

Bang & Olufsen

CD

New Version, CDM12



Master Panel AV 9000

Type 2621, 2622

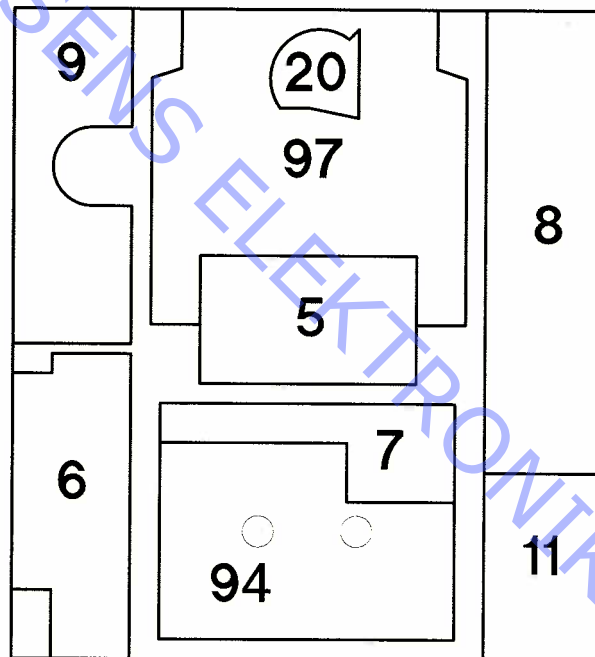
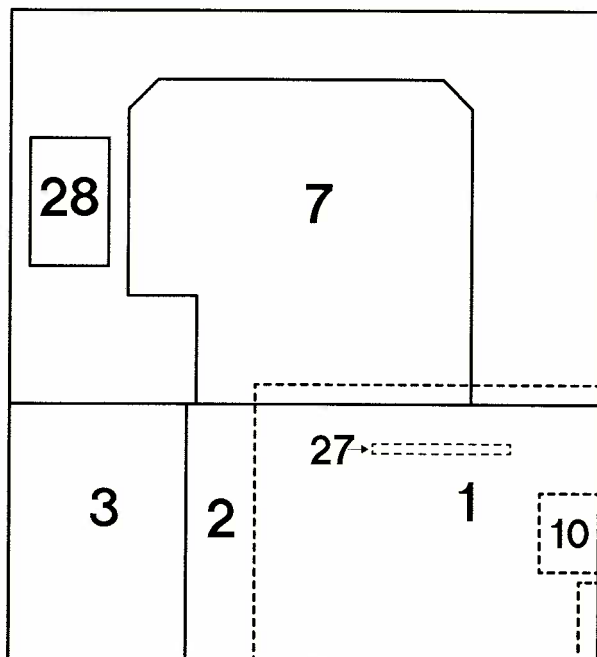
Stand

Type 2018

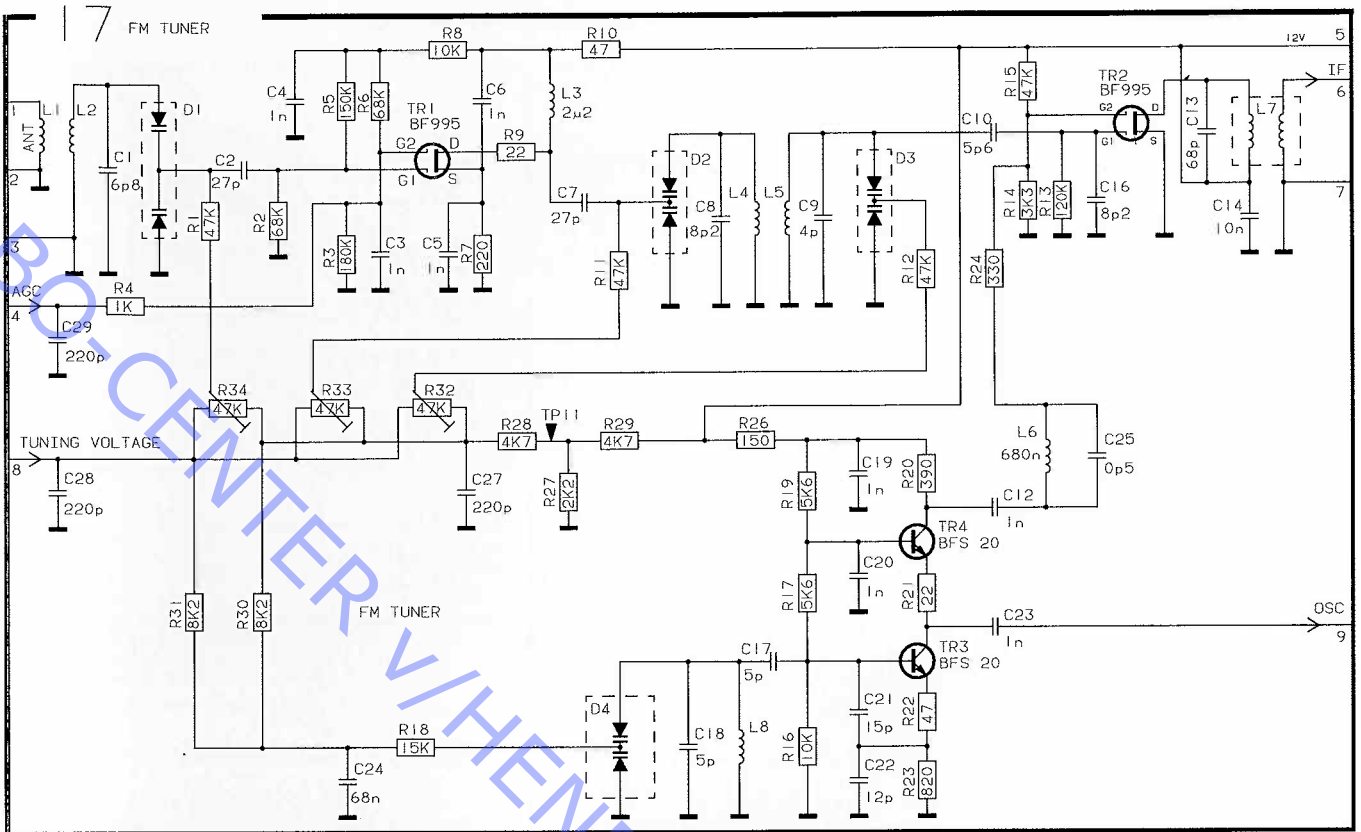
SERVICE MANUAL



1	FM/AM, RF, IF decoder	diagr. A	8	CD decoder	diagr. J
		page 2-9			page 2-19
2	Input Select	diagr. B	9	Light and motor control	diagr. K
		page 2-10			page 2-20
2	Power supply	diagr. C	10	RDS	diagr. L
		page 2-11			page 2-21
3	Microcomputer	diagr. F+f	11	Right door sensor	diagr. H
		page 2-14, 2-15			page 2-17
4	Keyboard	diagr. G	17	Tuner	page 2-3
		page 2-16			
5	Display	diagr. G	20	Disc detector	diagr. I
		page 2-16			page 2-18
6	Door sensors	diagr. H	27	Master Link interface	diagr. B
		page 2-17			page 2-10
7	Tape data control	diagr. C	28	Light control output	diagr. K
		page 2-11			page 2-20
7	Tape AF and control	diagr. D	94	Tape mechanism	page 4-5
		page 2-12	97	CD mechanism	page 4-1
7	Dolby and tape type logic	diagr. E			
		page 2-13			
8	CD servo motor system	diagr. I			
	and disc detector	page 2-18			

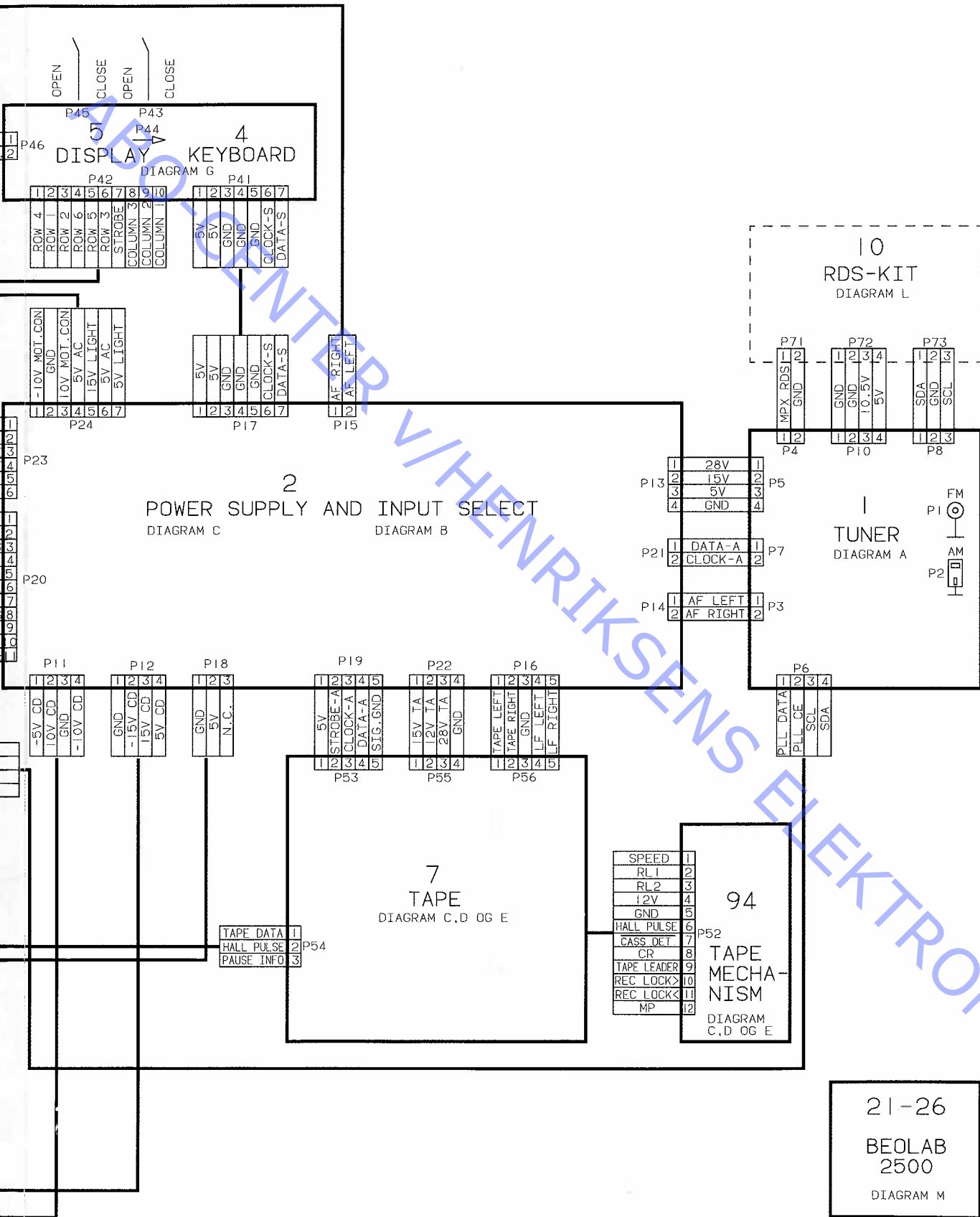


FM TUNER



The FM TUNER is a single unit.
With failure in this unit we recommend replacing the Whole unit.
However the part nos. of semi-conductors are in the lid of the semi-conductors.

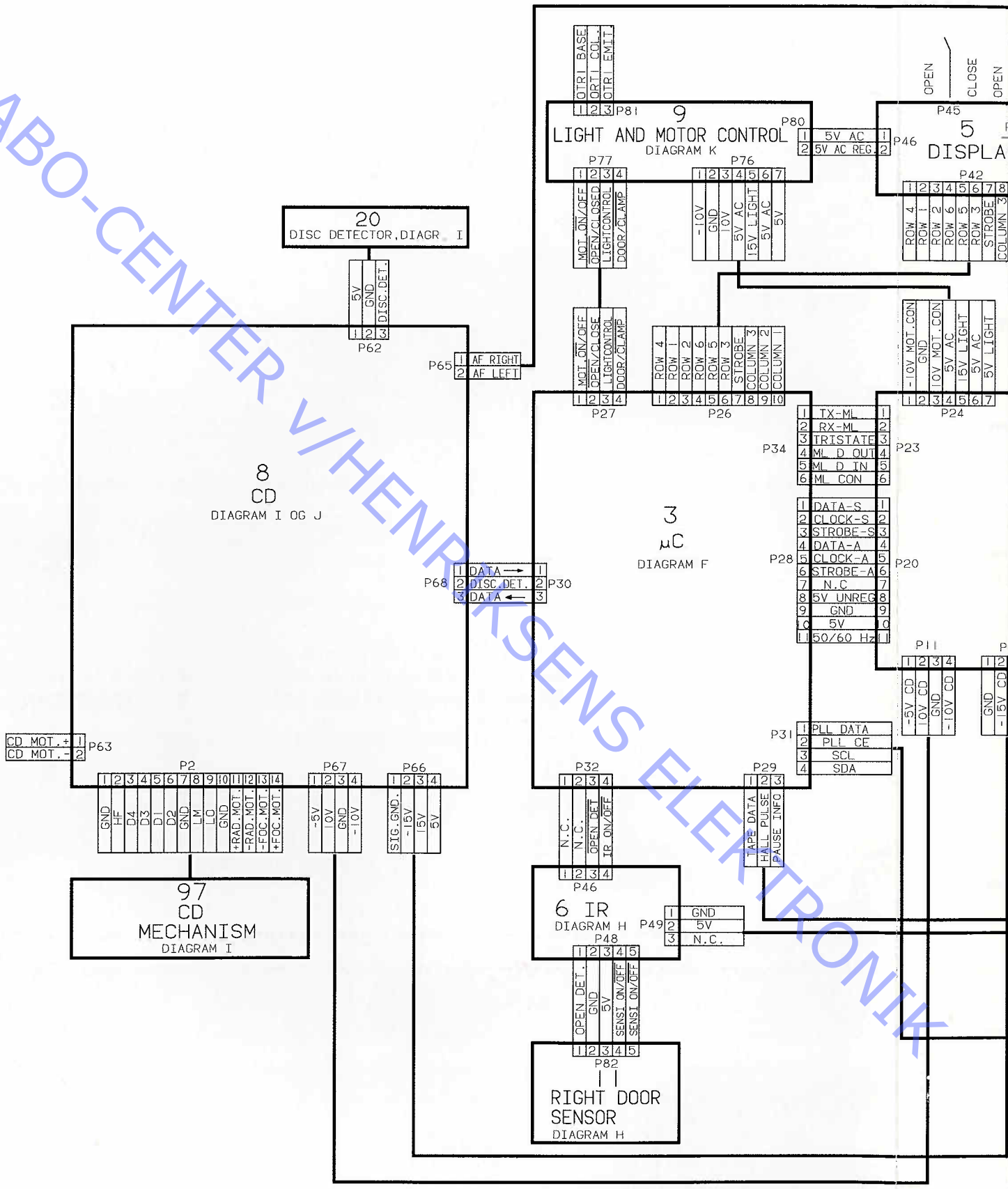
ARBO CENTER VITENRIKS MS ELEKTRONIK

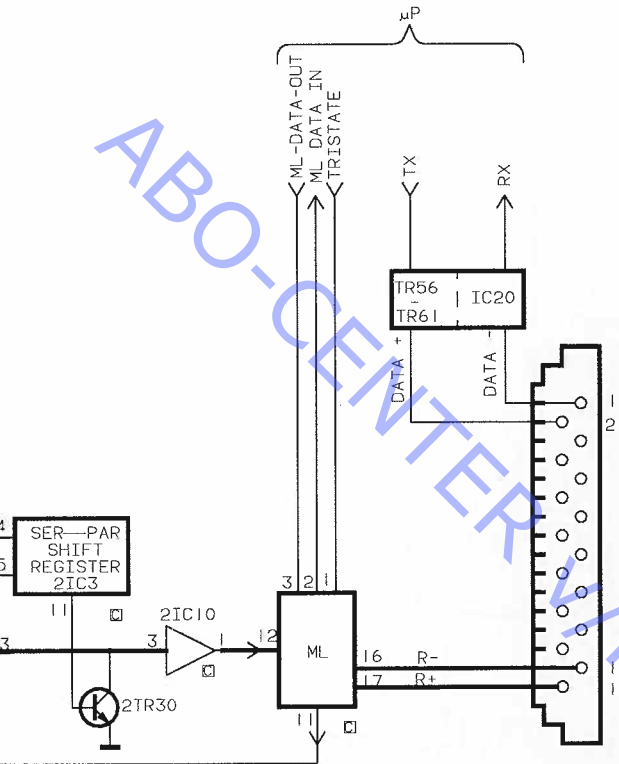


21-26
BEOLAB
2500
DIAGRAM M

WIRING DIAGRAM

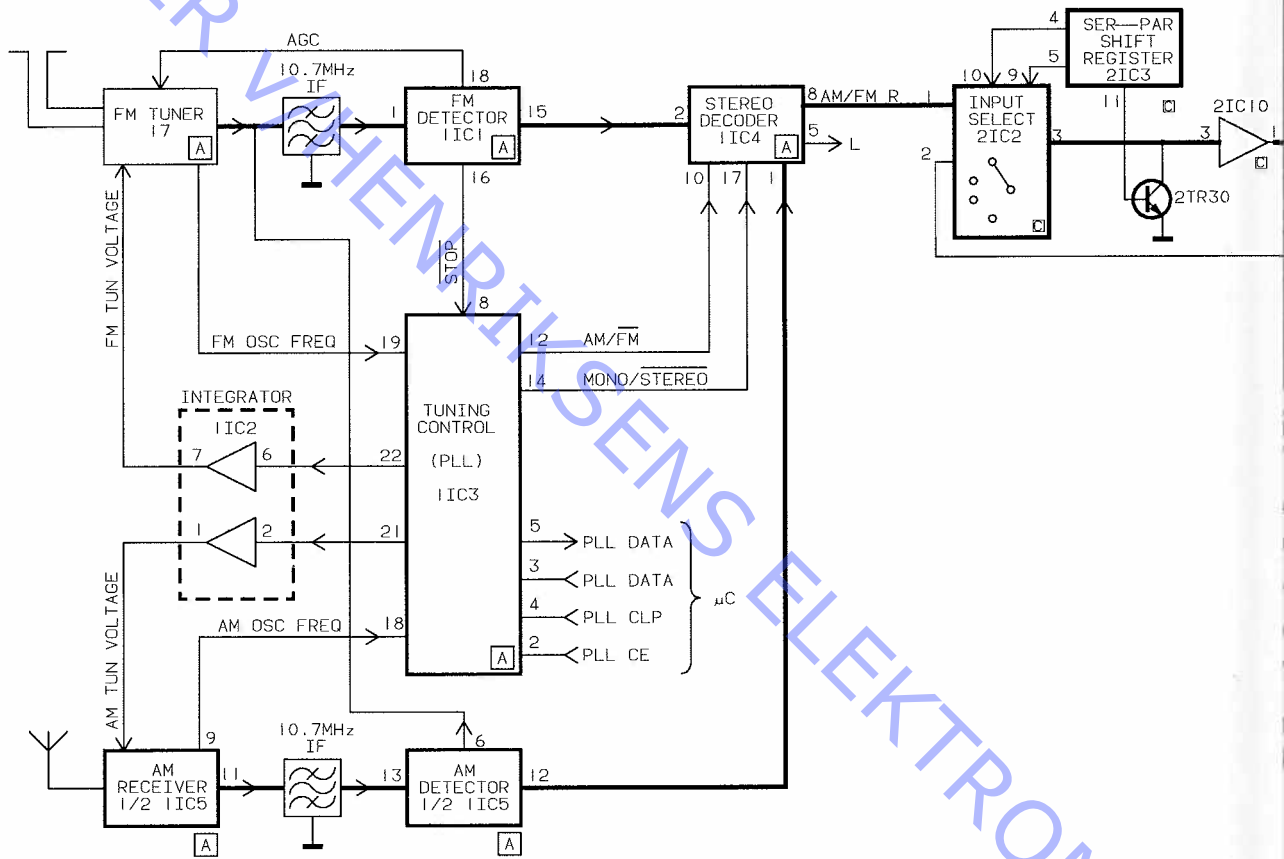
ABO-CENTER V/HENRICKSENS ELETTRONIK





ABO-CENTER HENRIKSENS ELEKTRONIK

BLOCK DIAGRAM TUNER



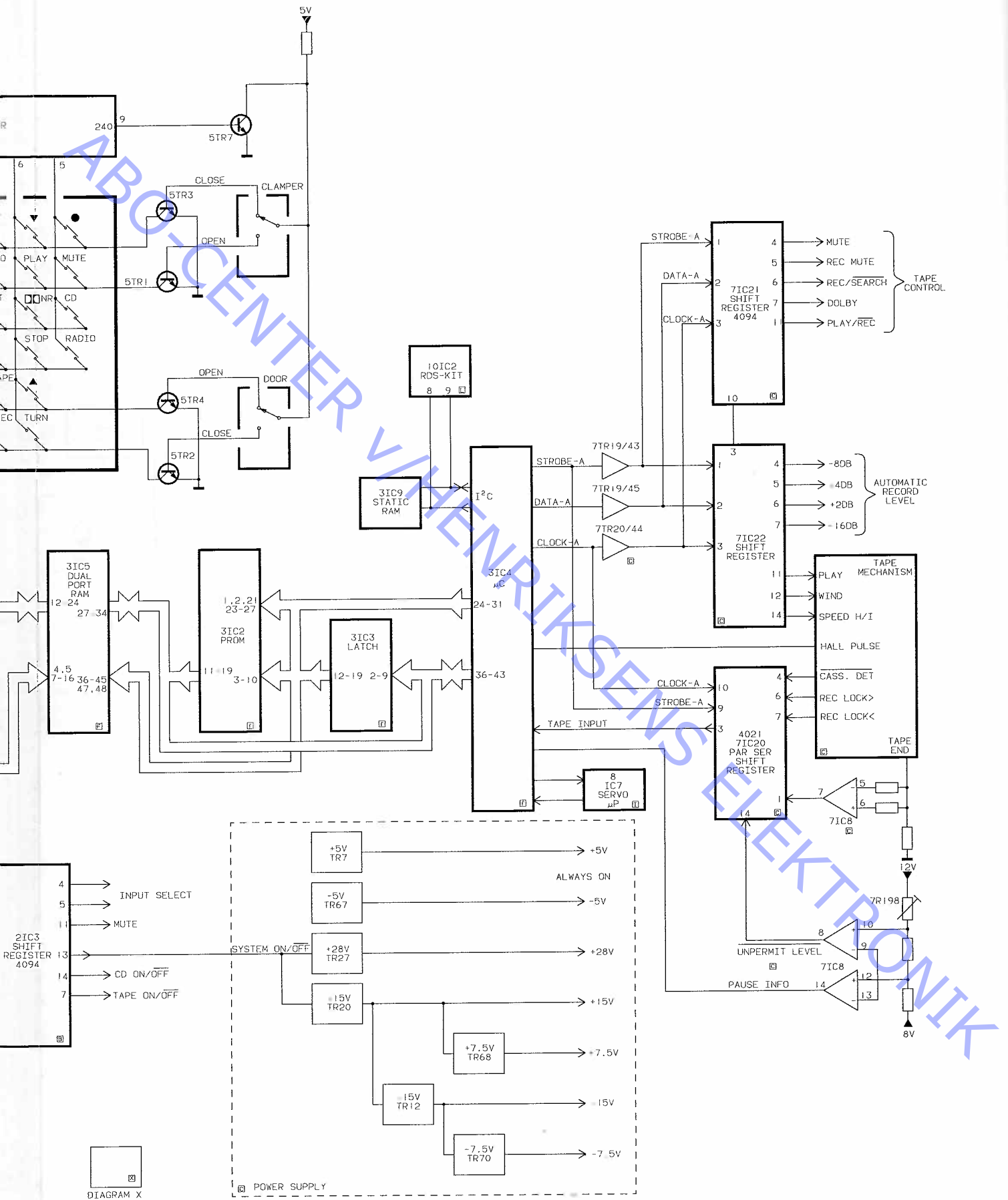


DIAGRAM X

POWER SUPPLY

BLOCK DIAGRAM SYSTEM CONTROL

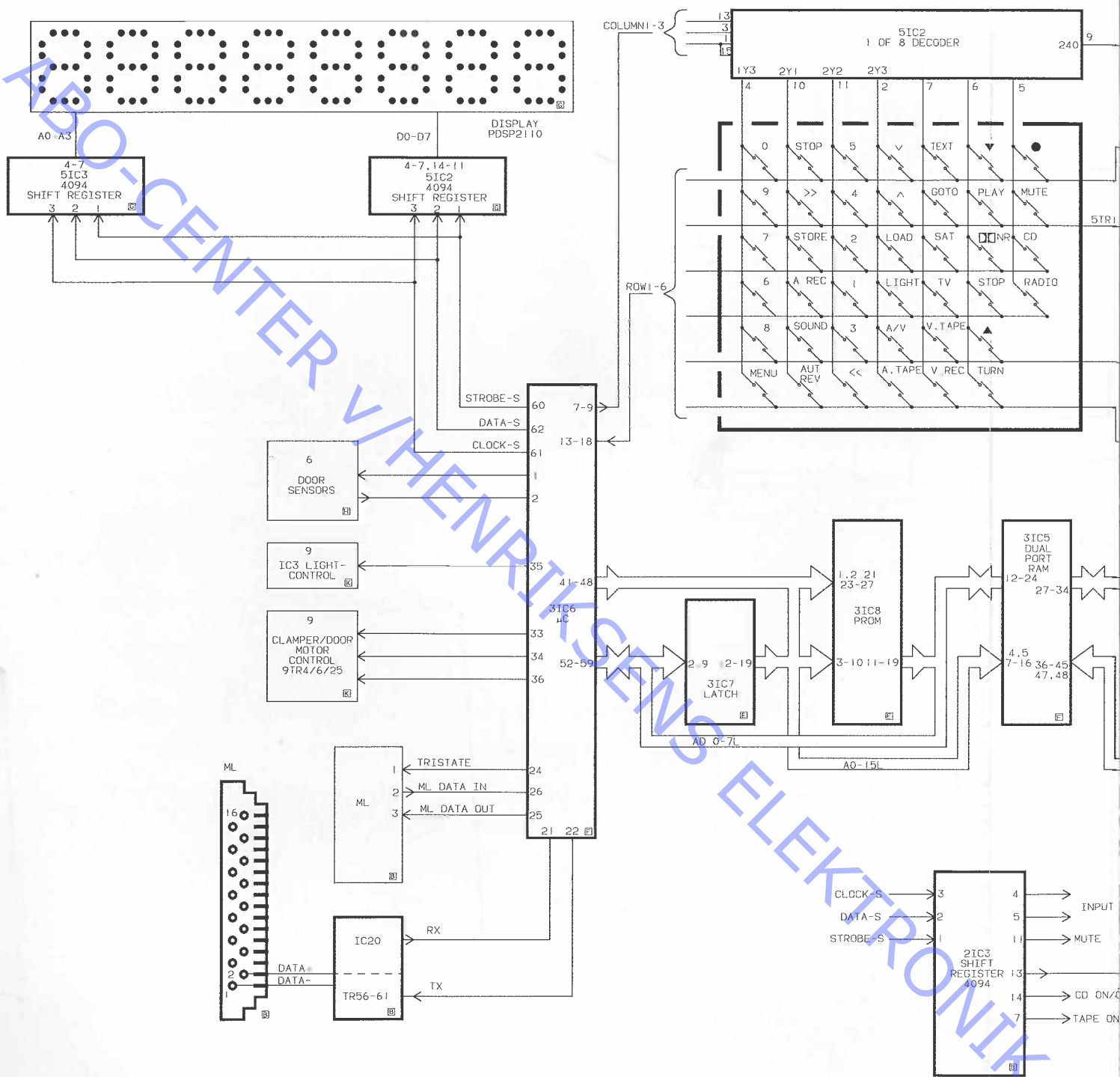
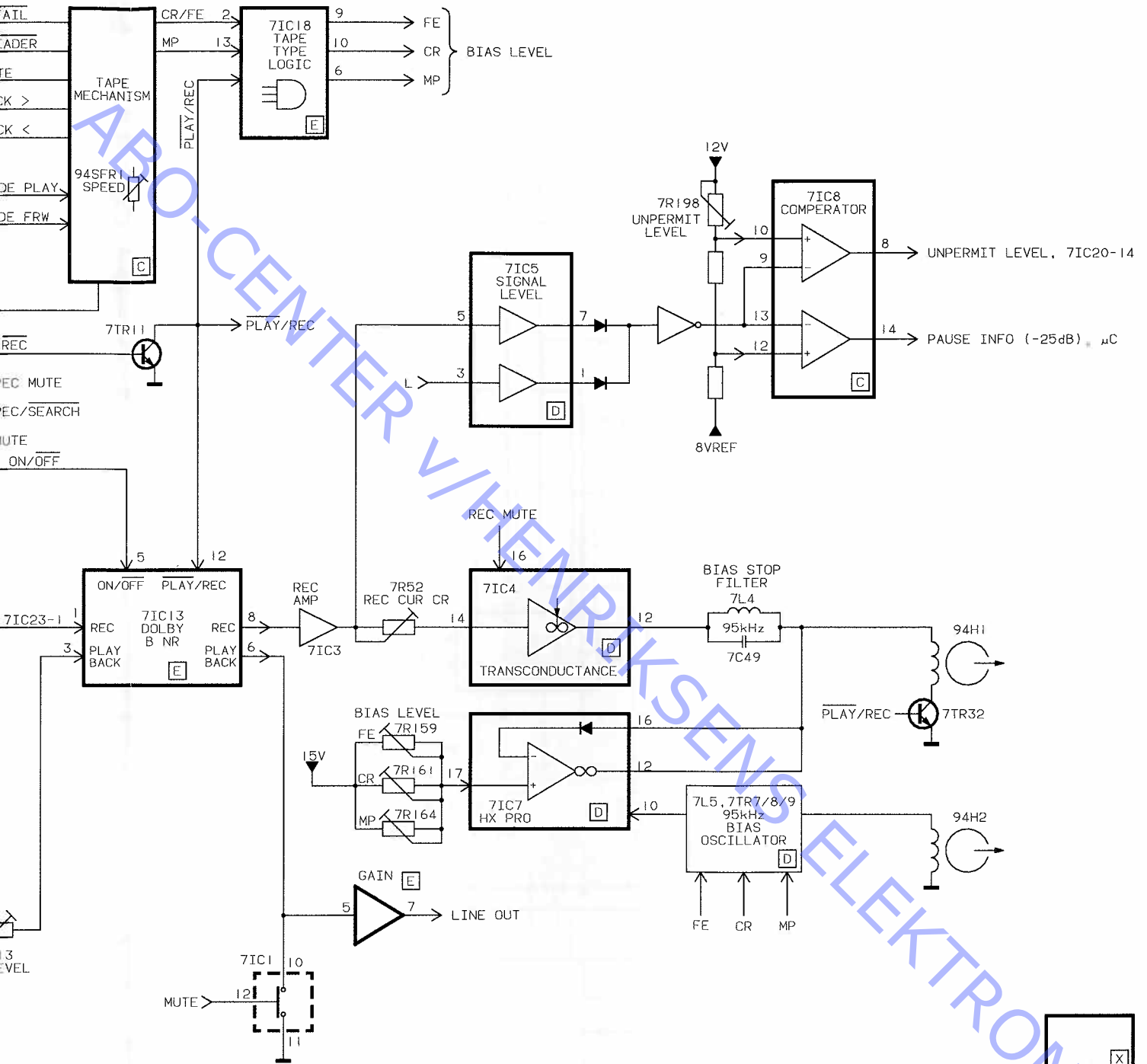


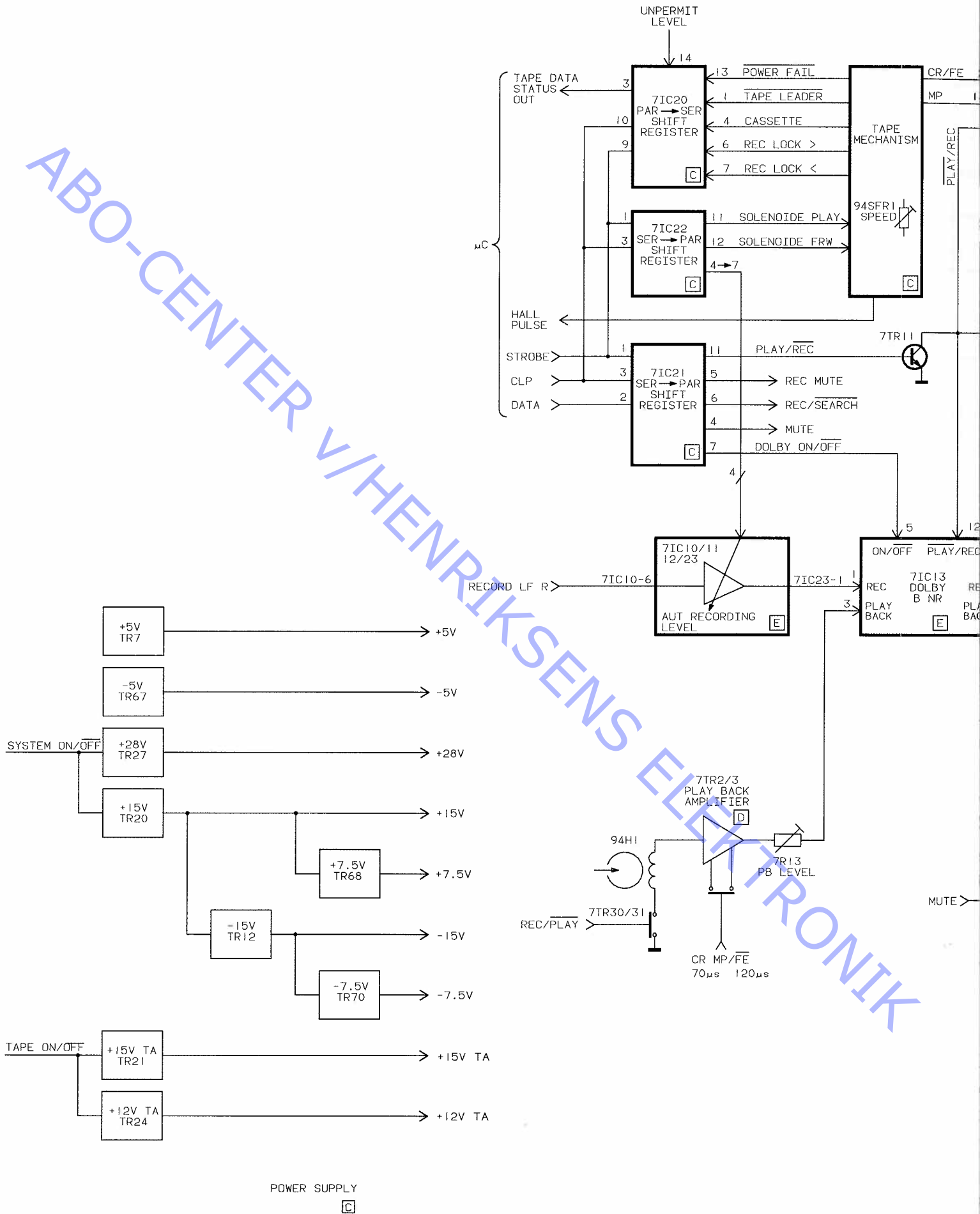
DIAGRAM X



[X] = DIAGRAM X

BLOCK DIAGRAM TAPE

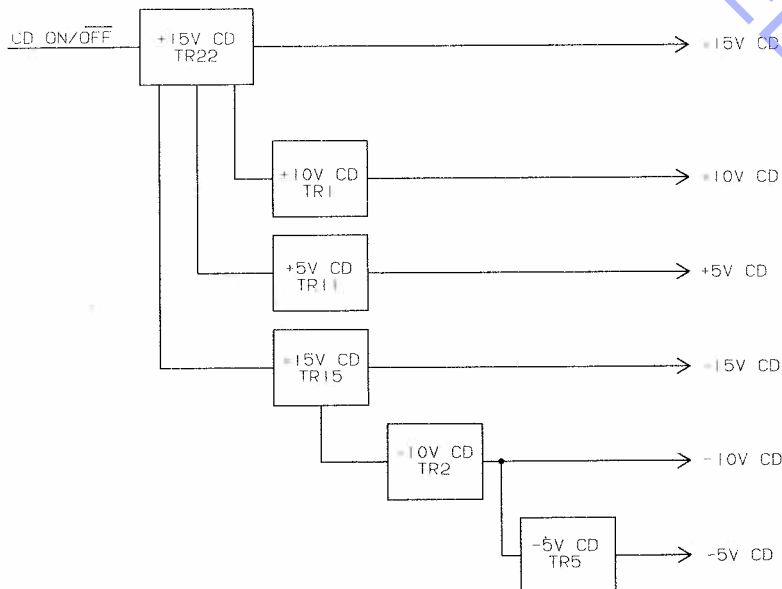
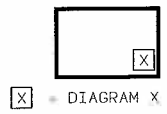
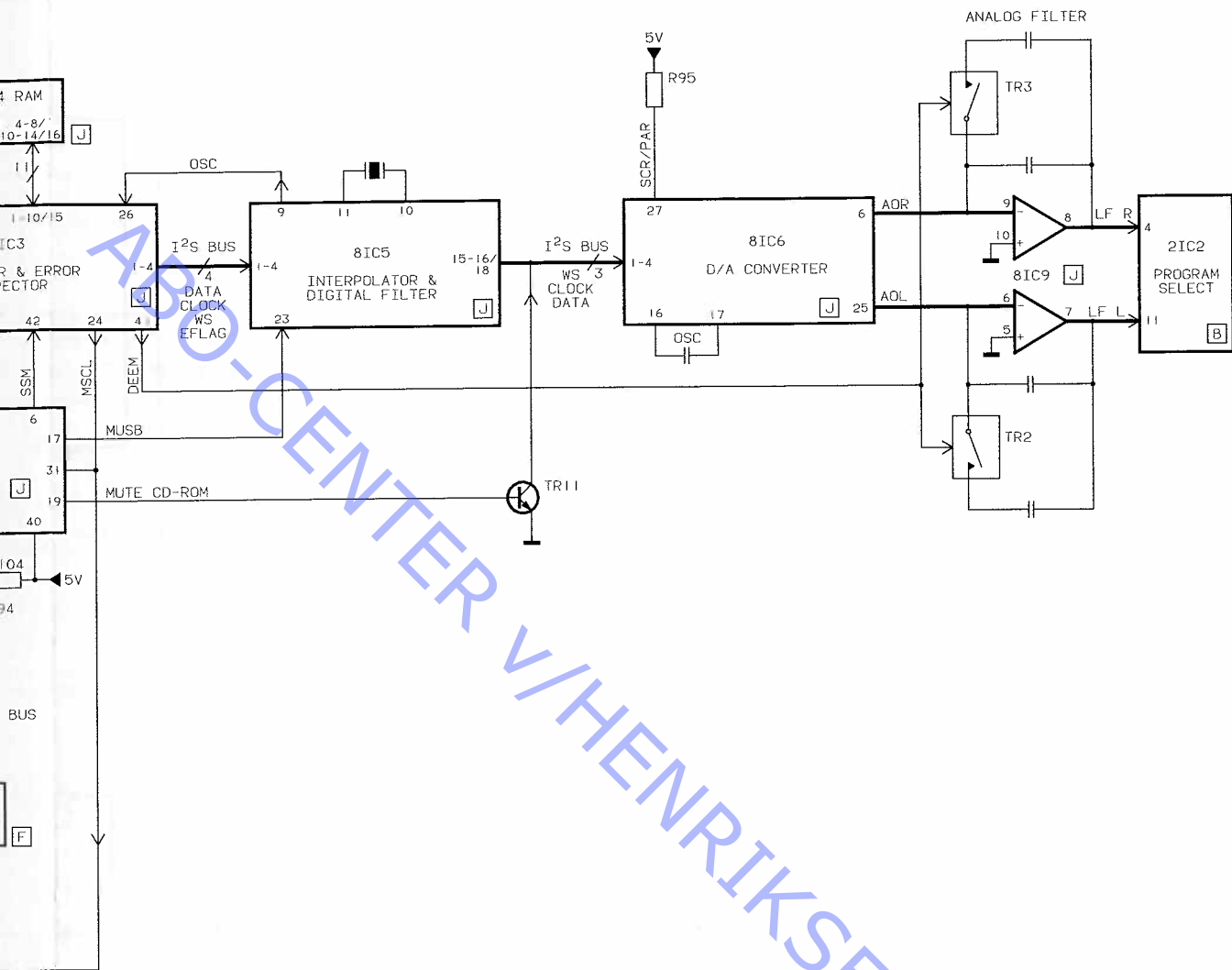
ABO-CENTER V/HENRIKSENS ELEKTRONIK



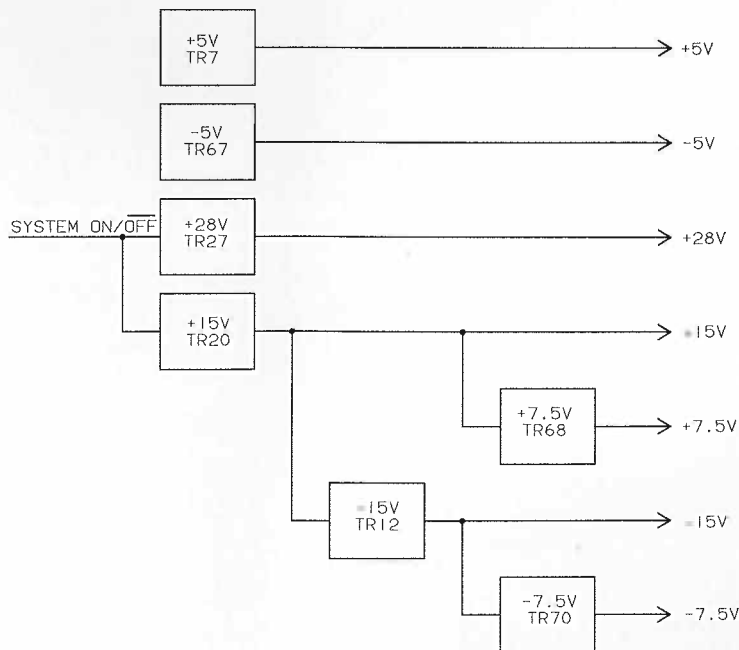
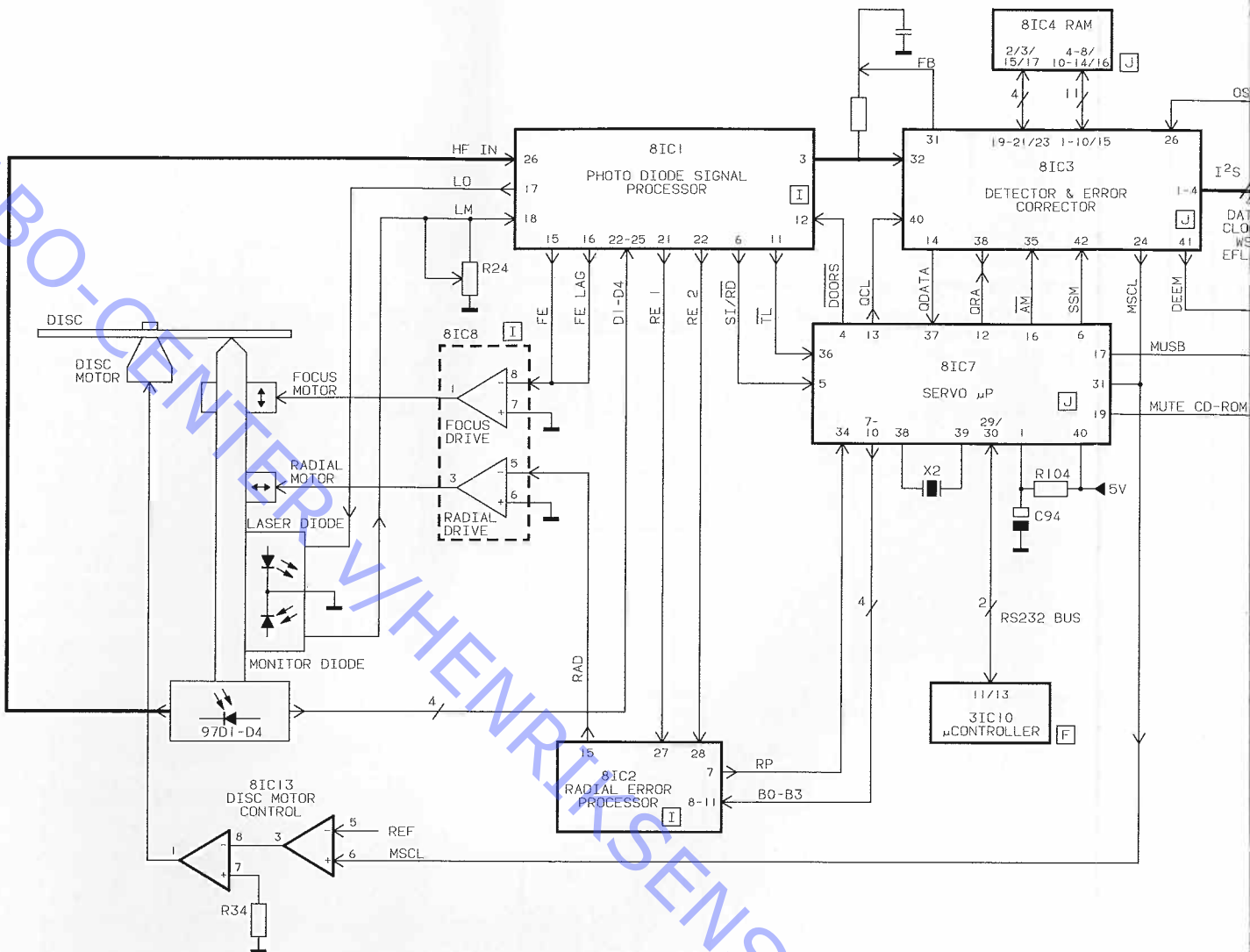
POWER SUPPLY

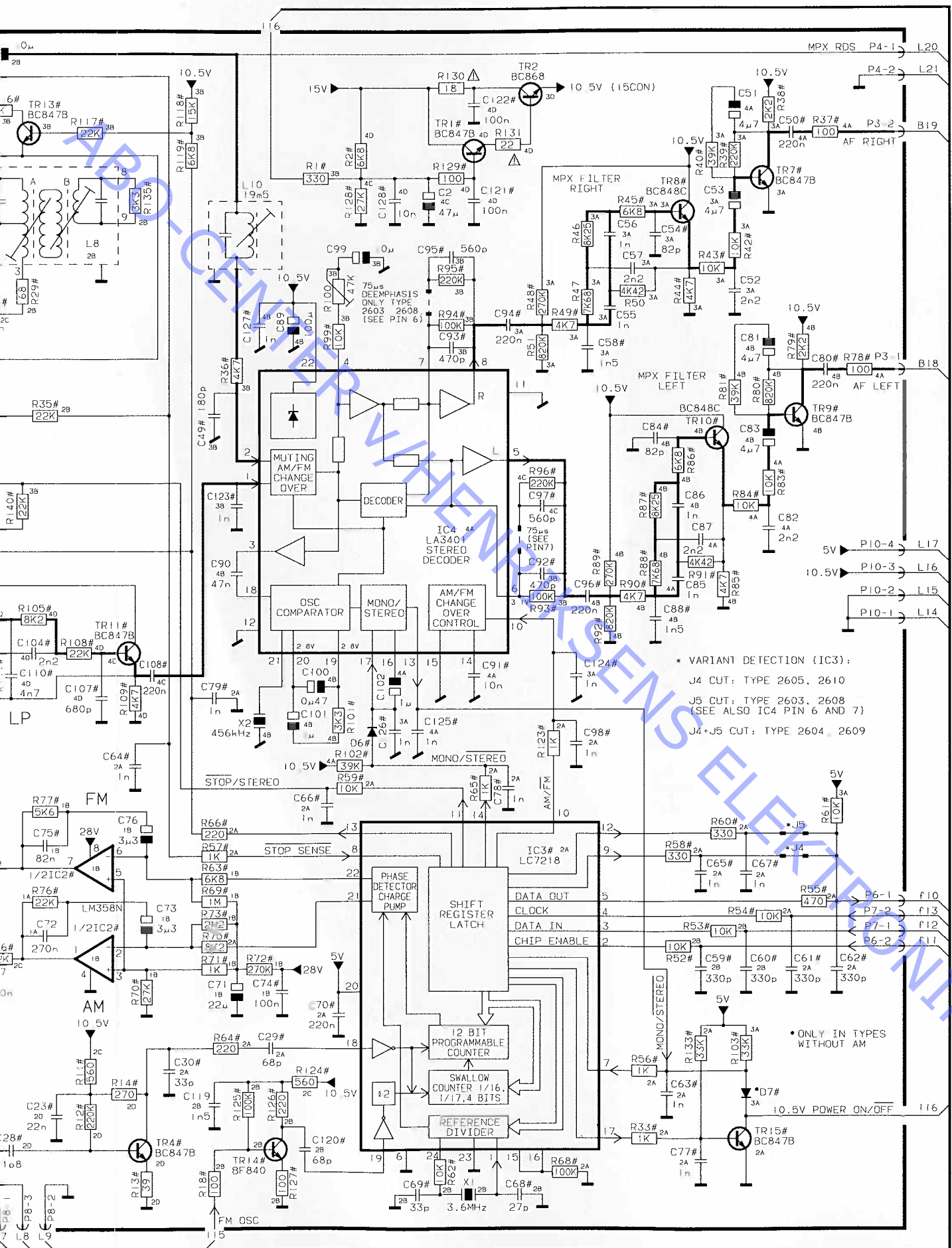


2-8 BLOCK DIAGRAM



BLOCK DIAGRAM CD

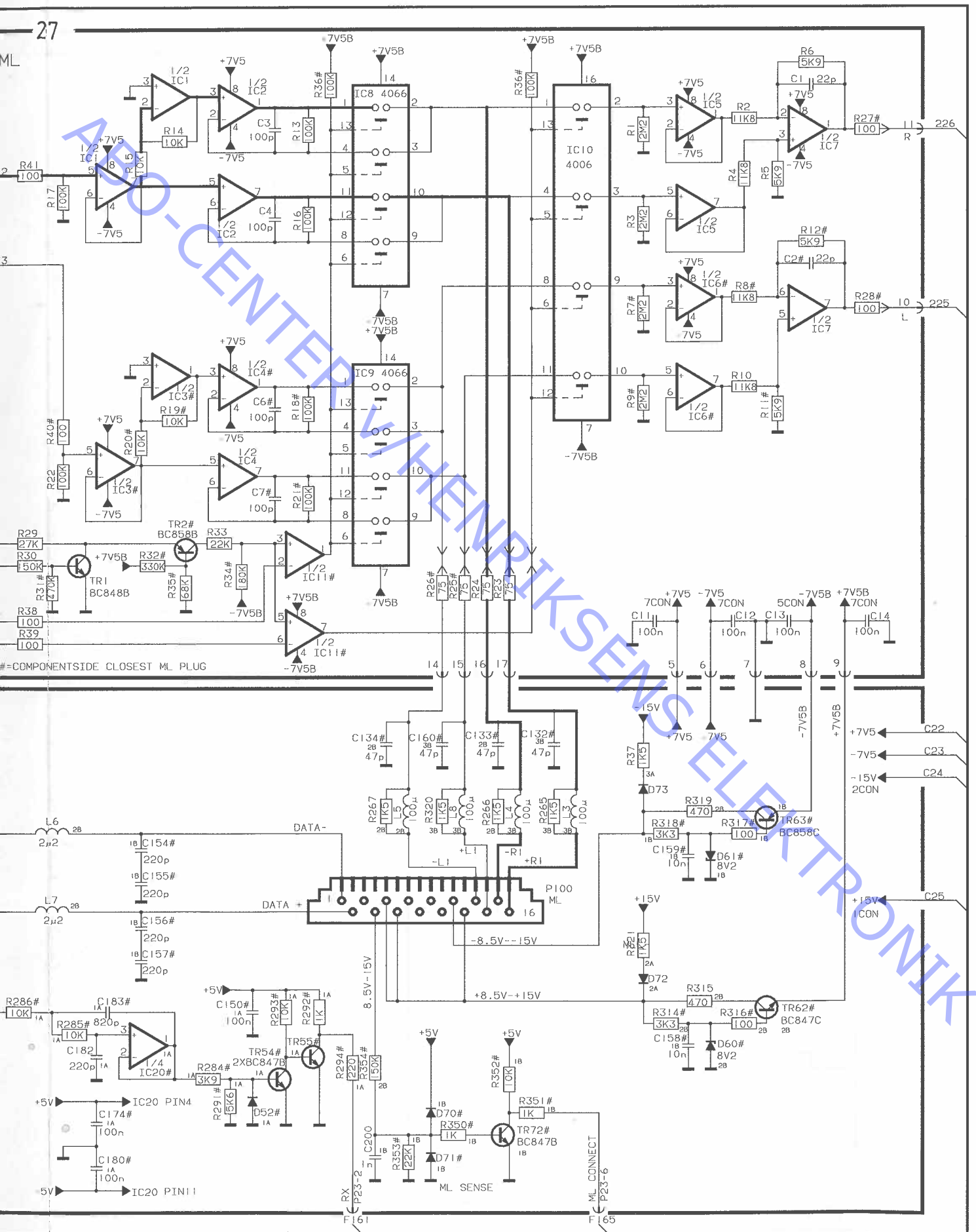




• VARIANT DETECTION (IC3):
 J4 CUT: TYPE 2605, 2610
 J5 CUT: TYPE 2603, 2608
 (SEE ALSO IC4 PIN 6 AND 7)
 J4+J5 CUT: TYPE 2604, 2609

• ONLY IN TYPES WITHOUT AM

• D7#



ML

3

#=COMPONENTSIDE CLOSEST ML PLUG

R286#

L7

+5V

+5V

TR54#

2X8C847B

TR55#

2X8C847B

ML SENSE

ML CONNECT

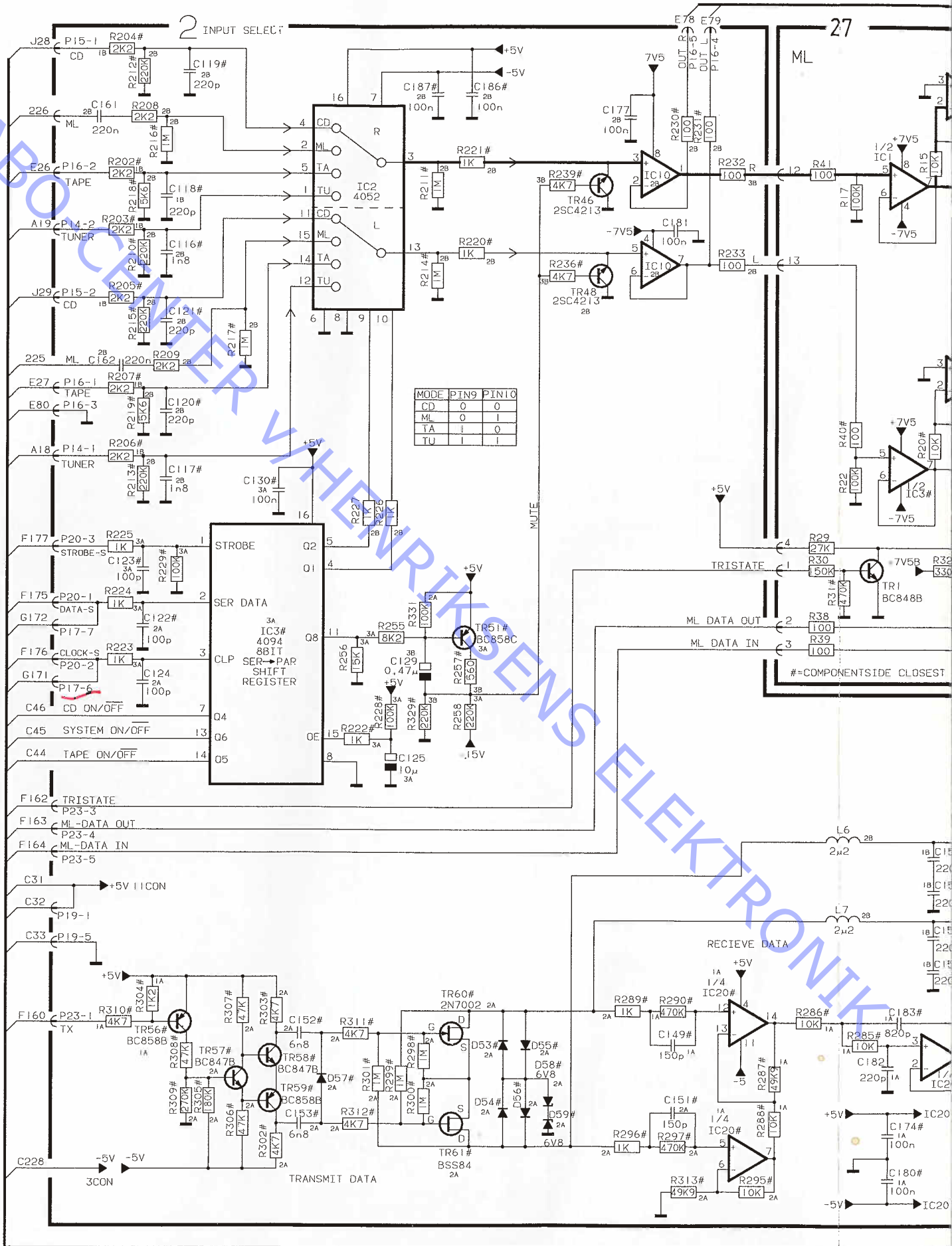
P23-2

P23-6

F165

F165

DIAGRAM B INPUT SELECT



MODE	PIN9	PIN10
CD	0	0
ML	0	1
TA	1	0
TU	1	1

#=COMPONENTSIDE CLOSEST

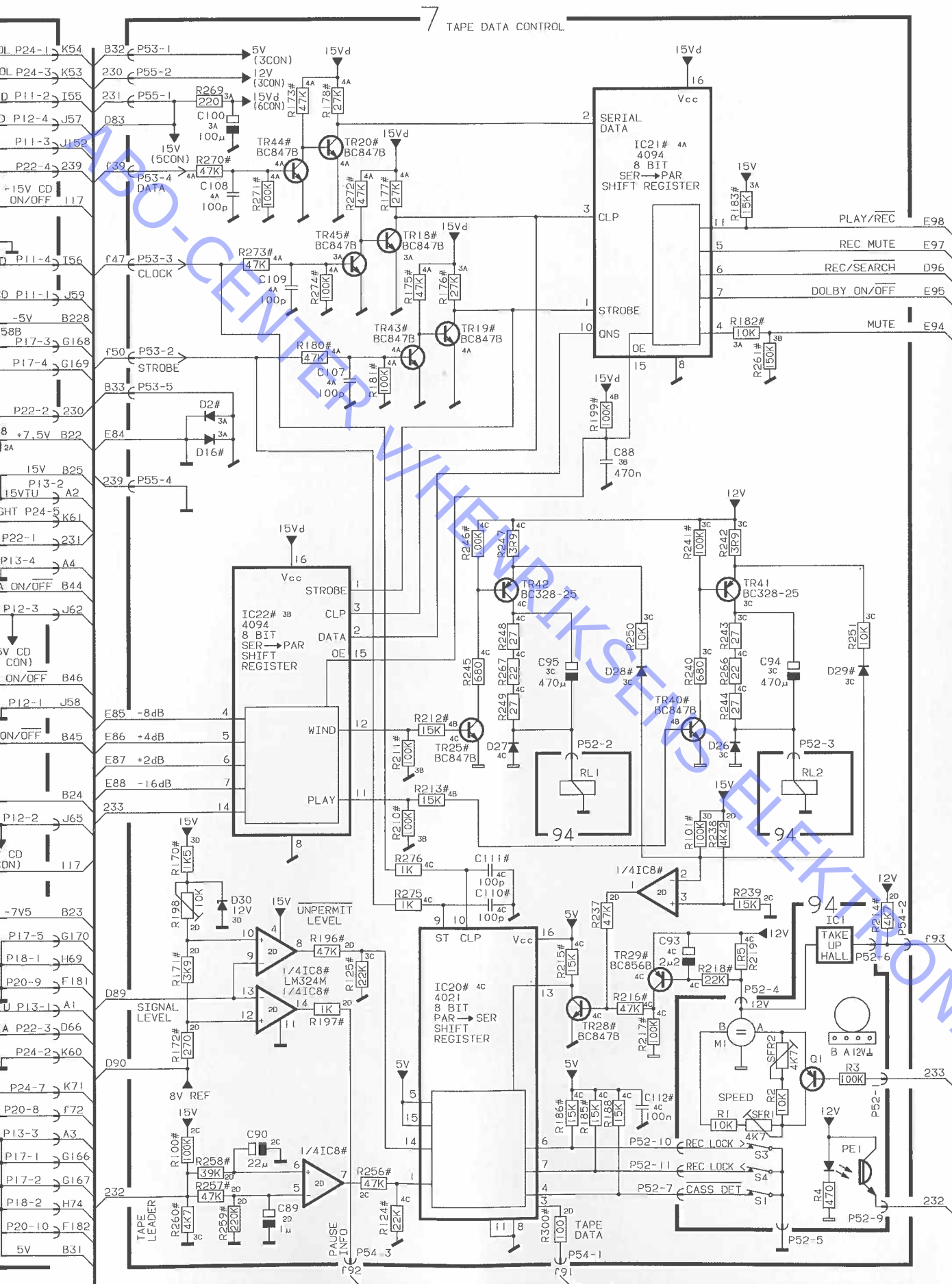
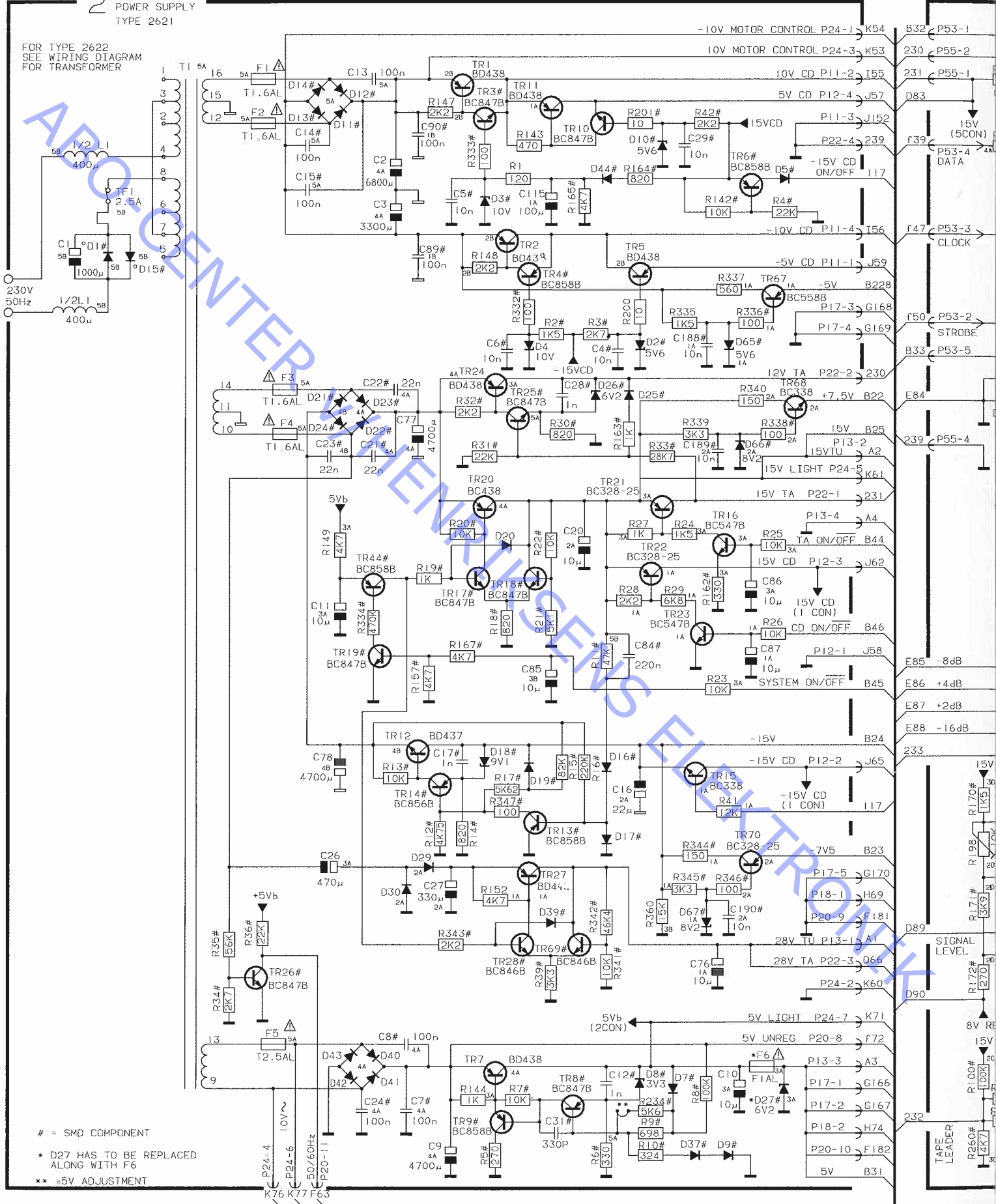


DIAGRAM C POWER SUPPLY/TAPE DATA CONTROL

2 POWER SUPPLY
TYPE 2621

FOR TYPE 2622
SEE WIRING DIAGRAM
FOR TRANSFORMER



= SMD COMPONENT
 * D27 HAS TO BE REPLACED
 ALONG WITH F6
 ** 5V ADJUSTMENT

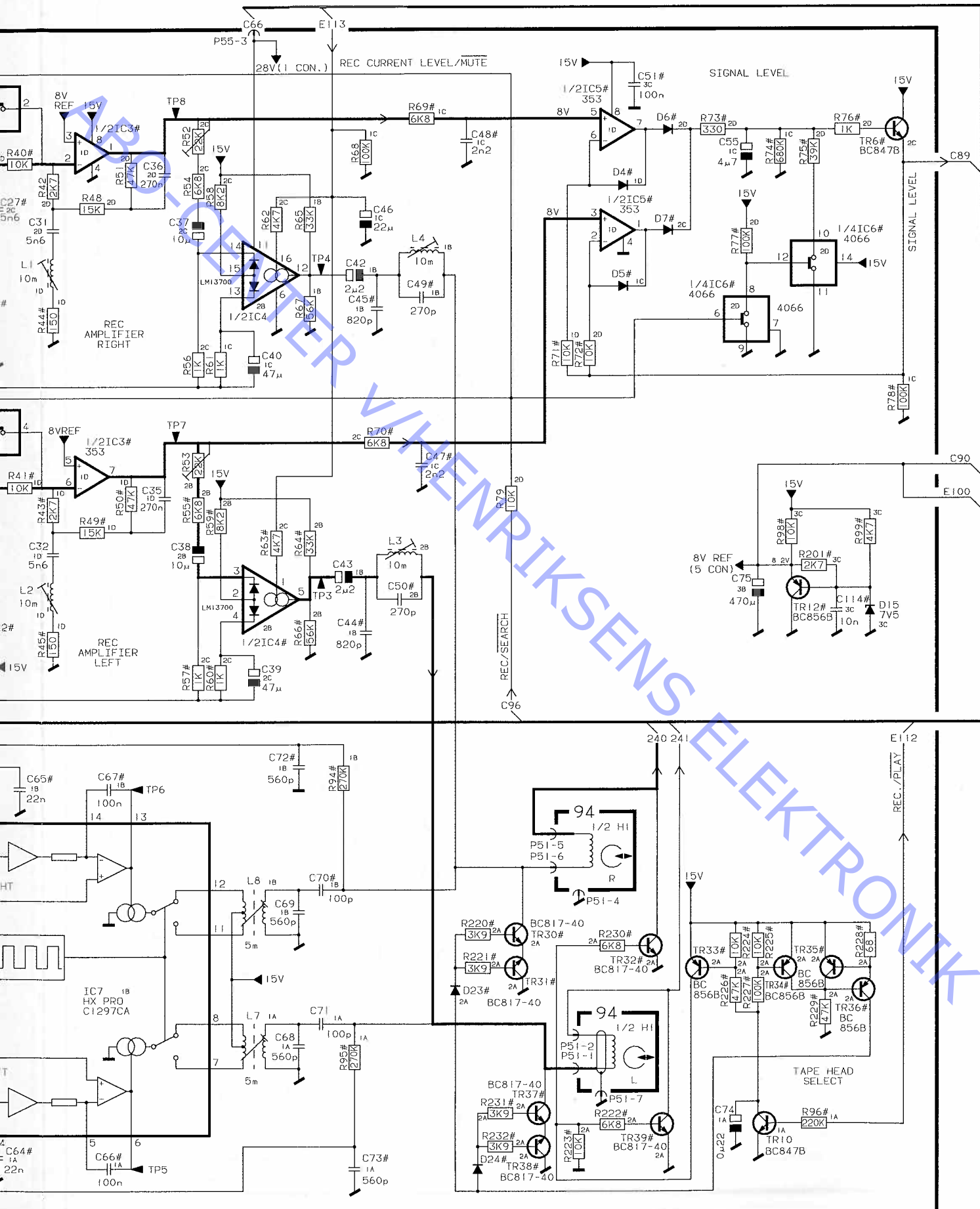
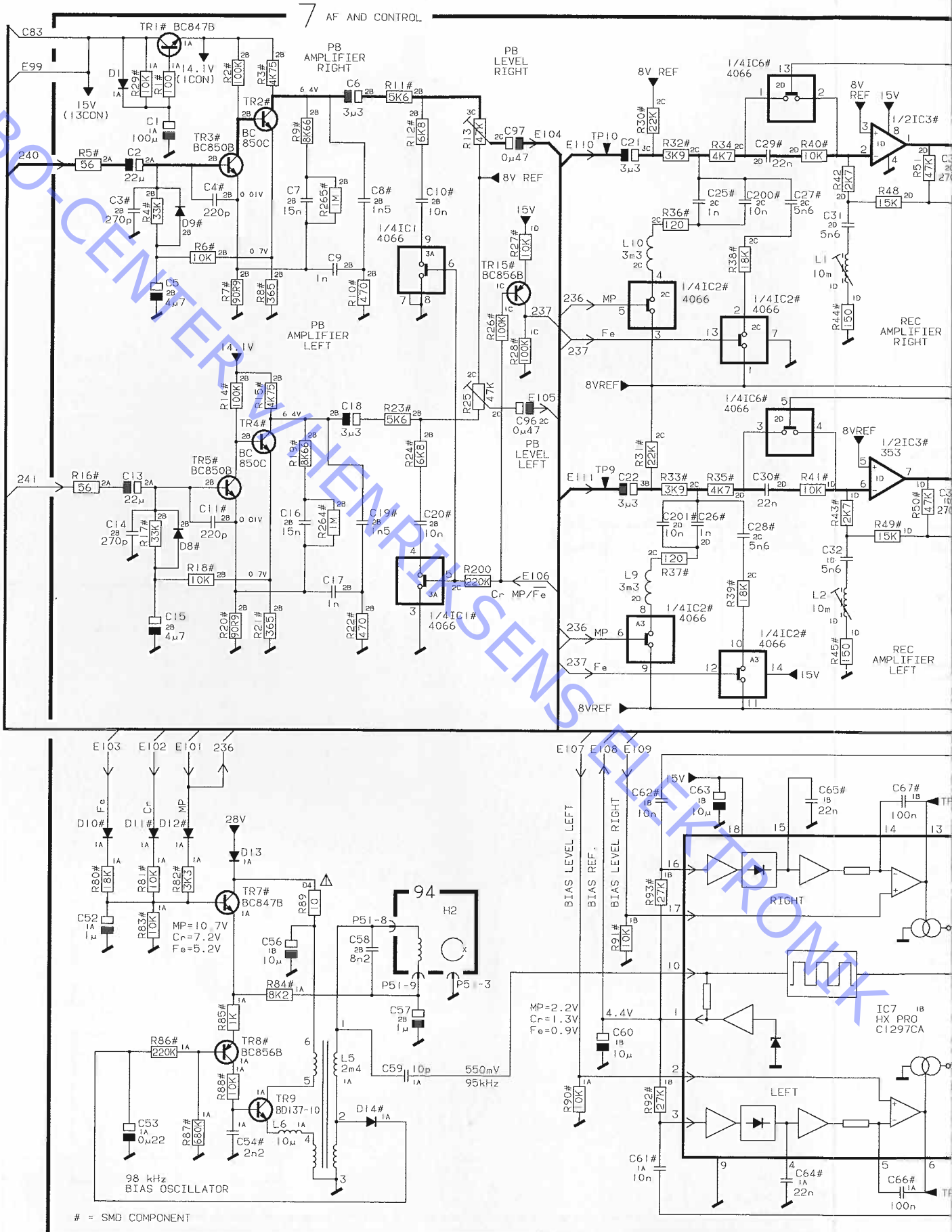


DIAGRAM D TAPE AF AND CONTROL



= SMD COMPONENT

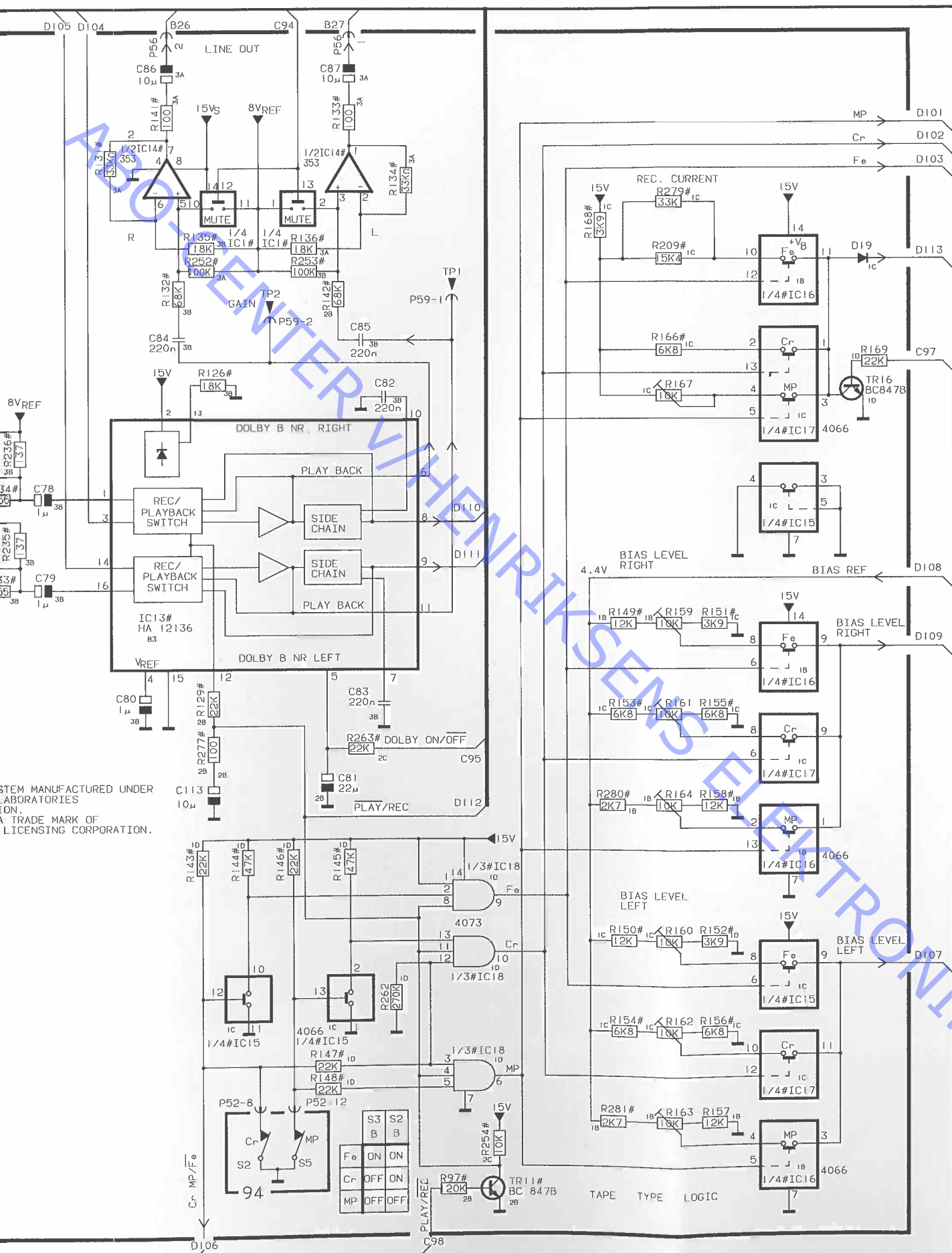
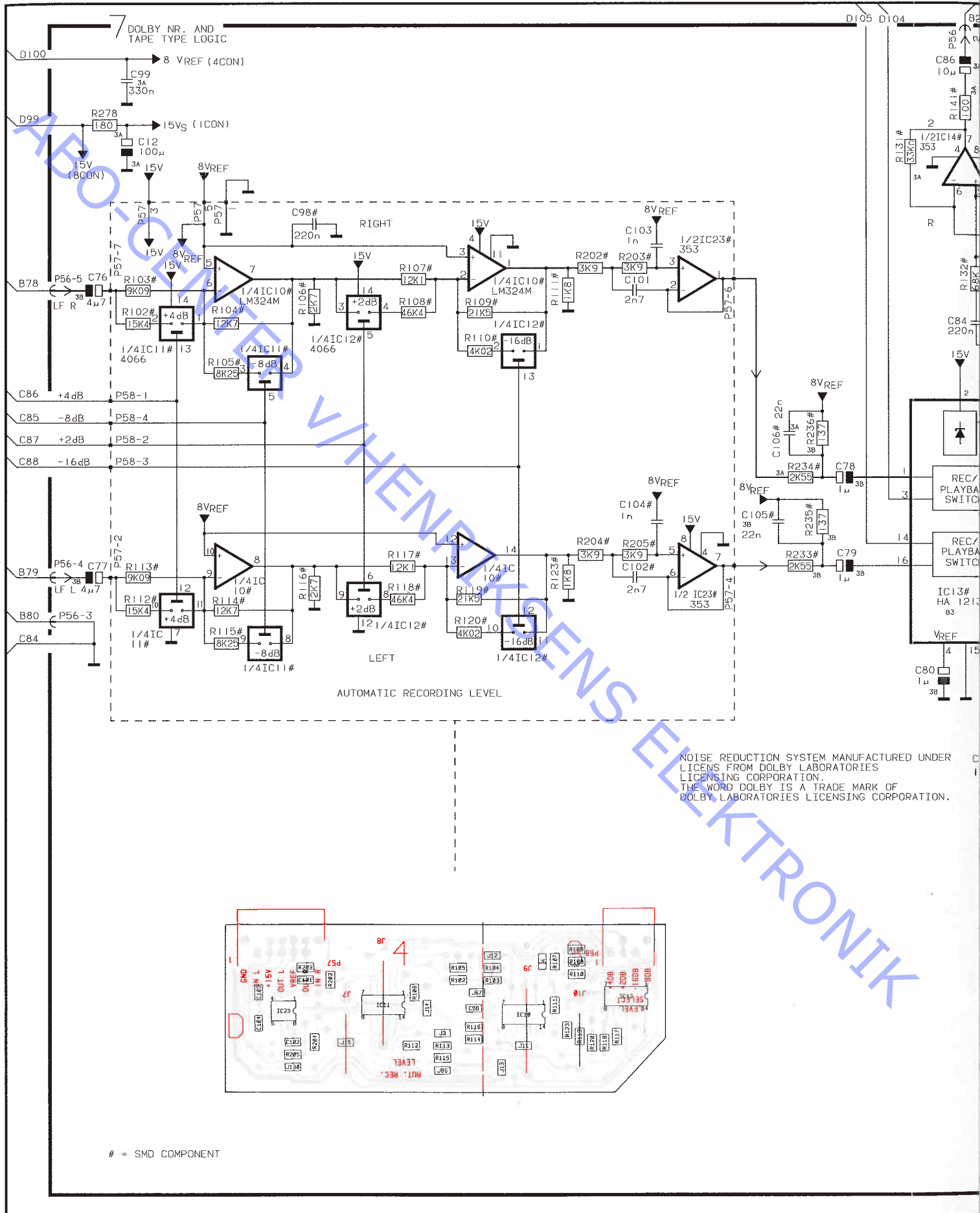
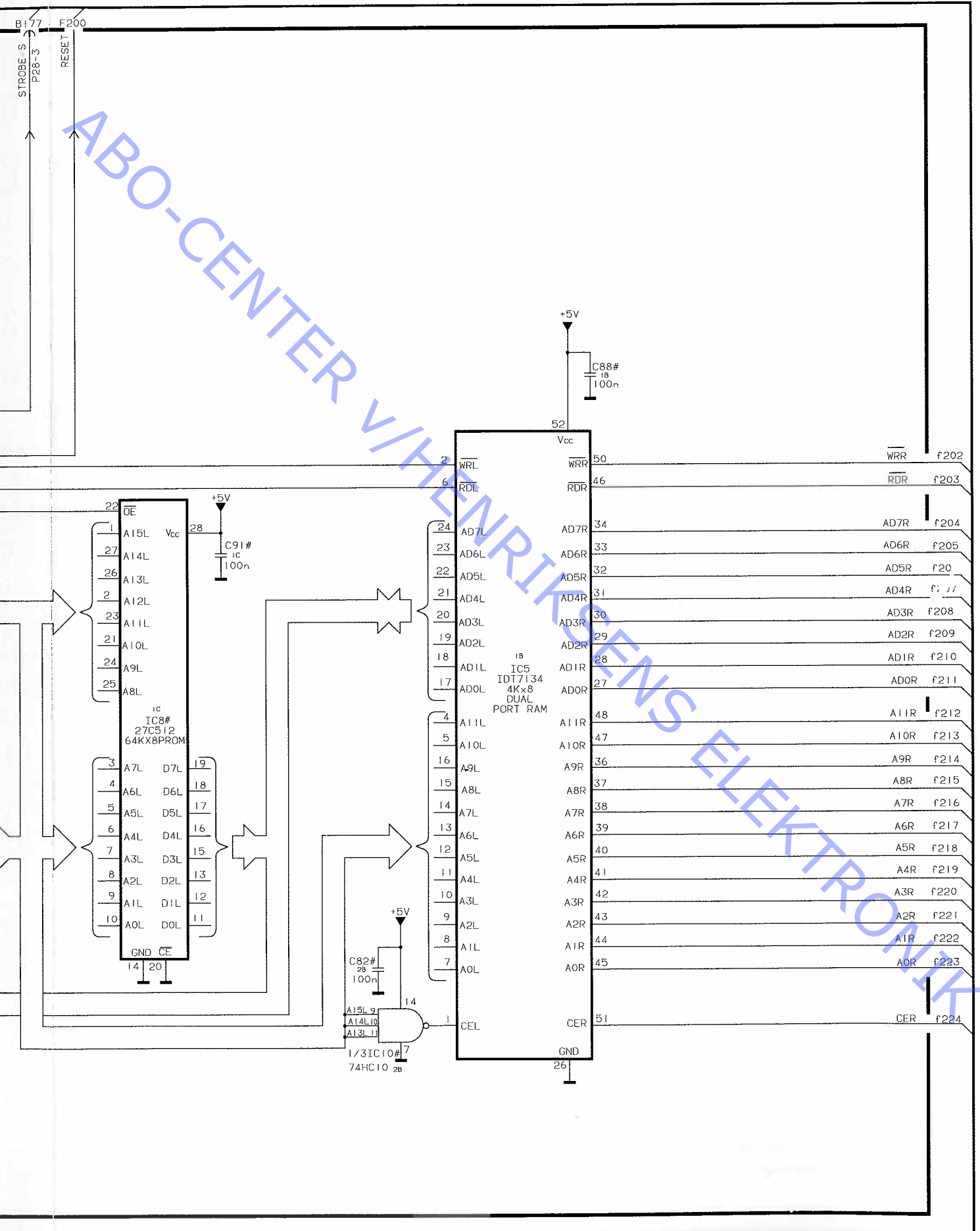


DIAGRAM E DOLBY NR AND TYPE LOGIC





• AFTER REPLACEMENT OFF-SET
ADJUSTMENT HAS TO BE DONE
SEE SECTION 5

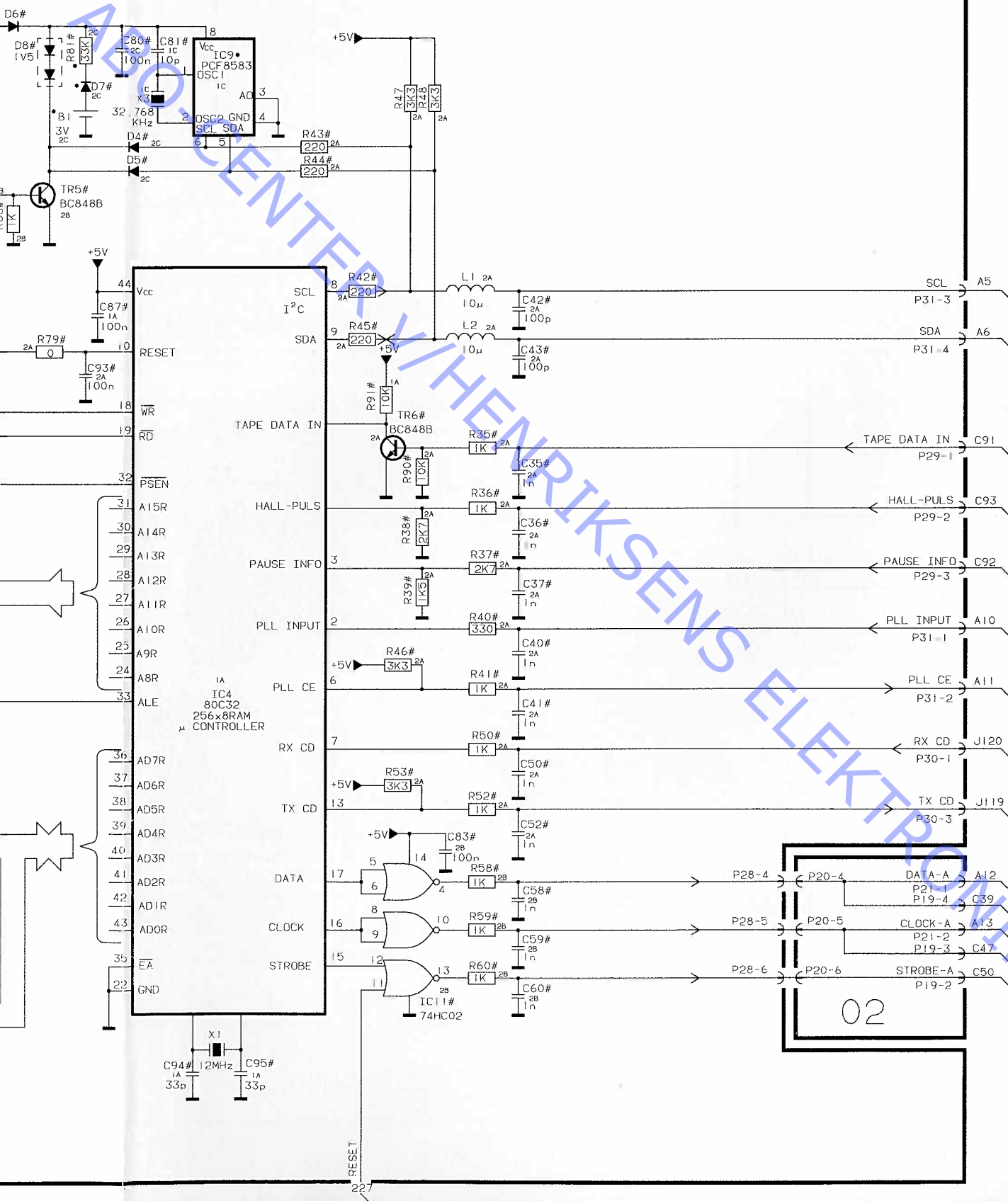
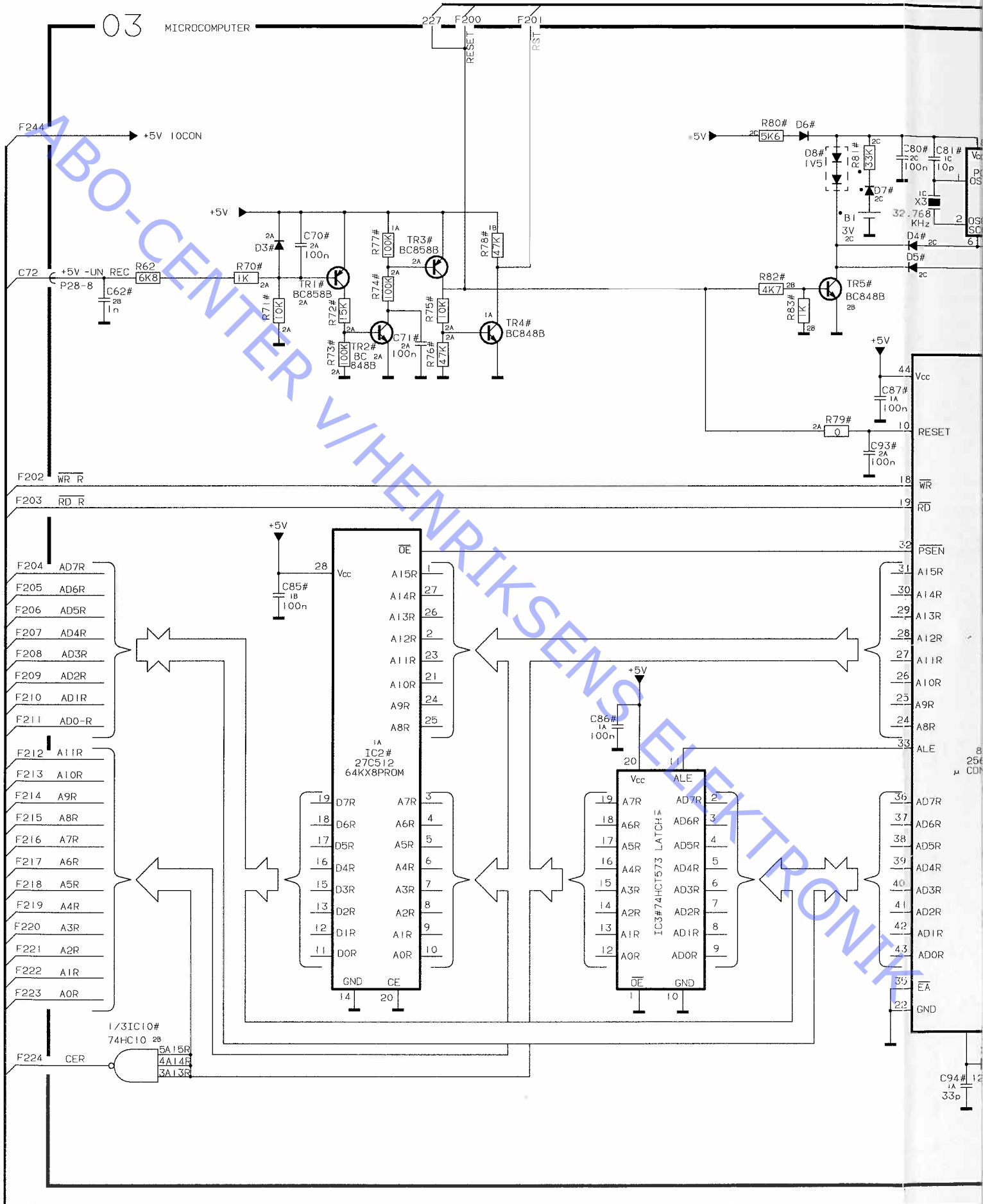
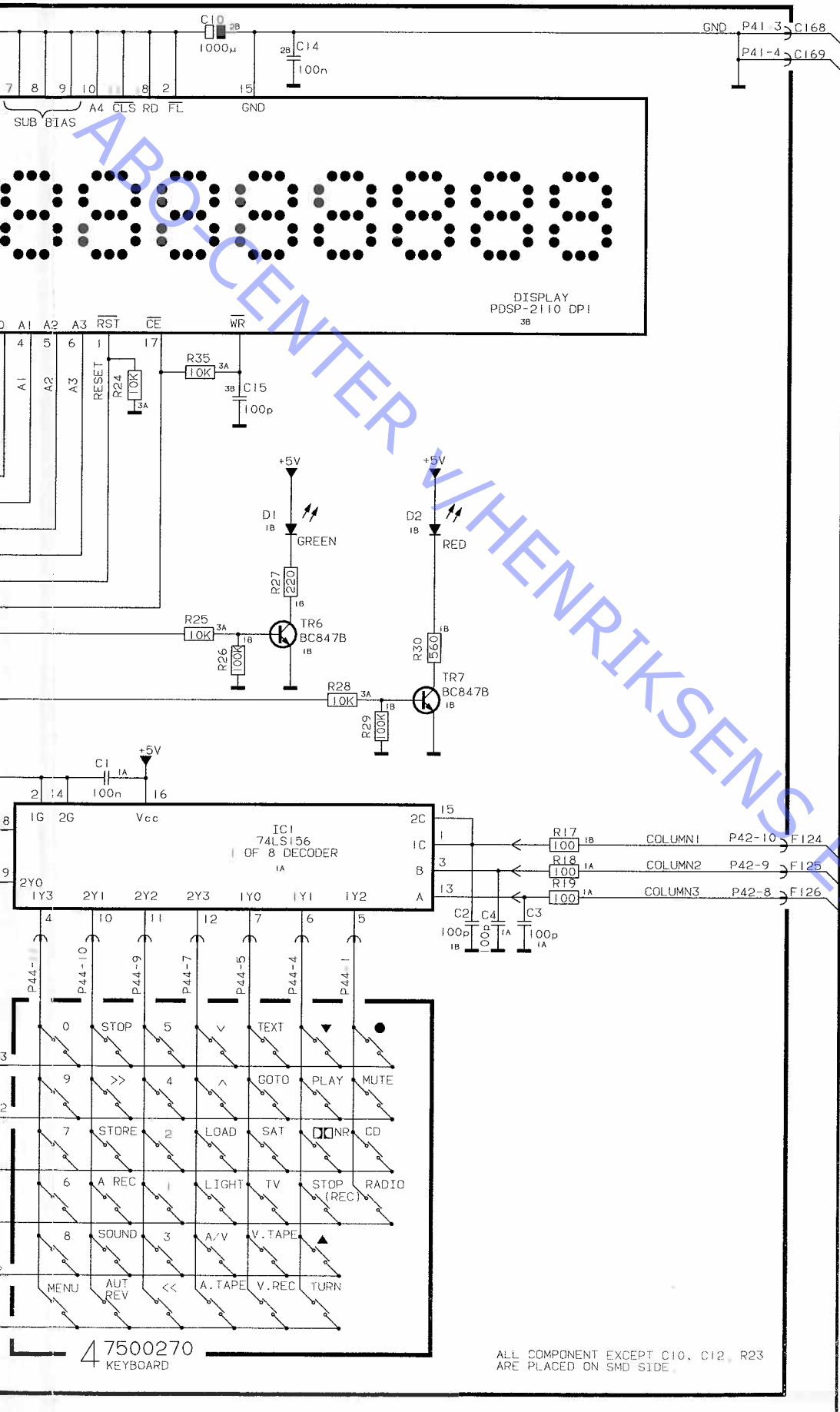


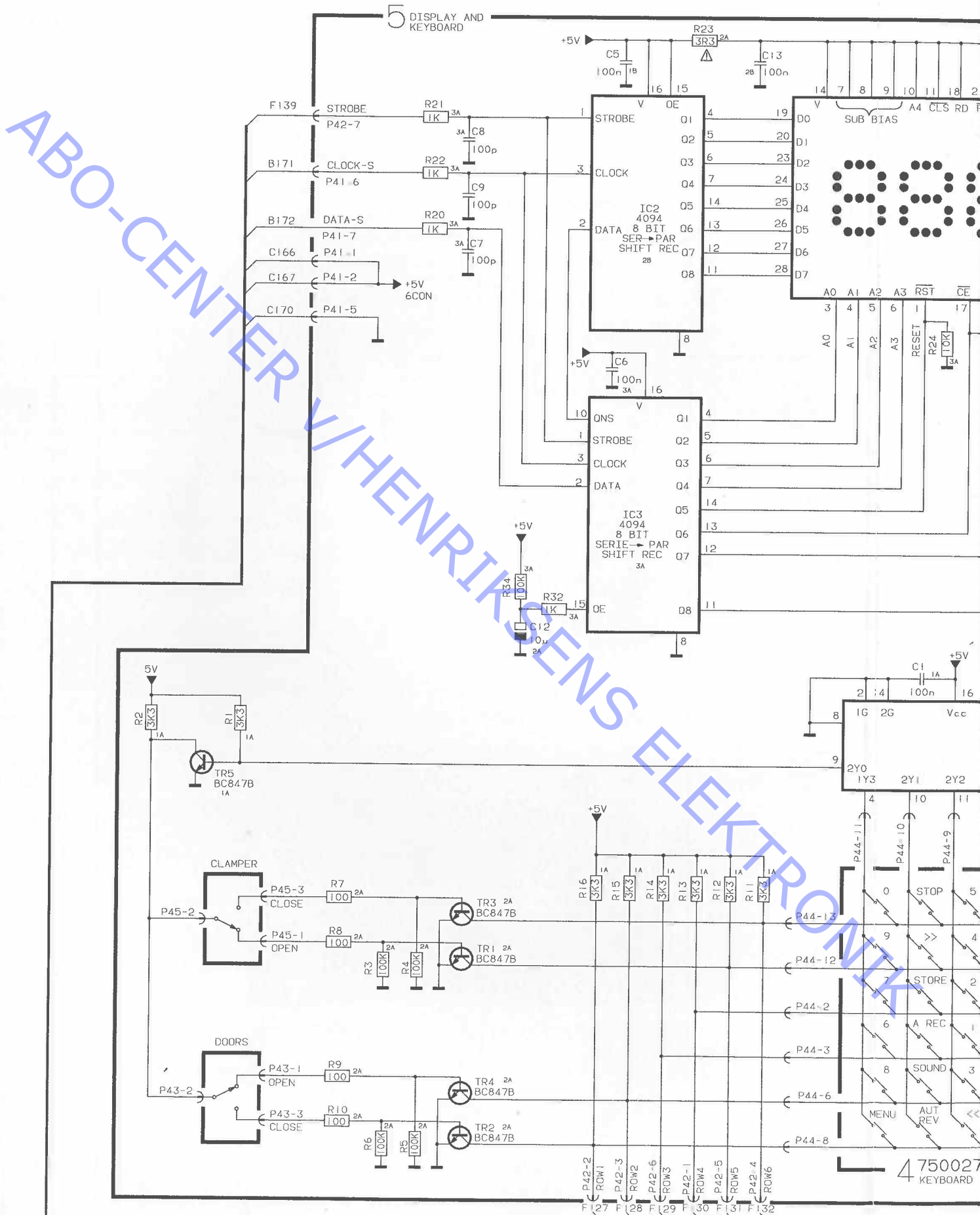
DIAGRAM f MICROCOMPUTER





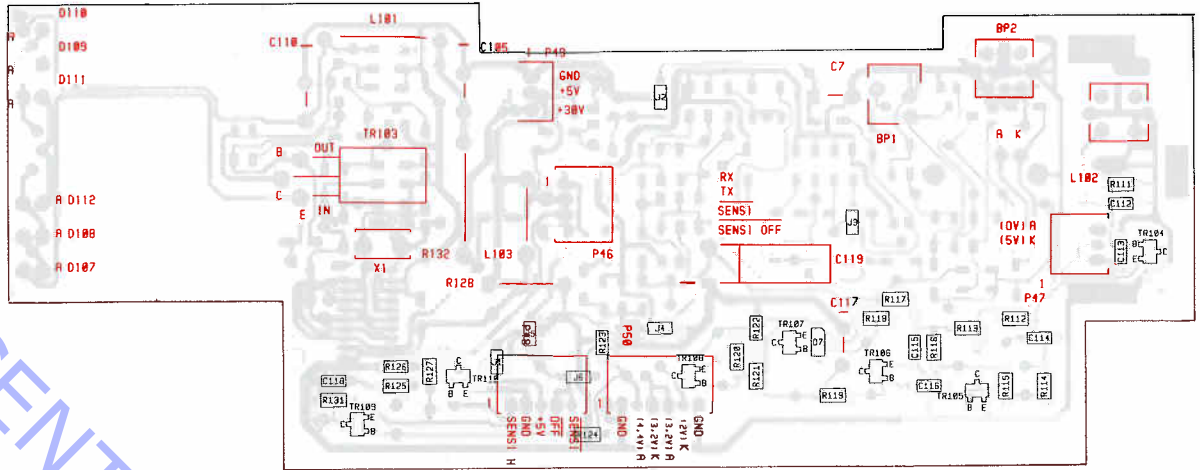
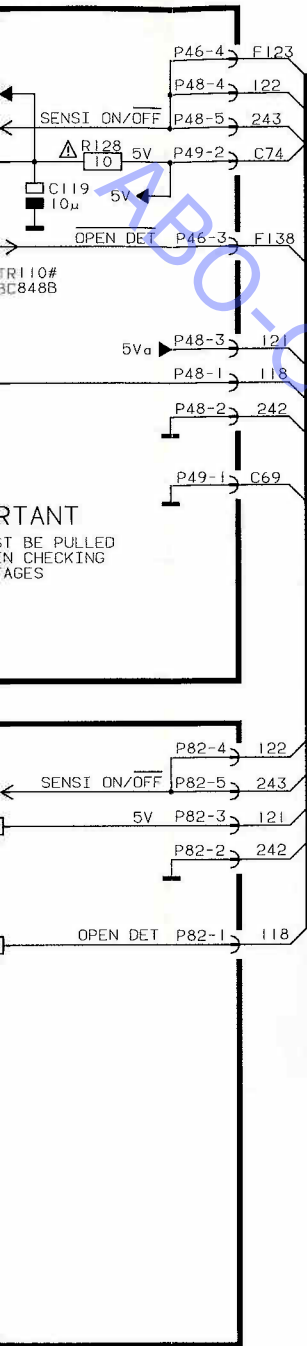
ALL COMPONENT EXCEPT C10, C12, R23 ARE PLACED ON SMD SIDE

DIAGRAM G DISPLAY AND KEYBOARD



ABO-CENTER V/HENRIKSENS ELEKTROM

PCB6, Door Sensor



PCB 11, Right door sensor

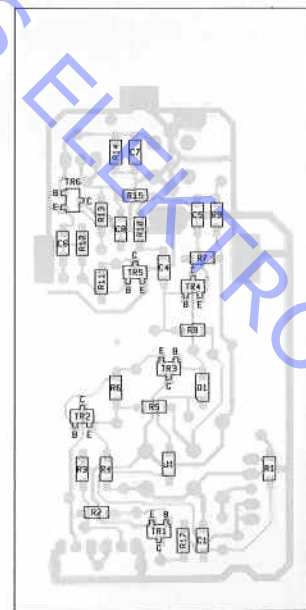
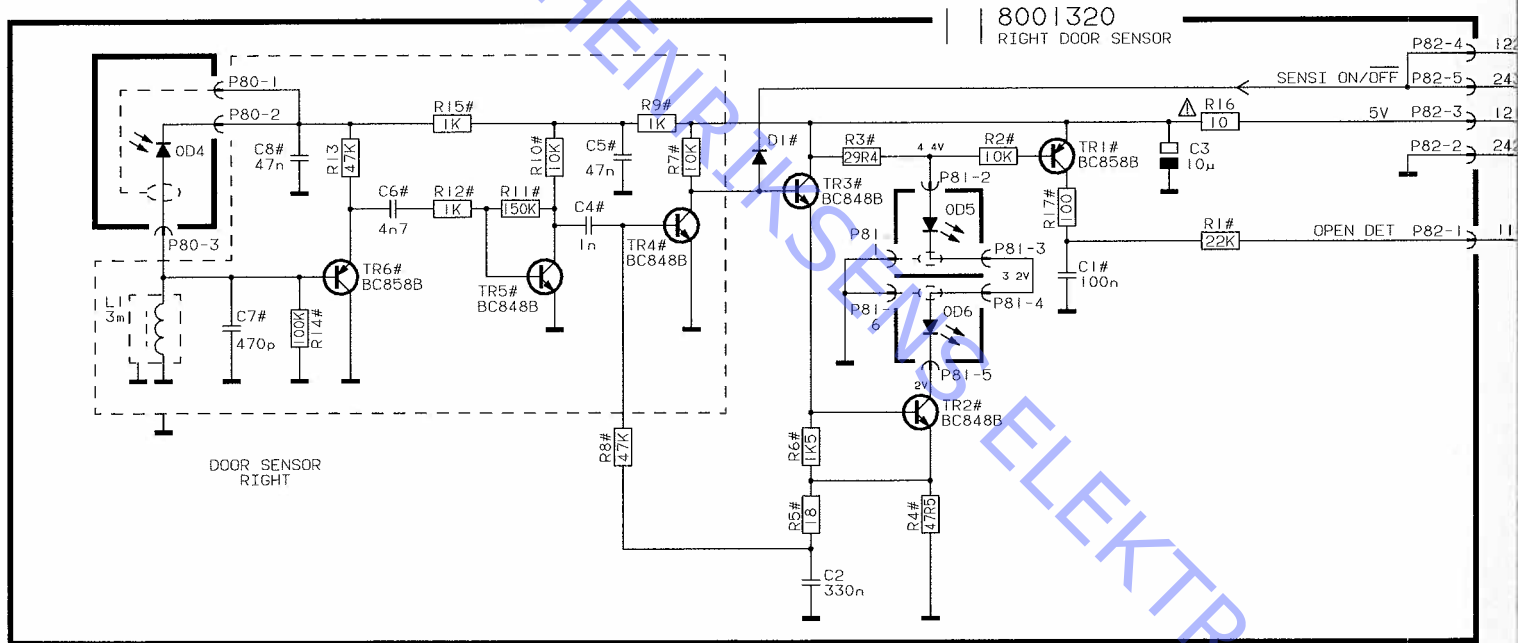
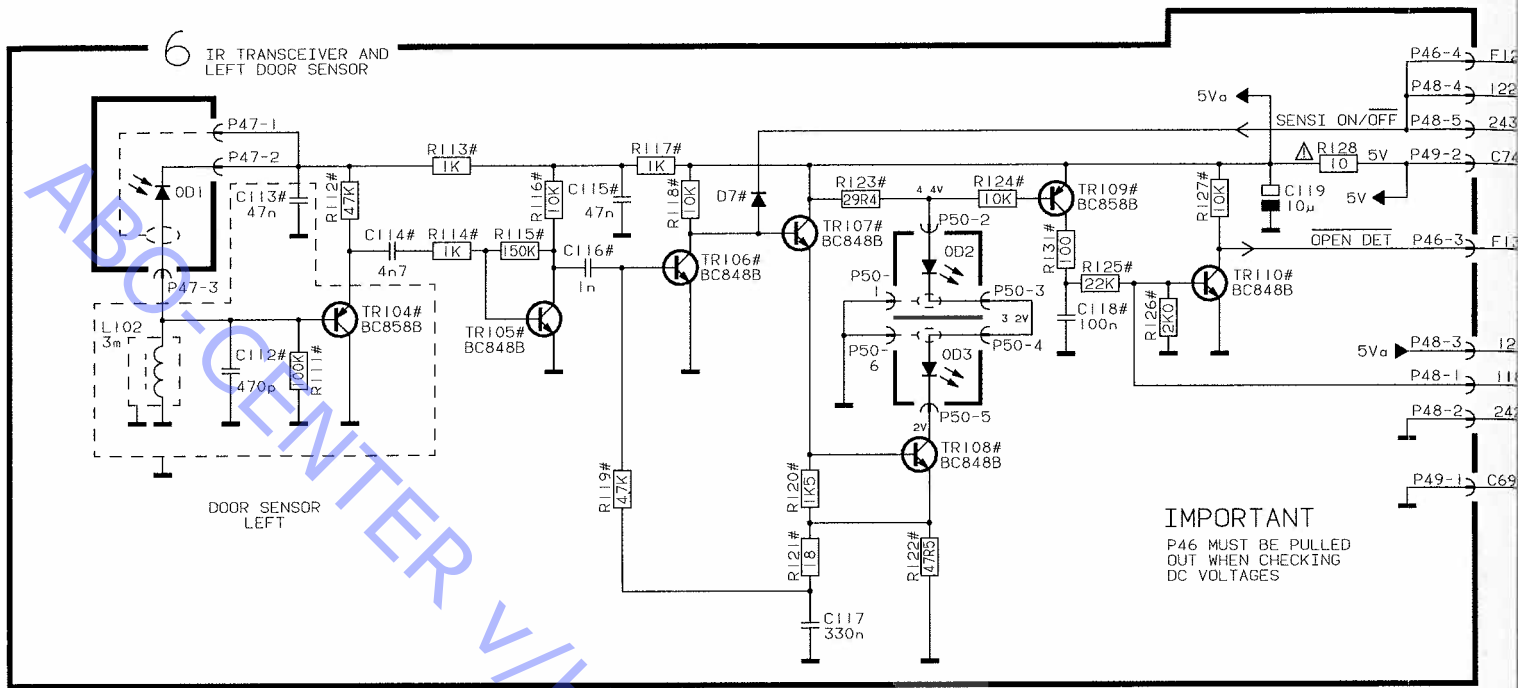


DIAGRAM H DOOR SENSOR



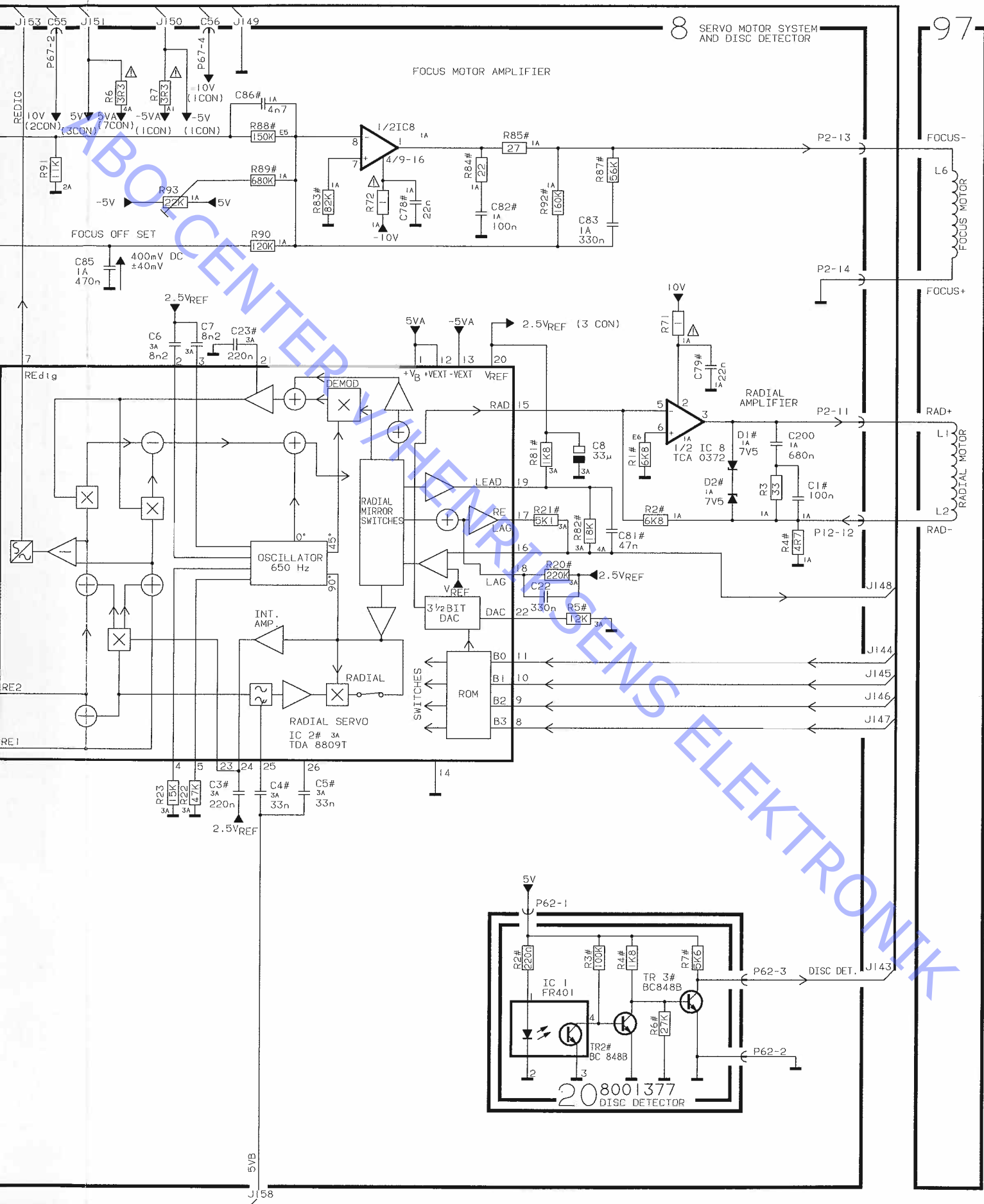
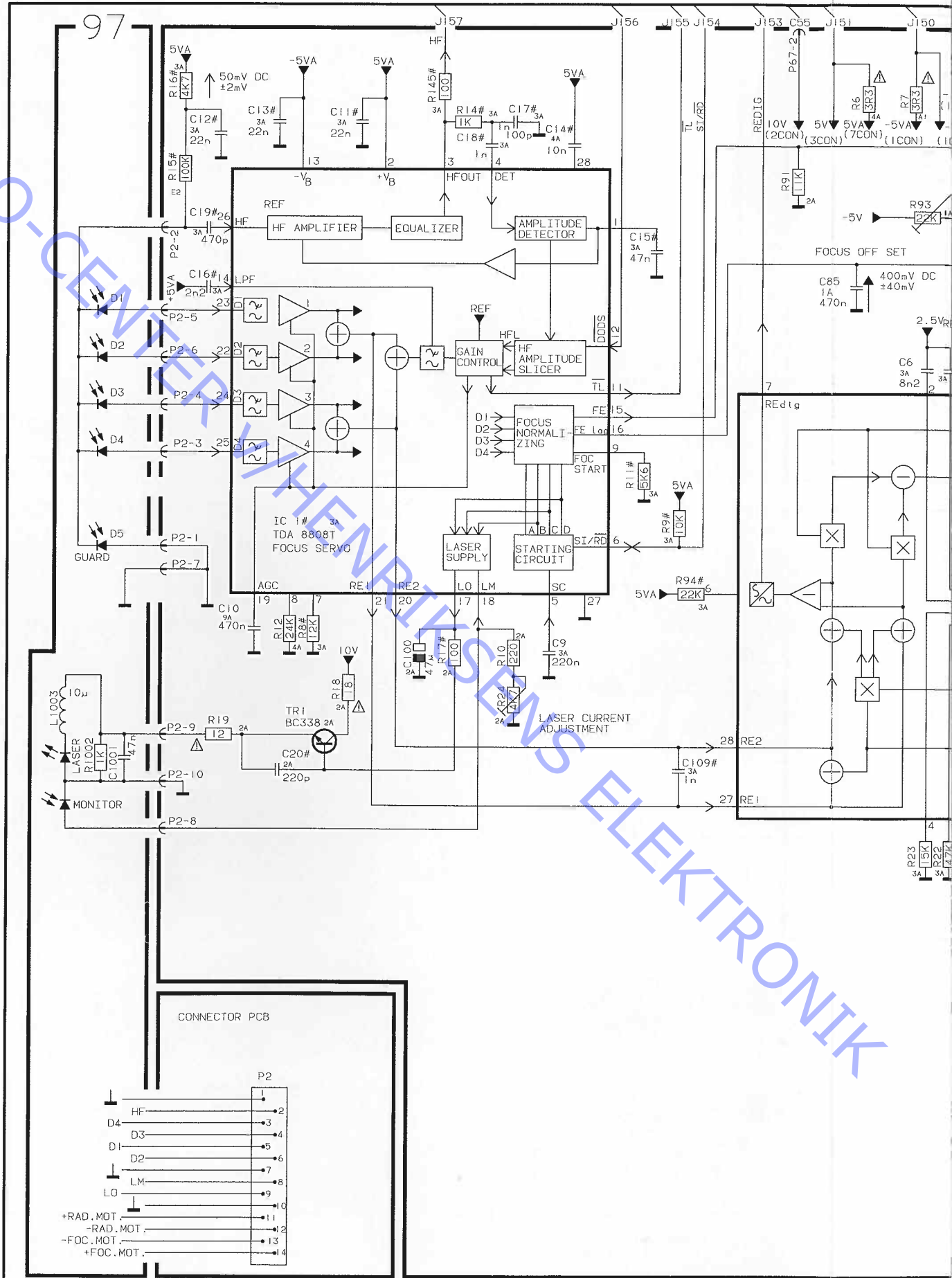


DIAGRAM I CD SERVO MOTOR SYSTEM AND DISC DETECTOR



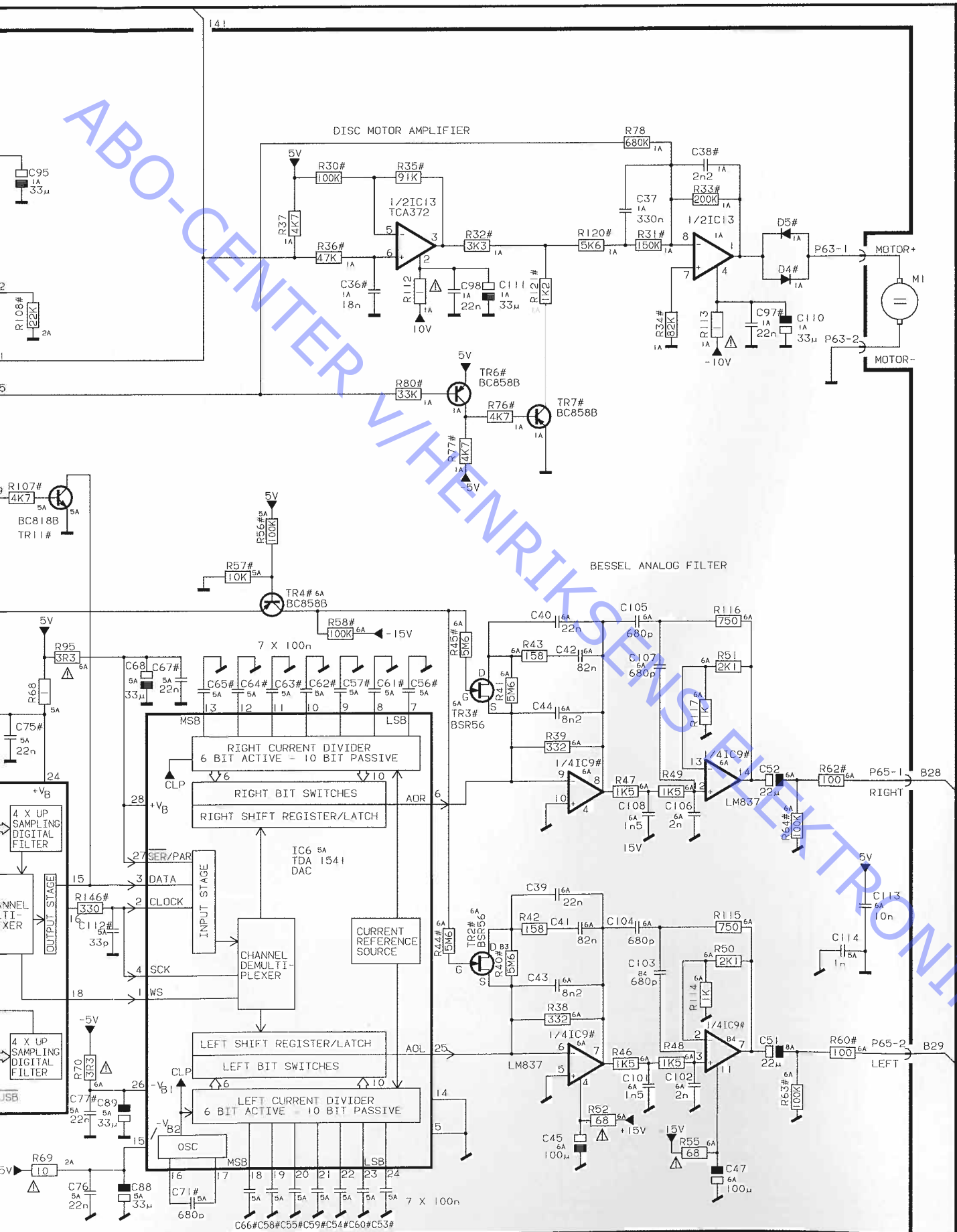
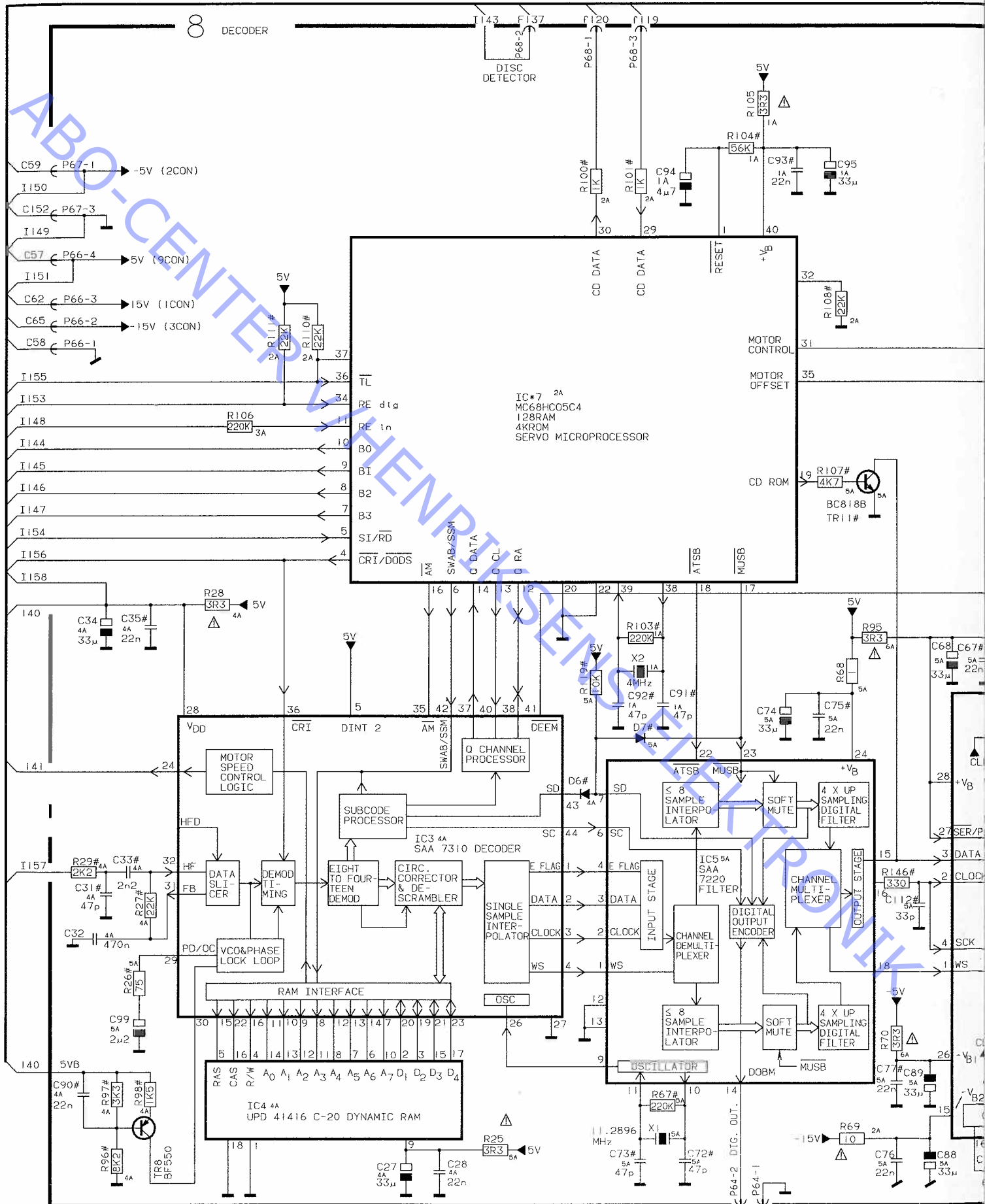
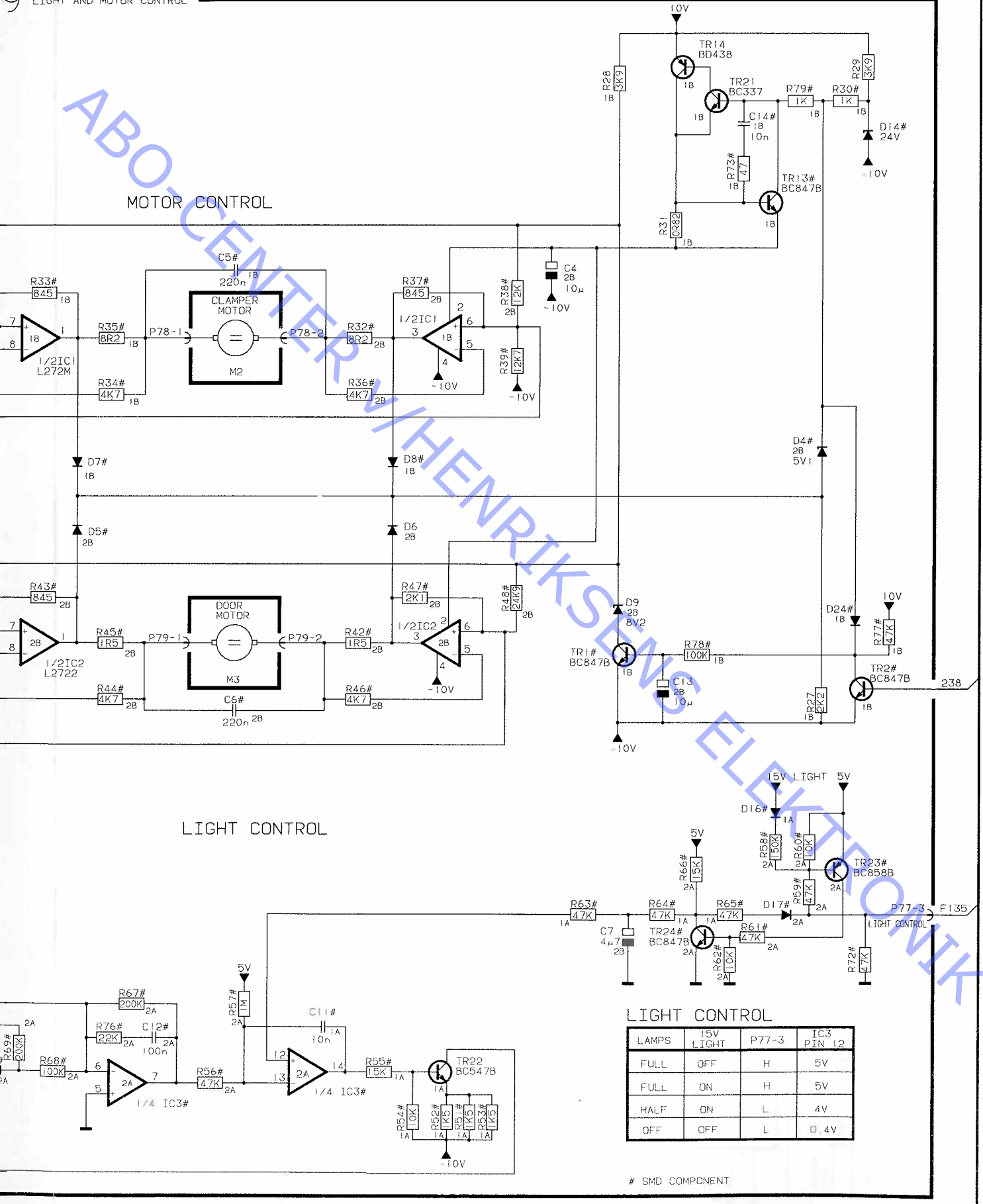


DIAGRAM J CD DECODER



9 LIGHT AND MOTOR CONTROL

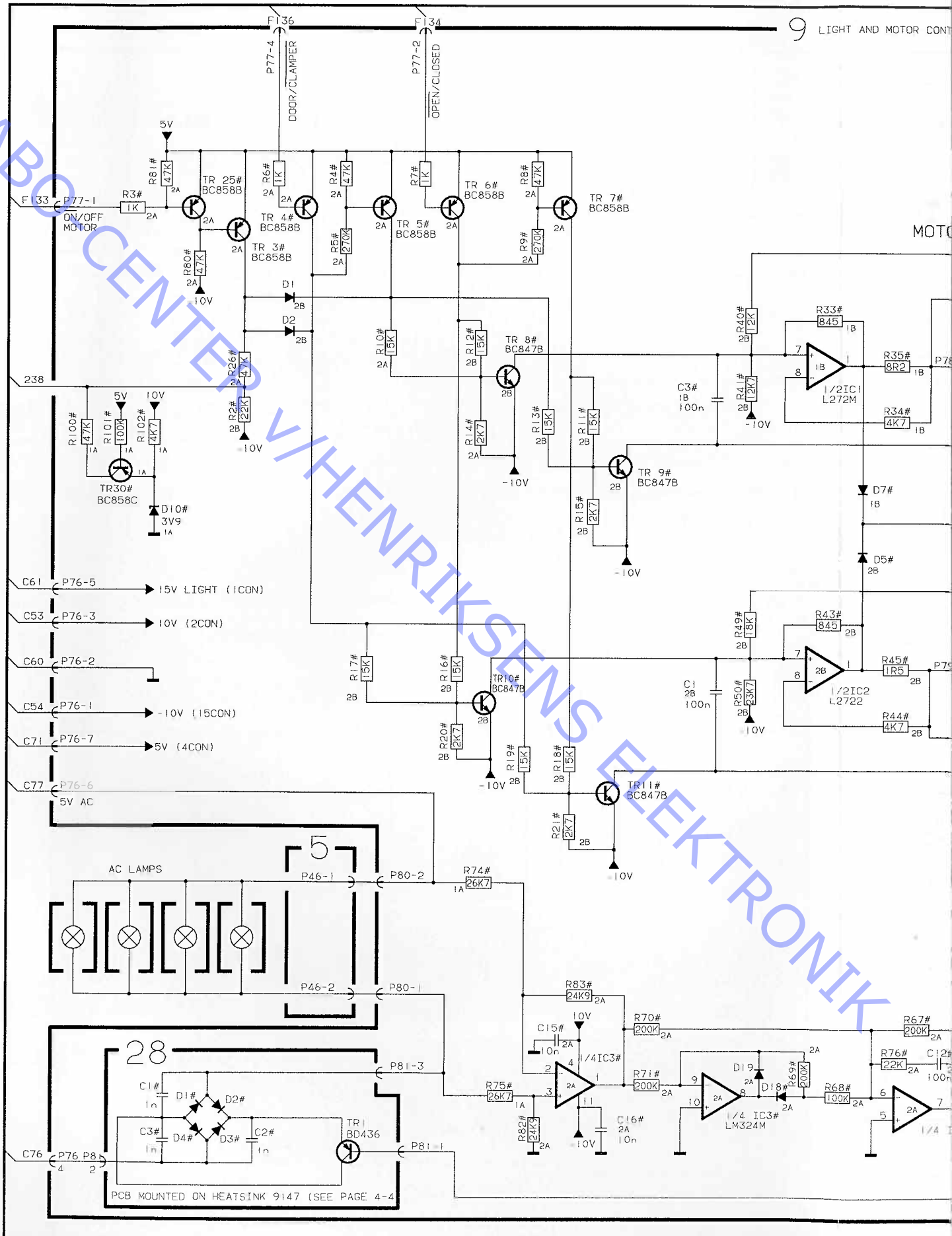


LIGHT CONTROL

LAMPS	15V LIGHT	P77-3	IC3 PIN 12
FULL	OFF	H	5V
FULL	ON	H	5V
HALF	ON	L	4V
OFF	OFF	L	0.4V

SMD COMPONENT

DIAGRAM K LIGHT AND MOTOR CONTROL



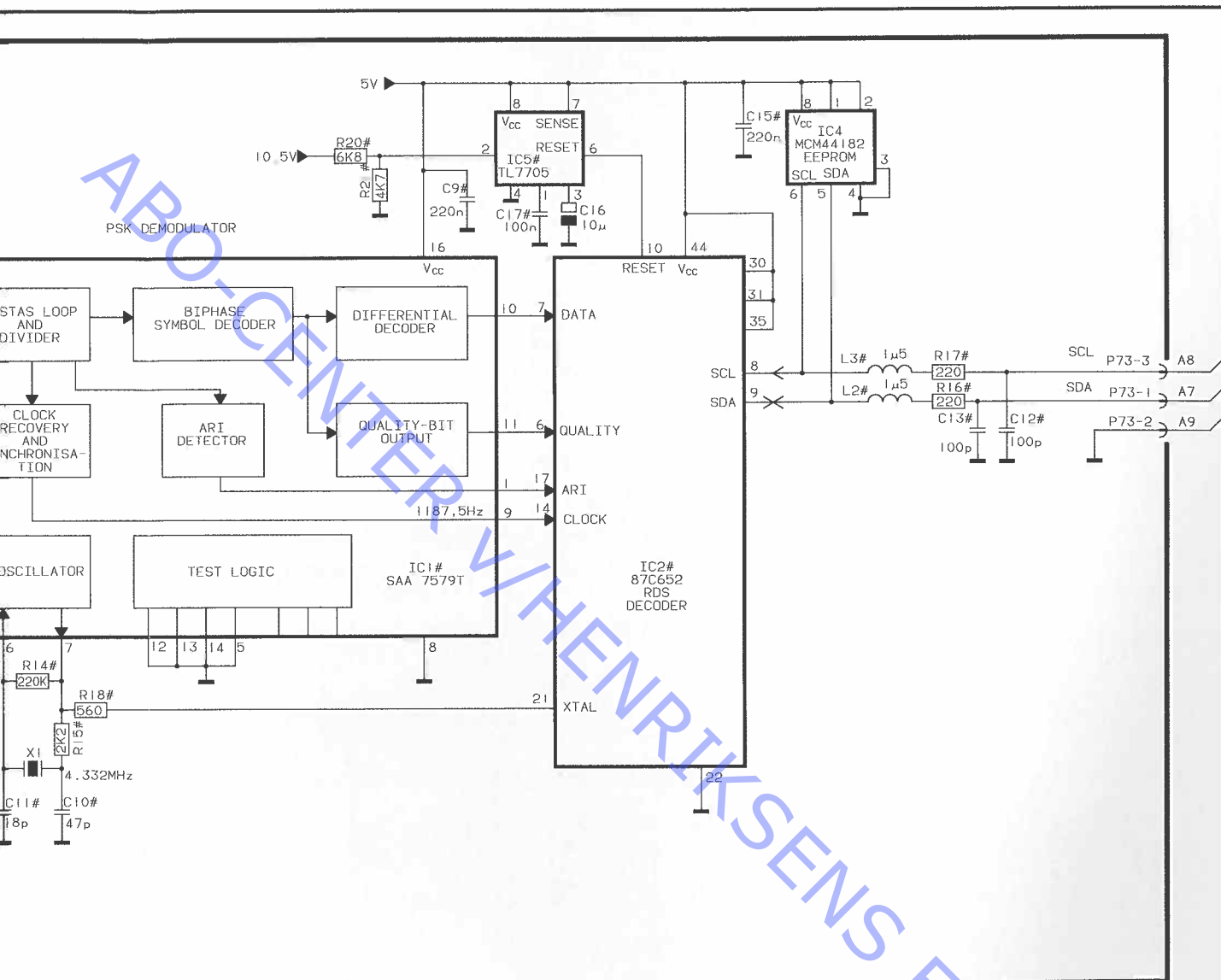
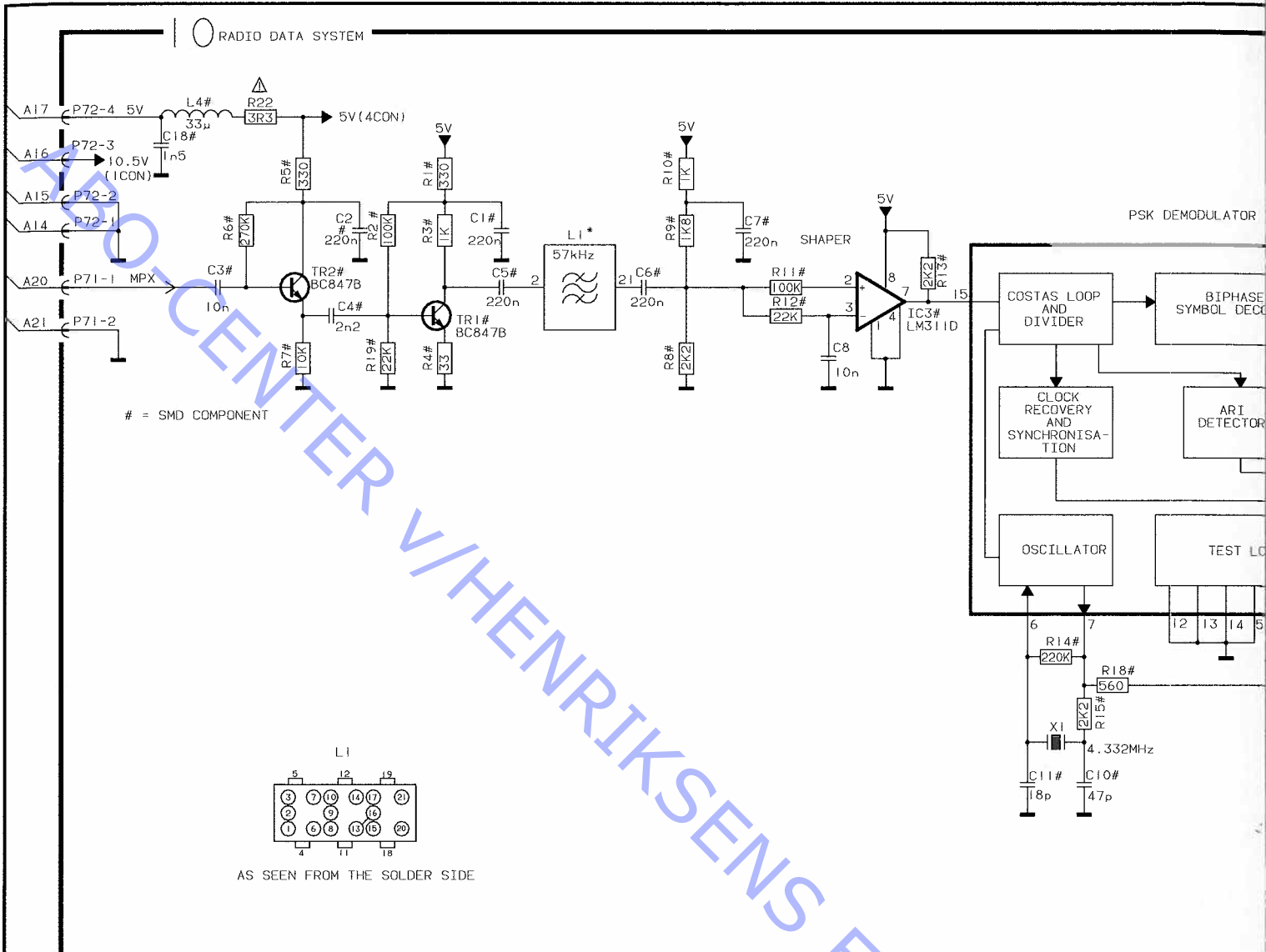
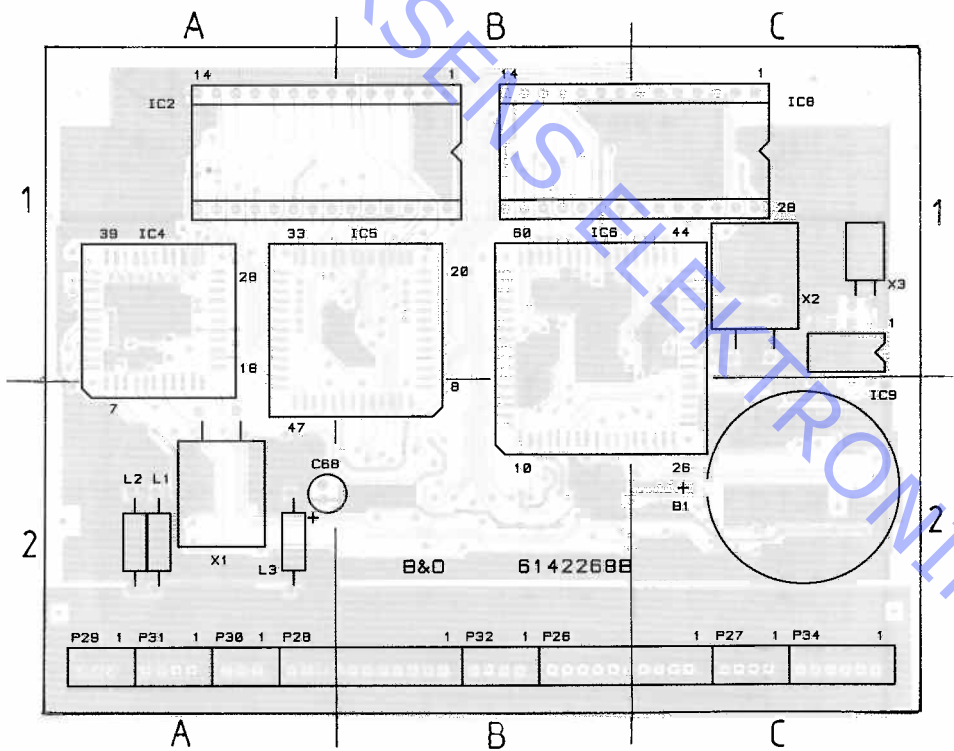
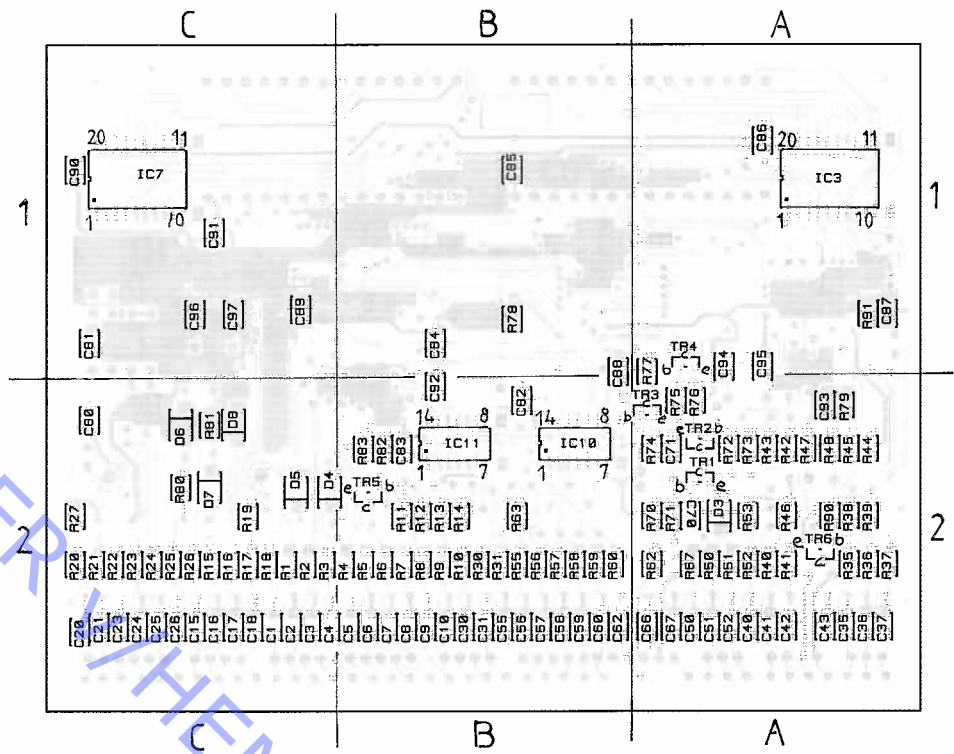
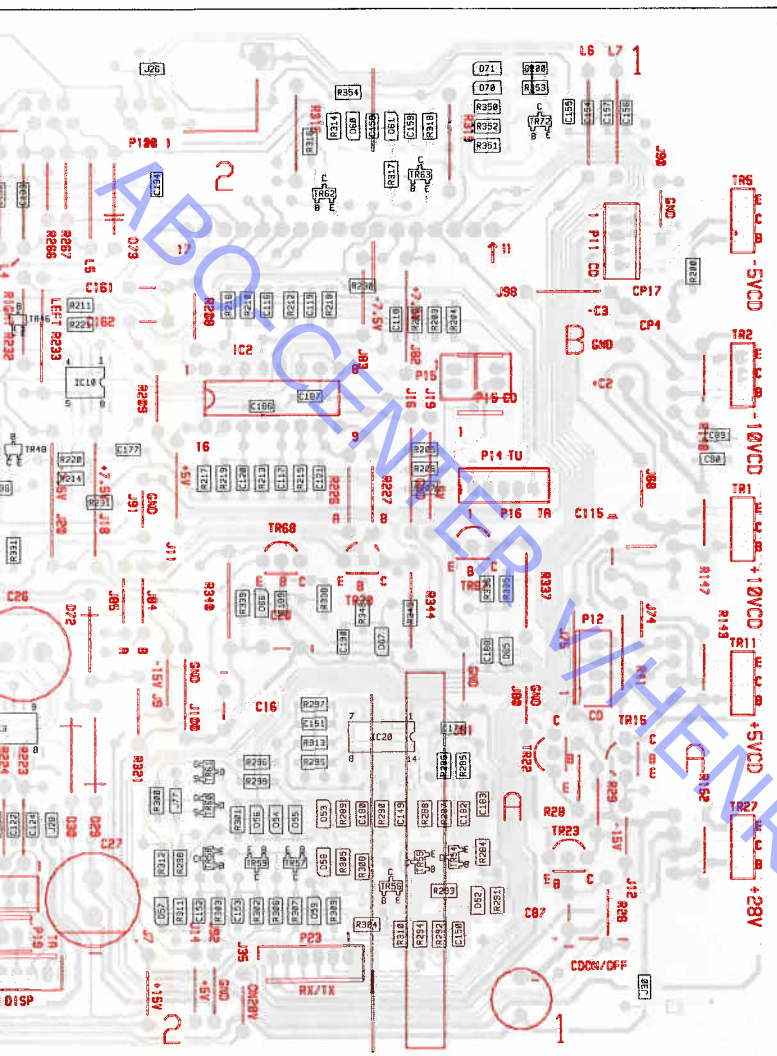


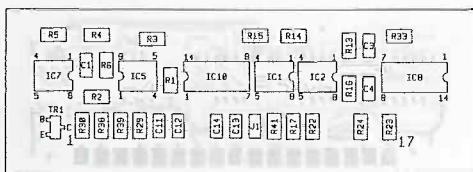
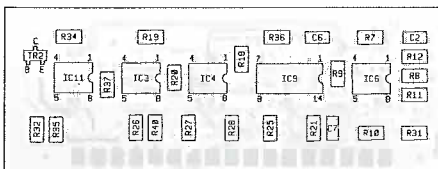
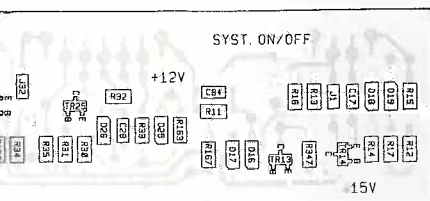
DIAGRAM L RADIO DATA SYSTEM



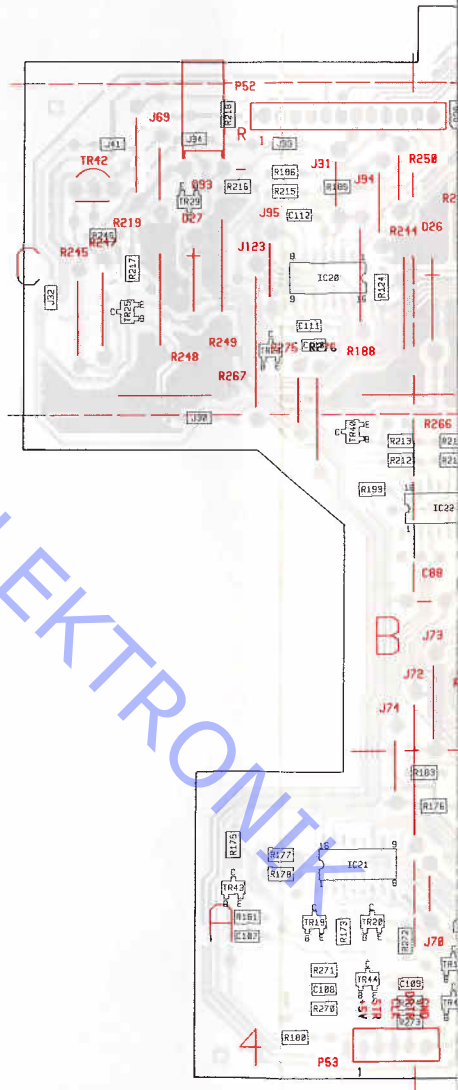
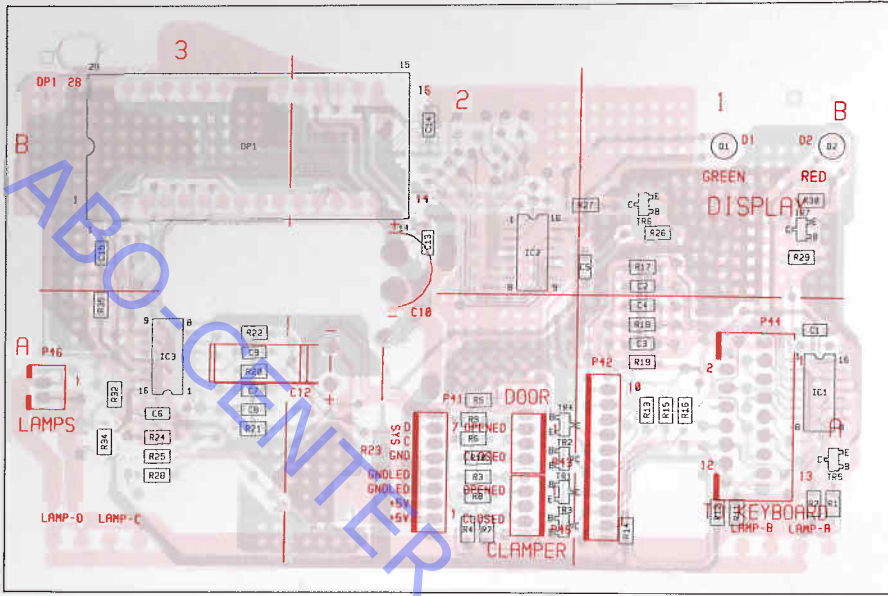


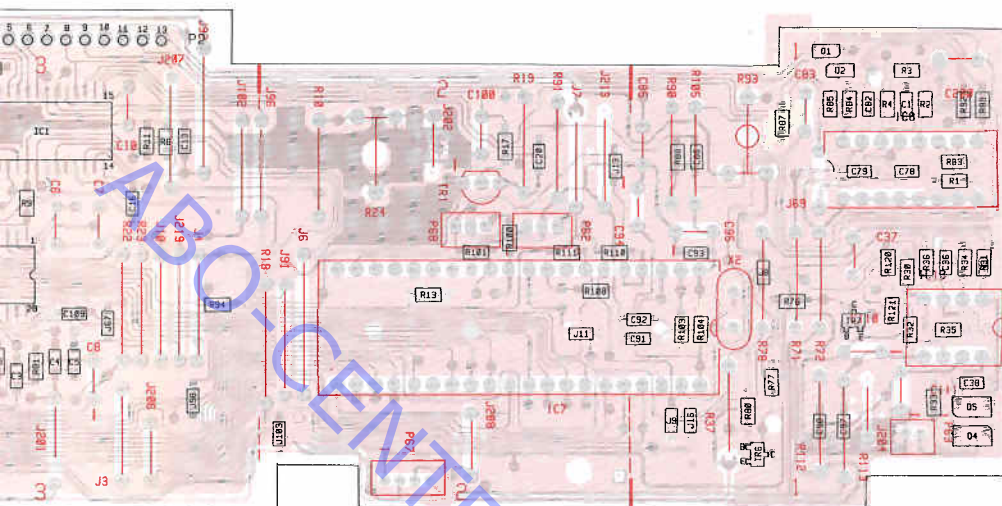


PCB Master Link Interface

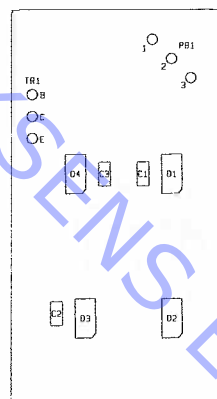


PCB 5 Display





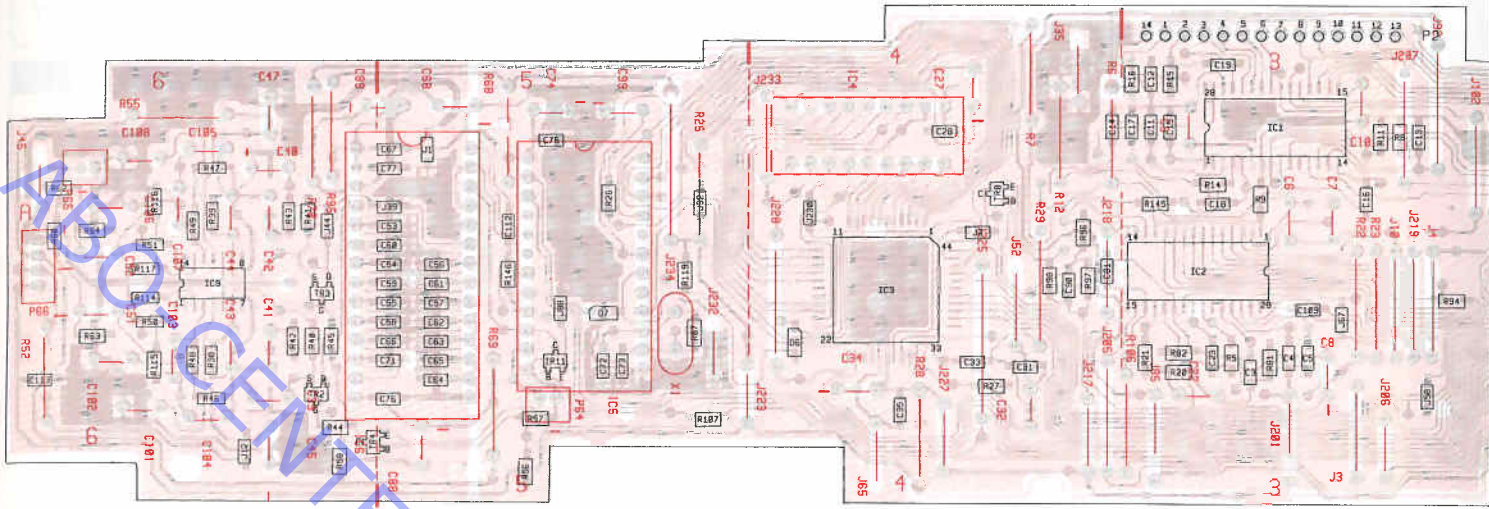
PCB 28 Light Control Output



PCB 20, Disc detector



PCB 8, CD, Version G



PCB, Light and motor control, Version G

