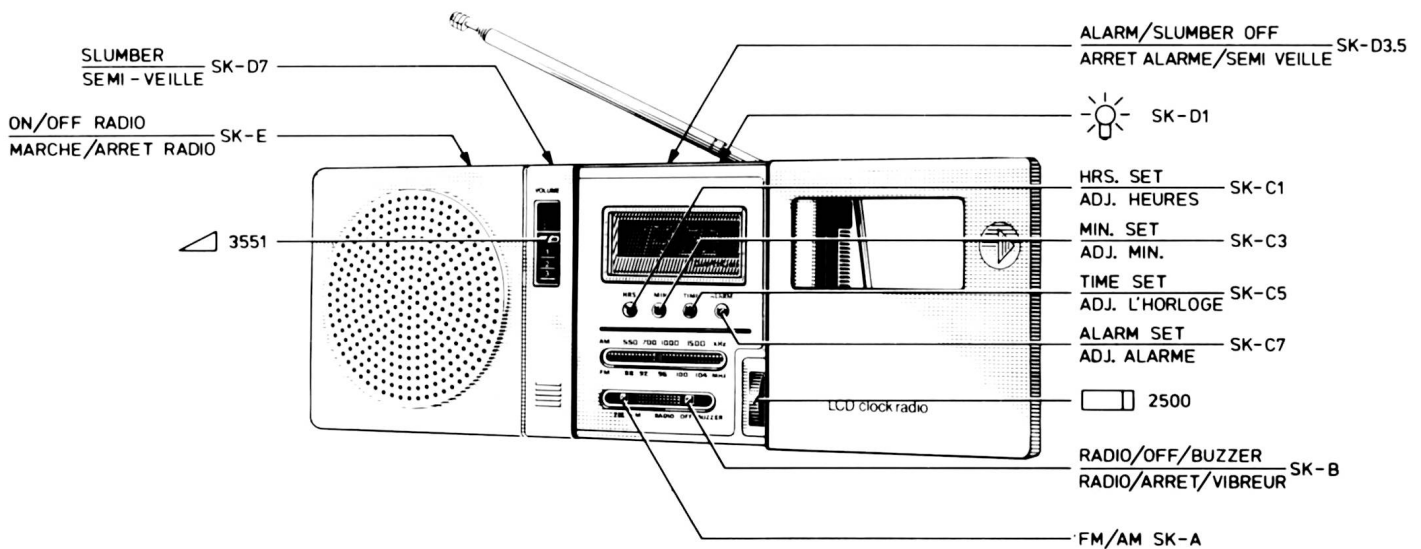


# Service Service Service

# Service Manual



FM : 87.5 - 104 MHz

IF - FM : 10.7 MHz

AM : 150 - 255 kHz (2000 - 1177 m)

IF - AM : 468 kHz

RADIO : 4.5V (3xR6)

CLOCK : 3.0V (2xSR44)

Pmax : 200mW ± 1dB (d = 10%)

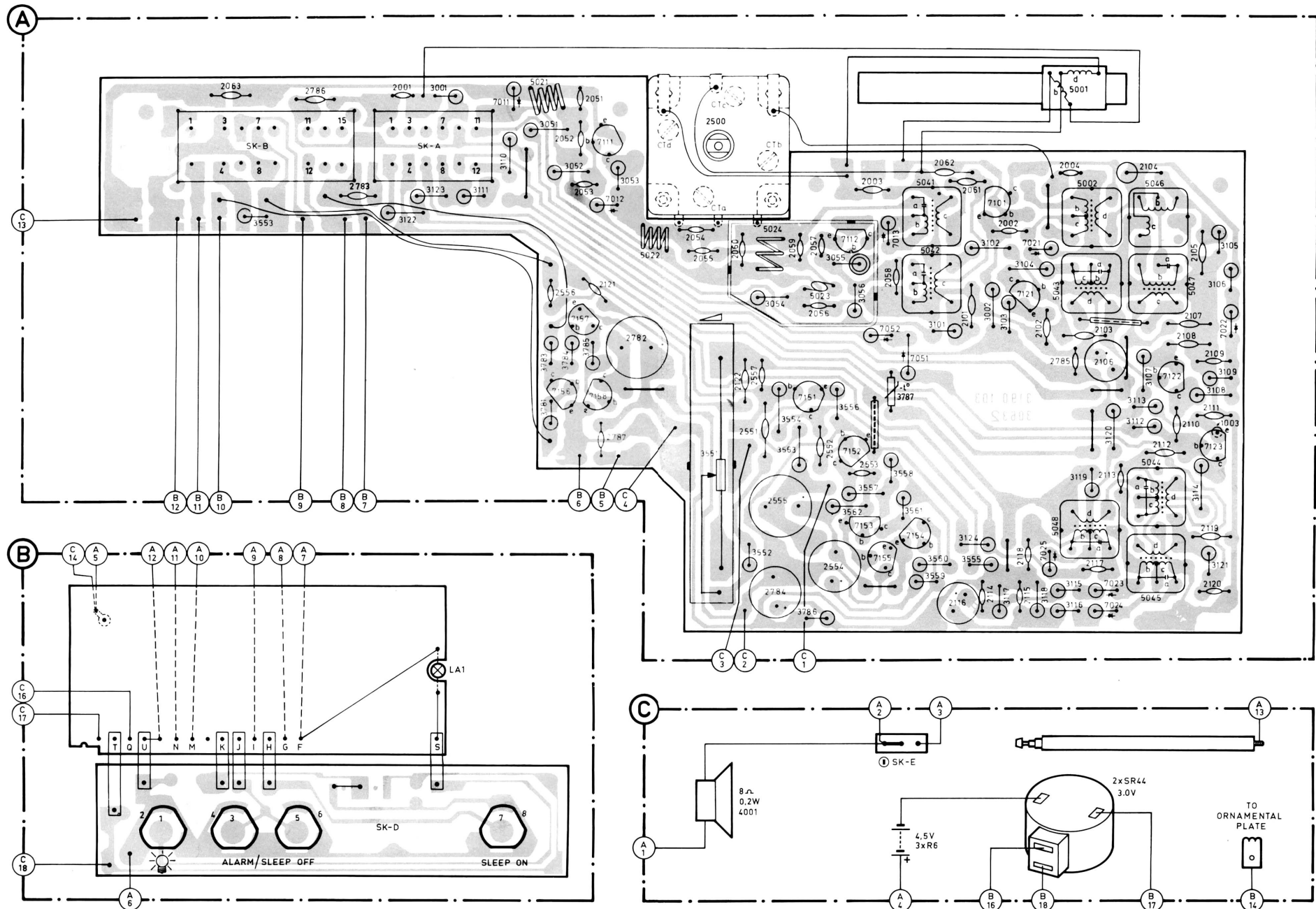
19117B12

The diagram illustrates a complex electronic circuit for a digital alarm clock. It starts with a power supply section that converts 230V AC to a usable DC voltage. The core of the circuit is a microcontroller (7111) that manages the time setting and alarm functionality. This is interfaced with a 4003 LCD module for displaying the time and alarm status. The circuit also includes output drivers for a buzzer, a radio function, and an electronic voltmeter. Various passive components like capacitors and resistors are used throughout for timing, filtering, and signal conditioning. A table at the bottom right provides a key for the component values used in the circuit.









ITEM	A5300/304	A5301/305
2003	-	47p
2004	5p	160p
2054	23p	23p
2060	27p	27p
SK-A	MW/PO	LW/GO
3002	2k2	1K5
2117	5n	20n

CS 67 520

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	2104	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		





Wave range SK-A	Signal to 		Var. cap. 	Adjust 	Indication 
AS304/305 MW/PO-LW/GO	<b>1</b> via 39 nF	<b>A</b>	Min. cap.	5048 5047 5046	<b>1</b> Max.
AS304 MW/PO (520-1605 kHz)	512 kHz 1635 kHz 600 kHz 1400 kHz	<b>B</b>	Max. cap. Min. cap.  CTd	5002 CTc 5001 CTd	<b>1</b> Max.
AS305 LW/GO (150-255 kHz)	147 kHz 200 kHz 147 kHz 200 kHz	<b>B</b>	Max. cap. Min. cap.  CTd	5002 CTc 5001 CTd	<b>1</b> Max.
FM <b>2</b>	10.7 MHz via 20 nF  -104 MHz -108 MHz 105 MHz 109 MHz 86.5 MHz 86.5 MHz 86.5 MHz 86.5 MHz 105 MHz 109 MHz	<b>D</b>    <b>C</b>	Min. cap.  Min. cap. Max. cap.  CTa	5044 5043 5042 5041 5045 CTb 5024 5022 CTa	<b>2</b> <b>3</b>  <b>1</b> <b>4</b>  <b>1</b> Max.

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

