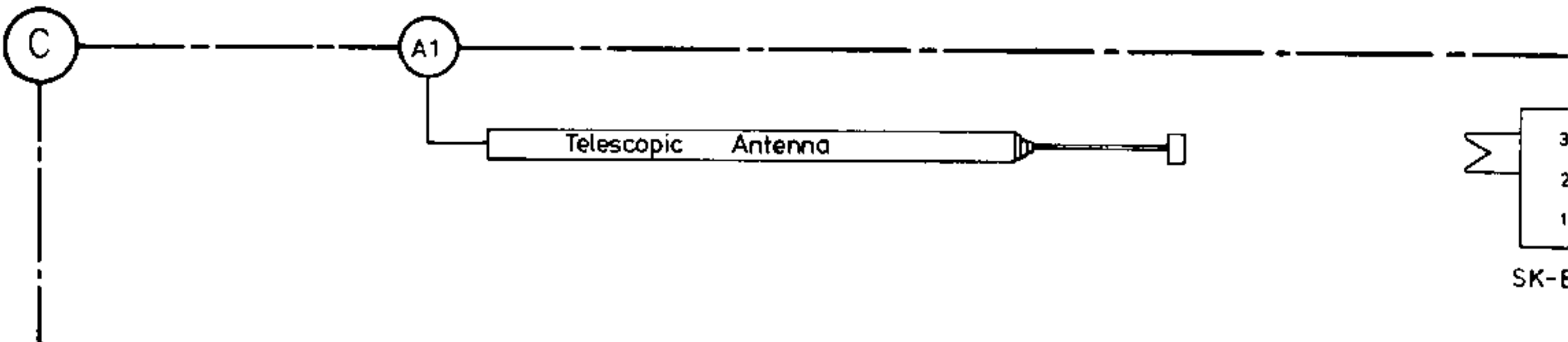
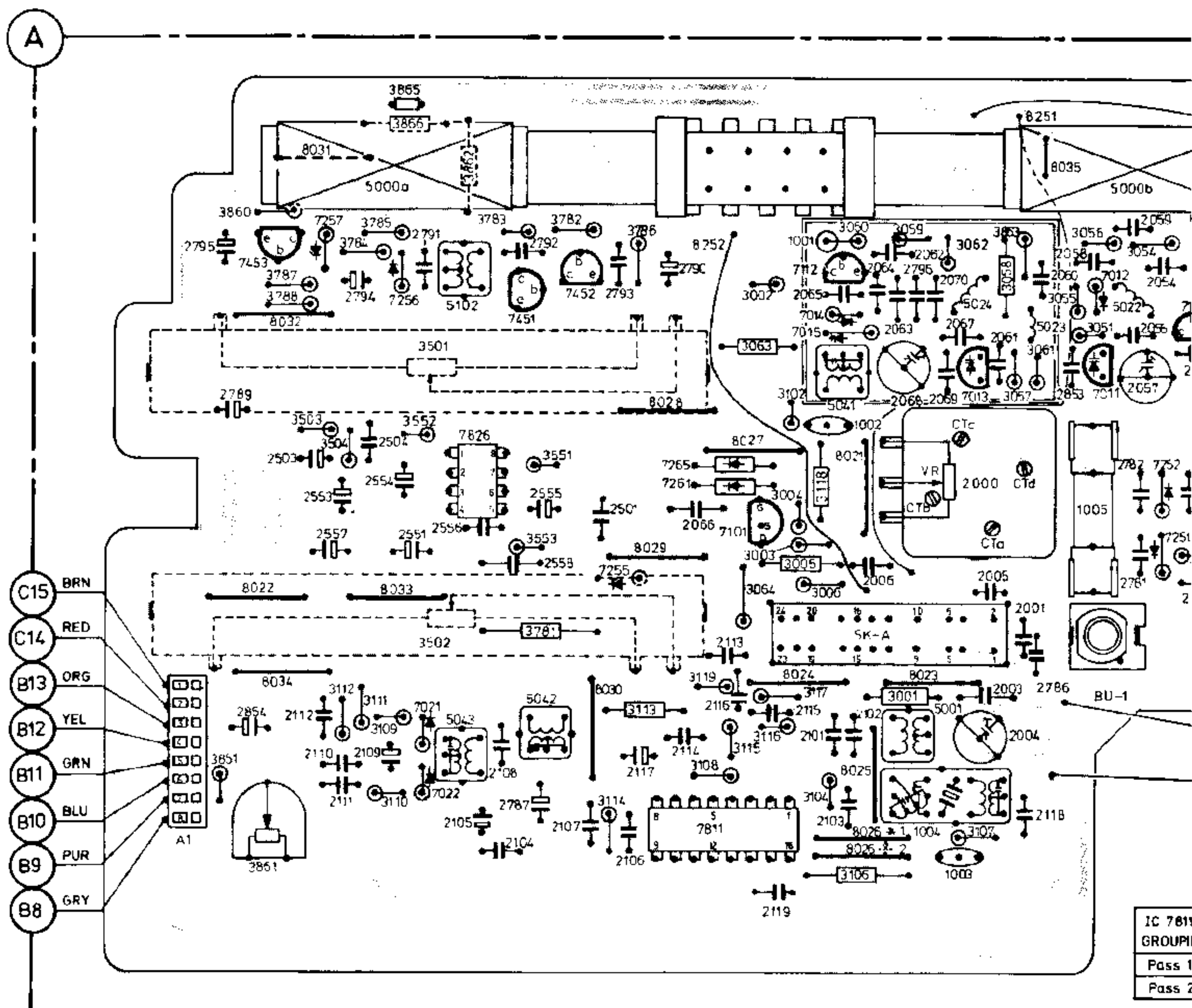


THE CIRCUIT HAS BEEN DRAWN IN

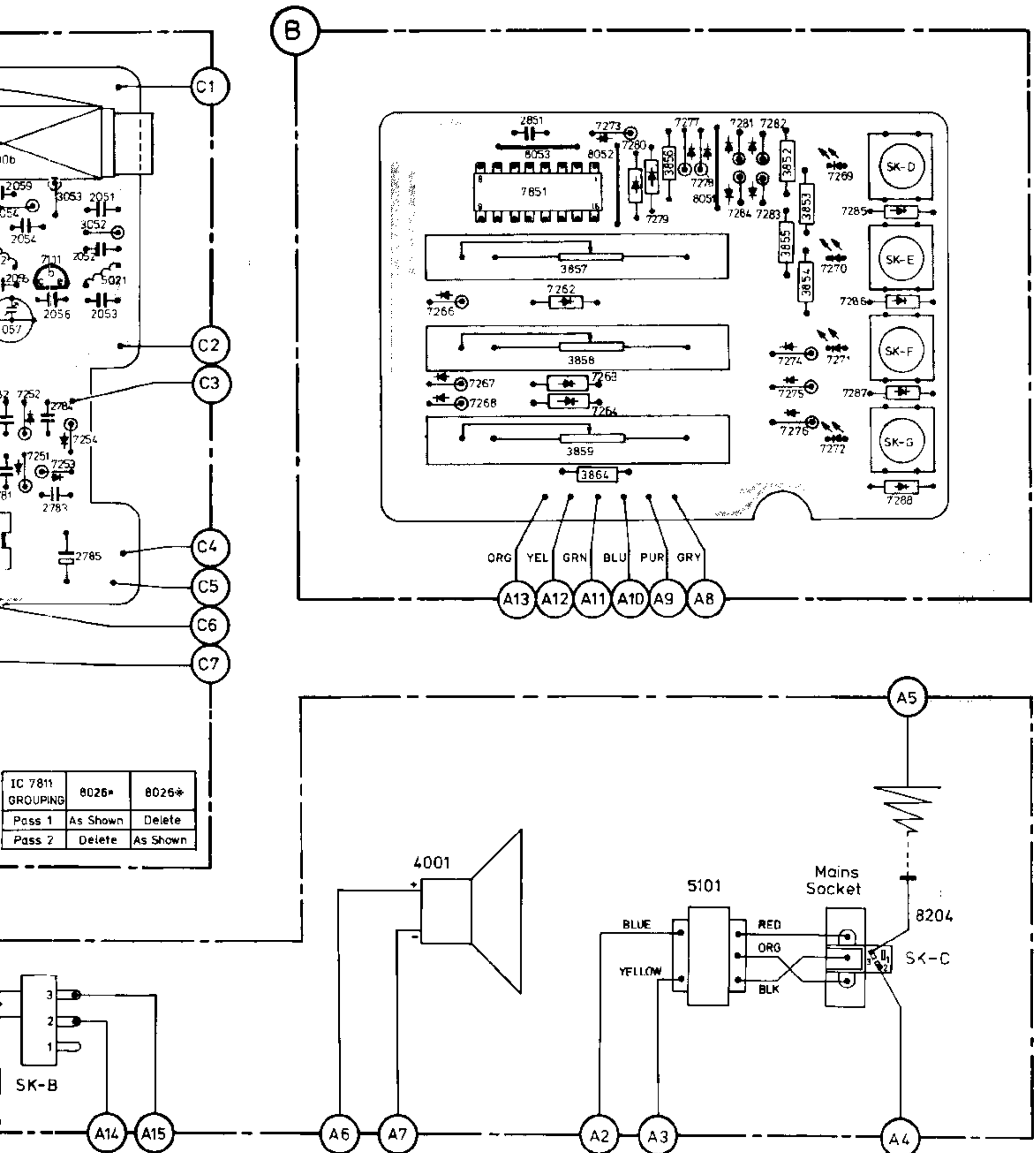
5042	7451	5043	7021	1005	5101	7826	4001								
5102	7255	7022	7251+7254				BU-1								
2119	2107	2108	2114	2109	2110	2112	2116	2113	2117	2503	2551	2786	2553	2555	2557
792	2790	2787		2111	2115	2785	2781+2784	2501		2504		2554		2556	2558
3114	3115		3109	3116	3111	3117	3113	3119	3501	3502	3503	3504	3552	3551	3553
3783	3782	3781	3110	3112											



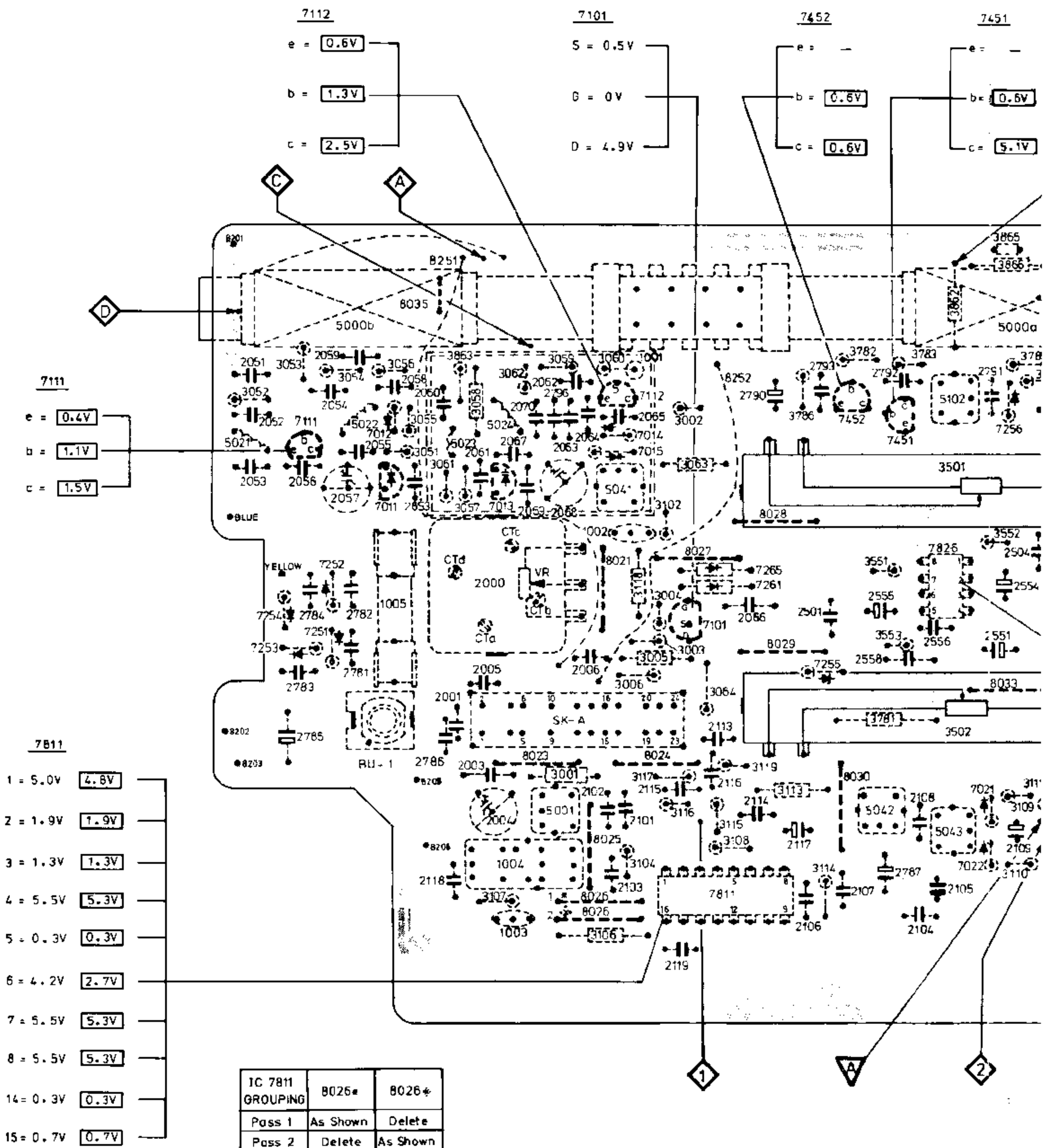
Misc.	8022	8032	7021	7022	5043	5042	8030	8028	7811	7101	8024	1002	8025	5001	8023	5023	1005	5000b	711			
	7453	8031	5000a	8033	5102	7451	7255	7261	8251	1001	7112	5041	8026	1004	5024	8251	7011	5022				
	8034	7257	7256	7826	7452	8029	8252	7255	8027	7014	7015	8021	1003	7013	8035	7012	BU-1	725				
Cap.	2795	2557	2794	2554	2556	2108	2792	2501	2790	2066	2115	2119	2065	2068	2796	2067	2001	2118	2058	2059	20	
	2789	2503	2553	2504	2551	2105	2558	2555	2793	2114	2113	2102	2062+2064	2070	2003+2005	2853	2057	2781+2				
	2854	2112	2110	2111	2109	2791	2104	2787	2107	2106	2117	2116	2101	2103	2006	2069	2000	2061	2060	2786	2055	20
Res.	3851	3787	3504	3111	3865	3501	3783	3551	3782	3786	3119	3002	3116+3118	3060	3059	3058	3061	3055	3054			
	3860	3788	3112	3785	3109	3552	3862	3553	3113	3108	3063	3102	3104	3106	3062	3863	3051			305		
	3861	3503	3784	3866	3110	3502	3781	3114	3115	3064	3003+3006	3001	3107	3057				3056				



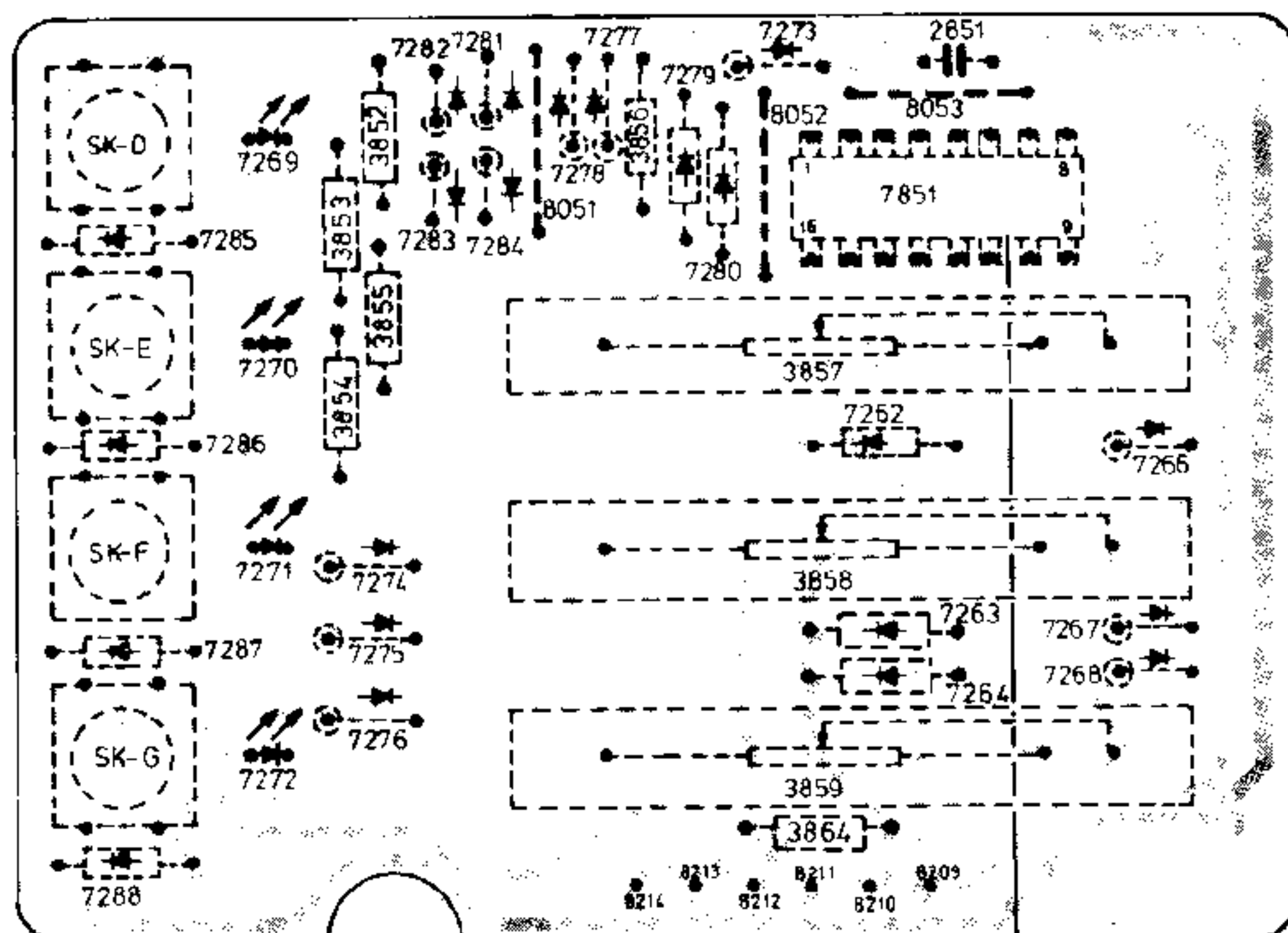
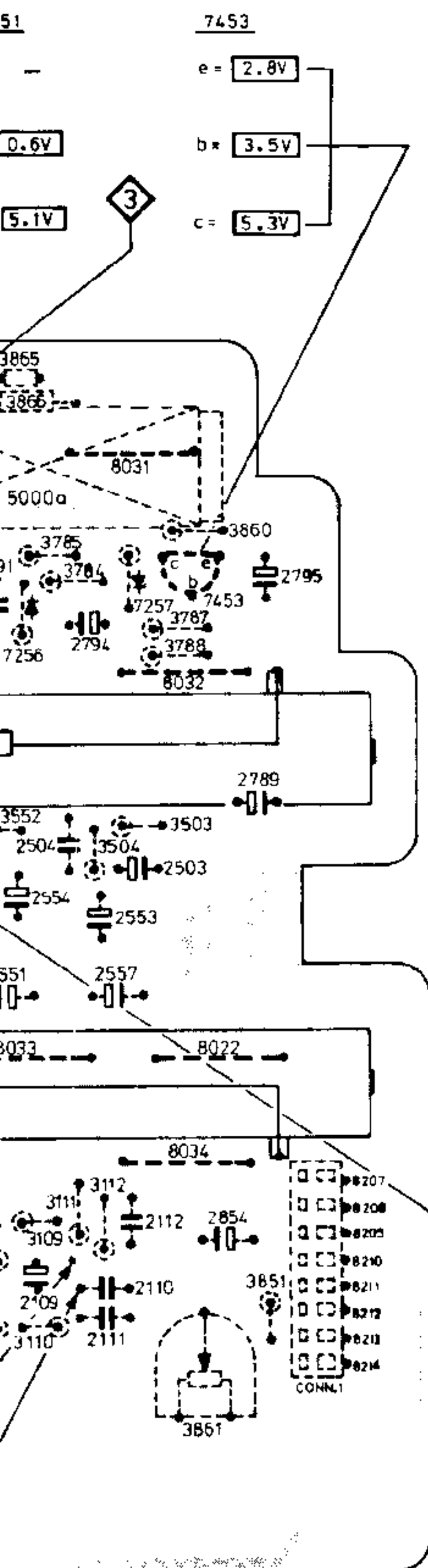
006 7111			8053	8052	8051		
2	5021		4001	7651	7273	7281+7284	7269+7272
-1	7251+7254		7266+7268	7262+7264	7277+7280	5101	7274+7276
059	2056	2051					7285+7288
	2781+2784	2052		2851			
2055	2054	2053	2785				
054	3052			3857	3864	3856	3852
	3053			3858			3853
							3855
							3854
							3859



Misc.	7111	5000b	1005	5023	8023	5001	8025	1002	8024	7101	7811	8028	8030	5042	5043	7022	7021		
	5021	5022	7011	8251	5024	1004	8026	5041	7112	1001	8251	7261	7255	7451	5102	8033	500		
	7251+7254	BU-1	7012	8035	7013	1003	8021	7015	7014	8027	7265	8252	8029	7452	7826	7256			
Cap.	2051	2056	2059	2058	2118	2001	2067	2796	2068	2065	2119	2115	2066	2790	2501	2792	2108	2558	2554
	2052	2781+2784	2057	2853	2003+2005	2070	2062+2064	2102			2113	2114	2793	2555	2558	2105	2551	2501	2501
	2785	2053	2054	2055	2786	2060	2061	2000	2069	2006	2103	2101	2116	2117	2106	2107	2787	2104	2791
Res.	3052	3054	3055	3061	3058		3059	3060	3116+3118	3002	3119	3786	3782	3551	3783	3501	3865		
	3053		3051	3063	3062		3106	3104	3102	3063	3108	3113		3553	3862	3552	3109		
		3056		3057	3107	3001	3003+3006	3064	3115			3114		3781	3502	3110	3866		

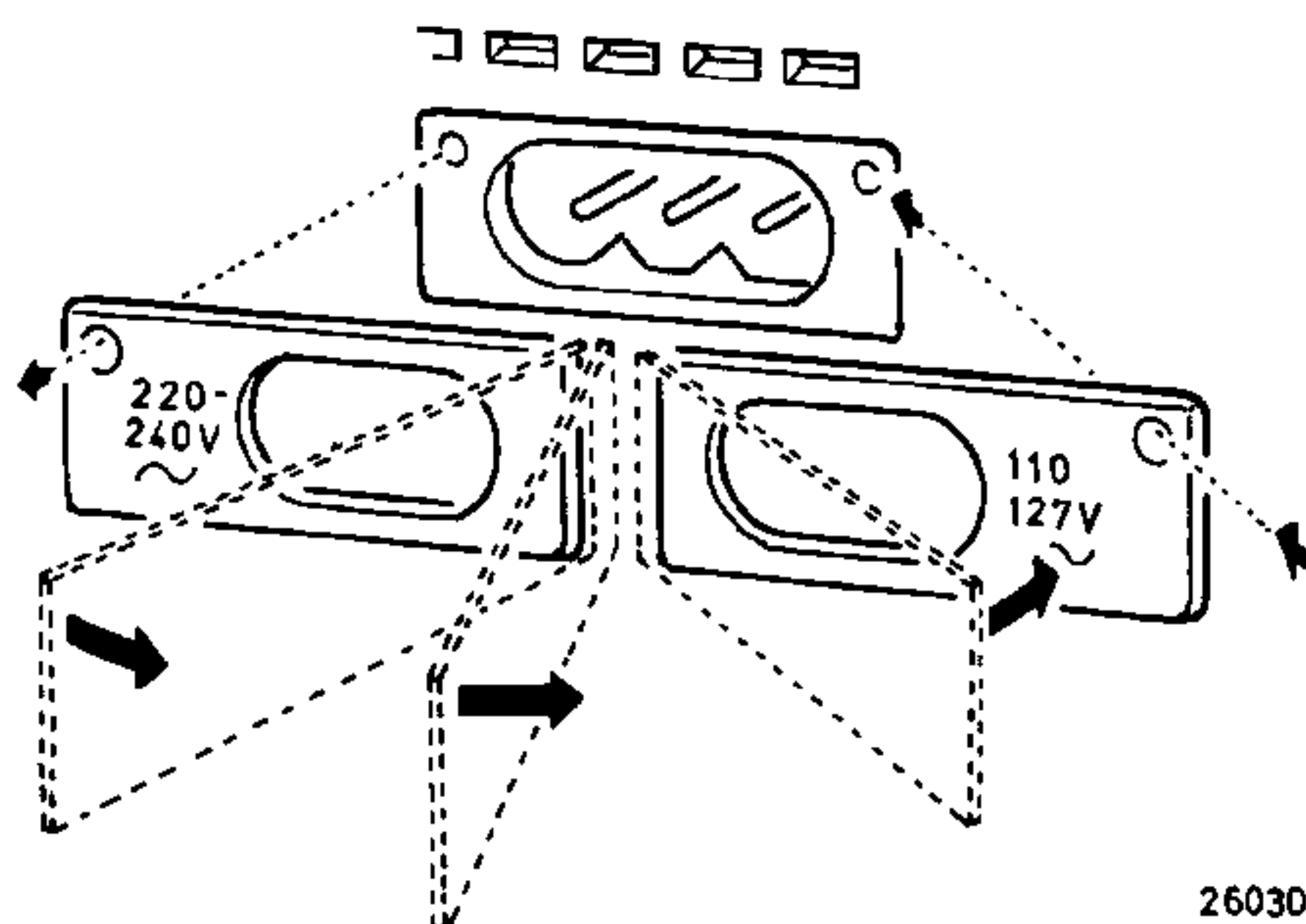
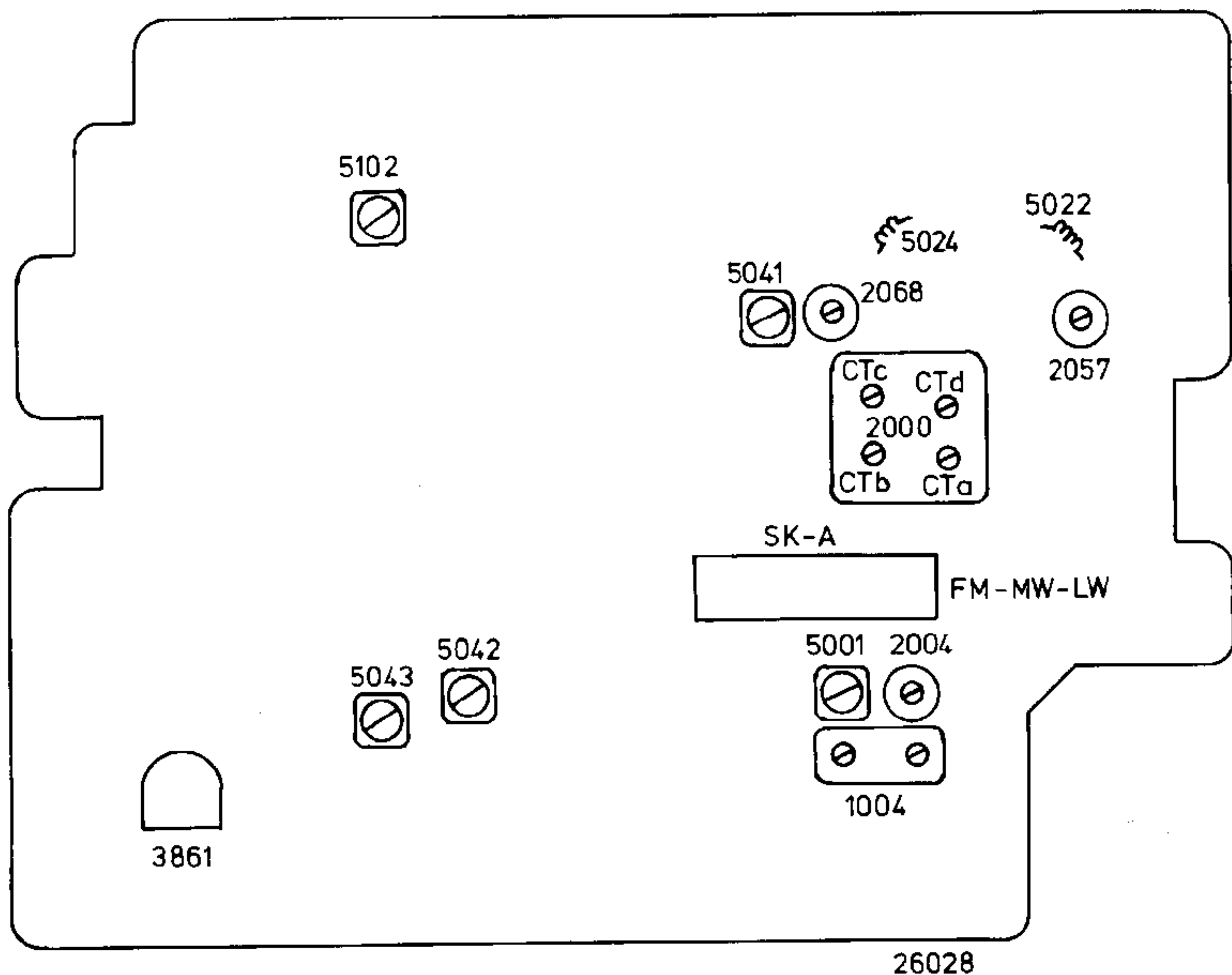
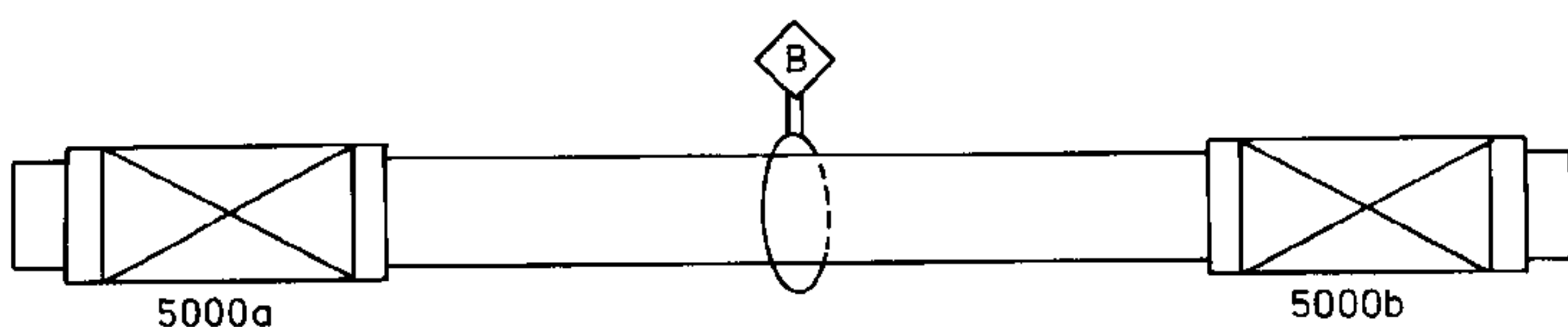


7021	8032	8022		8051	8052	8053			
033 5000a	8031 7453		7269÷7272	7281÷7284	7273	7851			
7256	7257	8034	7285 + 7288	7274 ÷ 7276	7277 ÷ 7280	7262 ÷ 7264	7266 + 7268		
2554	2794	2557	2795						
51	2504	2553	2503	2789		2851			
2109	2111	2110	2112	2854					
3865	3111	3504	3787	3851	3853	3852	3856	3864	3857
3109	3785	3112	3788	3860	3854	3855		3858	
10	3866	3784	3503	3861				3859	



- 7826
- 1 = 0.7V
 - 2 = 0.6V
 - 3 = 0V
 - 5 = 2.9V
 - 6 = 6.0V
 - 7 = 5.9V
 - 8 = 4.0V

- 7851
- 1 = 0V
 - 2 = 8.7V
 - 3 = 0.8V
 - 4 = 0.1V
 - 5 = 0.1V
 - 6 = 8.8V
 - 7 = 0.1V
 - 8 = —
 - 9 = 8.8V
 - 10 = 0V
 - 11 = 0V
 - 12 = 8.8V
 - 13 = 0.1V
 - 14 = 0.1V
 - 15 = 8.8V
 - 16 = 8.8V



SK-A							
MW/PO	468 kHz		Min cap		1004		
520-1605 kHz	512 kHz		Max cap		5001		Max
	1635 kHz		Min cap		CTb		
	600 kHz				5000b		
	1400 kHz				CTa		
LW/GO	147 kHz		Max cap		2004		Max
150-255 kHz	200 kHz				5000a		
FM			Max cap		3861		
87.5-108 MHz	10.7 MHz	 via 22nF	Min cap	5043	5041		
					5042		
					5043		
	86.5 MHz	 via 10nF +15ohm	Max cap		5024		Max
					5022		
	109 MHz		Min cap		2068		
					2057		

↑
Repeat
↓

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

GB

- Adjust for sym. and max. height.
- Adjust the S-curve for sym. and max. linearity with close.
- Adjust to 1.6 ± 0.01 Volts.

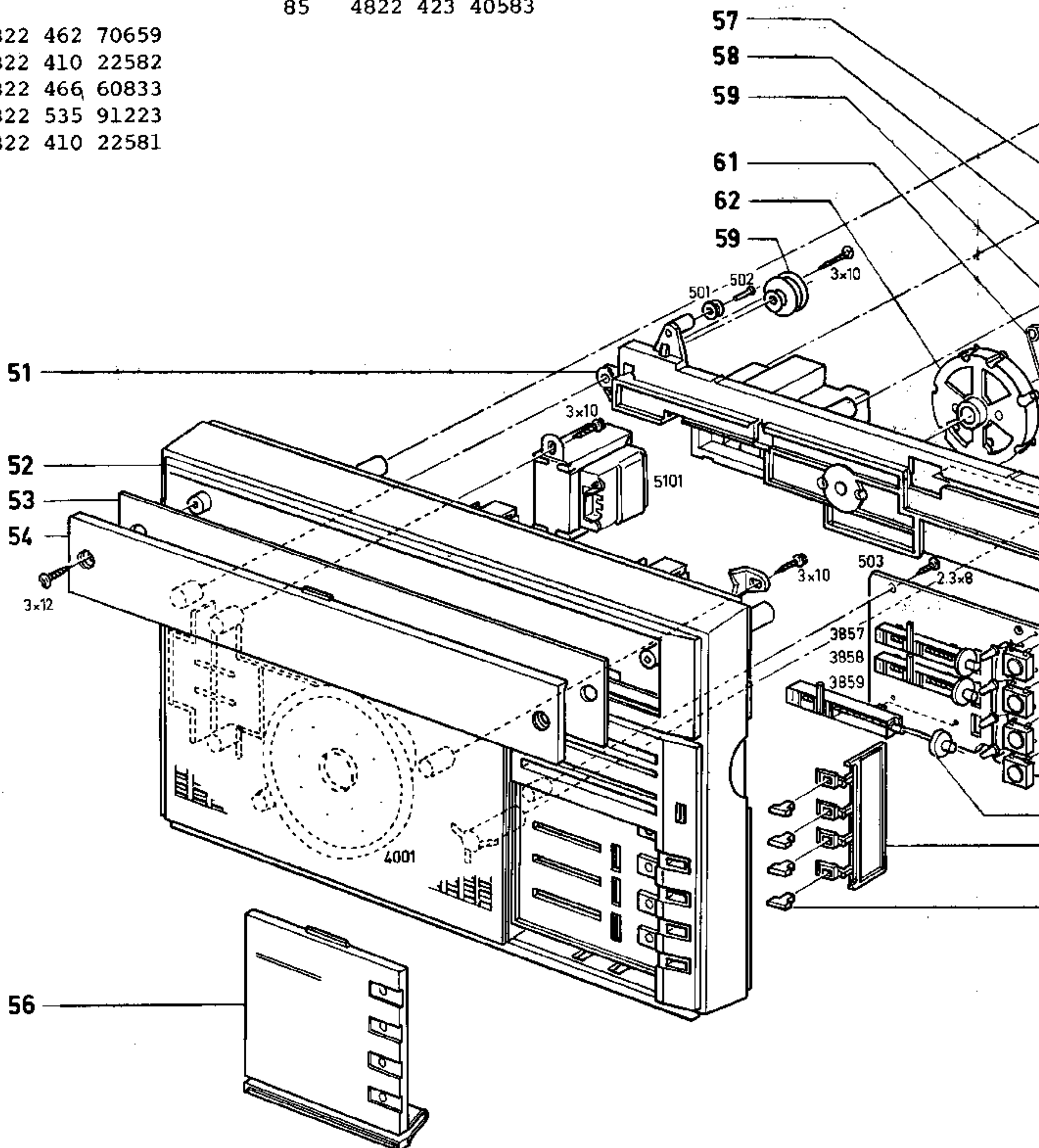
51 4822 464 70246
 52 4822 423 50602
 53 4822 333 40269
 54 4822 466 70443
 56 4822 423 50603
 57 4822 267 40349
 58 4822 528 20334
 59 4822 528 50135

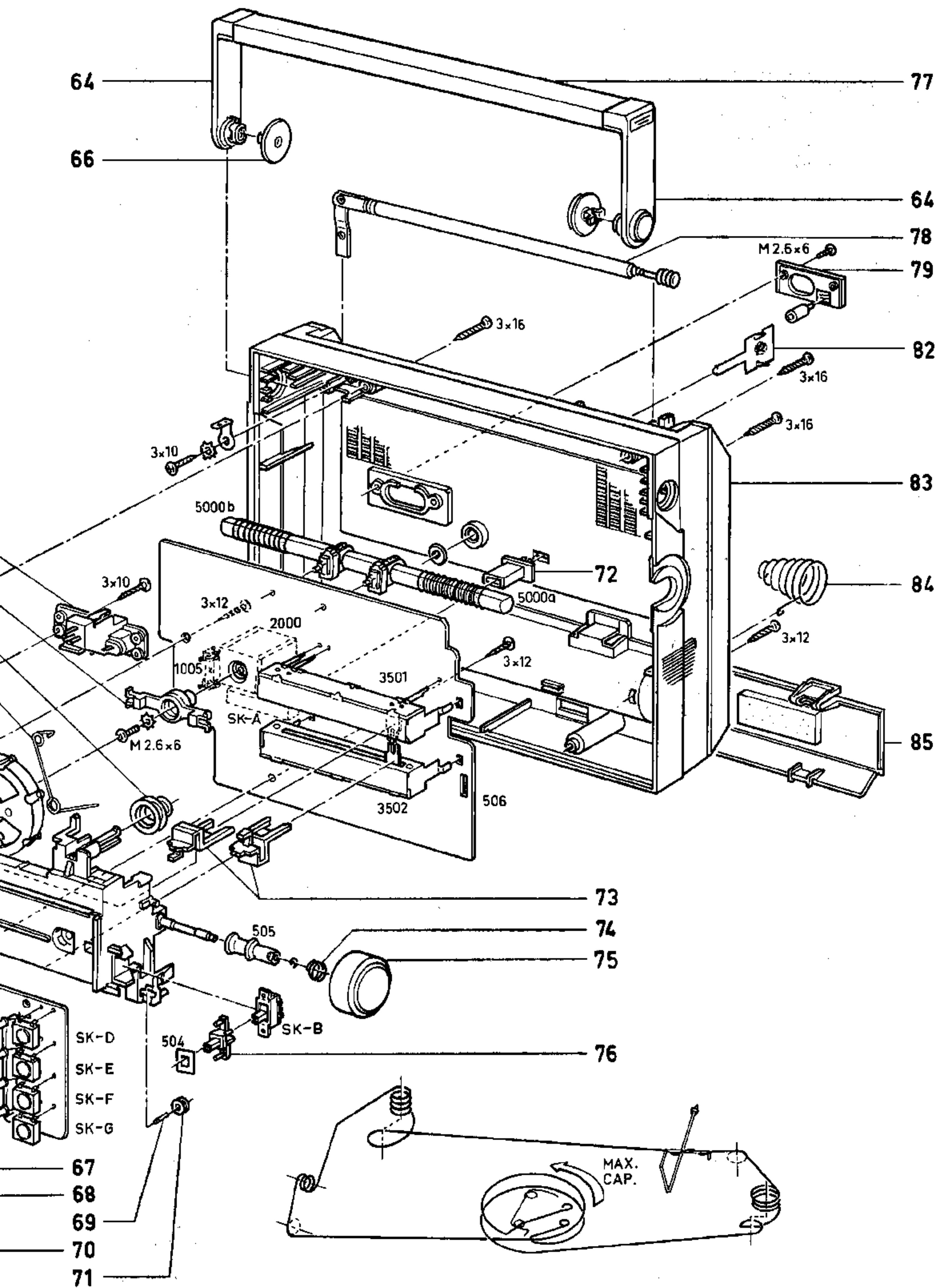
71 4822 528 80623
 72 4822 410 22579
 73 4822 411 60764
 74 4822 492 51279
 75 4822 413 30995
 76 4822 411 60763
 77 4822 498 40477
 78 4822 303 30156
 79 4822 454 10845

61 4822 492 40854
 62 4822 528 80769
 64 4822 498 40478

82 4822 290 80287
 83 4822 421 40108
 84 4822 492 51102
 85 4822 423 40583

66 4822 462 70659
 67 4822 410 22582
 68 4822 466 60833
 69 4822 535 91223
 70 4822 410 22581





 							
7101	2SK195H	4822	130	41679	2004,2057	TRIMMER 20pF	4822 125 50045
7111	ST1502C	4822	130	41461	2068		
7112	ST1502B	4822	130	41459	2005	Cer.cap.8pF ± ½pF	4822 122 31443
7451	1402C	4822	130	40937	2006,2058		
7452	1402D	4822	130	40937	2059,2070		
7453	1402E	4822	130	44196	2101-2103	Cer.cap.40nF25V	4822 122 40114
7811	TDA5700	4822	209	80543	2107,2796		
7826	TBA820MS	4822	209	80708	2851		
7851	MC14042BCP	4822	209	10062	2061	Cer.cap.500pF50V	4822 122 31519
							
7011,7013	SVC201Y-BK PR	4822	130	31499	2062,2792	Cer.cap.20pF50v	4822 122 31226
7012	CDG00	4822	130	30702	2064	Cer.cap.6pF50V	4822 122 31224
7014	1N34A	4822	130	30869	2065	Cer.cap.8pF50v	4822 122 40097
7015	FV1043	4822	130	30845	2066,2501	Cer.cap.100nF25V	4822 122 30108
7021,7022	1N60P	4822	130	30312	2558		
7251-7254	1N4001	4822	130	30829	2069	Cer.cap.6pF50V	4822 122 40276
7255	BZX79/C5V6	4822	130	34173	2108,2791	Cer.cap.25pF50V	4822 122 40134
7256	1N60	4822	130	31012	-Miscellaneous-		
7257	BZX79/C8V2	4822	130	34382	1001	Bead core	4822 526 10011
7261-7268	BA317	4822	130	30847	1002,1003	Cer-fil 10.7MHz	4822 242 70249
7273-7288					1004	Cer-fil 468KHz	4822 242 70388
7269-7272	LED SLP135B	4822	130	31498	1005	Fuse 250mA	4822 253 30013
							
4001	Loudspeaker 8ohm	4822	240	30106	3501	Potm.tone 50KD	4822 105 10441
5000	MW-LW Ant. assy	4822	158	60466	3502	Potm.vol. 50KC	4822 105 10442
5001	MW osc.coil	4822	156	30701	3857-3859	Potm.tune 100KB	4822 105 10439
5023	Fe Ind. 0.44uH	4822	157	50791	3861	Trimpot	4822 100 10036
5041,5043	IFT-FM (blue)	4822	156	30695	3865	Therm. NTC	4822 116 30207
5042	IFT-Fm (pink)	4822	156	30696			
5101	Mainstransformer	4822	145	30246			
5102	Inv. osc.coil	4822	156	20968			

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.

S

Säkerhetsbestämmelserna kräver att varje reparation skall utföras korrekt med hänsyn till ursprunglig placering av komponenter, ledningar etc. och med användning av föreskrivna reservdelar.

DK

Myndighedernes sikkerheds- og radiostøjbestemmelser kræver, at enhver reparation skal udføres korrekt m.h.t. overholdelse af originalplacering og montering af komponenter, ledningsbundter, etc. og ved anvendelse af de foreskrevne reservedele.

N

Sikkerhetsbestemmelser kreves at apparatet blir gjenopprettet til original utførelse og at deler som er identiske med de som er spesifisert, blir benyttet.

SF

Korjattessa laitetta on turvallisuussyistä ehdottomasti eneteltävä oikein ja käytettävä tehtaan määäämiä alkuperäisvaraosia.

Service mededeling

PHILIPS NEDERLAND - EINDHOVEN
TECHNISCHE SERVICE

NL 82 AC 024

Typ D2412/00/02/05/14/19

datum juni 1982

Port.radio D2412

- . De D2412 in de -/02 uitvoering is gelijk aan de -/00 uitvoering.
- . U gelieve de volgende bestelnummers aan de documentatie toe te voegen:

SK-A 4822 277 20689

SK-B 4822 277 20588

SKD-E-F-G 4822 278 90413