

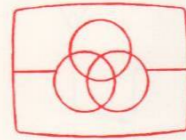
Clock-Radio 90 AS 300/00/01/15/40/45

Free service manuals

Gratis schema's

Digitized by

www.freeservicemanuals.info



Free service manuals

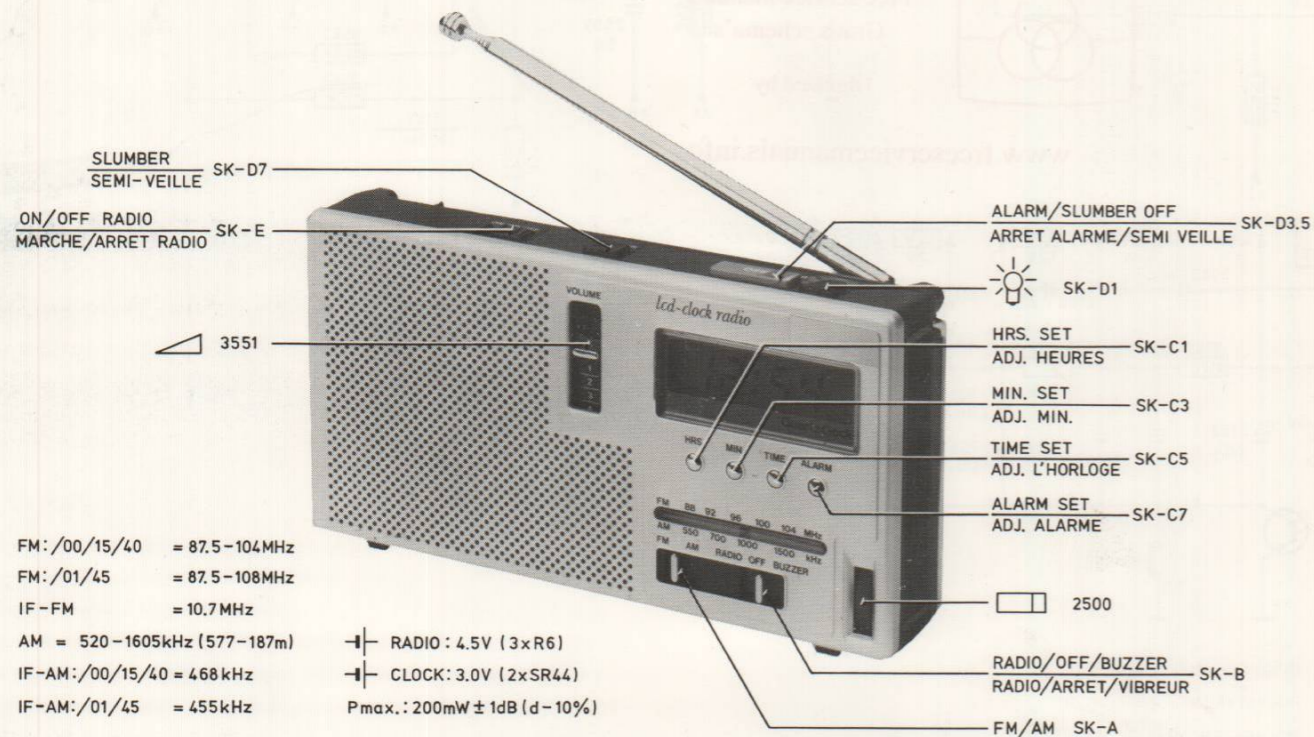
Gratis schema's

Digitized by

www.freeservicemanuals.info

Service Service Service

Service Manual



17635B12

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

Subject to modification

4822 725 13355

Printed in The Netherlands

(GB)

SK-A	Wave range selector switch	FM/AM
SK-B	Selector switch alarm system	Radio/off/buzzer
SK-C1	Switch hours setting	Hrs.
SK-C3	Switch min. setting	Min.
SK-C5	Switch clock setting	Time
SK-C7	Switch alarm setting	Alarm
SK-D1	Lamp switch	Light
SK-D3,5	Switch alarm/slumber off	Alarm/slumber off
SK-D7	Switch slumber setting	Slumber
SK-E	On/off radio switch	On/off

(F)

SK-A	Commut. de sélection des gammes d'onde	FM/AM
SK-B	Commut. sélecteur système de réveil	Radio/off/buzzer
SK-C1	Commut. de réglage des heures	Hrs.
SK-C3	Commut. de réglage des min.	Min.
SK-C5	Commut. de réglage de horloge	Time
SK-C7	Commut. de réglage de réveil	Alarm
SK-D1	Commut. éclairage	Light
SK-D3,5	Commut. d'arrêt de réveil/semi veille	Alarm/slumber off
SK-D7	Commut. de réglage semi veille	Slumber
SK-E	Commut. radio marche/arrêt	On/off

(I)

SK-A	Commut. selezione gamme	FM/AM
SK-B	Commut. selezione tipo allarme	Radio/off/buzzer
SK-C1	Commut. regolazione ore	Hrs.
SK-C3	Commut. regolazione min.	Min.
SK-C5	Regolazione dell'ora	Time
SK-C7	Regolazione della sveglia	Alarm
SK-D1	Commut. lampade	Light
SK-D3,5	Commut. allarme/semi-sveglia stop	Alarm/slumber off
SK-D7	Commut. regolazione semi-sveglia	Slumber
SK-E	Commut. on/off radio	On/off

(DK)

SK-A	Bølgelængde omskifter	FM/AM
SK-B	Vælger for alarmsystem	Radio/off/buzzer
SK-C1	Omskifter for ur indstilling	Hrs.
SK-C3	Omskifter for minutindstilling	Min.
SK-C5	Omskifter for timeindstilling	Time
SK-C7	Omskifter for alarmindstilling	Alarm
SK-D1	Afbryder for lampe	Light
SK-D3,5	Afbryder for alarm/slumberindstilling	Alarm/slumber off
SK-D7	Omskifter for slumberindstilling	Slumber
SK-E	Afbryder for radio on/off	On/off

(NL)

SK-A	Golfbereik keuze schakelaar	FM/AM
SK-B	Alarmsysteem keuze schakelaar	Radio/off/buzzer
SK-C1	Schakelaar voor instellen uren	Hrs.
SK-C3	Schakelaar voor instellen min.	Min.
SK-C5	Schakelaar voor instellen klok	Time
SK-C7	Schakelaar voor instellen alarm	Alarm
SK-D1	Schakelaar voor klokverlichting	Light
SK-D3,5	Schakelaar afschakelen alarm/slumberen	Alarm/slumber off
SK-D7	Schakelaar voor instellen slumberen	Slumber
SK-E	Schakelaar voor radio aan/uit	On/off

(D)

SK-A	Wellenbereichschalter	FM/AM
SK-B	Wecksystem-Wahlschalter	Radio/off/buzzer
SK-C1	Stundeneinstellknopf	Hrs.
SK-C3	Minuteneinstellknopf	Min.
SK-C5	Einstellschalter Uhr	Time
SK-C7	Einstellschalter Wecken	Alarm
SK-D1	Lampenschalter	Light
SK-D3,5	Abschalter Wecken/Schlummer	Alarm/Slumber off
SK-D7	Schlummer Schalter	Slumber
SK-E	Ein/aus radio	On/off

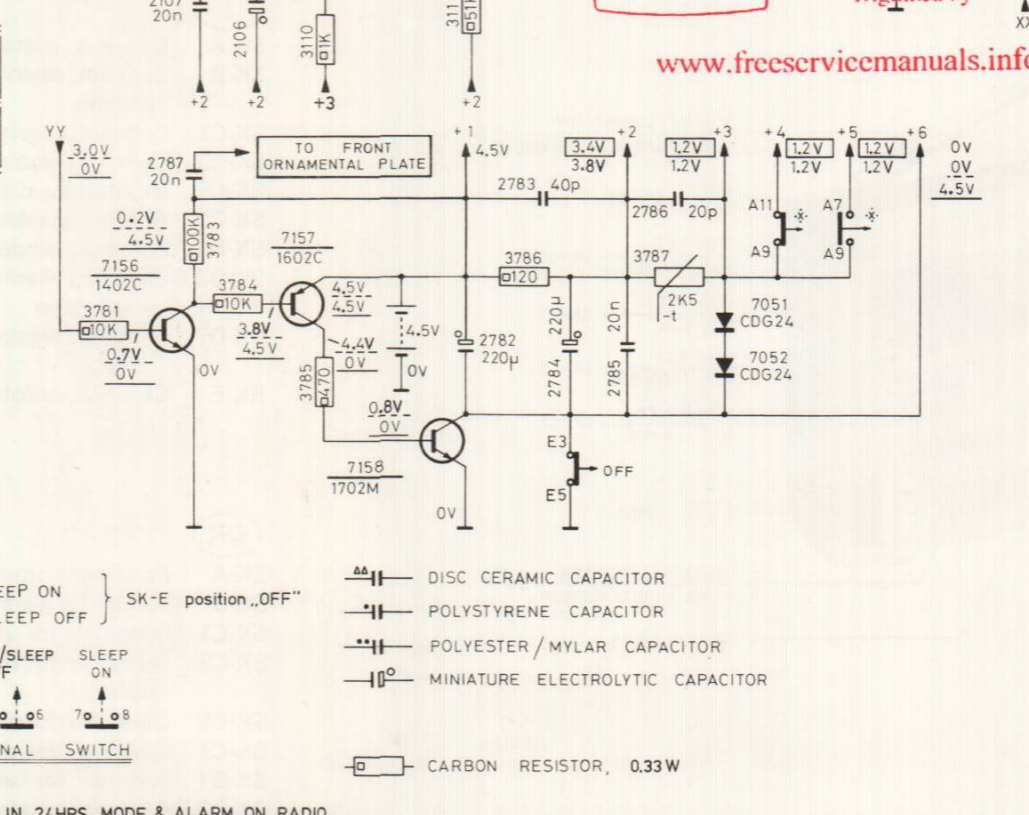
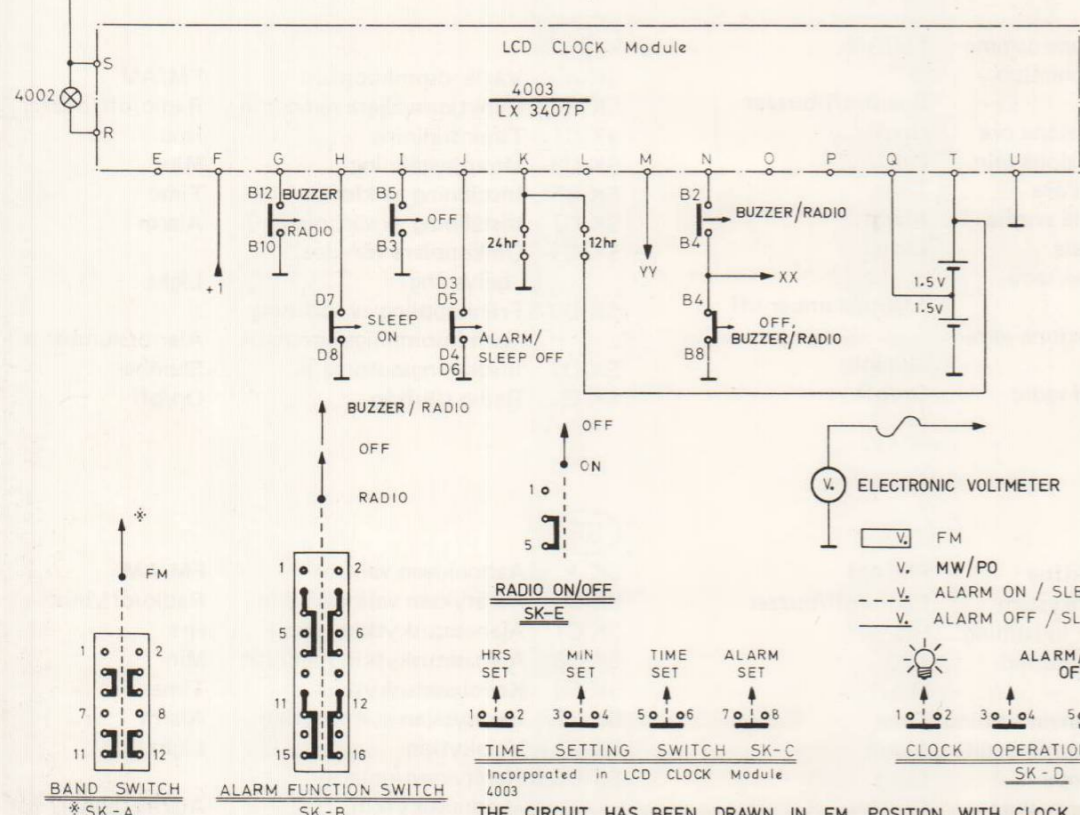
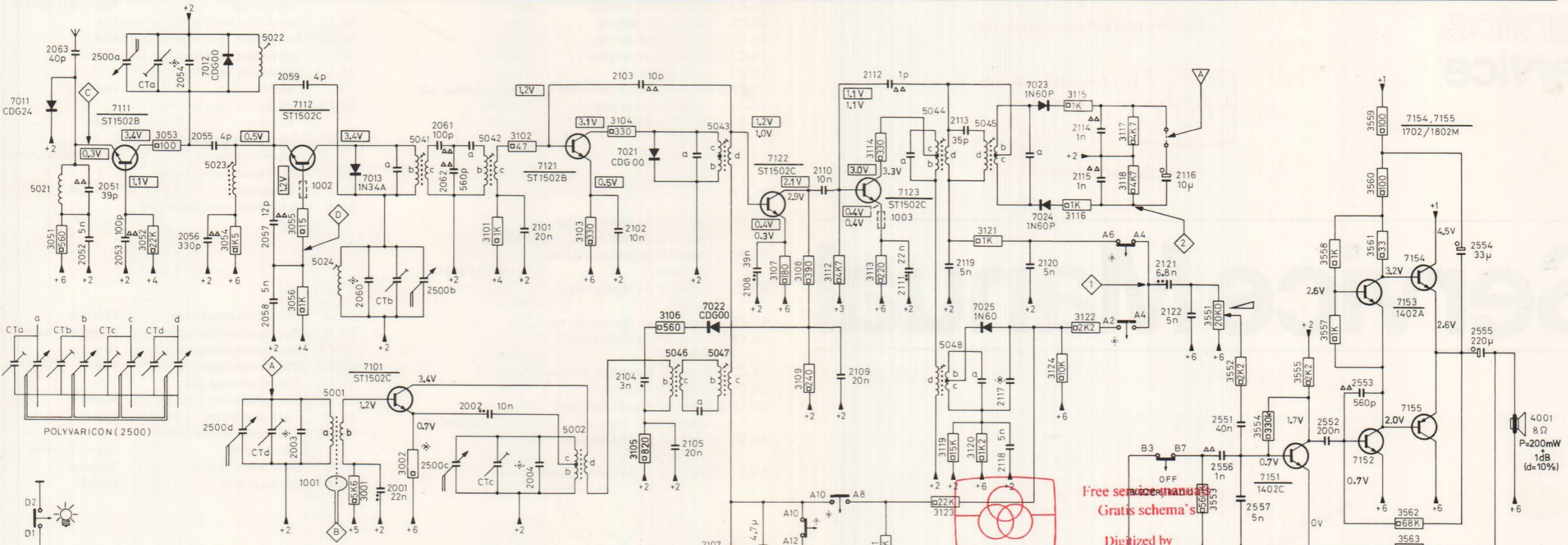
(S)

SK-A	Vågländsomkopplare	FM/AM
SK-B	Funktionsväljare radio/ton	Radio/off/buzzer
SK-C1	Timinställning	Hrs.
SK-C3	Minutinställning	Min.
SK-C5	Inställning av klocka	Time
SK-C7	Inställning av väckning	Alarm
SK-D1	Omkopplare för klockbelysning	Light
SK-D3,5	Frånkoppling av väckning och insomningsautomatik	Alarm/slumber off
SK-D7	Insomningsautomatik	Slumber
SK-E	Radio till/från	On/off

(SF)

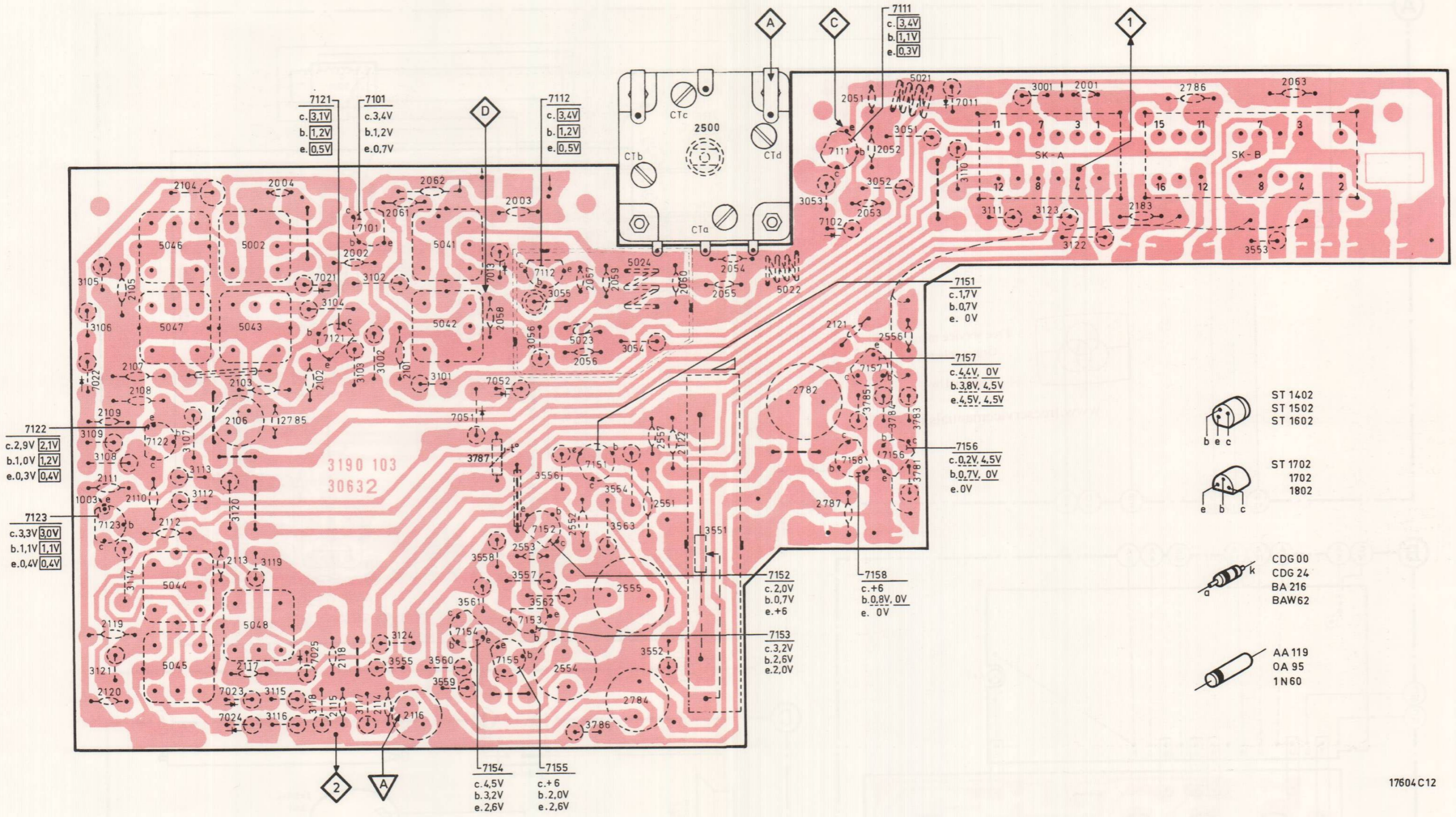
SK-A	Aaltoalueen valitsin	FM/AM
SK-B	Herätyksen valintakytkin	Radio/off/buzzer
SK-C1	Ajanasetuskytkin.tunnit	Hrs
SK-C3	Ajanasetuskytkin.minuutit	Min.
SK-C5	Kellonasetuskytkin	Time
SK-C7	Herätysajan asetuskkytkin	Alarm
SK-D1	Valokytkin	Light
SK-D3,5	Herätyksen/uniajan katkaisukytkin	Alarm/slumber off
SK-D7	Uni asetuskkytkin	Slumber
SK-E	Radio-osan verkkokytkin	On/off

Misc.	7011	5021	7111	CTa	7012	5022	7112	1002	5001	7101	5041	5042	7121	5002	7021	7022	7156	5043	7122	7158	7123	5044	5045	7023	7051	7151	7153	7154	4001				
	4002				5023	CTd	1001	5024	7013	4003	CTb	CTc		5046	5047				7157		1003	5048	7025	7024	7052								
Cap.	2063	2052	2500	2053	2054	2055	2057	2059	2060	2001	2061	2002	2101	2103	2104	2105	2108	2110	2109	2787	2112	2111	2784	2119	2785	2118	2115	2122	2557	2556	2552	2553	2554
Res.	3051	3052	3053	3054	3055	3001	3002	3101	3102	3103	3104	3784	3107	3108	3110	3112	3114	3111	3119	3121	3787	3124	3115	3122	3117	3551	3552	3554	3555	3558	3559	3561	3562
					3056						3105	3781	3106	3109	3785	3783	3113	3786	3123	3120					3116	3118	3553	3556	3557	3560	3563		



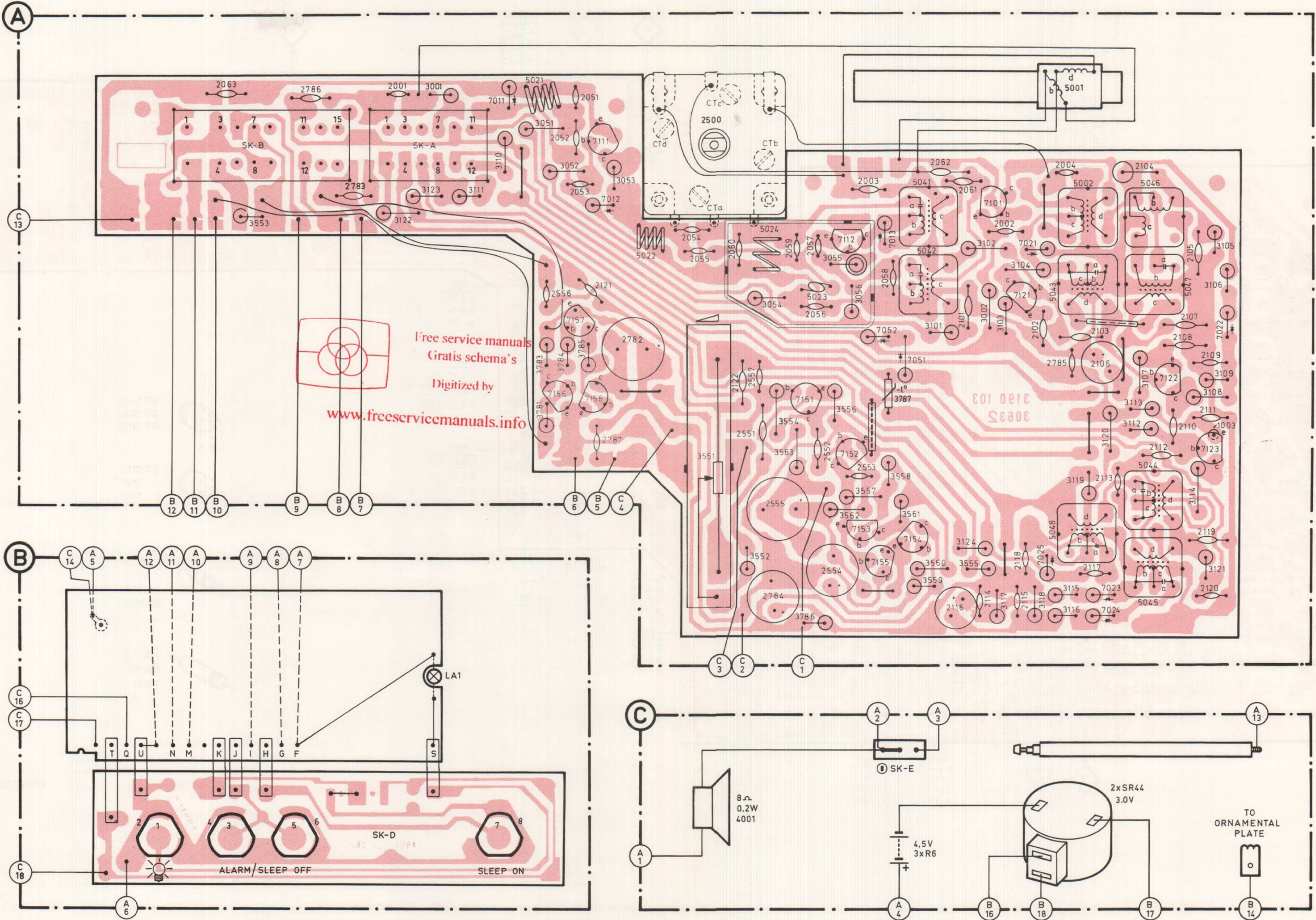
*ITEM	AS300/304	AS301/305
2003	-	47p
2004	5p	160p
2054	23p	23p
2060	27p	27p
SK-A	MW/PO	LW/GO
3002	2k2	1K5
2117	5n	20n

Misc.	7022 7123 7122 5047 5046 7023 5002 5043 7025 7021 7101 5041 7051 7013 7153 7112 7151 5024 CTa ... CTd 5022 7111 7157 5021 7011 SK-A SK-B
Cap.	1003 5044 5045 7024 5048 7121 5042 7154 7052 7155 7152 5023 7158 7012 7156 2001 2183 2786 2063
Res.	3106 3105 3108 3114 3107 3113 3120 3119 3115 3104 3103 3102 3124 3101 3561 3787 3056 3556 3055 3786 3554 3054 3551 3053 3052 3784 3051 3110 3111 3001 3122 3553
	3121 3109 3108 3112 3116 3118 3117 3002 3555 3559 3560 3558 3557 3562 3563 3552 3785 3781 3783 3123







17604 C12

Misc.	SK-B	SK-A	7011	5021	7157	7111	5022	CTa...CTd	5024 7151	7112 7153	7013	7051	5041	7101	7021	7025	5043	5002	7023	5046	5047	7122	7123	7022	1003										
		LA1			7156	7012	7158		4001		5023	7152	7155	7052	7154	5042	SK-E	7121	5001	5048		7024	5044	5045											
Cap.	2063	2786	2783	2001		2556	2052	2051	2121	2782	2054	2500	2060	2557	2555	2057	2056	2554	2058		2062	2061	2101	2002	2118	2102	2004	2103	2113	2104	2107	2105	2111	2120	
							2053	2787			2055	2122	2551	2784	2059	2552	2003	2553		2116	2114		2115		2785	2106	2117	2112	2108	2110	2109	2119			
Res.		3553		3122	3001	3111	3110		3051	3784	3052	3053		3551	3054	3554	3786	3055	3556	3056	3787	3561	3101	3124	3102	3103	3104	3115	3119	3120	3113	3107	3114	3106	3105
				3123					3783	3781	3785			3552	3563				3562	3557	3558	3560	3559	3555	3002	3117	3118	3116		3112	3108	3109	3121		







- 1 IF-AM AS300/00/15/40 : 468 kHz
AS301/28/51 : 468 kHz
AS300/01/45 : 455 kHz
- 2 FM AS300/00/15/40 : 87.5-104 MHz
AS301/28/51 : 87.5-104 MHz
AS300/01/45 : 87.5-108 MHz





GB

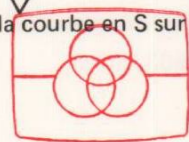
- 3 Open bridge  . Connect an oscilloscope to  via a 100 kΩ resistor. Adjust the FM-IF curve for maximum height and symmetry.
- 4 Close bridge  . Connect an oscilloscope to  . Adjust the S-curve for maximum symmetry and linearity.

NL

- 3 Open brug  . Sluit een oscillograaf aan  via een weerstand van 100 kΩ en regel de FM-MF kromme af op max. hoogte en symmetrie.
- 4 Sluit brug  . Sluit een oscillograaf aan  en regel de S-kromme af op maximale symmetrie en lineariteit.





F

- 3 Ouvrir le pontet  . Brancher un oscillographe sur  à travers une résistance de 100 kΩ et régler la courbe FM-FI sur hauteur max. et symétrie.
- 4 Fermer le pontet  . Brancher l'oscillographe sur  et régler la courbe en S sur symétrie max. et linéarité.







www.freeremotemanuals.info




D

- 3 Brücke  öffnen. Oszillographen über einen 100 kΩ-Widerstand an  anschliessen. FM/ZF-Kurve auf maximale Höhe und Symmetrie abgleichen.
- 4 Brücke  schliessen. Oszillographen anschliessen an  und die S-Kurve auf maximale Symmetrie und Linearität abgleichen.





I

- 3 Aprire il ponticello  . Inserire un oscillografo su di  attraverso una resistenza di 100 kΩ e regolare la curva FM-FI per altezza massima e simmetria.
- 4 Chiudere il ponticello  . Inserire l'oscillografo su di  e regolare la curva ad S per simmetria massima e linearità.





S




















- 3 Öppna brygga  . Via ett 100 kΩ motstånd anslut ett oscilloskop till  . Justera FM-MF. Justera till max. höjd och symmetri.
- 4 Tillslut brygga  . Via ett 100 kΩ motstånd anslut ett oscilloskop till  justera till max. symmetri och linearitet.

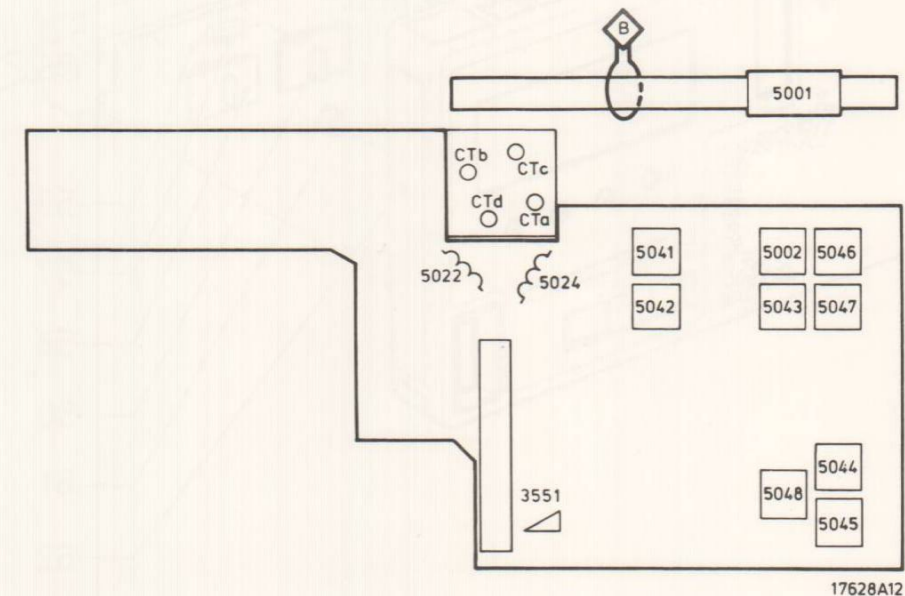
DK

- 3 Åbn broen  og forbind et oscilloskop til  via en 100 kΩ modstand. Juster FM-MF-kurven til maximum højde og symmetri.
- 4 Luk broen  og forbind oscilloskopet til  . Juster S-kurven til maximum symmetri og linearitet.

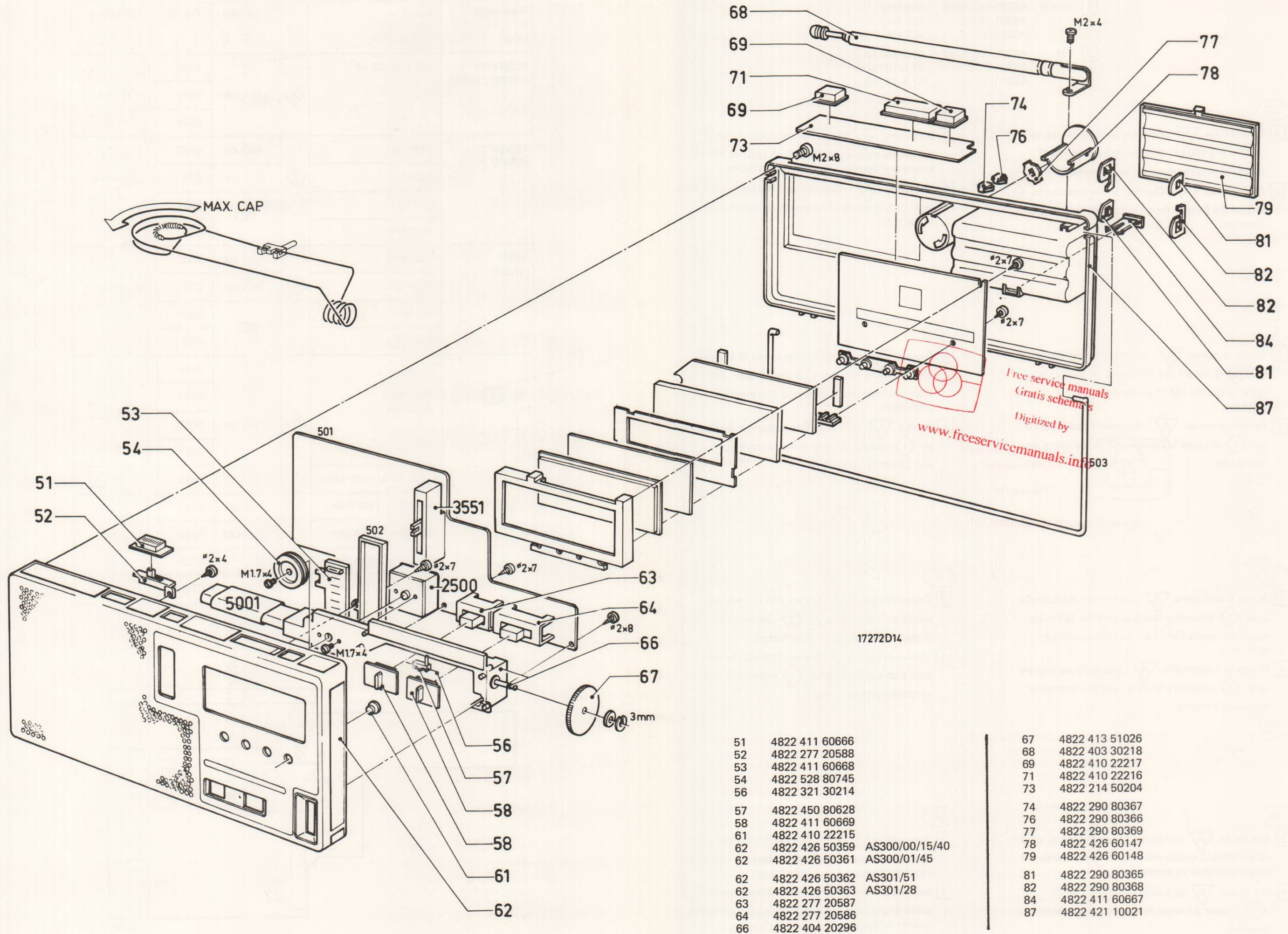
SF

- 3 Avaa oikosulku  kytke oskilloskooppi  een 100 kΩ vastuksen kautta. Säädä ula välitajuuskäyrä maksimilleen ja symmetriseksi.
- 4 Sulje oikosulku  . Kytke oskilloskooppi  säädä S-käyrä maksimiinsa symmetrian ja lineaarisuuden suhteen.

Wave range	Signal to		Var.cap.	Adjust	Indication	
SK-A						
AS300/301 MW/PO-LW/GO	1 via 39 nF		Min.cap.	5048	 Max.	
				5047		
				5046		
AS300 MW/PO	512 kHz		Max.cap.	5002	 Max.	
	1635 kHz		Min.cap.	CTc		
	600 kHz			5001		
	1400 kHz		CTd			
AS301 LW/GO	147 kHz		Max.cap.	5002	 Max.	
	200 kHz		Min.cap.	CTc		
	147 kHz			5001		
	200 kHz		CTd			
FM 2	10.7 MHz via 20 nF		Min.cap.	5044	 	
				5043		
				5042		
				5041		
	-104 MHz -108 MHz			5045	 	
	105 MHz 109 MHz			Min.cap.	CTb	 Max.
	86.5 MHz 86.5 MHz			Max.cap.	5024	
86.5 MHz 86.5 MHz	5022					
105 MHz 109 MHz			CTa			





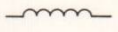


17628A12



51	4822 411 60666	
52	4822 277 20588	
53	4822 411 60668	
54	4822 528 80745	
56	4822 321 30214	
57	4822 450 80628	
58	4822 411 60669	
61	4822 410 22215	
62	4822 426 50359	AS300/00/15/40
62	4822 426 50361	AS300/01/45
62	4822 426 50362	AS301/51
62	4822 426 50363	AS301/28
63	4822 277 20587	
64	4822 277 20586	
66	4822 404 20296	

67	4822 413 51026
68	4822 403 30218
69	4822 410 22217
71	4822 410 22216
73	4822 214 50204
74	4822 290 80367
76	4822 290 80366
77	4822 290 80369
78	4822 426 60147
79	4822 426 60148
81	4822 290 80365
82	4822 290 80368
84	4822 411 60667
87	4822 421 10021

					
7101,7111			5044	IFT-AM (pink)	4822 156 30696
7112,7121÷7123	ST1502C	4822 130 41356	5046	IFT-AM (yellow)	4822 156 30697
7151,7156	ST1402C	4822 130 40937	5047	IFT-AM (white)	4822 156 30698
7152,7158	ST1702M	4822 130 44121	5048	IFT-AM (black)	4822 156 30699
7153	1402A	4822 130 40948			
7154,7155	1702/1802M	4822 130 40942			
7157	1602C	4822 130 40962			
			2054	Cer.cap. 23 pF ± 5 %	4822 122 40094
			2055,2059	Cer.cap. 4 pF±1/4 pF	4822 122 31043
			2060 (AS300)	Cer.cap. 30 pF±5 %	4822 120 33066
			2101,2105,2107, 2109,2785,2787	Cer.cap. 20 nF±20 %	4822 122 30103
7011,7051,7052	CDG24 (BA216)	4822 130 30702	2102	Cer.cap. 10 nF±20 %	5322 122 34041
7012,7021,7022	CDG00 (BA216)	4822 130 30702	2104	Micro poco 3 nF±5 %	4822 121 50414
7013	1N34A (OA95)	4822 130 30869	2113 (AS301)	Cer.cap. 35 pF±5 %	4822 122 31312
7023,7024	1N60-P (2-AA119)	4822 130 30312	2500	Varco	4822 125 20222
7025	1N60 (AA119)	4822 130 31012	2551	Cer.cap. 40 nF±20 %	4822 121 40413
			2552	Cer.cap. 200 nF±20 %	4822 121 40323
					
4001	Loudspeaker 8 Ω	4822 240 30076	-Miscellaneous-		
5001 (AS300)	MW-Ant. coil	4822 158 10438			
5001 (AS301)	LW-Ant. coil	4822 158 10439	3551	Potm. vol. 20 kΩ	4822 105 10373
5002	MW-osc. coil	4822 156 30701	3787	Thermistor 2.5 kΩ	4822 116 30189
5023	Ferr.ind. 0,7 μH	4822 157 50791	1001	Ferrite bar 5x13x55	4822 526 10116
5041,5042	IFT-FM (orange)	4822 156 30694	4002	Lamp 5 V - 60 mA	4822 134 40167
5043,5045	IFT-FM (blue)	4822 156 30695			

Servicemededeling

PHILIPS NEDERLAND B.V. - EINDHOVEN
TECHNISCHE SERVICE

Ref. 460 PH

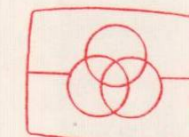
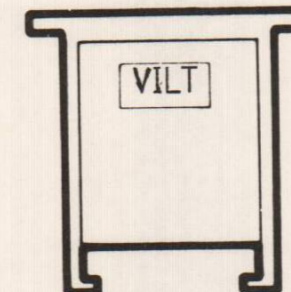
Type 90 AS 300/301;90 AS 304/305 Datum augustus 1981

Alvorens bij een defecte klokmodule een nieuw exemplaar te monteren, verdient het aanbeveling de contactveren van de klokbatterijen te controleren.

Een aantal storingen zoals: geen indicatie, vreemde getallen enz. kunnen worden teruggevoerd tot een algemene oorzaak: slecht of geen contact batterijveer.

In het geval van negatieve toleranties kan het voorkomen dat er géén of slecht contact is tussen de batterijveer en batterij.

Dit kan worden opgevangen door een klein stukje vilt (3,5 x 7,5 x 1 mm) in de batterijhouder te lijmen. Bij vervangen van de batterijhouder dient men dit vilt volgens onderstaande tekening aan te brengen.



Free service manuals
Gratis schema's
Digitized by

www.freeservicemanuals.info

A 81 - 316

CS 67 525



PHILIPS