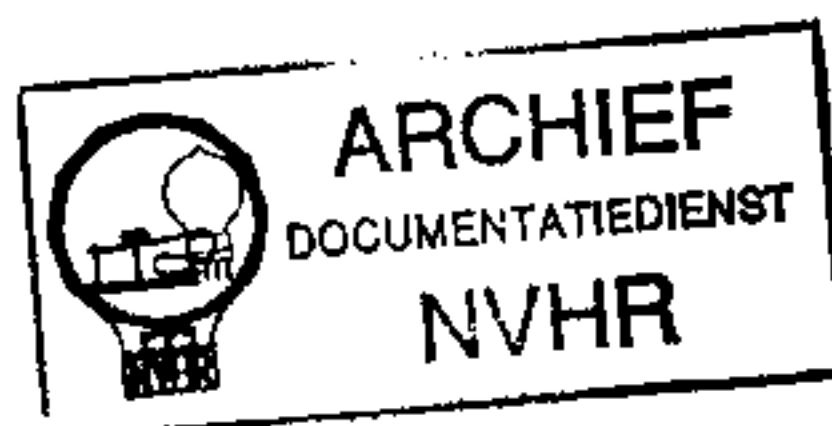


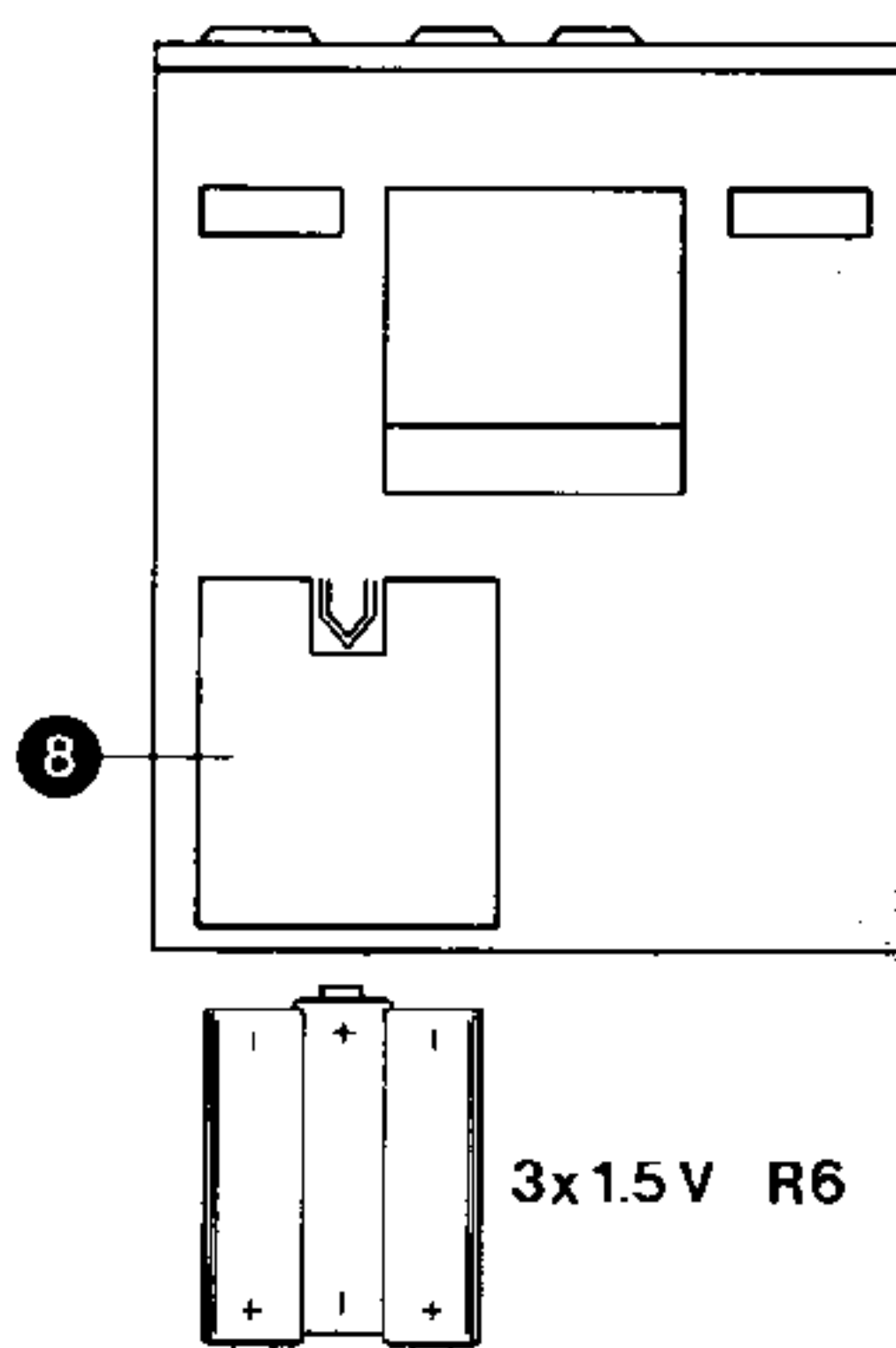
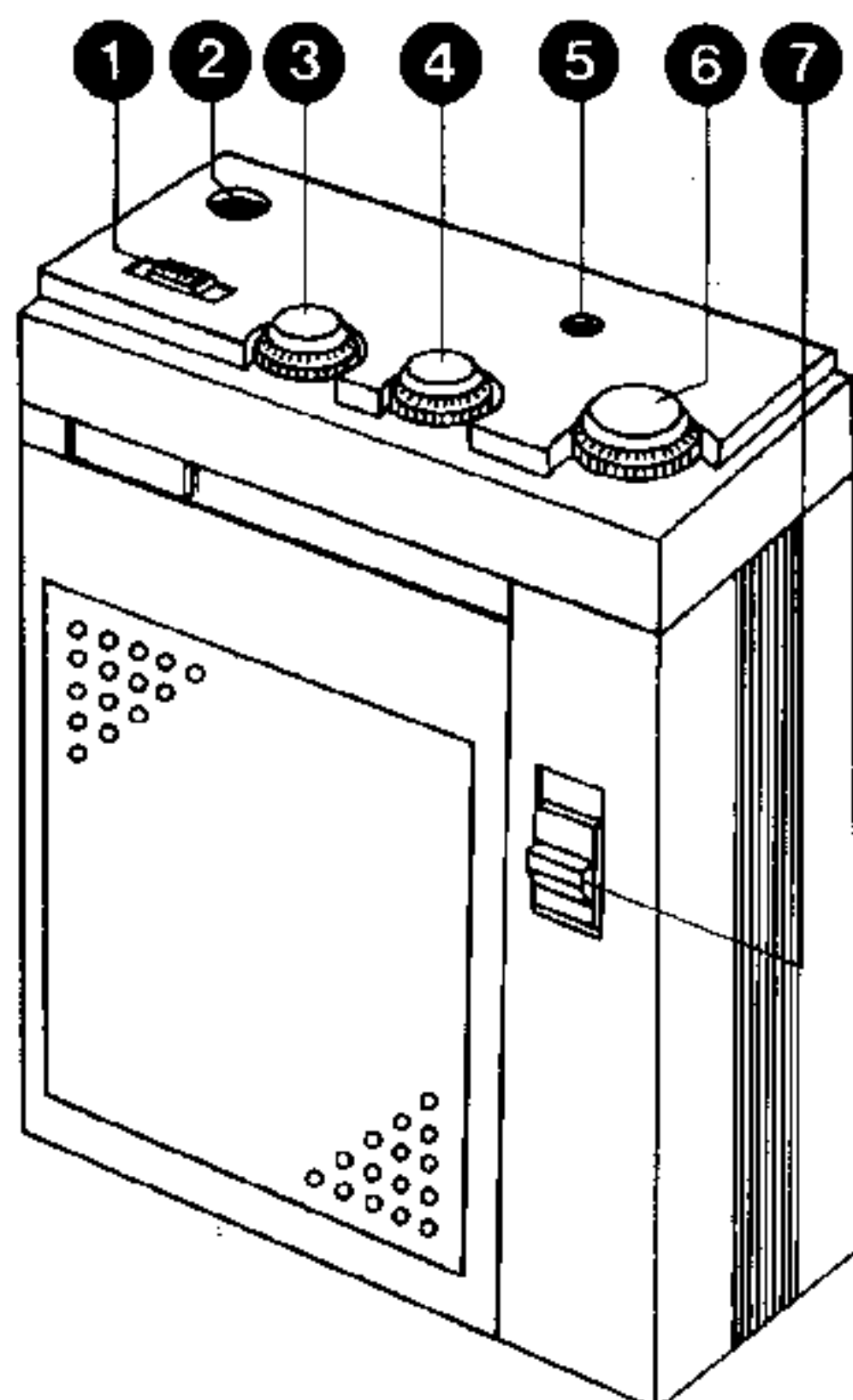
Service
Service
Service

Met dank aan www.radiomuseum-hengelo.nl

Ned. Ver. v. Historie v/d Radio



Service Manual



1. Radio 'on/off' switch
2. Socket for headphone/external FM aerial
3. Volume control left
4. Volume control right

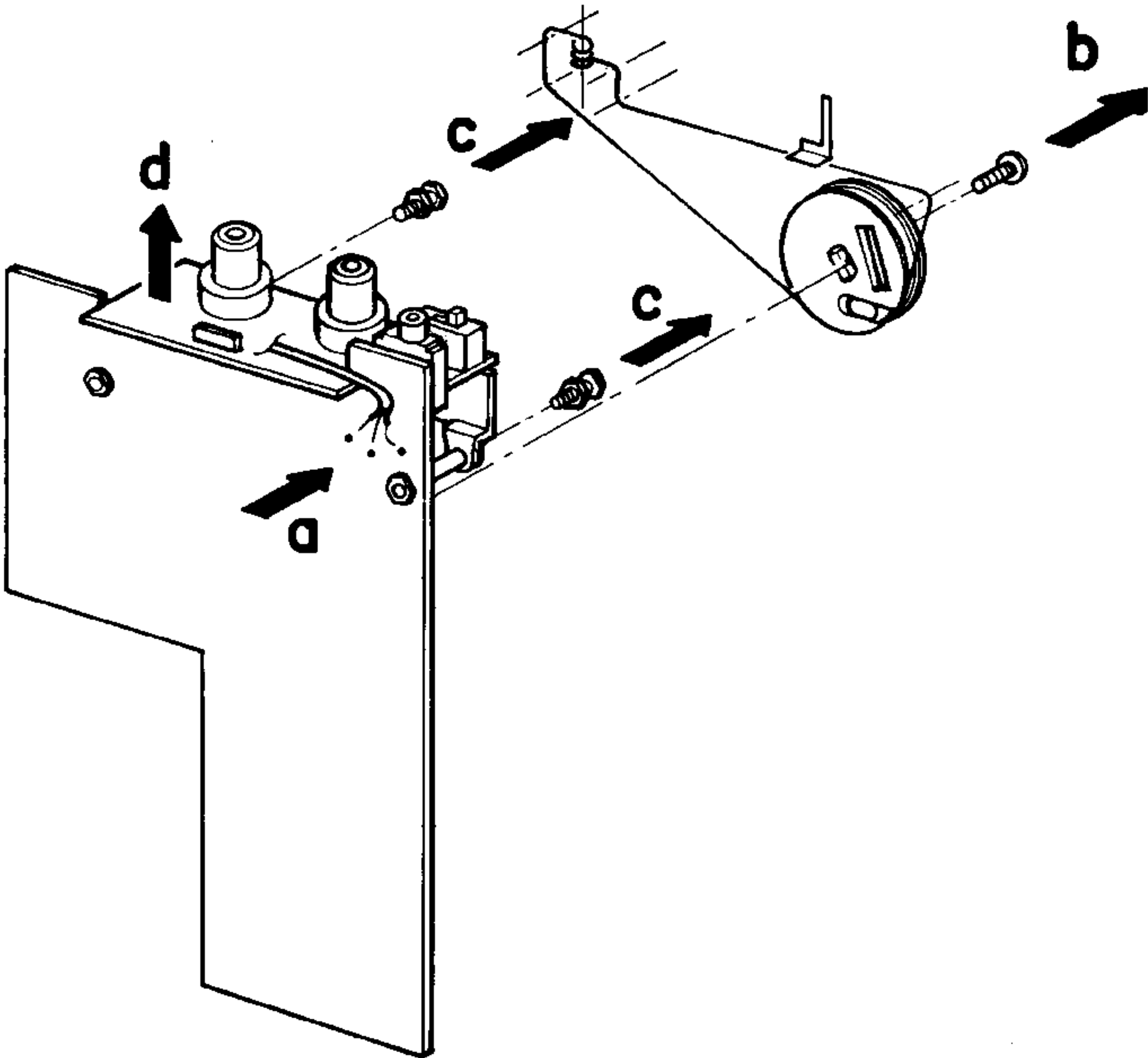
5. FM stereo indicator
6. Tuning knob
7. Wave-range selector 'FM stereo/FM/AM'
8. Battery compartment

MW/PO : 520-1605KHz (577-187m)
 FM : 87.5-108MHz
 IF/FI AM : 468KHz
 455KHz /01/11/17
 IF/FI FM : 10.7MHz

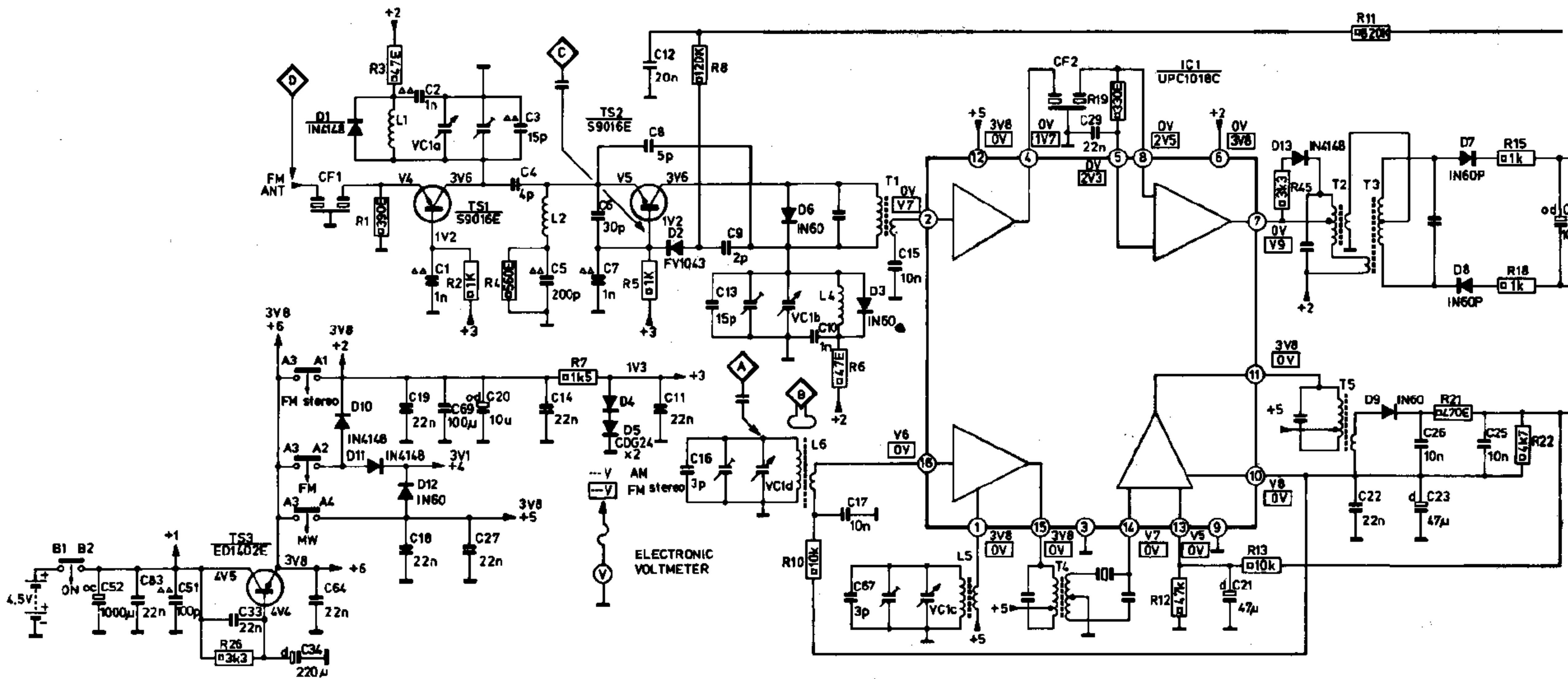
Supply : DC 4.5V, 3xR6
 Output/sortie : 2x70mW±1dB
 d=10%, 32ohm
 130mW±1dB
 d=10%, 16ohm



DISMANTLING OF VR PCB

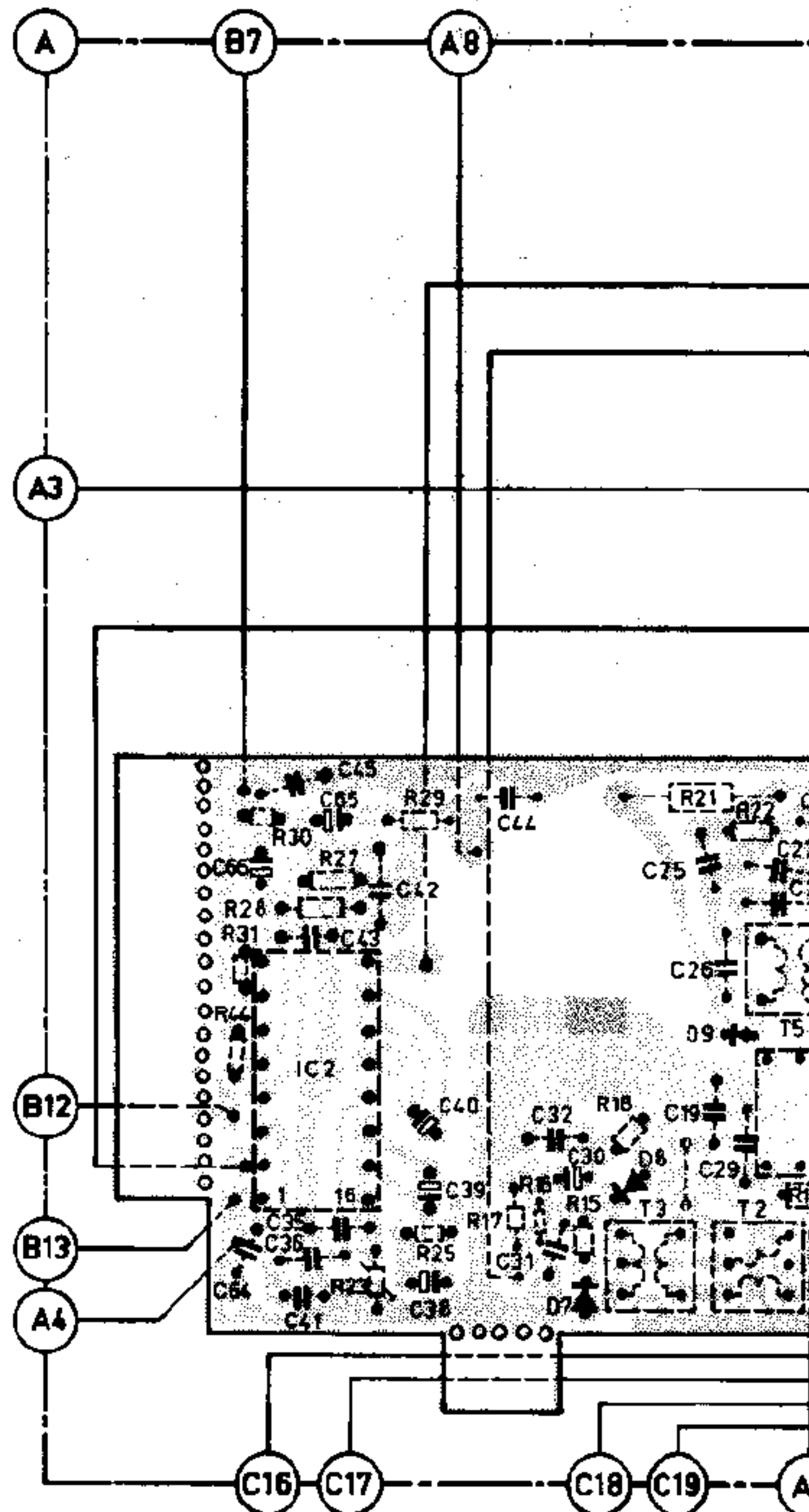
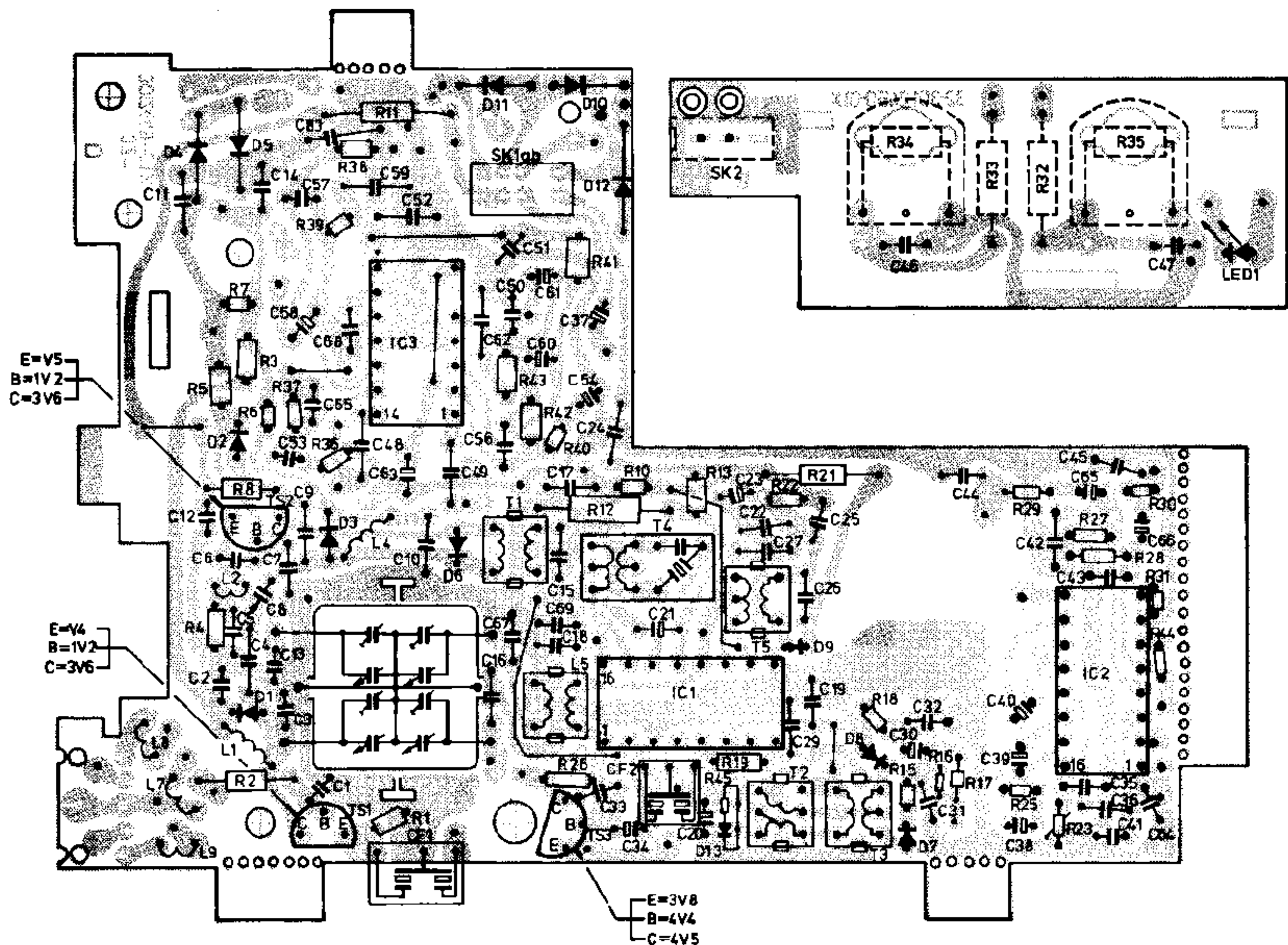


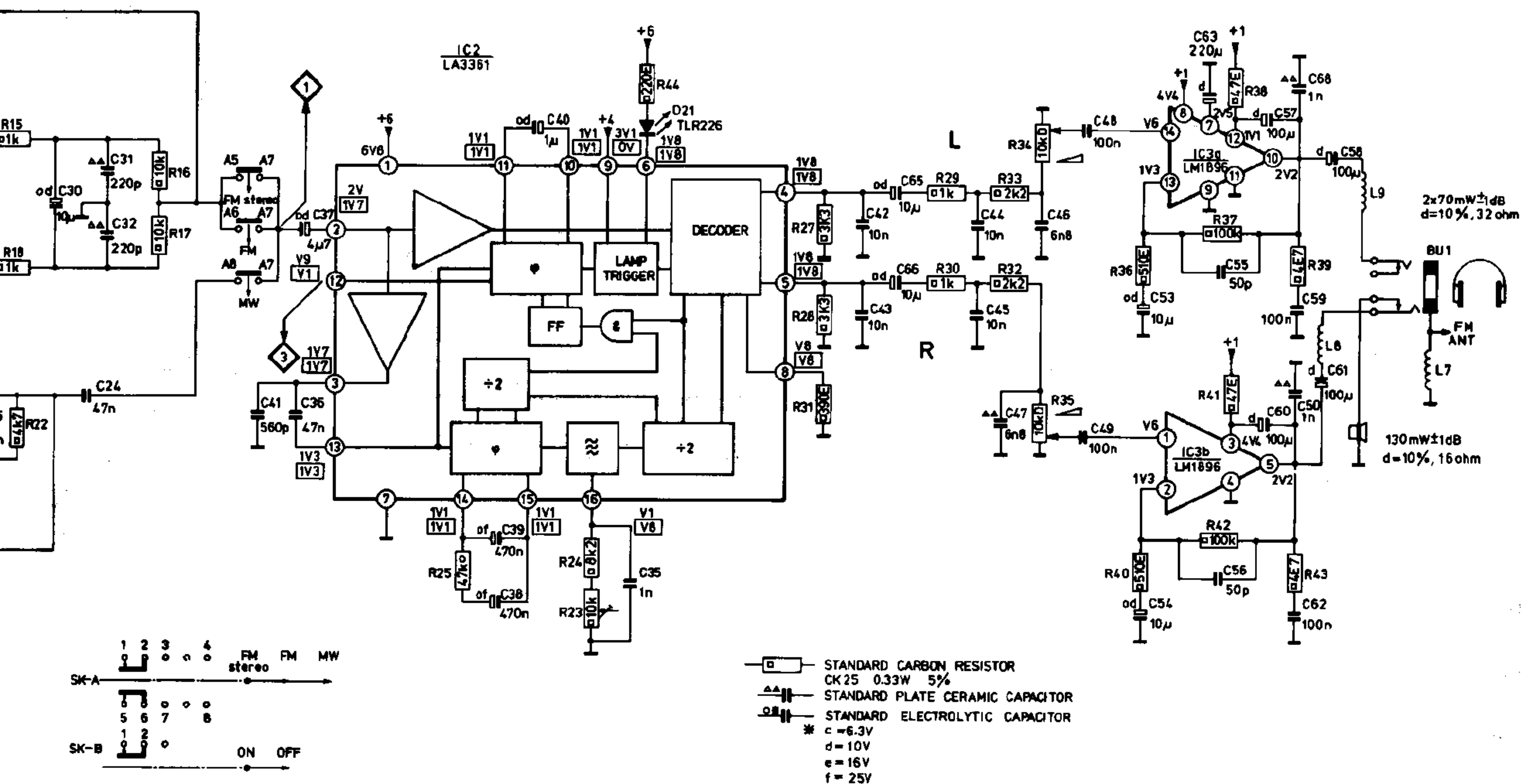
MISC.	TS3 D10 D11 D12 L2 D4 TS2 D6 L4 T1 L5 CF2 D13 T5 D9 D7																						
MISC.	CF1 D1 L1 TS1 D5 D2 L6 D3 T4 IC1 T2 T3 D8																						
C	52	51	33	34	19	2	VC1a	27	3	5	6	12	11	13	VC1d	10	67	15	29	21	26	25	
C	83			64	18	1	69	20	4	14	7	8	16	9	VC1b	17	VC1c			22	23	21	30
R			26			1		2	4		7		5			10			19	13		15	
R					3							8				6			12	45	11	18	22



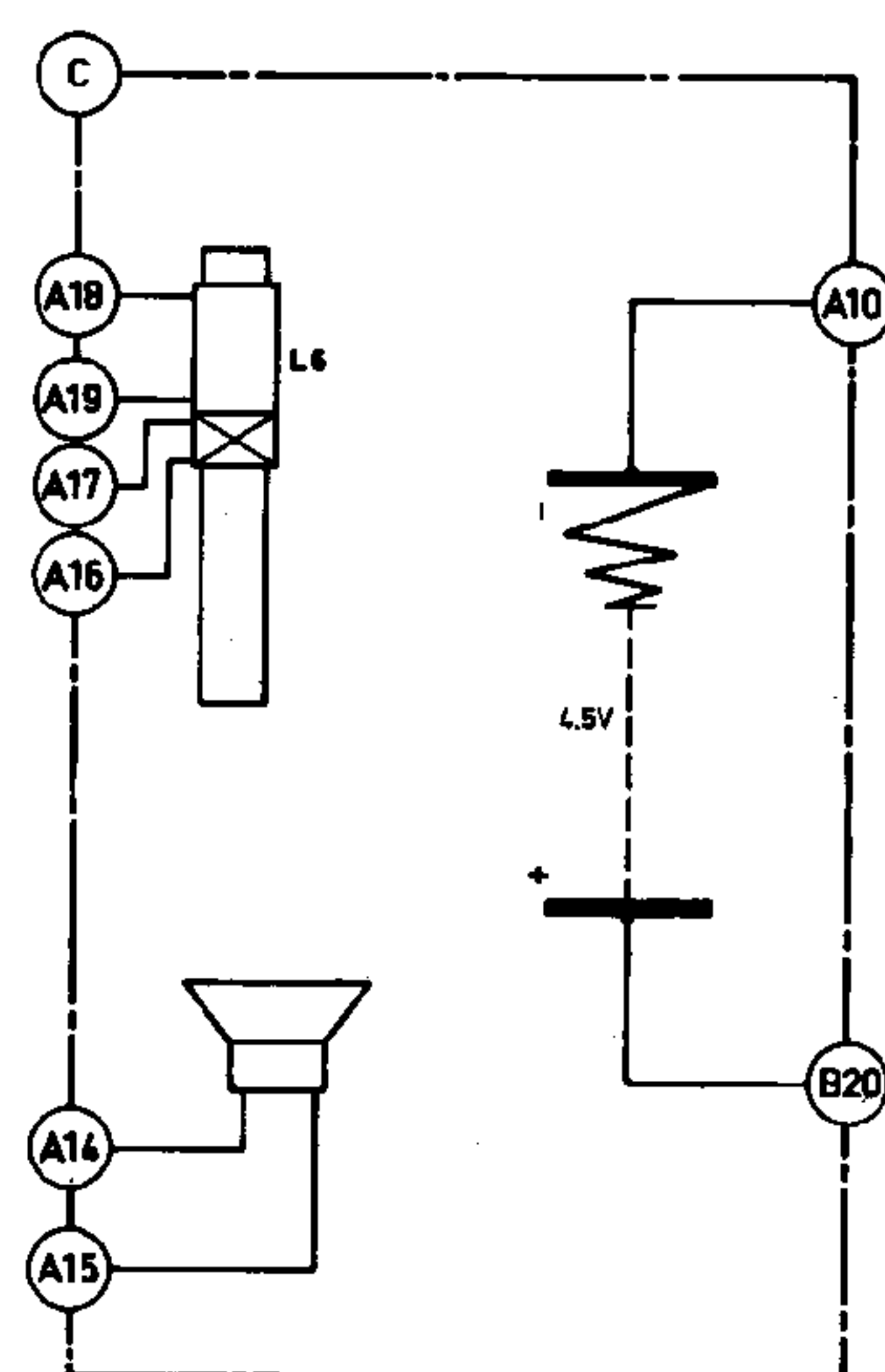
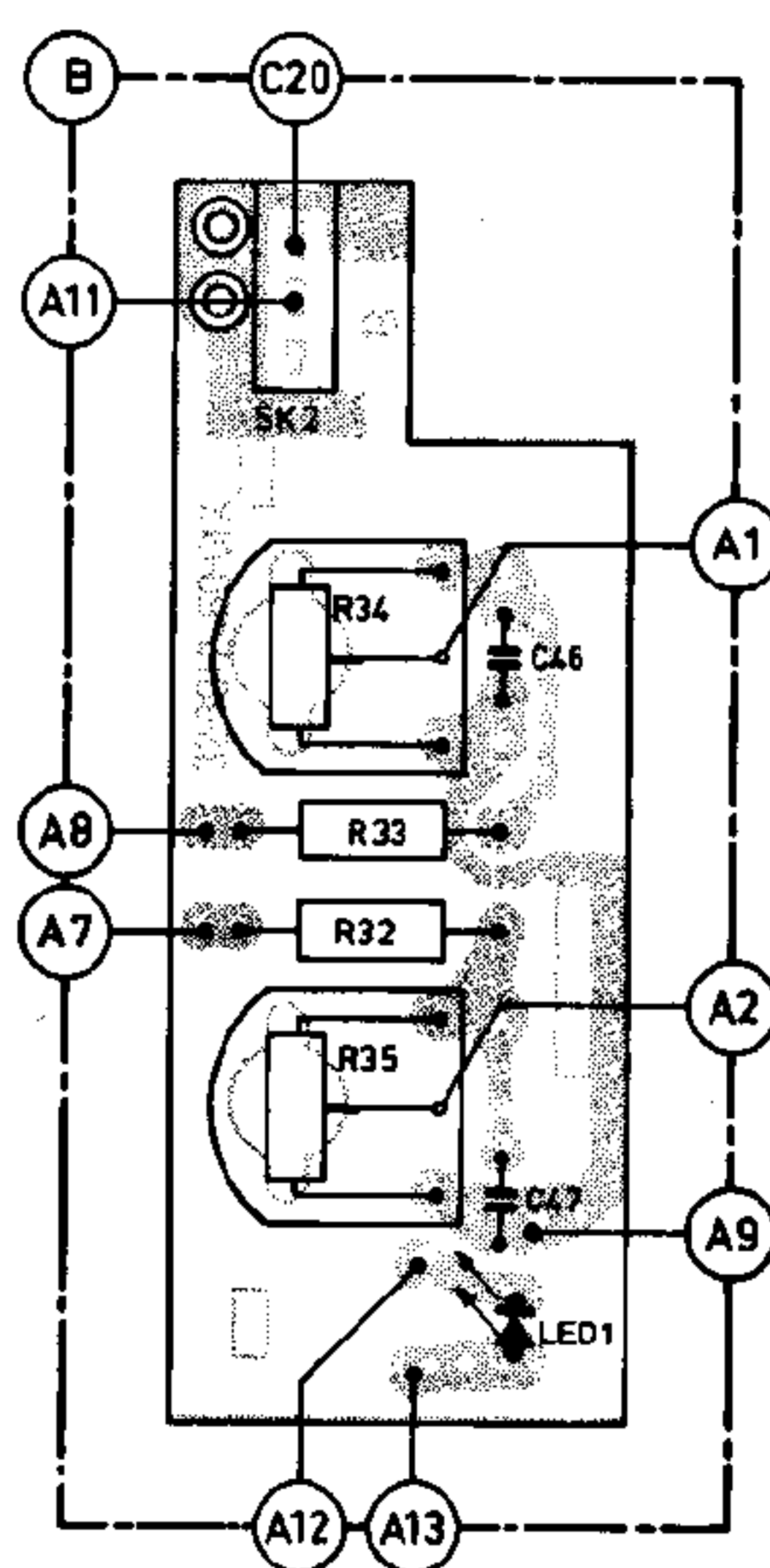
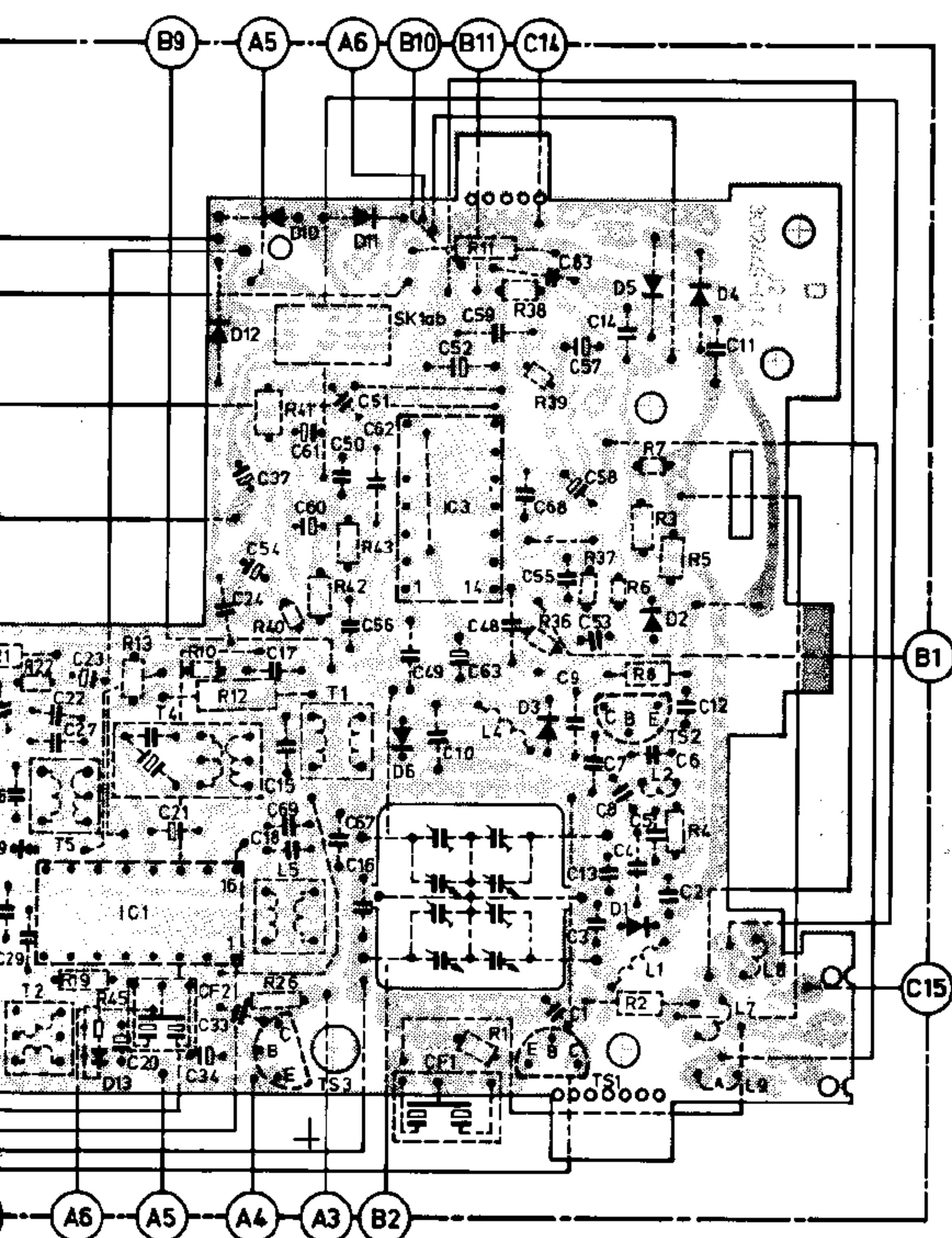
	L8	D4	D5	TS2	D3	L4	IC3	D11	L5	D12	IC1	SK2	D8	LED1												
MISC.	L7	D2	L1	TS1	CF1	D6	SK1ab	D10	T4	T5	D9	T3	D7	IC2												
	L9	L2	D1				T1	TS3	CF2	D13	T2															
C	11	6	14	3	57	55	68	52	49	56	51	61	15	17	37	21	23	29	25	32	44	40	42	36	45	47
	12	5	8	53	58	83	48	63	62	50	60	69	54	24	20	22	28	46	39	35	43	66	38	65	41	64
	2	4	13	7	9	1	59	10	16	67	18	33	34	43	26	10	13	27	19	30	31	38	65	41	64	
	6	8	6	37	38			63	26	10	13	22	15	25	32	27	35	31								
R	5	2			36	11		42	41		45	21	34	16	33	29	28	20	44							
	7	3		39	1			40	12		19		18	17		23	30									

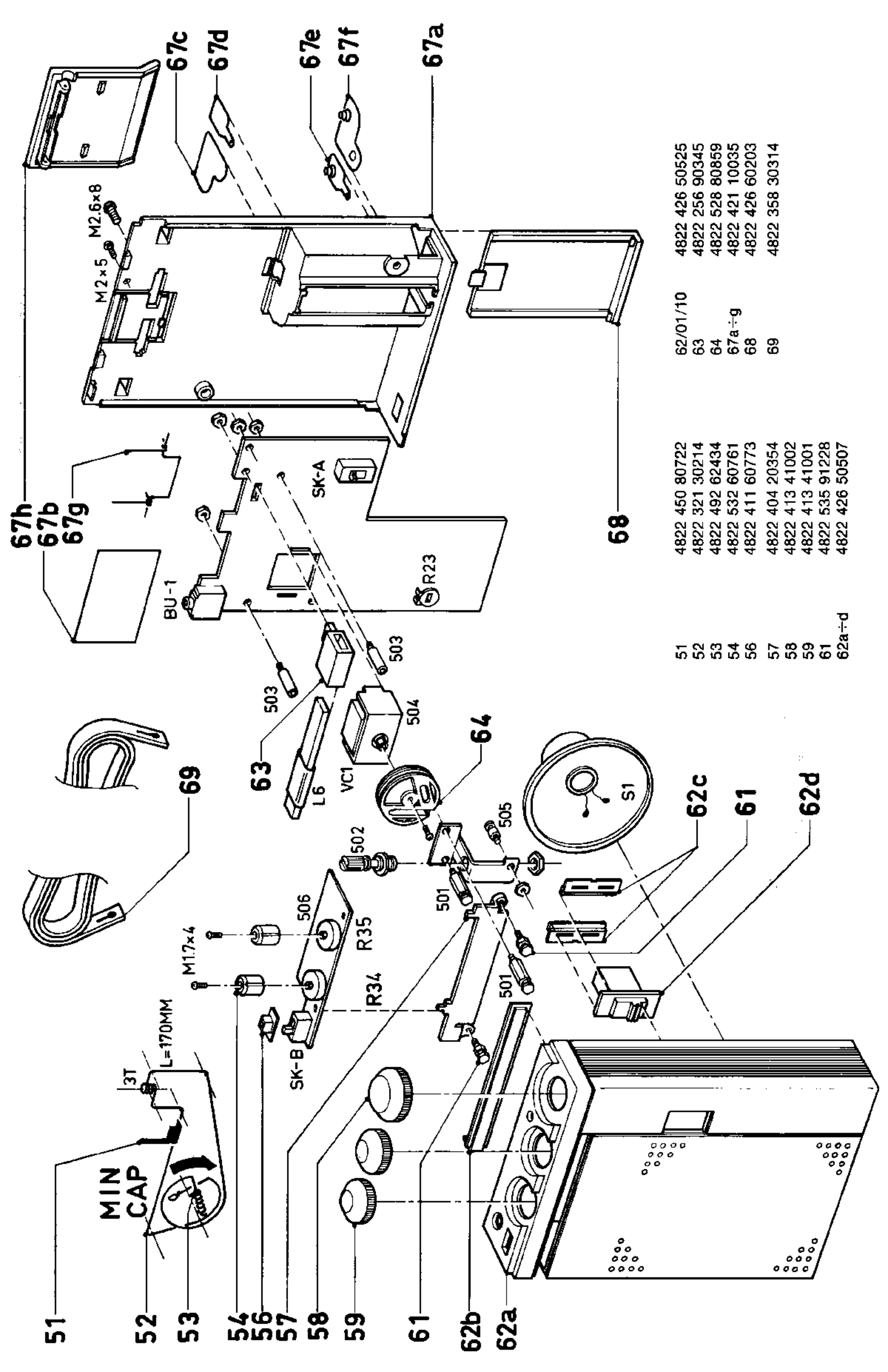
MISC.	IC2				D7		D8	D9		T5	
							T3	T2			
C	66	45	65	42	40	44	32	25		26	22
	43				35	39	30	19		27	
R	64	41	36	38		31			29		
	30	27		23	29	17	15	18	21	22	19
	31	28		25		16					
	44										





D9	T5	D13	T4	TS3	SK1ab	IC3	D3	L1	D5	D4	L8	SK2	LE01	L6								
T2	IC1	D12	L5	D11	CF1	TS1	TS2	L2	L7					Bu1								
	CF2	D10	T1	D6			D1	D2	L9													
25	26	22	23	20	34	37	17	18	61	51	62	10	59	83	55	57	3	14	6			46
19	27		21	24	54	15	60	50	56	49	52	48	1	9	53	8	5	12				
29				33	69	67	16				63	68	58	7	13	4	2	11				47
1	22	19	13	10	12	41	40	43			1	38	37	8	5						34	33
45				26							11	39	6	7	4						35	32
				42							36	2	3									



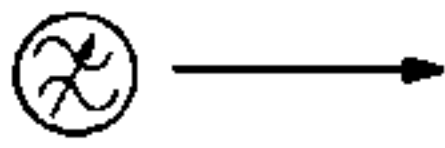
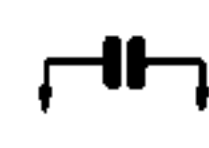
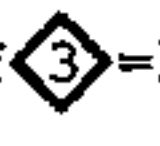


4822 426 50525
 4822 256 90345
 4822 528 80859
 4822 421 10035
 4822 426 60203
 4822 358 30314

4822 450 80722
 4822 321 30214
 4822 492 62434
 4822 532 60761
 4822 411 60773
 4822 404 20354
 4822 413 41002
 4822 413 41001
 4822 535 91228
 4822 426 50507

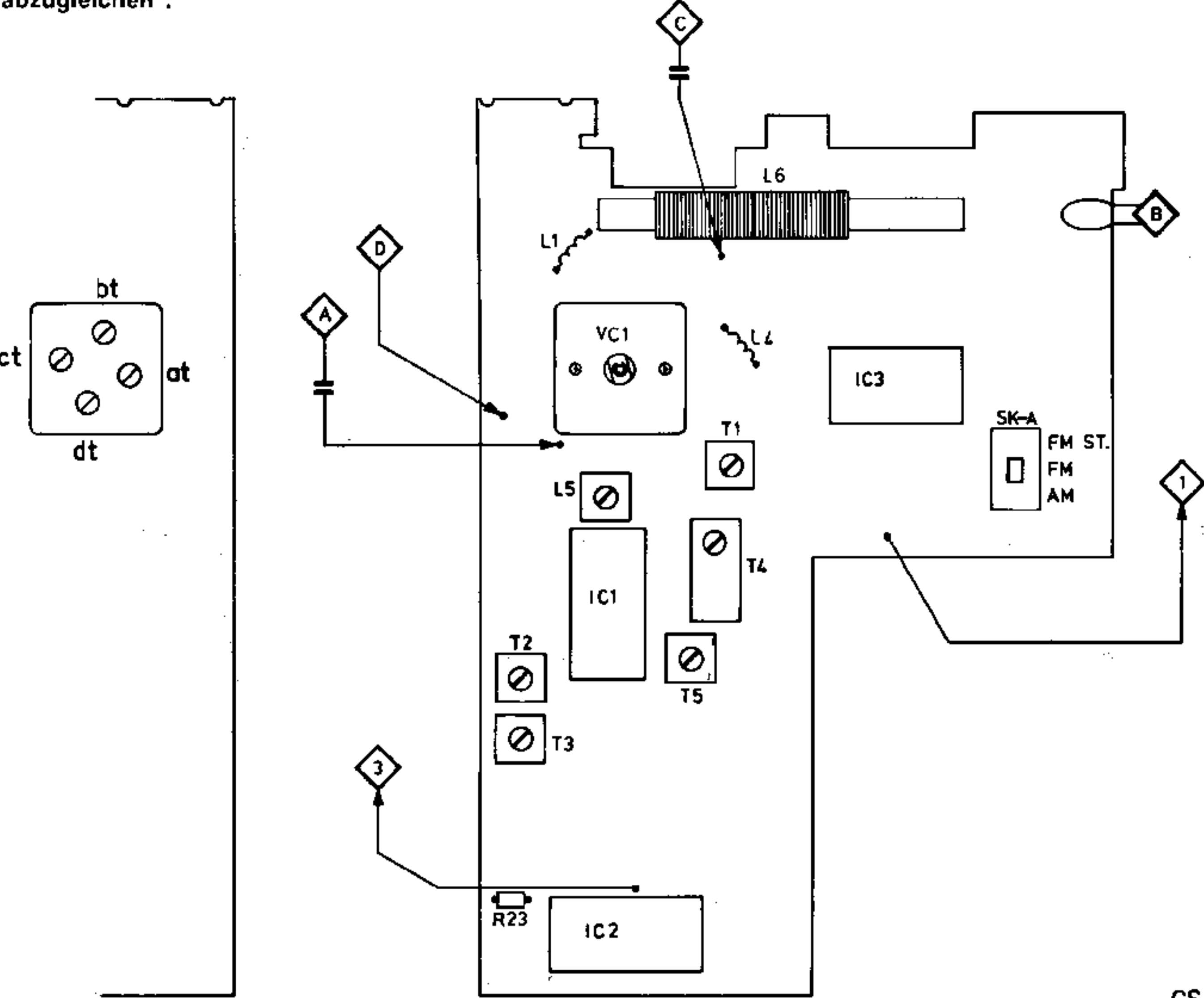
51
 52
 53
 54
 56
 57
 58
 59
 61
 62a-d

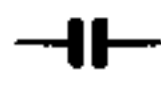
62/01/10
 63
 64
 67a-g
 68
 69

								
MW/PO (520-1605KHz)	468KHz * via 10nF		min.		T5 T4		max.	symm.
	512KHz		max.		L5		max.	
	1635KHz		min.		VC1ct			
	550KHz				L6			
	1500KHz				VC1dt			
	FM 87.5-108MHz	10.7MHz via 10nF		min.	T3	T1 T2		max.
			max.		T3			max.lin. + symm.
86.5MHz +					L4			
109MHz +					VC1bt			
88MHz					L1			
106MHz					VC1at			
FM Stereo					R23		f  = 19 ± 0.2KHz	

Repeat * /01/10 = 455 KHz
 + /02 = 87.4, 107.5 MHz

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



  					
D1,10,11,13	IN4148	4822 130 30621	VC1	VARCO	4822 125 20247
D2	FV1043	4822 130 30845	21,23	47 μ F 10V	4822 124 40397
D3,6-9,12	IN60	4822 130 30869	24	47 nF 25V	4822 122 10208
D4,5	CDG24	4822 130 30702	34,63	220 μ F 10V	4822 124 40399
D21	TLR226	4822 130 31516	35	1NF 5%	4822 121 41462
TS1,2	HIT9016G	4822 130 41686	36	47 nF 63V	4822 122 10212
TS3	ED1402E	4822 130 44196	41	560 pF 10%	4822 122 10211
IC1	UPC1018C	4822 209 80967	48,49	100 nF 12V	4822 122 10209
IC2	LA3361	4822 209 80968	52	1000 μ F 6,3V	4822 124 40402
IC3	LM1896	4822 209 80969	57,58,60,61	100 μ F 10V	4822 124 40398
			-Miscellaneous-		
CF1	FM ant. filter	4822 156 30828	BU-1	headphone	4822 267 30394
CF2	10,7 MHz cer. filter	4822 242 70393	R23	trimmer 10k	4822 101 20616
L2	IF trap coil	4822 157 51251	R34,35	potm. volume 10k	4822 101 10308
L5	MW osc. coil	4822 156 30823	S1	loudsp. 16 Ω	4822 240 30201
L6	MW ant. coil	4822 158 10522	SK-A	bandswitch	4822 277 20698
T1	FM-IFT	4822 156 30824	SK-B	power switch	4822 277 20697
T2	FM DET. prim.	4822 156 30825		ferrite bar	4822 158 60467
T3	FM DET. sec.	4822 156 30826		FM ext ant. jack	4822 268 90047
T4	468 kHz cer coil.	4822 242 70394		headphone	4822 242 40067
T4/01/10	455 kHz cer. coil	4822 242 70443			
T5	AM-IFT	4822 156 30827			