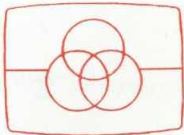


Data recorder D6450/00/30P

Service
Service
Service

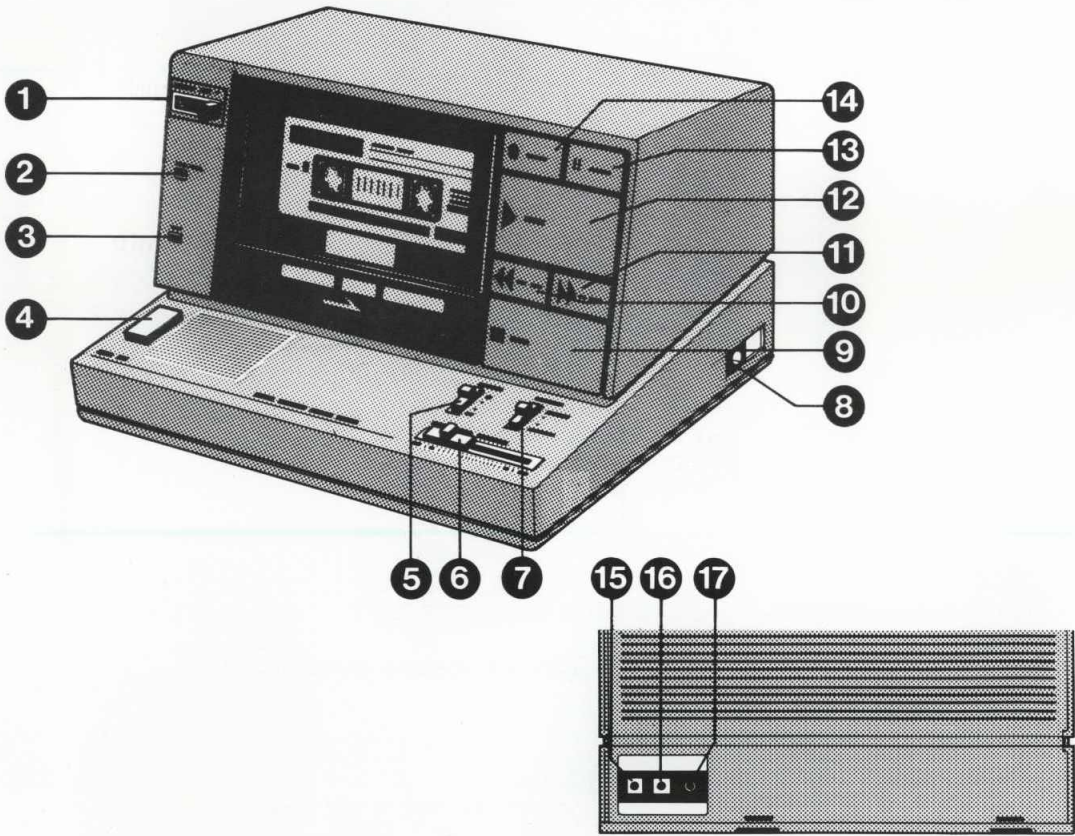
For repair information of the cassette mechanism see
Service Manual of "Recorders tape deck RU-1" and
"Recorders tape deck RU-3".



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Service Manual



37 855 A12

SPECIFICATIONS

	: 9 V 6x R14
Frequency response	: 500-6300 Hz*
Tape speed	: 4.76 cm/sec ± 2%
Wow and Flutter	: ≤ 0,35%
Input BU103	: 0,5 mV 2 kΩ
Output BU102	: 7 V _{pp} 50 Ω
S/N ratio	: 26 dB (full rectangular output signal at 1000 Hz)

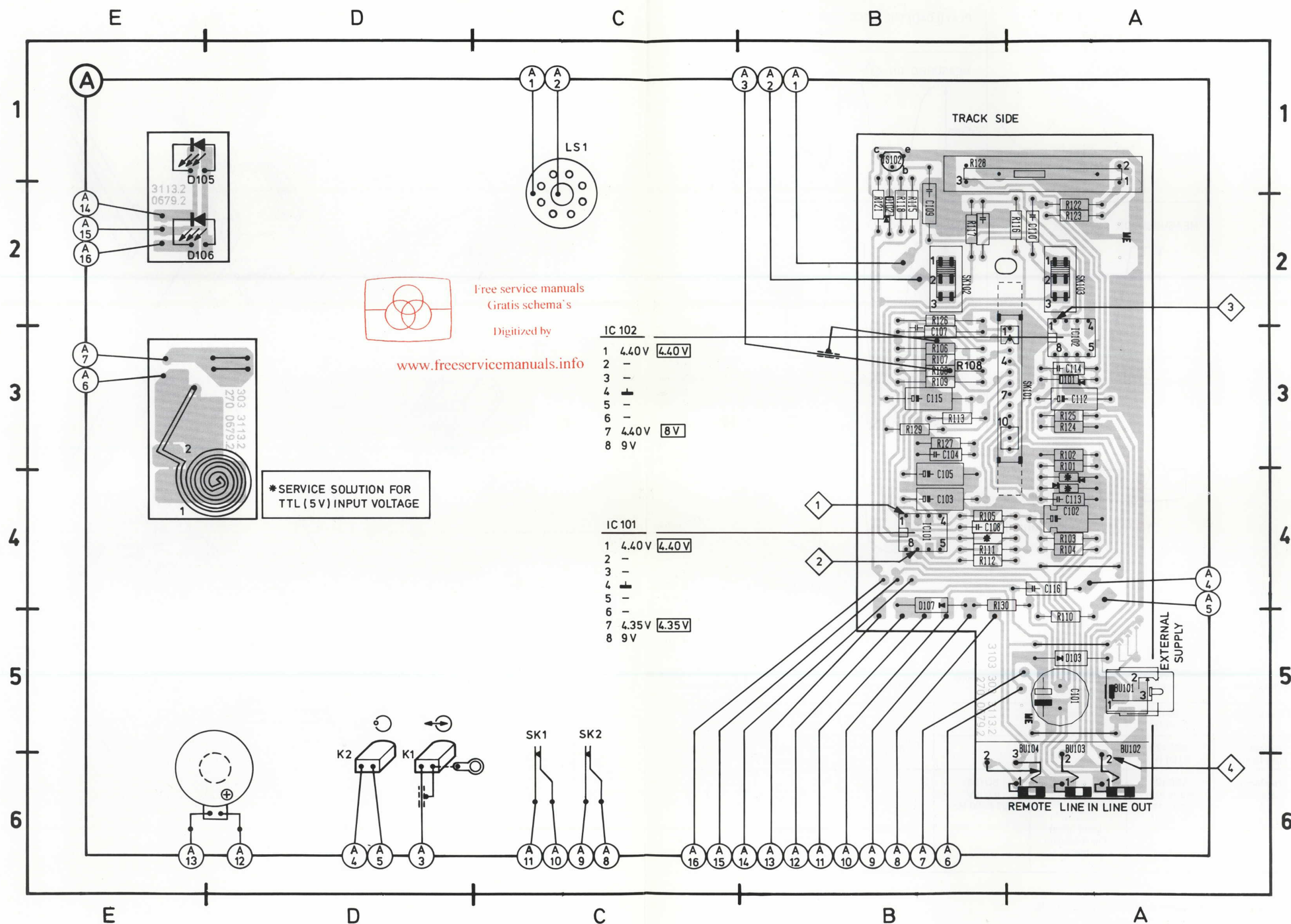
* Reliable up to 2400 Baud (MSX standard)
Input signal of 0,5 mV should cause full rectangular output signal from 500-6300 Hz.

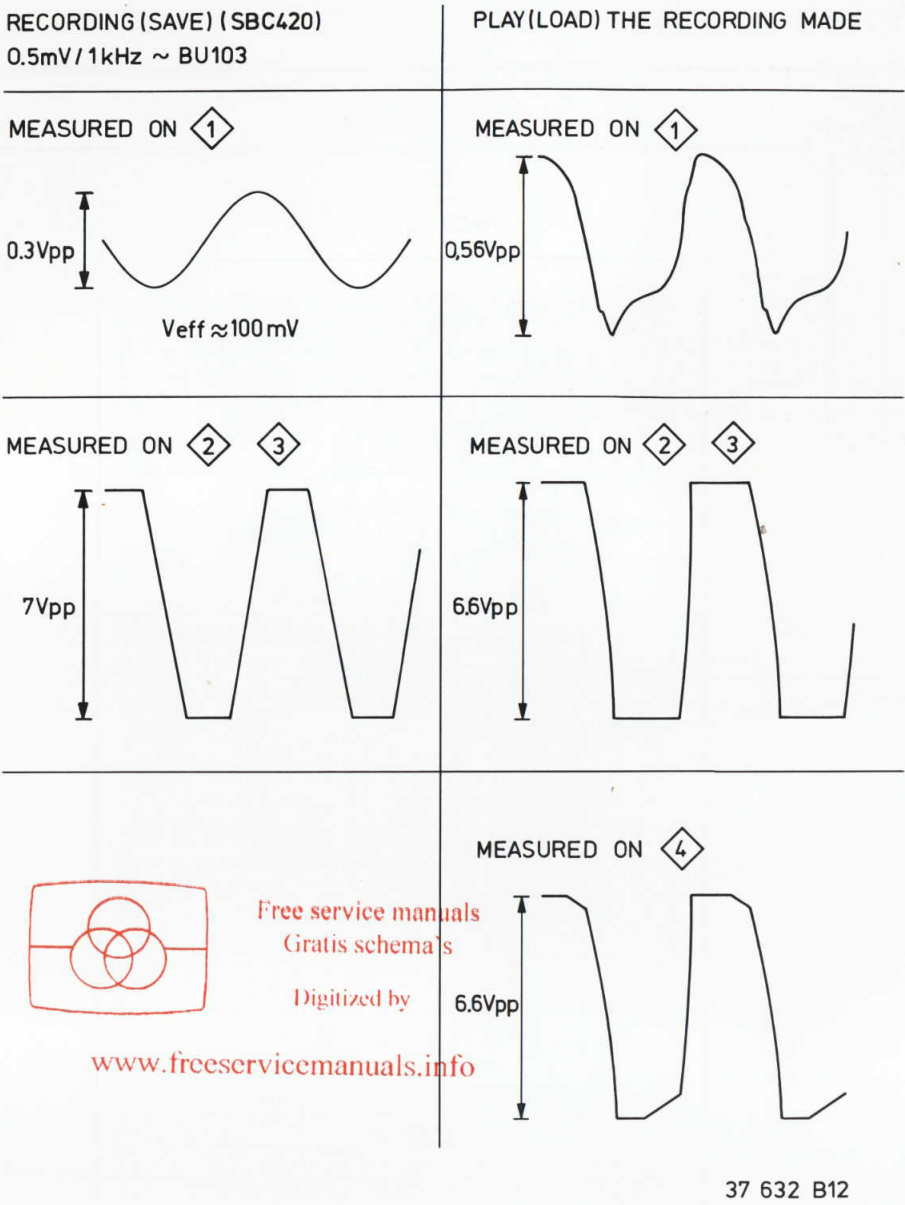
CONNECTIONS AND CONTROLS

1	Tape counter		10		Rewind	
2	Save led	D105	11		Fast Forward	
3	Data Flow led	D106	12		Play (load start)	
4	Eject		13		Pause	
5	Monitor, on/off	SK102	14		Record (save)	
6	Output signal control	R128	15		Line out	BU102
7	Phase, normal/reverse	SK103	16		Line in	BU103
8	Ext. D.C. supply	BU101	17		Remote	BU104
9	Stop					



[illegible]





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Adjustment	Cassette	Recorder in position	Apply signal to	Measure on	Read on	Adjust with
Tape speed	SBC420 3150 Hz	Load		BU104	Wow and* flutter meter	R in motor (via hole)
Azimuth R/W head	SBC420 3150 Hz	Load		BU104	mV meter max output	Left screw R/W head
Frequency response	SBC420 blank side (according to IECI)	Load + save Load (play) the recording made	BU103 0,5 mV 500-6300 Hz	BU104	Oscilloscope 0-7 Vpp ** rectangular form	

*The maximum permissible speed deviation is 2%.
Moreover, the wow and flutter value can be read.
This value should not exceed 0,3%.

**Depends on position of the ouput signal control.

- 4822 403 52319

4822 411 61112

4822 411 61113

4822 492 63001

4822 443 50592

4822 403 52321

4822 492 51231

4822 443 61509
- 411

412

413

414

415

416

417

418
- 4822 492 63192

4822 443 61501

4822 492 41245

4822 443 10081

4822 410 24086

4822 310 30631

4822 280 10144

4822 349 50145

4822 528 30282

5322 358 20194
- 401

402

403

404

405

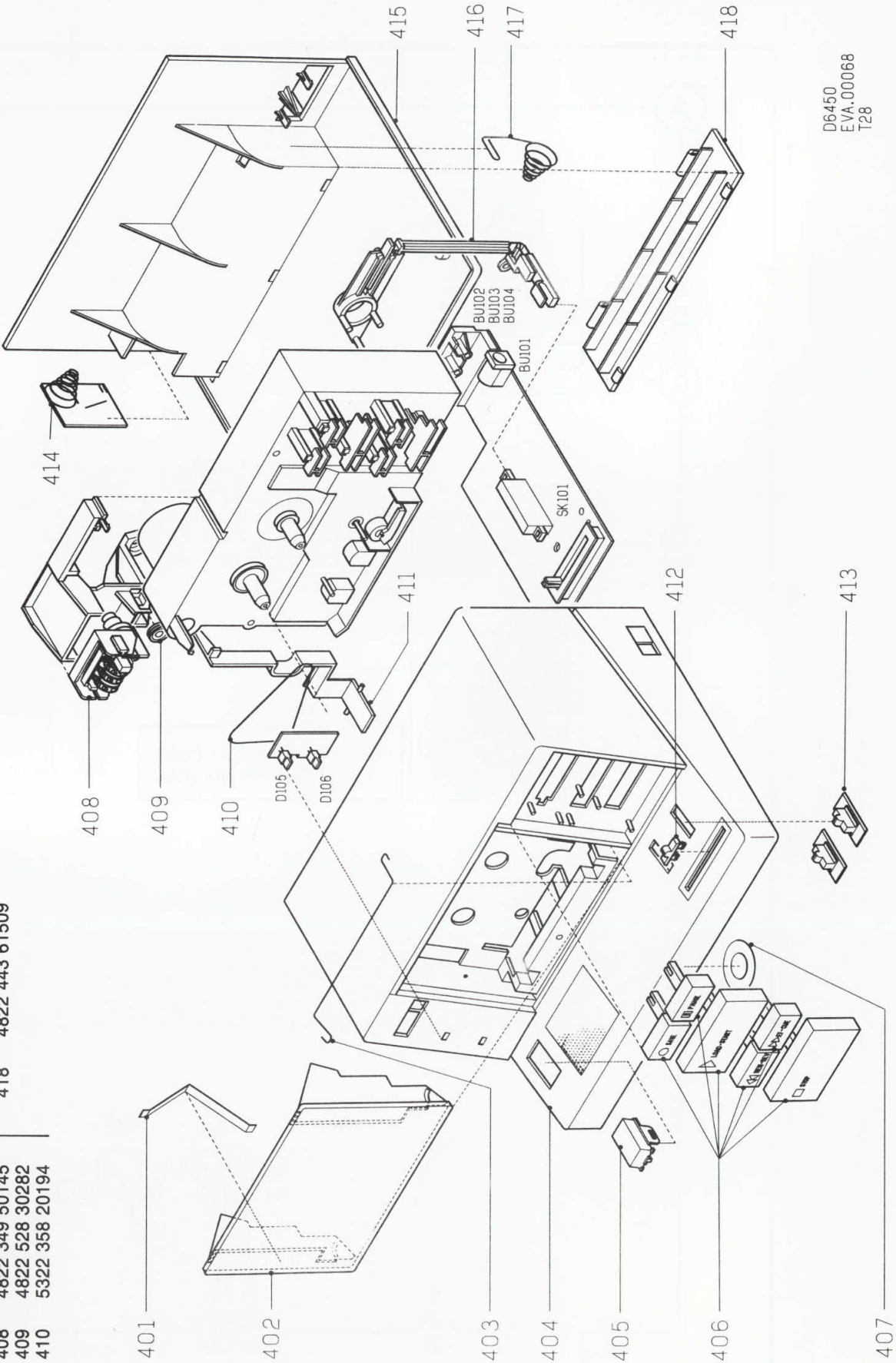
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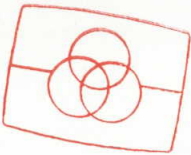
409

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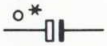


D6450
EVA.00068
T28

-IC- 			-SK- 		
IC101	LS204CB	4822 209 81432	SK101	Rec/play	4822 277 21004
IC102	LS204CB	4822 209 81432	SK102	Monitor	4822 277 21003
			SK103	Phase	4822 277 21003
-TS- 			-R- 		
TS102	BC548	4822 130 40938	R128	Output signal control	4822 100 20139
-D- 			-Miscellaneous-		
D101	1N4148	4822 130 30621	BU101	Ext. D.C. socket	4822 267 30431
D102	1N4148	4822 130 30621	BU102	Line in-Line out-remote socket	4822 267 40579
D103	1N4001G	4822 130 31438	BU103		
D105	SLP141B LED	4822 130 31191	BU104		
D106	SLP241B LED	4822 130 31192			
D107	1N4001G	4822 130 31438			



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 Carbon film 0.2 W 70°C 5%	 Ceramic plate Tuning ≤ 120 pF NP.0 2% Others $-20/+80\%$	*a = 2,5 V b = 4 V c = 6,3 V d = 10 V e = 16 V f = 25 V g = 40 V h = 63 V j = 100 V l = 125 V m = 150 V n = 160 V q = 200 V r = 250 V s = 300 V t = 350 V u = 400 V v = 500 V w = 630 V x = 1000 V A = 1,6 V B = 6 V C = 12 V D = 15 V E = 20 V F = 35 V G = 50 V H = 75 V I = 80 V
 Carbon film 0.33 W 70°C 5%	 Polyester flat foil 10%	
 Metal film 0.33 W 70°C 5%	 Metalized polyester flat film 10%	
 Carbon film 0.5 W 70°C 5%	 Polyester flat foil small size (Mylar) 10%	
 Carbon film 0.67 W 70°C 5%	 Polysterene film/foil 1%	
 Carbon film 1.15 W 70°C 5%	 Tubular ceramic	
 Chip component	 Miniature single	
	 Subminiature tantalum $\pm 20\%$	