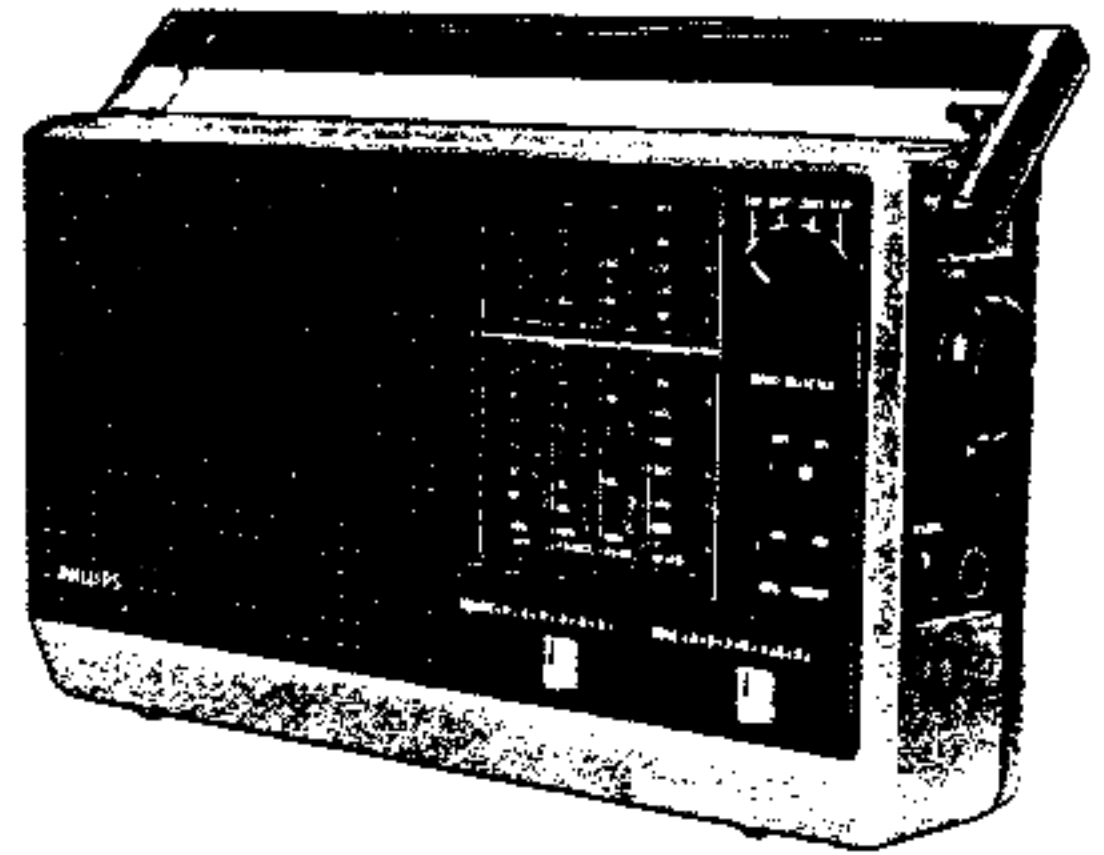


Service
Service
Service



Manual Service

CARACTERISTICAS TECNICAS

Alimentación	:	6 v. (4 x 1,5 v. R 20 TR) 110/220 v ~
Potencia de salida	:	900 mW (d - 10 % 4 Ω)
Frecuencia intermedia	:	FM : 10,7 MHz AM/00/43/45 : 452 KHz /22 : 460 KHz
Rangos de Onda	:	OM : 520 - 1605 KHz OC - 1 : 2,2 - 7,3 MHz OC - 2 : 9,5 - 21,75 MHz FM : 87,5 - 108 MHz
Dimensiones	:	Altura : 165 + 40 (manija) mm Anchura : 290 + 10 (perillas) mm Profundidad : 70 mm

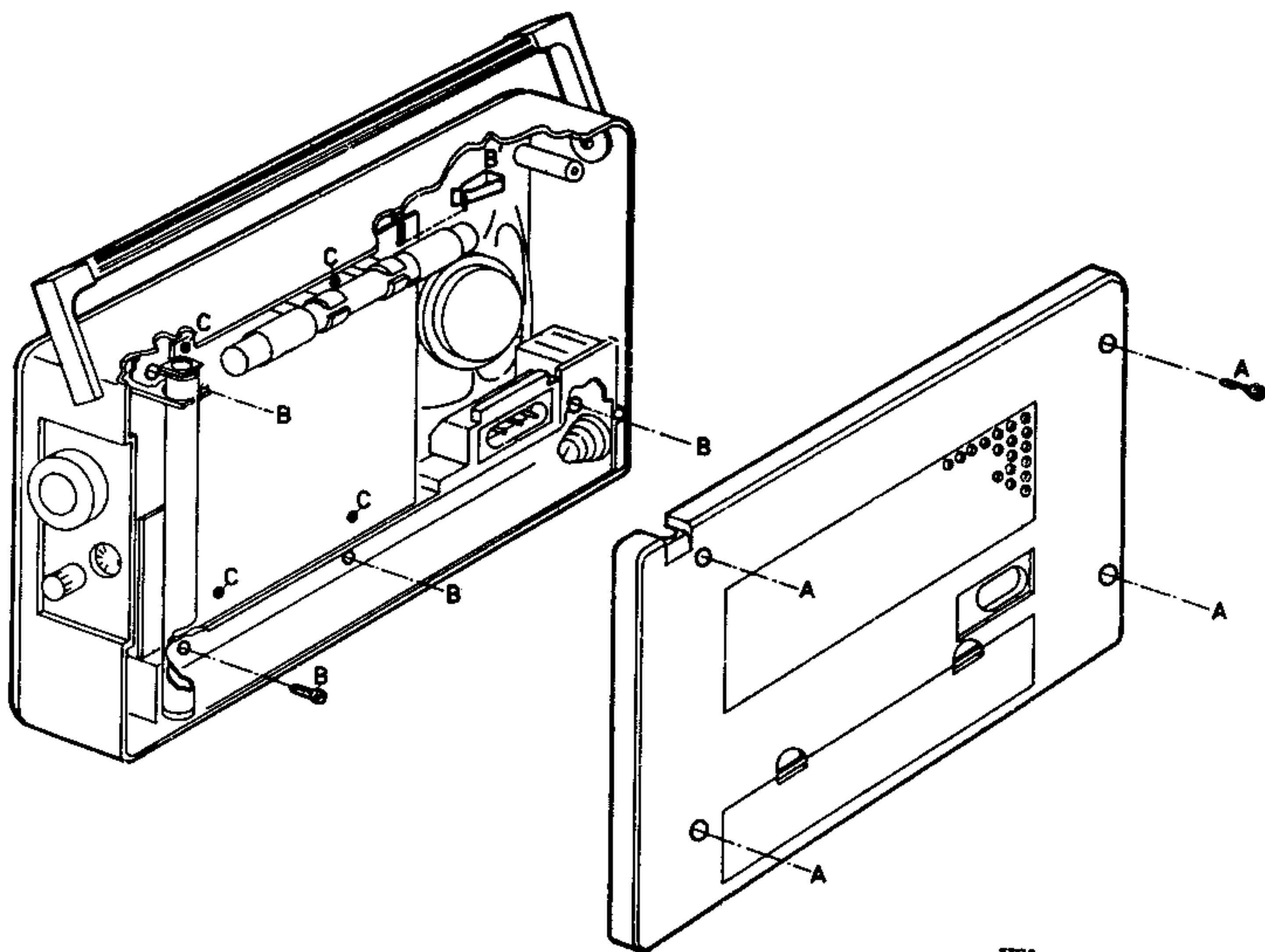
NOVIEMBRE 1977



PUBLICACION DEL DEPARTAMENTO SERVICE CENTRAL
BUENOS AIRES

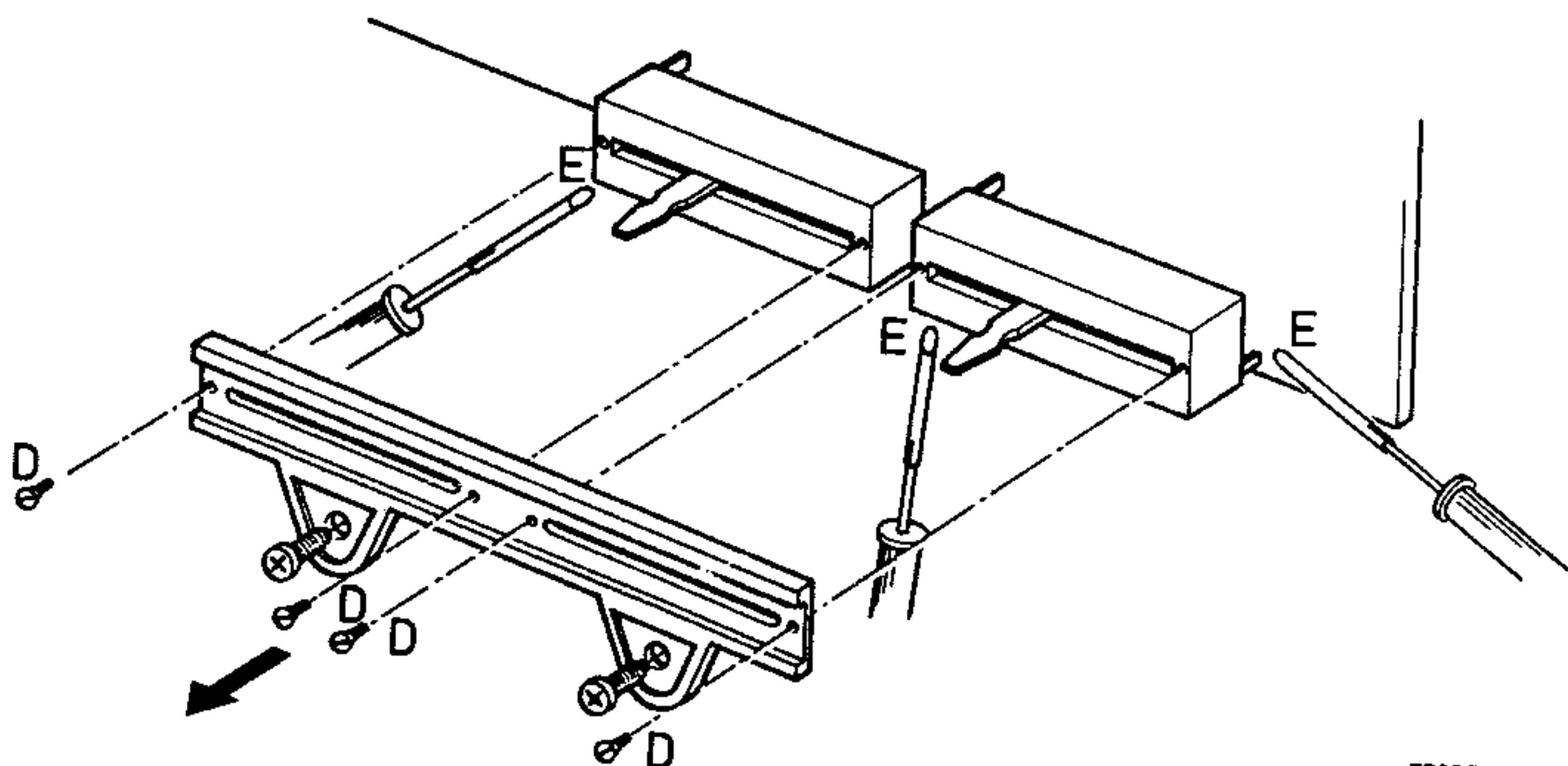
ARGENTINA

PHILIPS

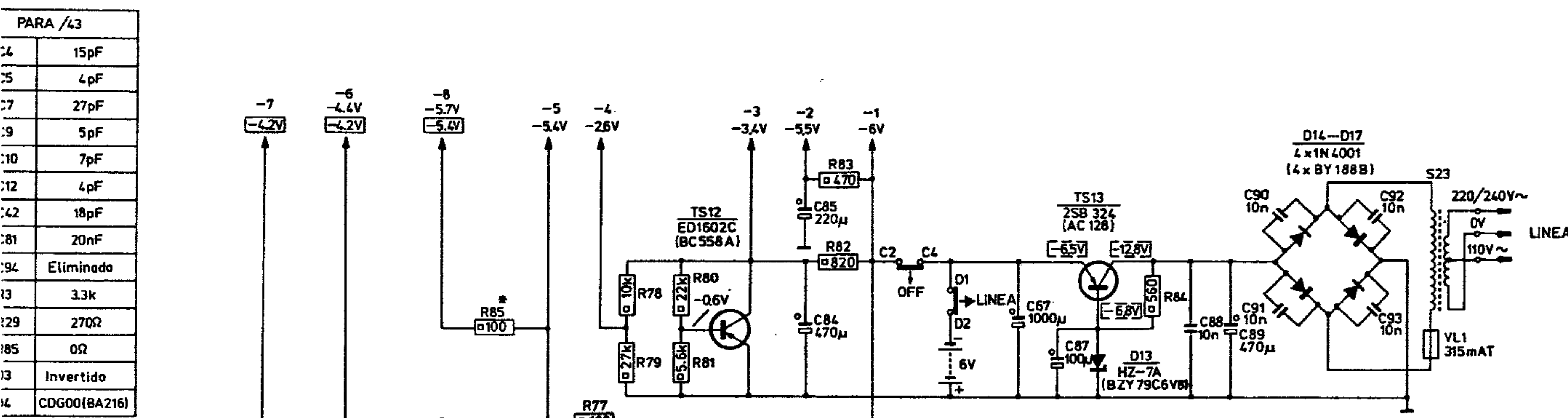
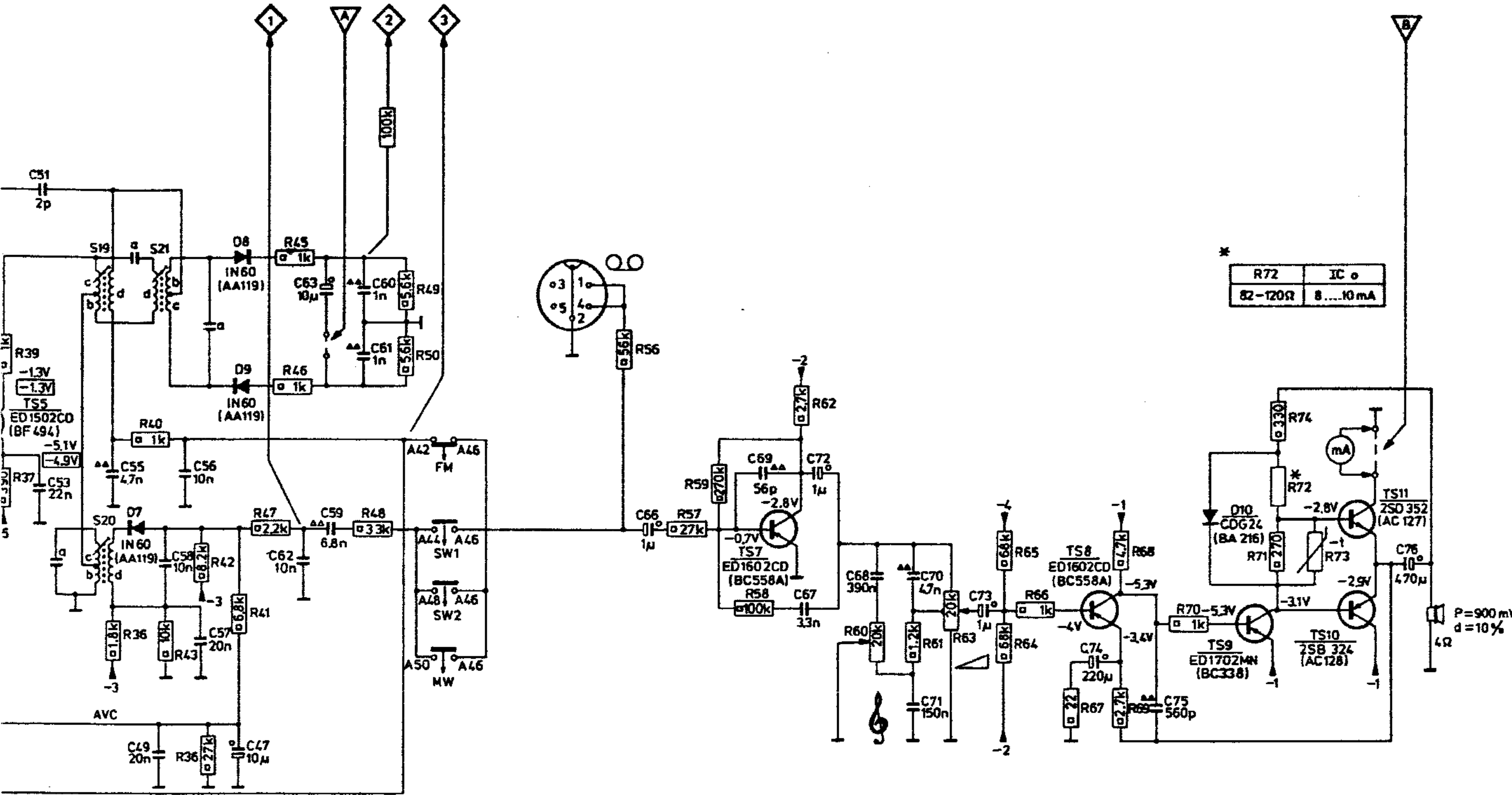


CHASIS: A - B

R44, R47: A - B - D - E

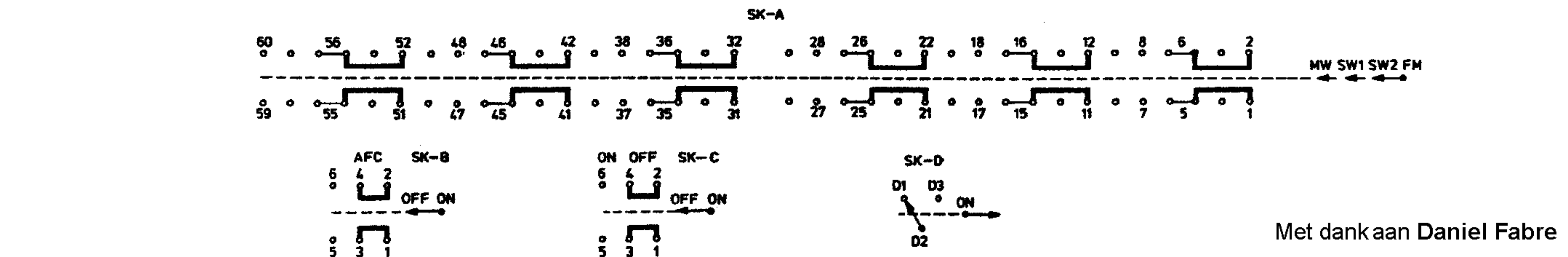


5	S19	S21	O8	O11,12	TS12	TS7	TS8	O10	TS9	TS10	TS11	MISC																				
	S20	O7	O9				TS13	O13		O14--O17	S23 VL1	MISC																				
53	51	55	49	58	56	57	47	60	54			C1--30																				
												C31--60																				
												C61--94																				
												R1--25																				
39	36	40	43	42	36	41	47	45	46	48	49	50	56	57	59	58	60															R26--60
																																R61--85

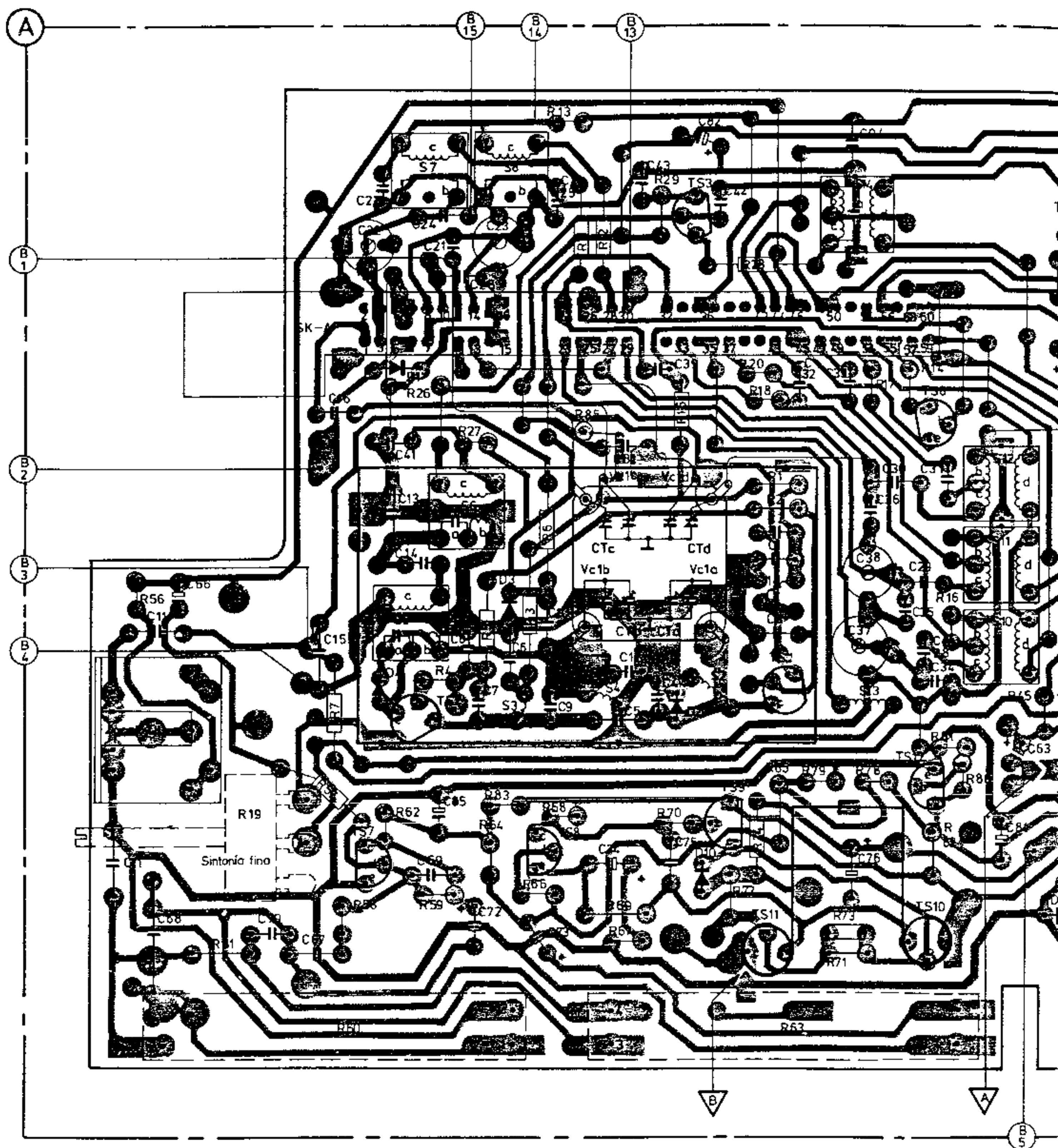


A DIBUJADO EN POSICION FM

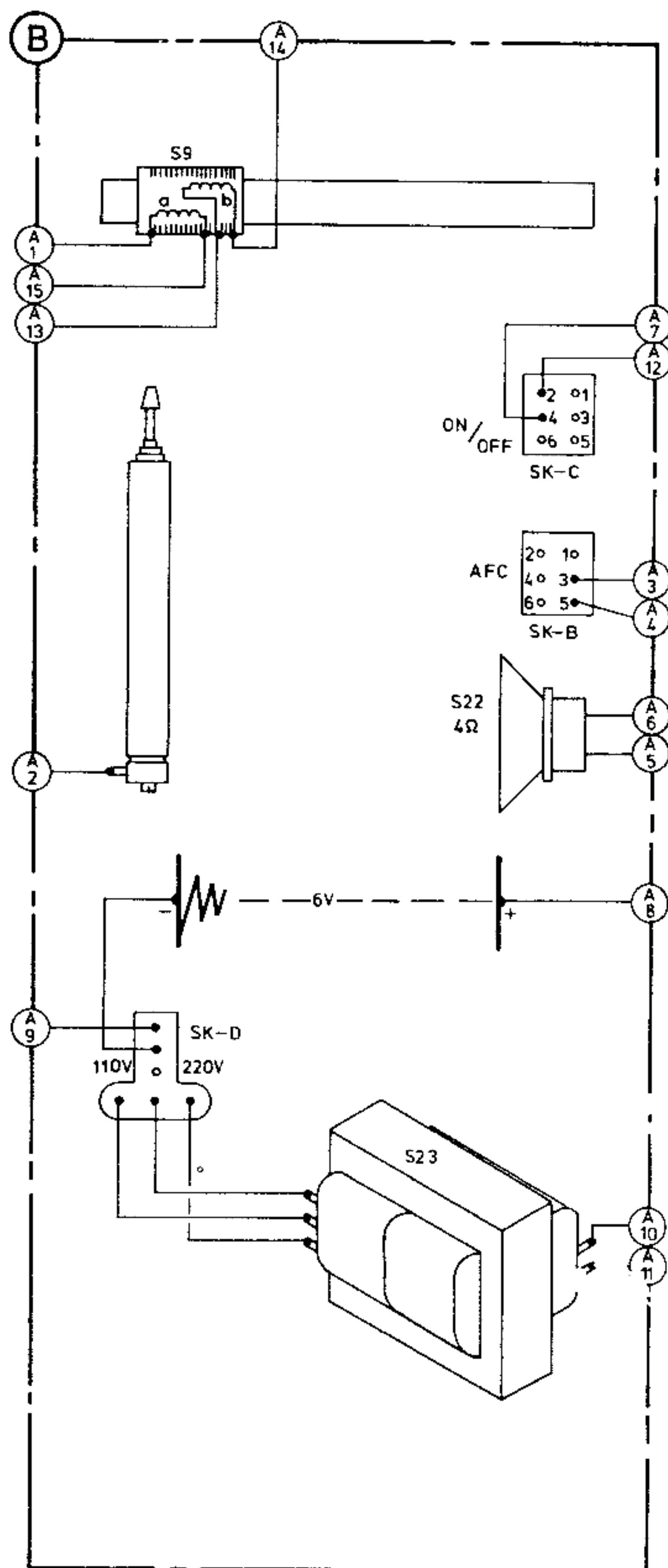
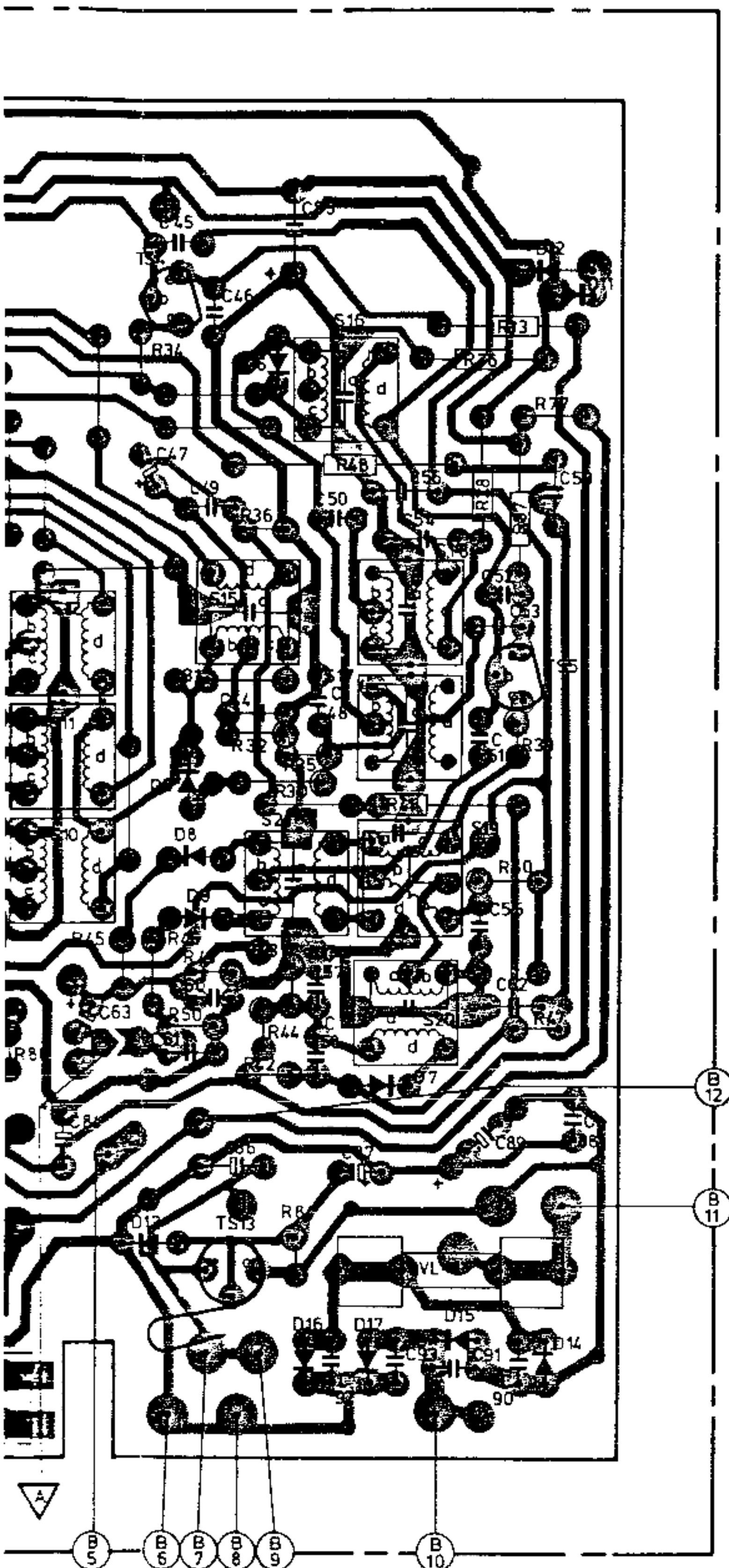
IMETRO
TRONICO



MISC	SK-A	S7 D1	S8	CTc Vc1c CTb Vc1d CTd TS3	S14	TS6	
MISC		D4 S5 TS2 S6 D3 S3 Vc1b	CTa S4 Vc1a	S2 S1 TS1	S13	S12.11.10	
MISC		TS7	TS8	D2 D10 TS9 TS11	TS12.10		
C		16 22 27	24 21 26 23	25	43 39 82 42	32 33	94
C		11 66	15 41	13 14 8 7 6	10 9 12 81 5 12 4	2 1 3	35...38 28...31 34
C		71 68	70 67	69 85 72 73	74 75		76 84
R			26 27	13 11 12	29	28 20 18	17 14
R		56	7	4 5	3 6 85	15	1 2
R							81 16 45
R		61 19	57 58 60	62 59 64 83	66 68	69 67 70	72 74 65 63 79 73 71 78 82 80

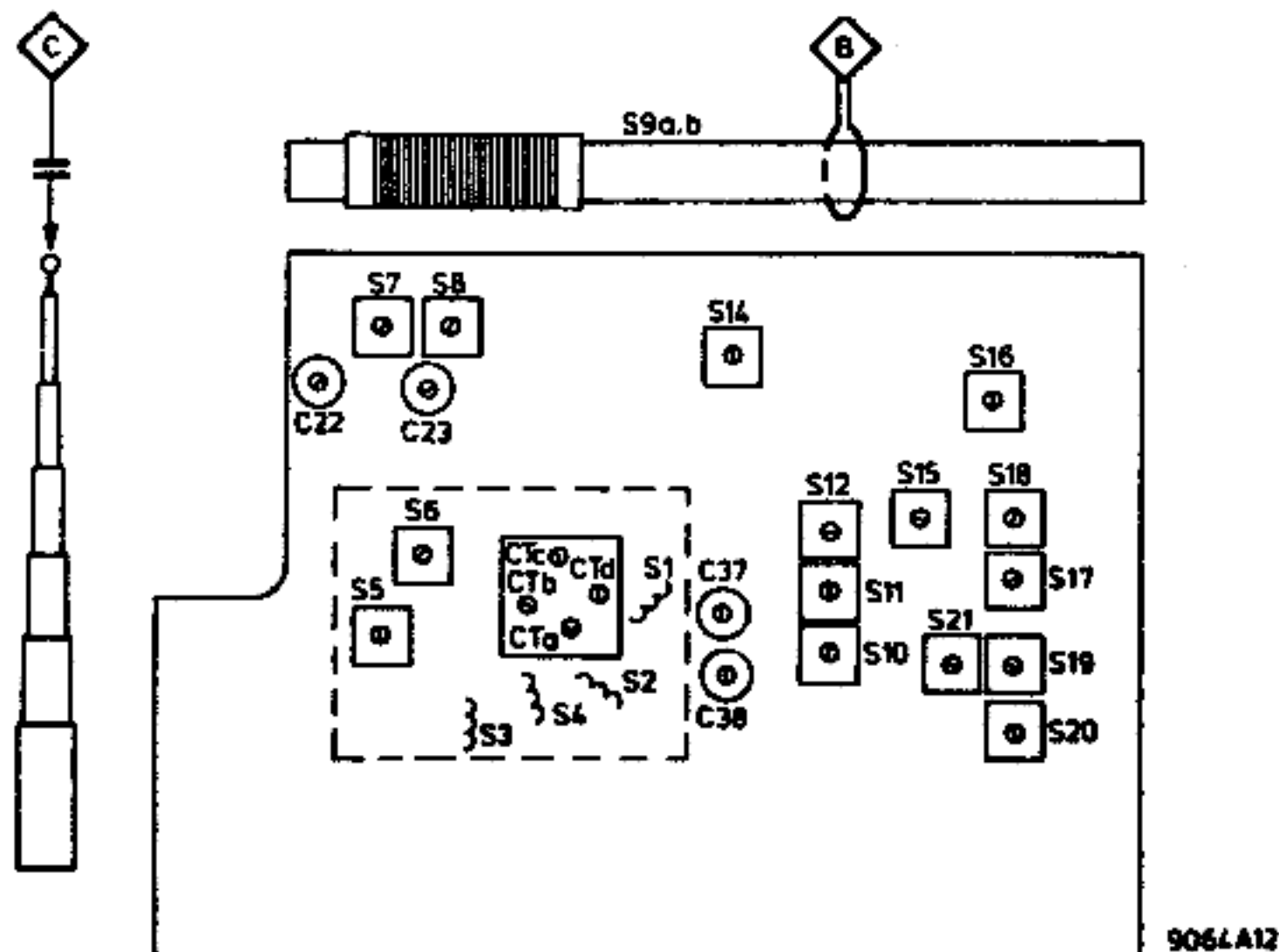


	TS4	D6	S16	S18	D12	D11	S9a,b	SK-C	MISC		
S12,11,10	D5,8,9	S15	S21	S17	S19,20	D7	TS5	SK-D	S22	SK-B	MISC
	D13	TS13	D16	D17	VL-1	D15	D14		S23		MISC
	47 45 49 46	83	50	54 56		59					C
34	63	60	44	57 48		51 52 53	55 62				C
	84	61	86	58 92 87	93	91 90 89	88				C
		34	36	48		76 38 33 37	77				R
	45	46 49 31 32 43 30 35		41		40 39 47					R
80		50	42 44 84								R



SK ... Rango de onda	Inyectar señal en		Cap. var.	Desintonizar	Ajustar	Indicación
OM (520-1605 kHz)	1 via 40 nF	A	Min. cap	S12, S15 S17, S18, S20	S15	1 max.
					S17	
					S18	
					S20	
					S12	
OC 1 (2,3-7,3 MHz)	512 kHz	B	Max. cap.		S12	1 max.
					Ctd	
					S9a,b	
					Ctc	
					S11	
OC 2 (9,5-21,75 MHz)	7,45 MHz	C via 5.6 pF	Min. cap.		C38	1 max. 2
					S8	
					C23	
					S10	
					C37	
OC 2 (9,5-21,75 MHz)	22,2 MHz	C via 5.6 pF	Min. cap.		S7	1 max.
					C22	
					S5	
					S6	
					S14	
FM (87,5-108 MHz)	10,7 MHz via 20 nF $\Delta f = 200$ kHz (50 Hz)	D	Min. cap.	S5, S6, S14 S16, S19, S21	S16	2 3
					S19	
					S21	
					S4	
					Ctb	
FM (87,5-108 MHz)	86,5 MHz	E via 40 pF	Max. cap.		S4	3 max.
					Ctb	
					S2	
					Cta	
					S12	

Repetir



1 La FI - AM para 00/43/45 es 452 KHz.
La FI - AM para /22 es 460 KHz

2 Con la antena telescópica cerrada girar el potenciómetro R 19 de sintonía fina a la posición media.

3 Colocar la llave CAF en posición No.

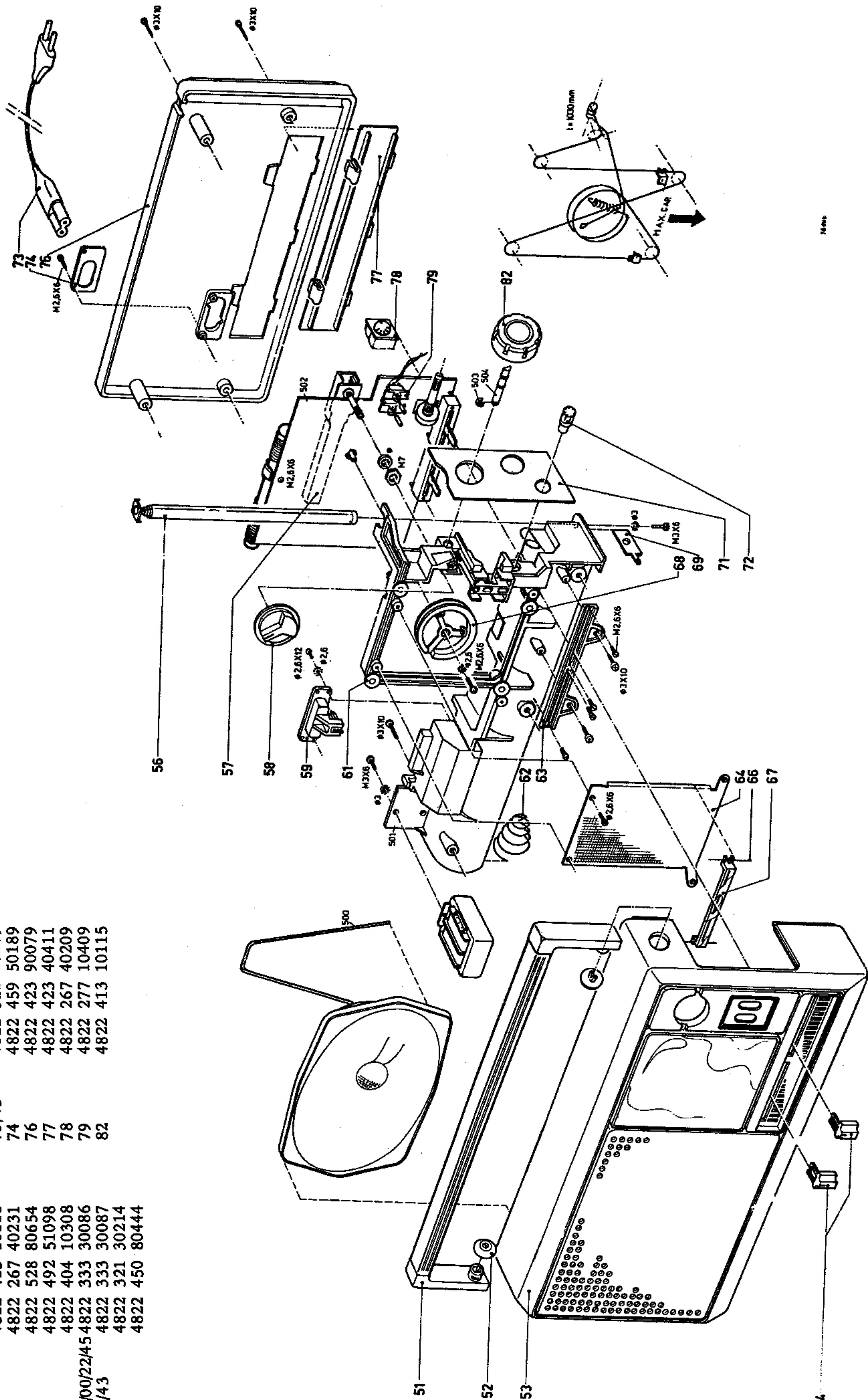
Abrir el punto **A** Conectar un osciloscopio a **2** a través de un resistor de 100 K Ω . Ajustar la curva de FI - FM a máxima altura y simetría.

4 Cerrar el punto **A** Conectar un osciloscopio a **3** Ajustar la curva S a máxima simetría y linealidad.

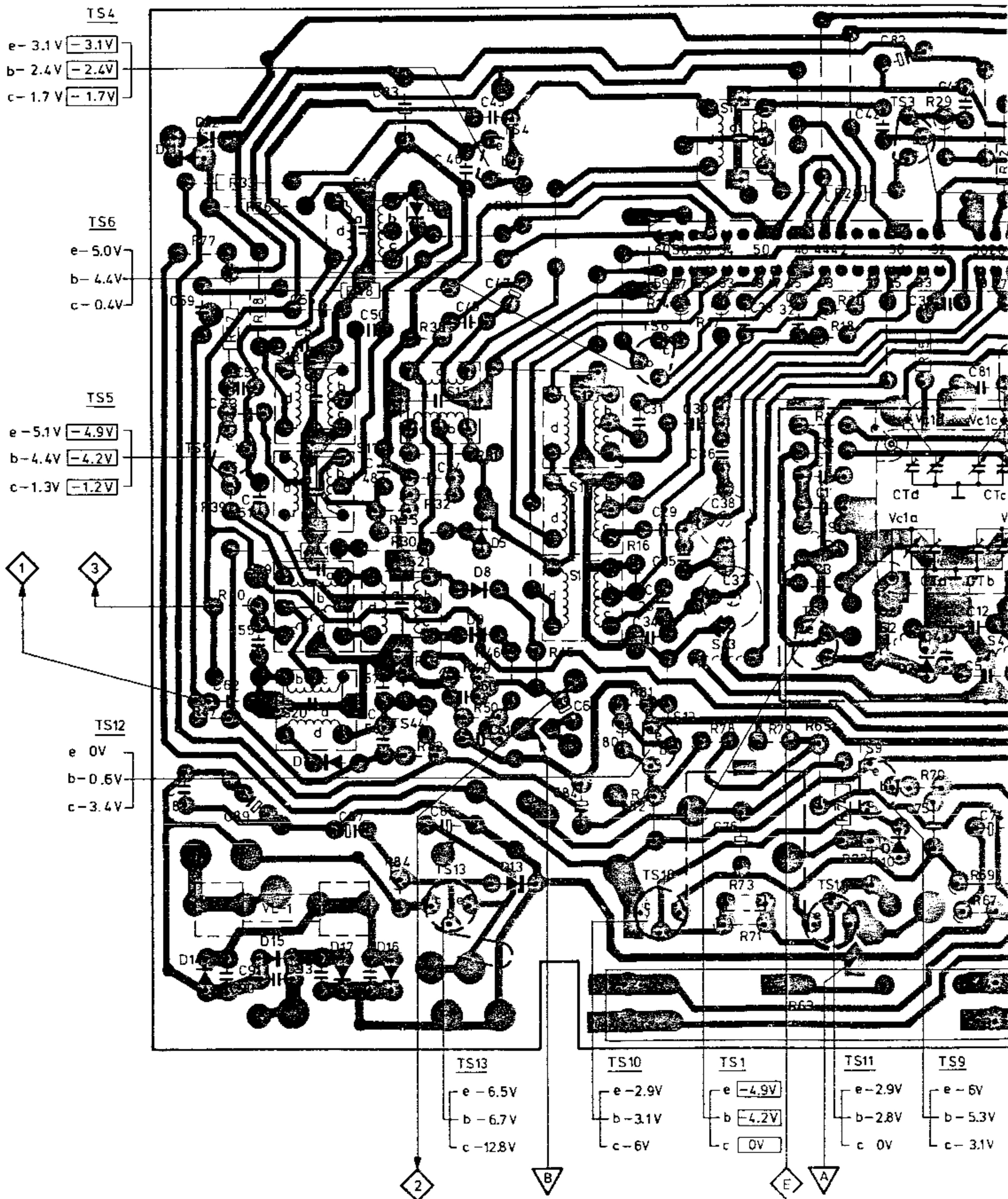
LISTA DE PARTES MECANICAS

51	4822 498 10048	4822 528 80616
52	4822 462 70659	4822 290 80259
53	4822 423 50265	4822 459 50197
54	4822 411 60457	4822 413 90045
56	4822 303 30175	4822 321 10171
57	4822 273 80166	4822 321 10156
58	4822 413 10116	4822 321 10169
59	4822 267 40231	4822 459 50189
61	4822 528 80654	4822 423 90079
62	4822 492 51098	4822 423 40411
63	4822 404 10308	4822 267 40209
64/00/22/45	4822 333 30086	4822 277 10409
64/43	4822 333 30087	4822 413 10115
66	4822 321 30214	
67	4822 450 80444	

68	4822 528 80616
69	4822 290 80259
71	4822 459 50197
72	4822 413 90045
73/00/22	4822 321 10171
73/43	4822 321 10156
73/45	4822 321 10169
74	4822 459 50189
76	4822 423 90079
77	4822 423 40411
78	4822 267 40209
79	4822 277 10409
82	4822 413 10115



MISC.	D11	D12	S18	S16	D6	TS4	TS6	S14	TS3	CTd	Vc1d	CTb									
MISC.	TS5	D7	S20,19	S17	S21	S15	D9,8,5	S10,11,12,	S13	TS1	S1	S2	Vc1a	S4	CTa						
MISC.	D14	D15	VL-1	D17	D16	TS13	D13	TS10,12	TS11	TS9	D10	D2									
C	59	56	54	50	83	46	49	45	47	33	32	42	82	39	43						
C	62	55	53	52	51	48	57	44	60	63	34	28...31	35...38	3	1	2	4	12	5	81	
C	88	89	90	91	93	87	92	58	86	61	84	76	75	74							
R	77	37	33	38	76	48	36	34	14	17	18	20	28	29	12						
R	47	39	40	41	35	30	43	32	31	49	46	45	16	81	12	15					
R					84	44	42	50	80	82	78	71	73	79	63	65	74	72	70	67	69



Legend:

- TS3:**
 - e: -4.9V
 - b: -4.2V
 - c: -1.0V
- ED1502, ED1602:**
 - e, b, c
- BC338, BC558, ED1702:**
 - e, b, c
- BF494:**
 - b, e, c
- AC127, AC128, 2SD352, 2SB324:**
 - e, b, c
- BA216, 1N4001:**
 - a, k
- AA119, 1N60, red BZX79:**
 - a, k
- BY188B:**
 - a, k

TS2:

- e: -4.8V
- b: -4.2V
- c: 0V

TS1:

- e: -4.8V
- b: -4.2V
- c: 0V

Other components:

- R19:** Sintonia fina
- R68:** 100k
- R69:** 100k
- R70:** 100k
- R71:** 100k
- R72:** 100k
- R73:** 100k
- R74:** 100k
- R75:** 100k
- R76:** 100k
- R77:** 100k
- R78:** 100k
- R79:** 100k
- R80:** 100k

Other components:

- C1:** 100pF
- C2:** 100pF
- C3:** 100pF
- C4:** 100pF
- C5:** 100pF
- C6:** 100pF
- C7:** 100pF
- C8:** 100pF
- C9:** 100pF
- C10:** 100pF
- C11:** 100pF
- C12:** 100pF
- C13:** 100pF
- C14:** 100pF
- C15:** 100pF
- C16:** 100pF
- C17:** 100pF
- C18:** 100pF
- C19:** 100pF
- C20:** 100pF
- C21:** 100pF
- C22:** 100pF
- C23:** 100pF
- C24:** 100pF
- C25:** 100pF

Other components:

- S1:** 100k
- S2:** 100k
- S3:** 100k
- S4:** 100k
- S5:** 100k
- S6:** 100k
- S7:** 100k
- S8:** 100k
- S9:** 100k
- S10:** 100k
- S11:** 100k
- S12:** 100k
- S13:** 100k
- S14:** 100k
- S15:** 100k
- S16:** 100k
- S17:** 100k
- S18:** 100k
- S19:** 100k
- S20:** 100k
- S21:** 100k
- S22:** 100k
- S23:** 100k
- S24:** 100k
- S25:** 100k
- S26:** 100k
- S27:** 100k
- S28:** 100k
- S29:** 100k
- S30:** 100k
- S31:** 100k
- S32:** 100k
- S33:** 100k
- S34:** 100k
- S35:** 100k
- S36:** 100k
- S37:** 100k
- S38:** 100k
- S39:** 100k
- S40:** 100k
- S41:** 100k
- S42:** 100k
- S43:** 100k
- S44:** 100k
- S45:** 100k
- S46:** 100k
- S47:** 100k
- S48:** 100k
- S49:** 100k
- S50:** 100k

8924D2

- TS -			- R -		
TS1,2,4,5,6	BF 494	4801 130 44195	R19	Potenci6metro sintonía fina	
TS3	BF 495	4801 130 40947		OC 1 K Ω	4822 101 20475
TS7,8,12	BC558A	4801 130 40962	R60	Potenci6metro deslizante	
TS9	BC338	4801 130 44121		de tono 20 K lineal	4822 105 10233
TS10,13	AC128	4801 130 40095	R63	Potenci6metro deslizante	
TS11	AC127	4801 130 40096		p.volumen 20 K Log.	4822 105 10234
			R73	N.T.C. termistor	4822 116 30179
- D -			- C -		
D1,2,4,6,10			C51	Cer.cap. 2pF	pF 4822 122 31186
11,12	BA 216	5322 130 30702	C5,12	Cer.cap. 4pF	pF 4822 122 30003
D3	FV1043	4822 130 30845	C9,25	Cer.cap. 5pF	pF 4822 122 40103
D5,7	AA119	4801 130 40229	C10	Cer.cap. 7pF	pF 4822 122 31049
D8,9	2AA119 (par)	4822 130 30312	C35	Cer.cap. 8pF	pF 4822 122 31052
D13	BZX79/C6V8	5322 130 30768	C56,62,58,88		
D14,15,16,17	BY188B	4822 130 30829	90,91,92,93	Cer.cap. 10KpF - 20 %	4822 121 50582
- S -			C41,49,54,57		
S3	FM bobina trampa	4822 157 50791	81	Cer.cap. 20KpF - 20 %	4822 122 30103
S5,6	FIT - FM (naranja)	4822 156 30439	C15	Cer.cap. 100KpF - 20 %	5322 122 34052
S7	OC2 bobina aerea	4822 157 50856	C59	Cer.cap. 6800pF - 10 %	4822 121 50538
S8	OC1 bobina aerea	4822 157 50855	C30	Poly.cap. 340pF - 5 %	4822 121 50559
S9	OM bobina aerea	4822 158 10389	C23	Trimmer 5 pF	4822 125 50077
S10	OC2 bobina osciladora	4822 157 50857	C22,37,38	Trimmer 10 pF	4822 125 50062
S11	OC1 bobina osciladora	4822 156 40621	VC - 1	Cap. Variable	4822 125 20186
S12	OM bobina osciladora	4822 156 30523	Miscelaneas		
S13	Inductor 8,2 μ H	4822 157 50829	Varilla ferrite 10 x 140 mm		
S14,16	FIT - FM (verde)	4822 157 50861	Fusible 315 mA, lento		
S15	FIT - AM (amarillo)	4822 153 10268			
S17,18	FIT - AM (blanco)	4822 153 10269			
S19	FIT - FM (rosa)	4822 153 10237			
S20	FIT - AM (negro)	4822 153 10232			
S21	FIT - FM (azul)	4822 156 30442			
S22	Altoparlante 4" x 6" 4 Ω	4822 240 20142			
S23	Transformador de poder	4822 145 30145			

NOTAS

This image shows a single sheet of white paper with seven horizontal dashed lines, typical of primary-ruled notebook paper. The lines are evenly spaced and extend across the width of the page. There is no handwriting or other markings on the paper.