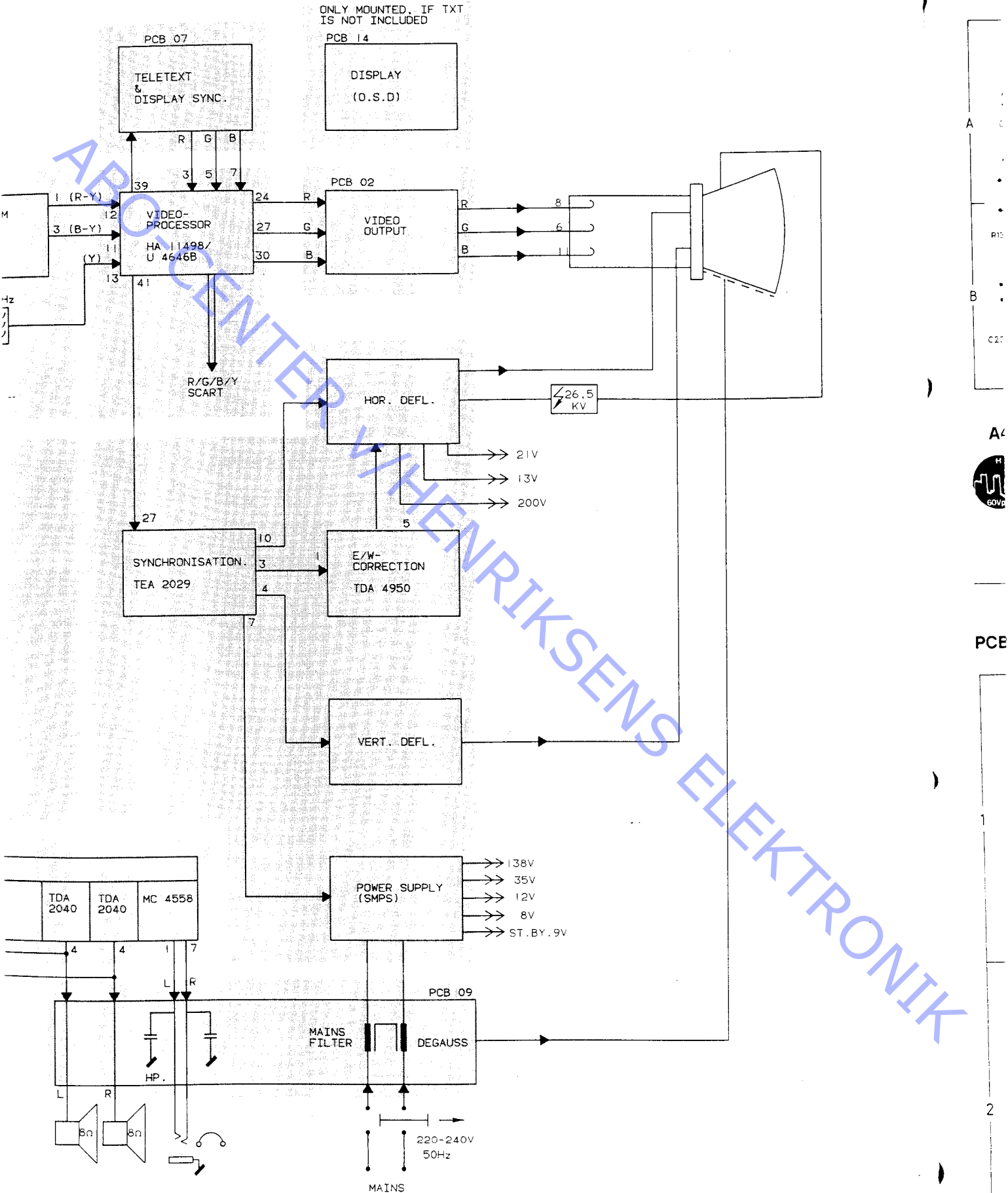
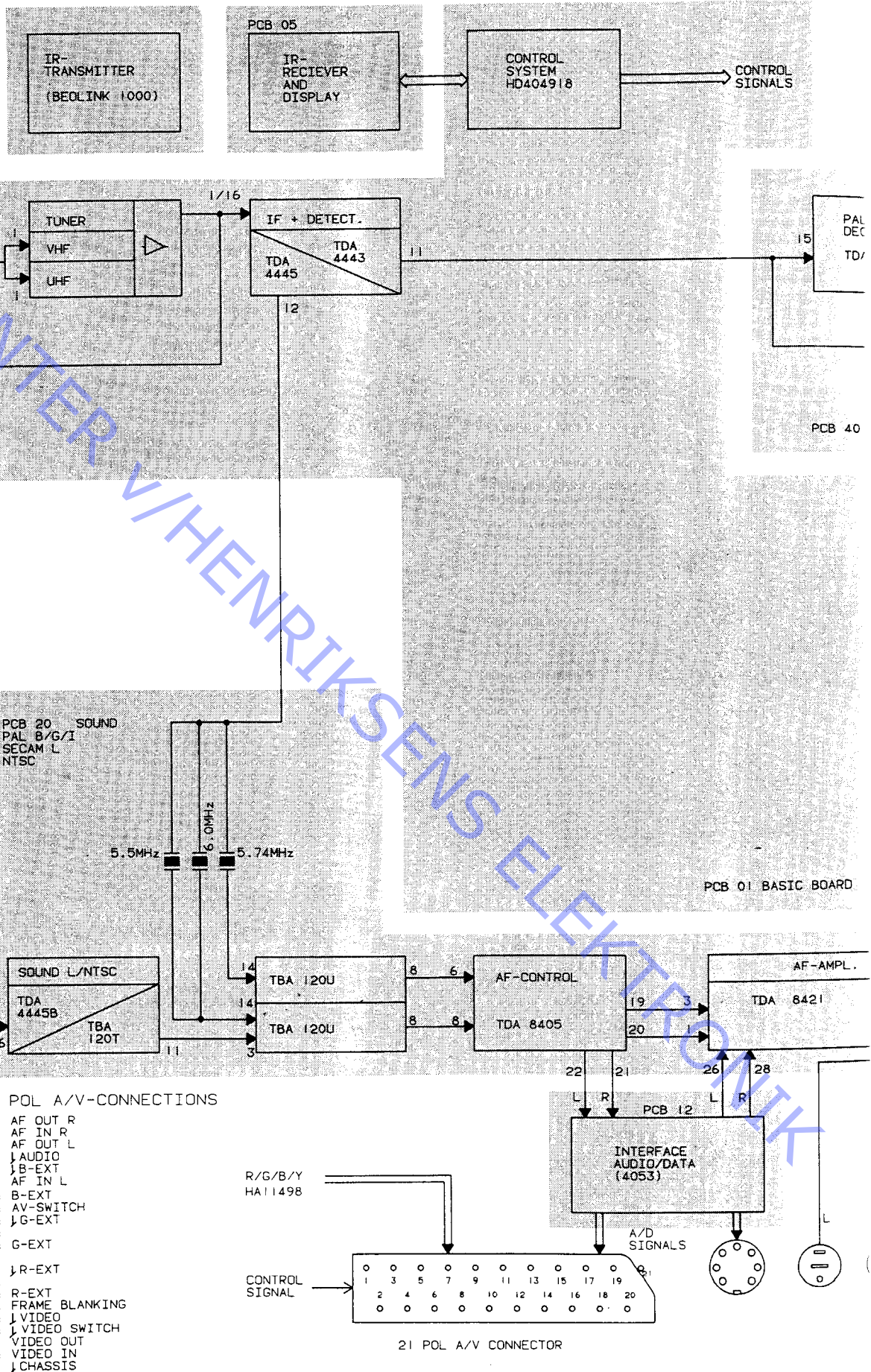


ONLY MOUNTED, IF TXT IS NOT INCLUDED

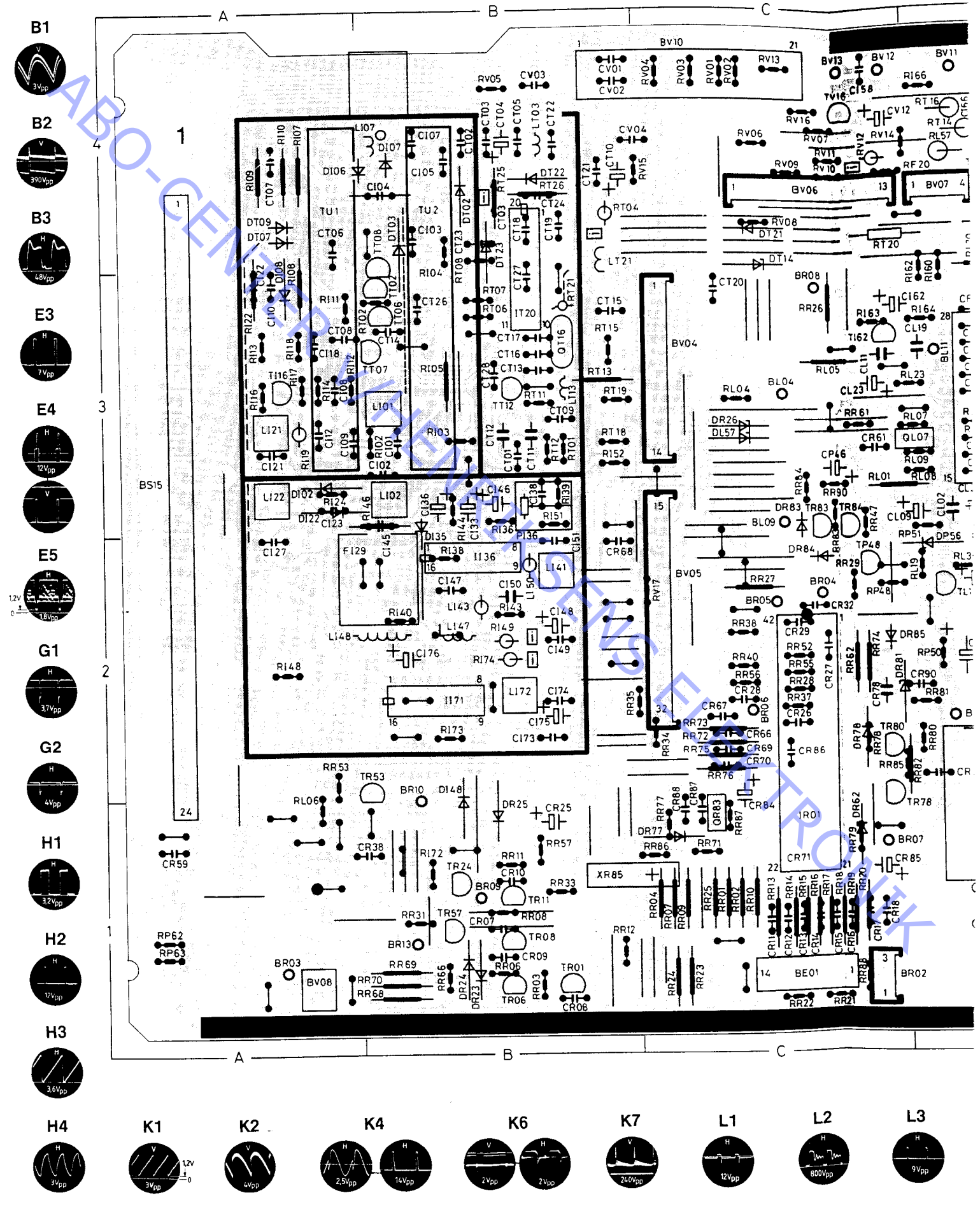


A
C
R
B
C2
A
60V
PCE
2

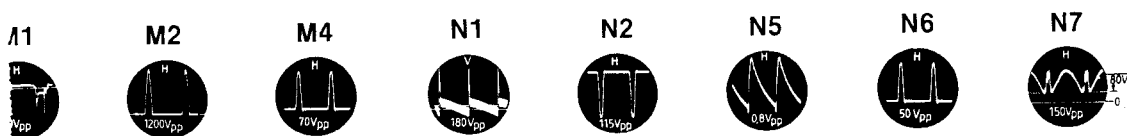
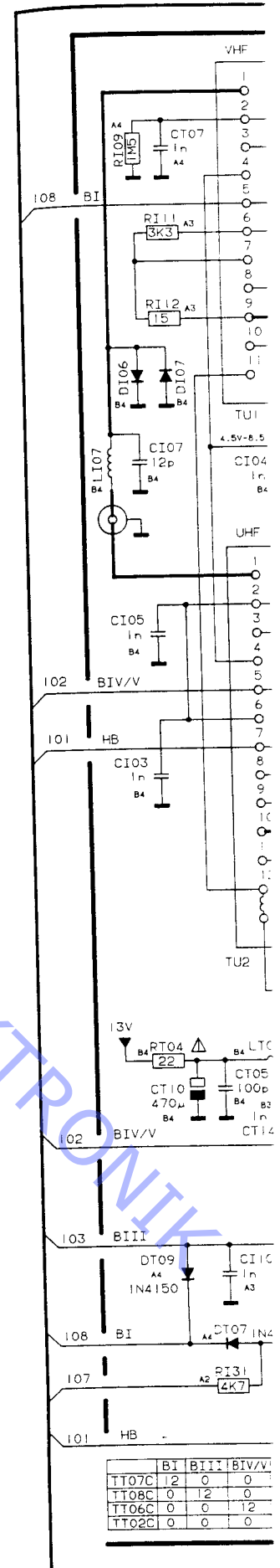
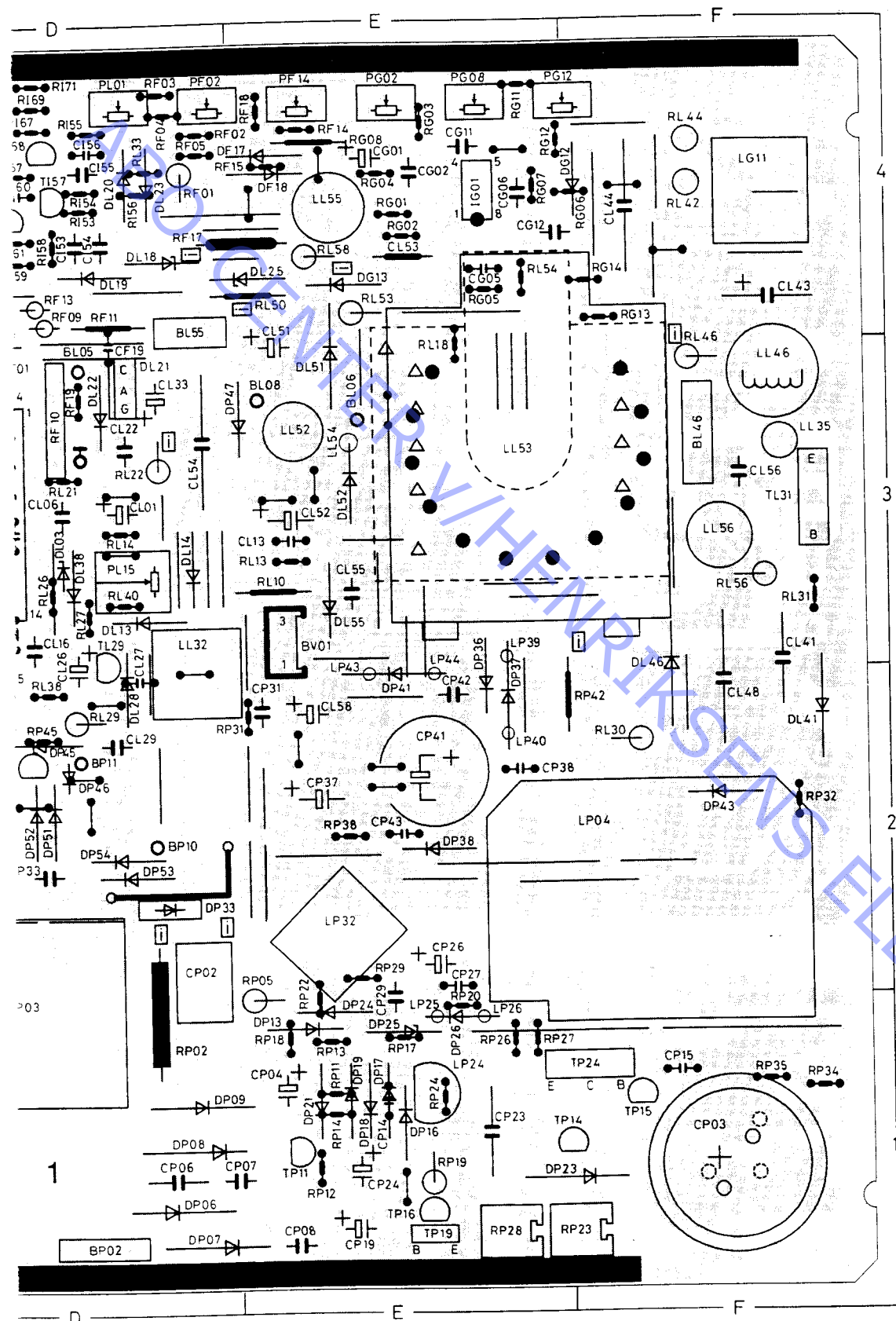
BLOCKDIAGRAM



CB1, BASIC BOARD

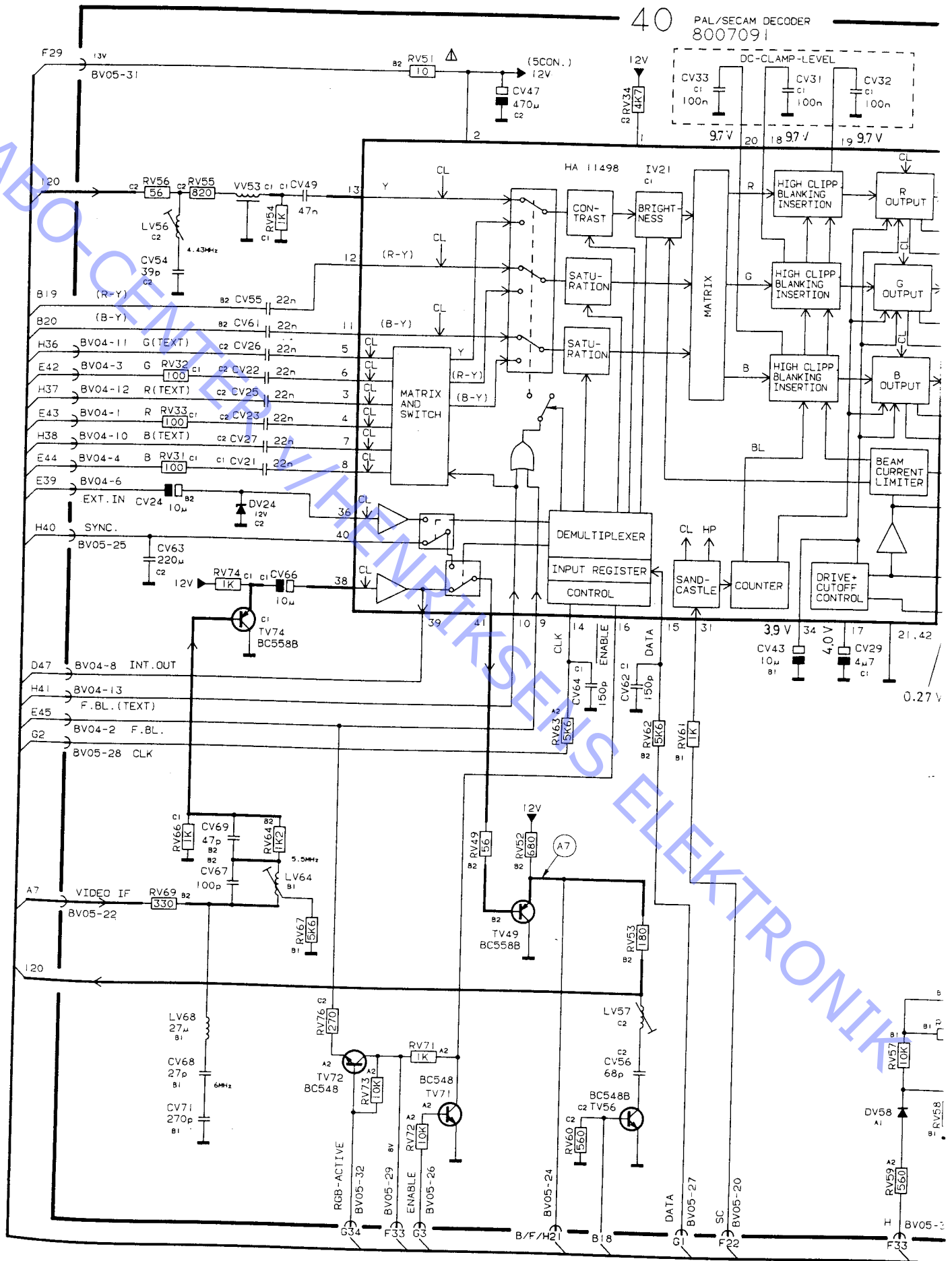


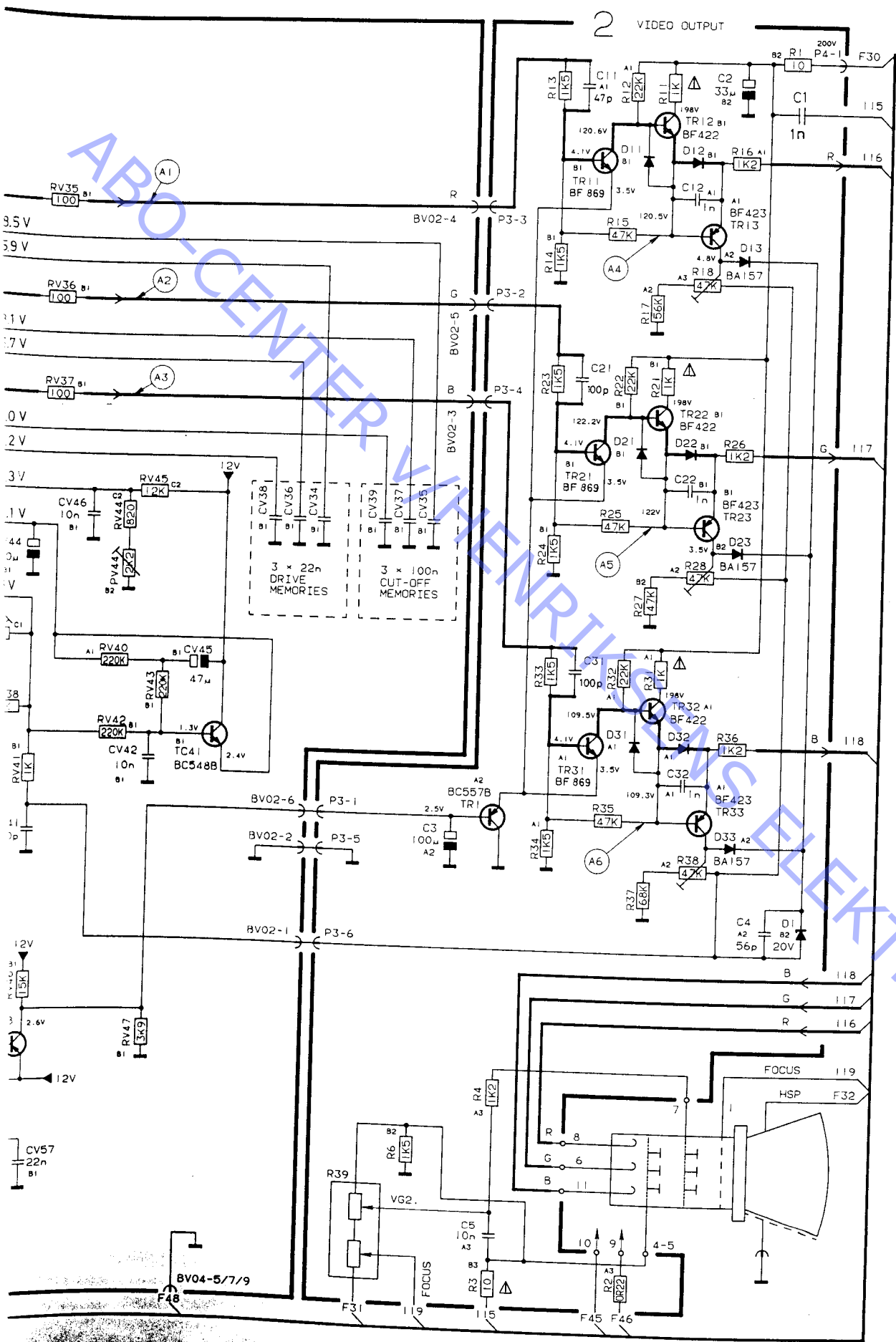
- B1
- B2
- B3
- E3
- E4
- E5
- G1
- G2
- H1
- H2
- H3
- H4
- K1
- K2
- K4
- K6
- K7
- L1
- L2
- L3



	BI	BII	BIII	BIV	BV
TT07C	12	0	0	0	0
TT08C	0	12	0	0	0
TT06C	0	0	12	0	0
TT02C	0	0	0	12	0

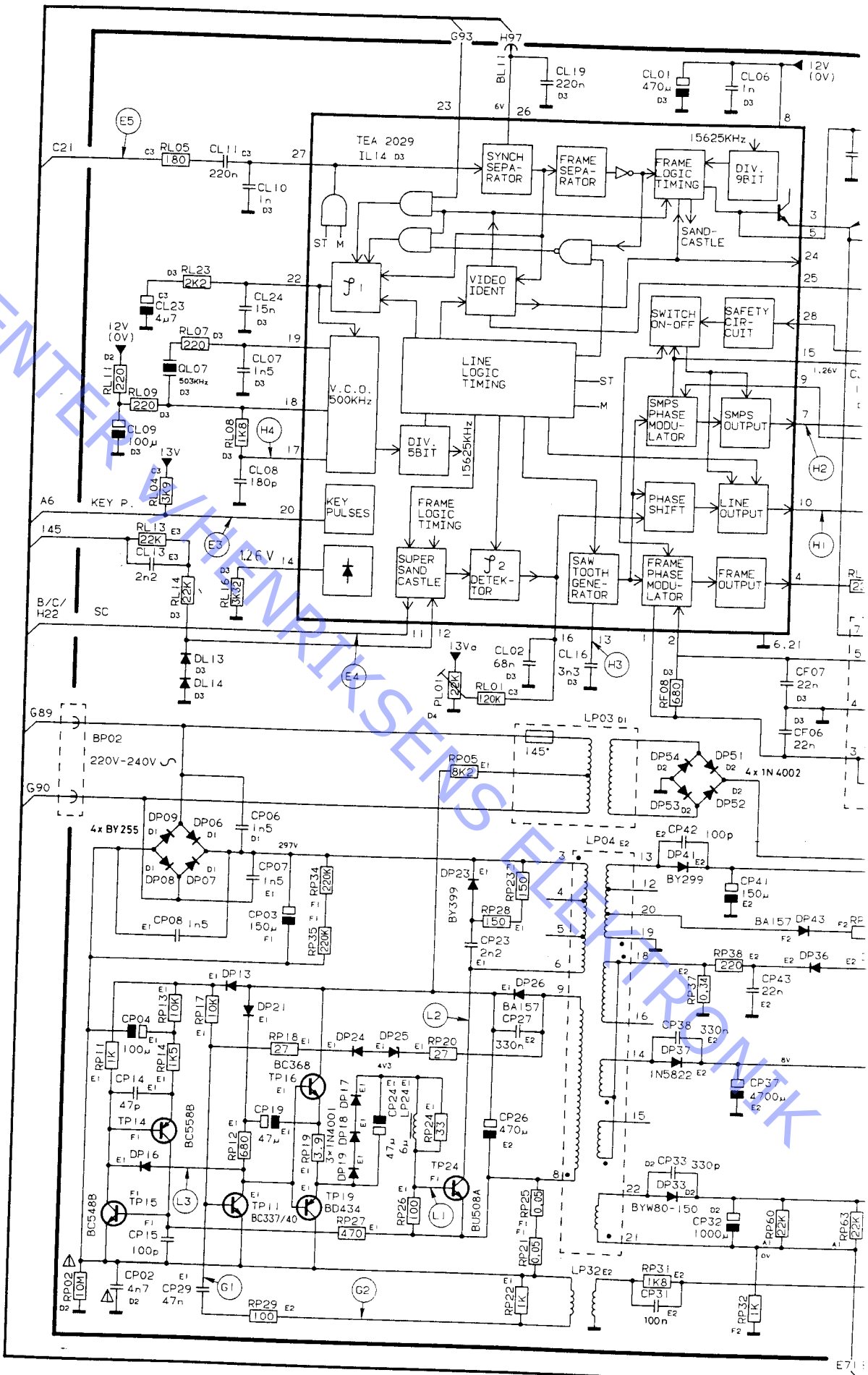
DIAGRAM C PAL/SECAM DECODER, VIDEO OUTPUT



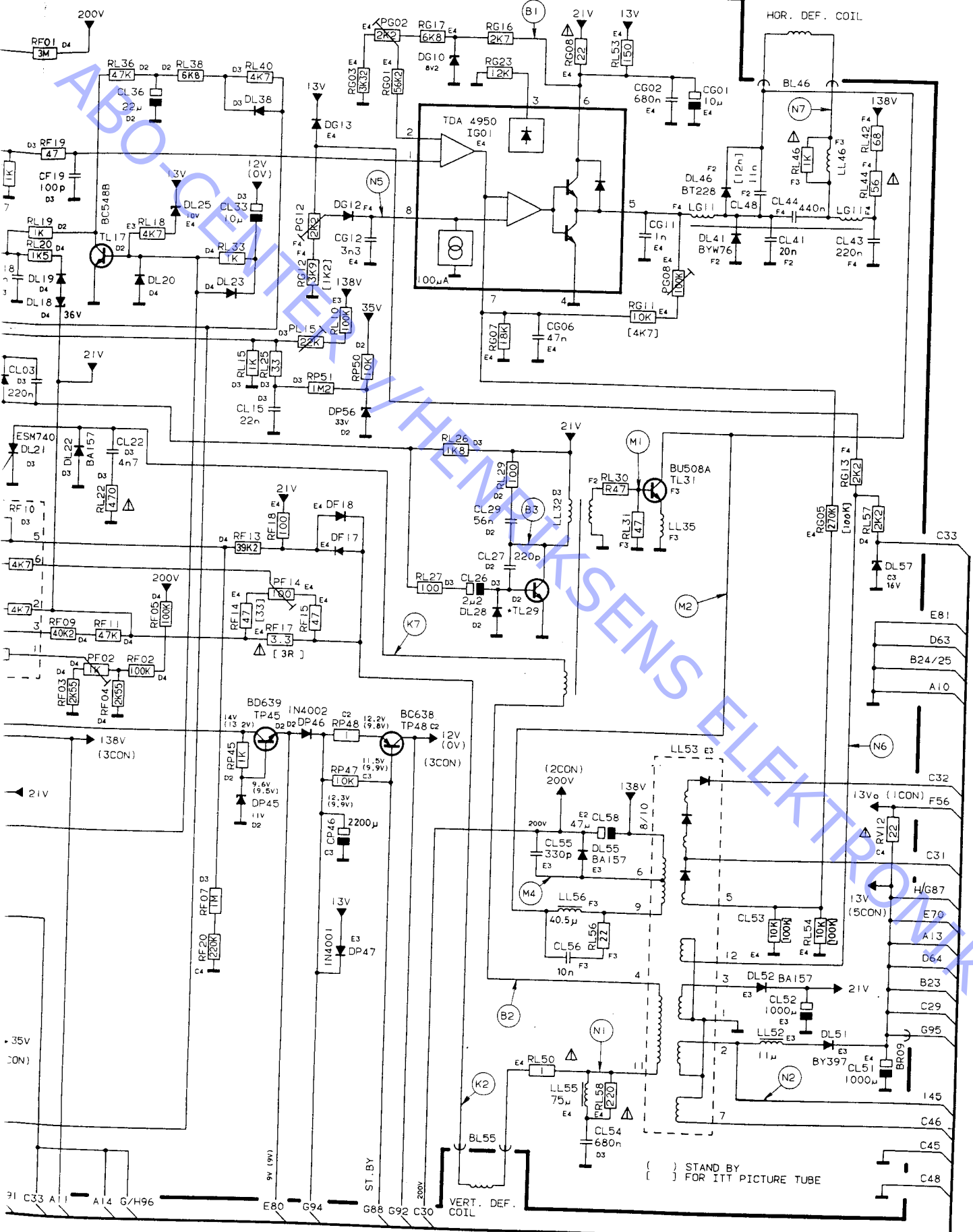


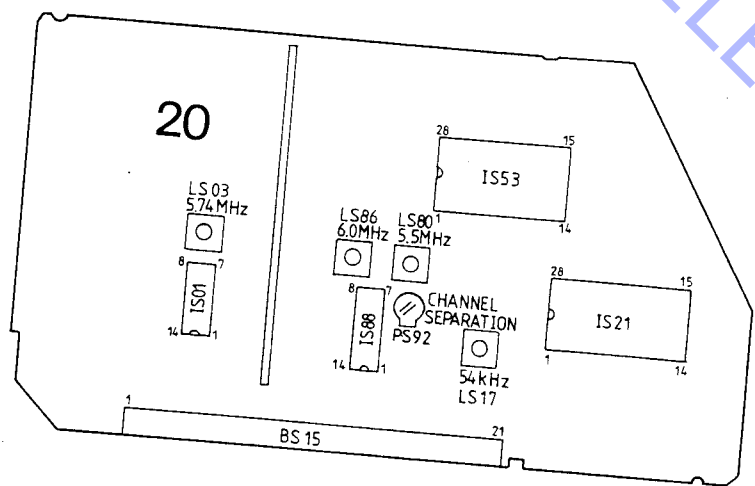
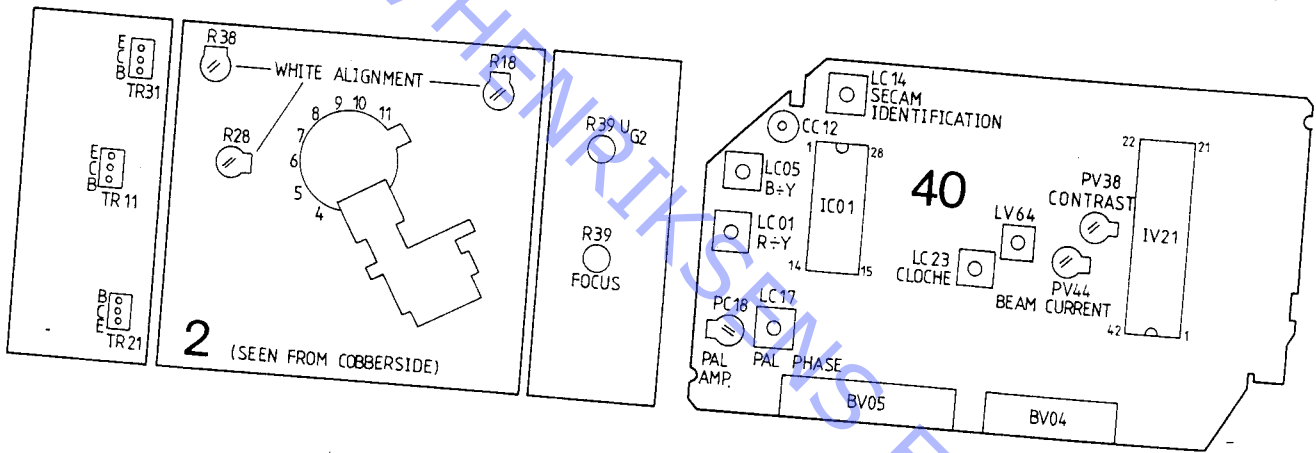
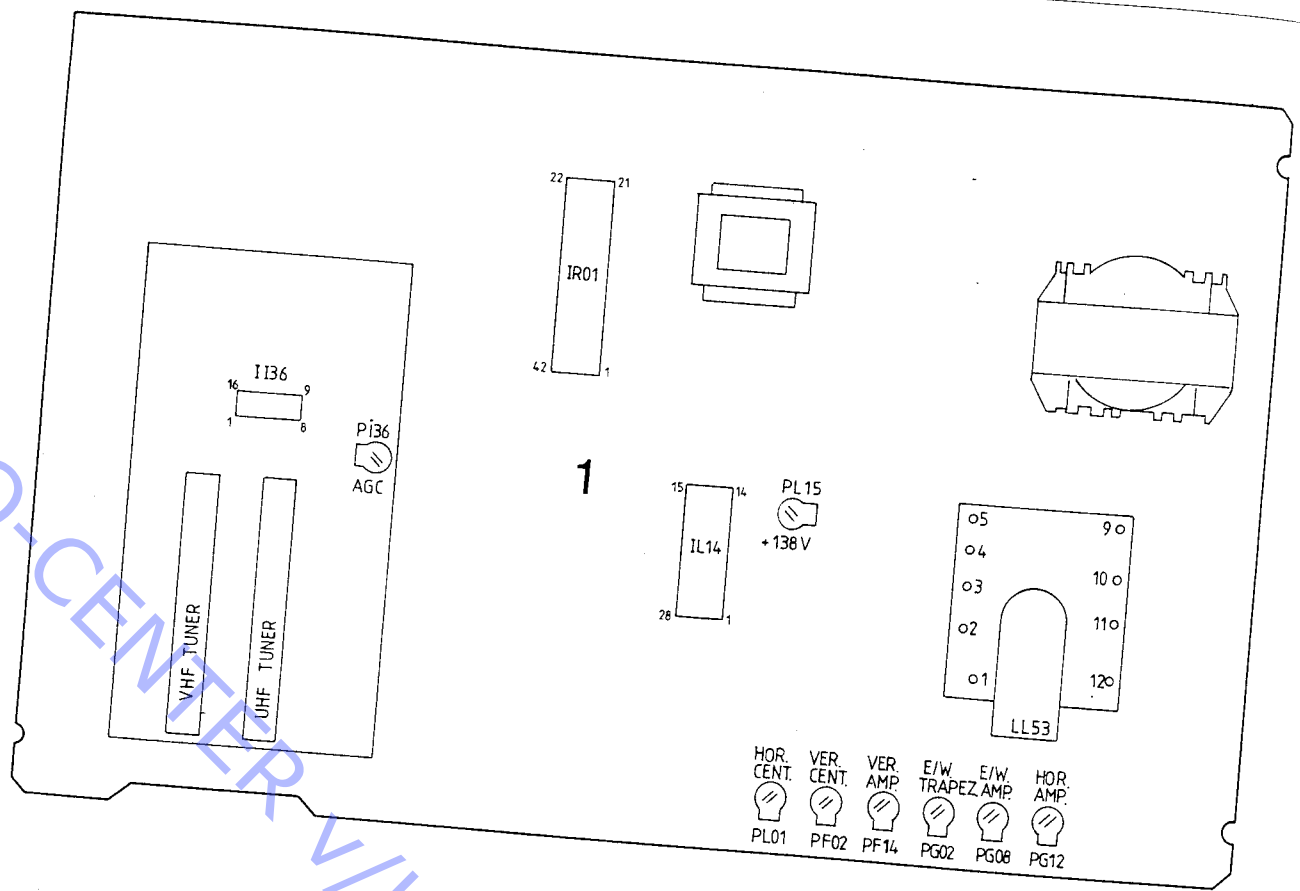
2-11

DIAGRAM F POWER SUPPLY, DEFLECTION



POWER SUPPLY AND DEFLECTION





ABO-CENTER VHF/VIDEO ELEKTRONIK

JUSTERINGSVEJLEDNING

Justeringerne udføres med følgende grundstilling, med mindre andet er nævnt:

»BRILLIANCE« niveau 20, »COLOUR« niveau 40 og »CONTRAST« niveau 24.

Netdel, 1PL15:

Et DC-voltmeter tilsluttes ben 10 på linieudgangs-transformatoren 1LL53.
Potentiometeret 1PL15 justeres til 138V.

Skærmgitter, 2R39 UG2:

»CONTRAST« og »BRILLIANCE« reguleres til minimum.
Med et DC-voltmeter måles spændingerne på kollektorerne af videoudgangstransistorerne 2TR11, 2TR21 og 2TR31.
Med 2R39 UG2 potentiometeret justeres den højeste af de målte værdier til 155V.

Fokus, 2R39:

Fokuspentiometeret 2R39 justeres, til der opnås maksimal skarphed på de lodrette linjer, der ligger ca. 10 cm. fra skærnkanten.

Spidshvid, 40PV38:

»BRILLIANCE« reguleres til niveau 09 og »CONTRAST« til niveau 31.
Modtageren tilføres et gittermønstersignal.
Et oscilloscop tilsluttes ben 6 på billedrørssoklen (10:1 probe).
Potentiometeret 40PV38 justeres til en amplitude på 90V_{ss} fra sort til hvidt.

Strålestrøm, 40PV44:

»BRILLIANCE« reguleres til niveau 31 og »CONTRAST« til niveau 10.
Modtageren tilføres et hvidt signal.
Et oscilloscop tilsluttes ben 6 på billedrørssoklen (10:1 probe).
Potentiometeret 40PV44 justeres til en amplitude på 50V_{ss} fra sort til hvidt.

Ividniveau, 2R18, 2R28, 2R38:

BRILLIANCE« reguleres til niveau 24 og CONTRAST« til niveau 13.
Iodtageren tilføres et gråskalasignal.
Potentiometeret 2R28 sættes i midterstilling, og med potentiometerne 2R18 og 2R38 justeres, til gråalaens felter er farveløse.
fremt der ikke opnås farveløse felter, ændres 28's indstilling, og proceduren gentages.

ADJUSTMENTS

All adjustments are carried out with the following preset levels, unless otherwise indicated:

»BRILLIANCE« level 20, »COLOUR« level 40, »CONTRAST« level 24.

Power-supply, 1PL15:

Connect a DC voltmeter to pin 10 of the EHT-transformer 1LL53.
Adjust the potentiometer 1PL15 to 138V.

Screen grid, 2R39 UG2:

Adjust »CONTRAST« and »BRILLIANCE« to minimum.
Using a DC voltmeter measure the voltages of the collectors of the video output transistors 2TR11, 2TR21 and 2TR31.
Using the potentiometer 2R39 UG2 set the highest of the measured levels to 155V.

Focus, 2R39:

Adjust the focus potentiometer 2R39 until maximum sharpness is achieved on the vertical lines approx. 10 cm from the edge of the screen.

Peak white, 40PV38:

Adjust »BRILLIANCE« to level 09 and »CONTRAST« to level 31.
Feed a grid pattern signal to the receiver.
Connect an oscilloscope to pin 6 of the picture tube socket (10:1 probe).
Adjust the potentiometer 40PV38 to an amplitude of 90V_{pp} from black to white.

Beam current, 40PV44:

Adjust »BRILLIANCE« to level 31 and »CONTRAST« to level 10.
Feed a white signal to the receiver.
Connect an oscilloscope to pin 6 of the picture tube socket (10:1 probe).
Adjust the potentiometer 40PV44 to an amplitude of 50V_{pp} from black to white.

White alignment, 2R18, 2R28, 2R38:

Adjust »BRILLIANCE« to level 24 and »CONTRAST« to level 13.
Feed a grey scale signal to the receiver.
Set the potentiometer 2R28 to its middle position, and using the potentiometers 2R18 and 2R38 adjust until the fields of the grey scale are colourless.
If colourless fields cannot be achieved, adjust the position of 2R28 and repeat the procedure.

F
F
c
H
P
b
V
P
ce
Ve
Po
hø
E/
Pot
linj
E/
Pot
linje
PAL
Und
lydn
PAL
Mod
På k
på 4
Ben
Trim
farve
Korts
PAL-
»COL
Modt.
R-Y/I
Spole
40PC
de far

Tunerjustering.

AGC take over, 1PI36:

Modtageren tilføres et antennesignal på 1,3mV og frekvensen 217MHz.

Et DC-voltmeter tilsluttes ben 5 på 1PI36.

Potentiometeret 1PI36 drejes helt med uret.

Potentiometeret 1PI36 justeres, til spændingen er faldet 0,3V.

Afbøjningsjusteringer.

Horisontal centrering, 1PL01:

Potentiometeret 1PL01 justeres til optimal billedcentrering.

Horisontal amplitude, 1PG12:

Potentiometeret 1PG12 justeres til optimal billedbredde.

Vertikal centrering, 1PF02:

Potentiometeret 1PF02 justeres til optimal billedcentrering.

Vertikal amplitude, 1PF14:

Potentiometeret 1PF14 justeres til optimal billedhøjde.

E/W amplitude, 1PG08:

Potentiometeret 1PG08 justeres til lige lodrette linjer i højre og venstre side af billedet.

E/W trapez, 1PG02:

Potentiometeret 1PG02 justeres til lige lodrette linjer i højre og venstre side af billedet.

PAL justeringer.

Under disse justeringer er det en fordel at fjerne lydmodulet PCB20.

PAL-reference 8,86MHz, 40CC12:

Modtageren tilføres et PAL farvebar-signal.

På loddessiden af PCB40 forbindes ben 13 og ben 28 på 40IC01 med en 1 kohms modstand.

Ben 17 og ben 9 på 40IC01 kortsluttes.

Trimmekondensatoren 40CC12 justeres til minimal farverul.

Kortslutningen og modstanden fjernes.

PAL-fase, 40LC17, PAL-amplitude, 40PC18:

»COLOUR« justeres til niveau 60.

Modtageren tilføres et test-signal med farveløse R-Y/B-Y-felter.

Spolen 40LC17 (PAL-fase) og potentiometeret 40PC18 (PAL-amplitude) justeres til minimal farve i de farveløse R-Y/B-Y-felter af testbilledet.

Tuner adjustment.

AGC take-over, 1PI36:

Feed an aerial signal of 1.3mV and the frequency 217MHz to the receiver.

Connect a DC voltmeter to pin 5 of 1PI36.

Turn the potentiometer 1PI36 clockwise as much as possible.

Adjust the potentiometer until the voltage has dropped by 0.3V.

Deflection adjustments.

Horizontal centering, 1PL01:

Using the potentiometer 1PL01, adjust until the picture is correctly centered.

Horizontal amplitude, 1PG12:

Using the potentiometer 1PG12, adjust until the correct picture width is achieved.

Vertical centering, 1PF02:

Using the potentiometer 1PF02, adjust until the picture is correctly centered.

Vertical amplitude, 1PF14:

Using the potentiometer 1PF14, adjust until the correct picture height is achieved.

E/W amplitude, 1PG08:

Using the potentiometer 1PG08, adjust until straight vertical lines are achieved in the righthand and lefthand sides of the picture.

E/W trapeze, 1PG02:

Using the potentiometer 1PG02, adjust until straight vertical lines are achieved in the righthand and lefthand sides of the picture.

PAL adjustments

It is advisable to remove the sound module PCB20 before carrying out these adjustments.

PAL reference 8.86MHz, 40CC12:

Feed a PAL colourbar signal to the receiver.

On the copperfoil side of PCB40 connect pins 13 and 28 of 40IC01 with a resistor of 1 kohm.

Short-circuit pins 17 and 9 of 40IC01.

Adjust the trimming capacitor to minimum colour scroll.

Remove the short-circuit and the resistor.

PAL phase, 40LC17, PAL amplitude, 40PC18:

Adjust "COLOUR" to level 60.

Feed a test signal with colourless R-Y/B-Y fields to the receiver.

Adjust the coil 40LC17 (PAL phase) and the potentiometer 40PC18 (PAL amplitude) to minimum colour in the colourless R-Y/B-Y fields of the test picture.

2

GRAM OF TTU1 -
= TUNER

GRAM OF TTU2 -
FTUNER

RING DIAGRAM

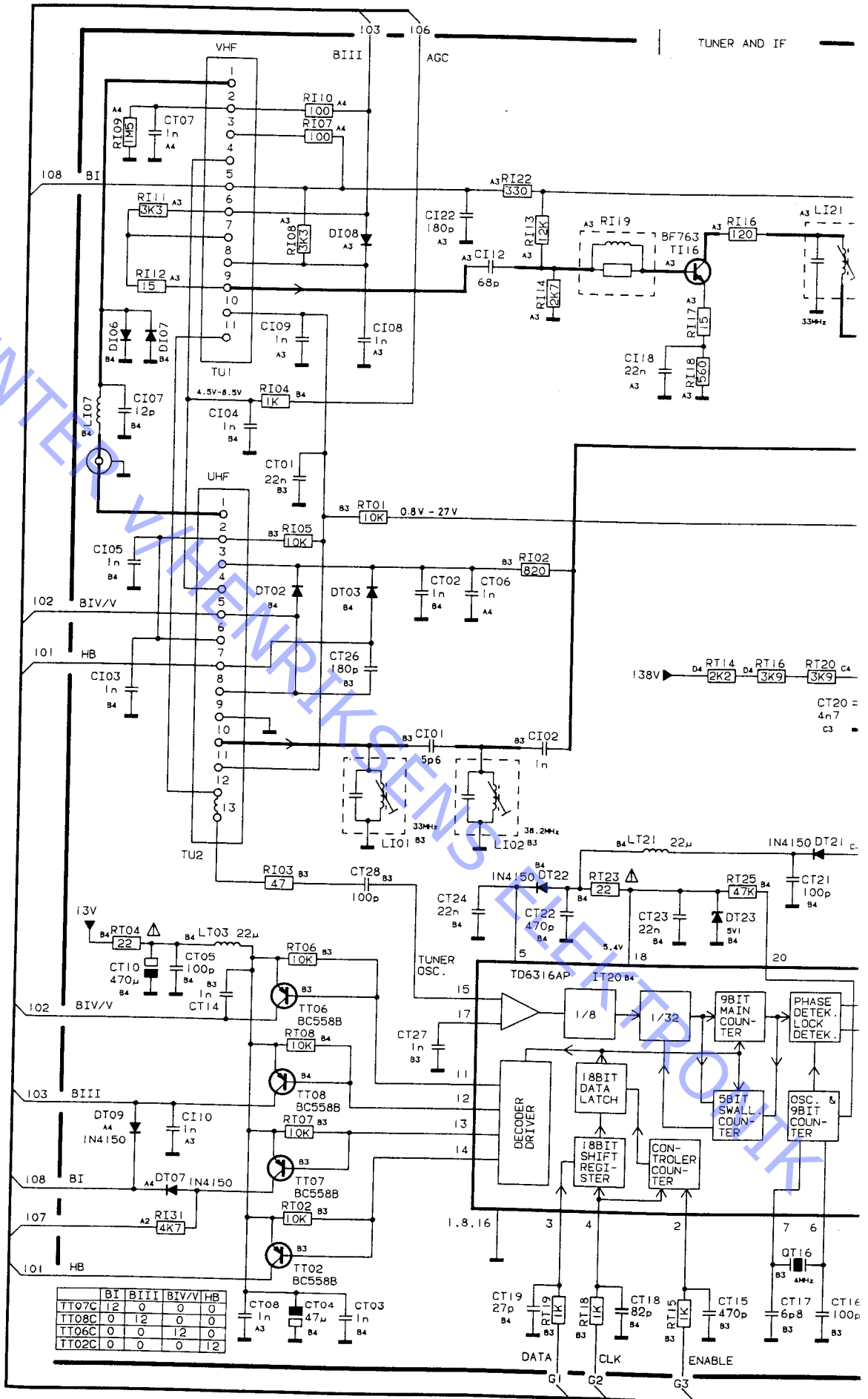
2-2

Bangi

PCB2, VIDEO

A4

DIAGRAM A TUNER AND IF SYSTEM



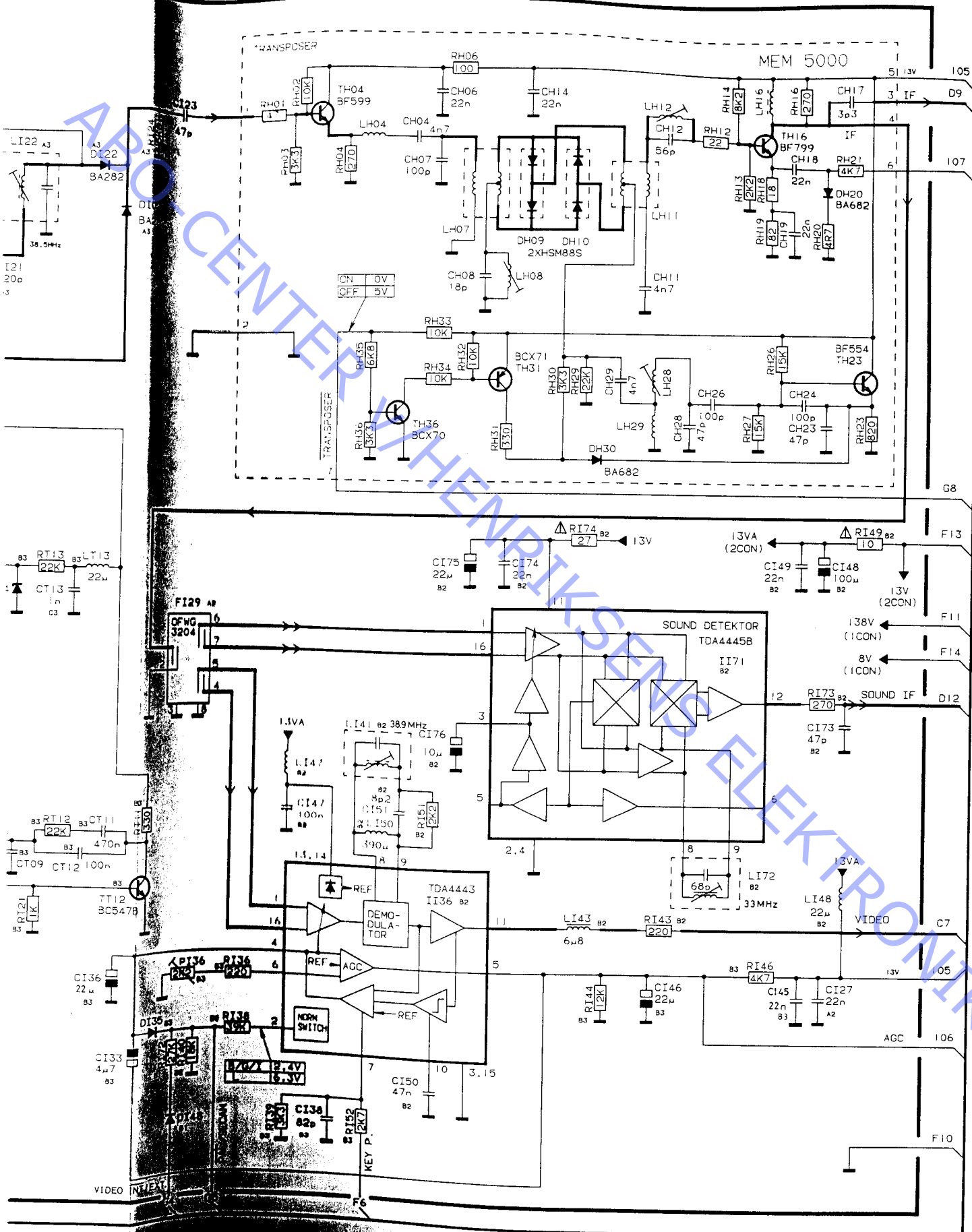
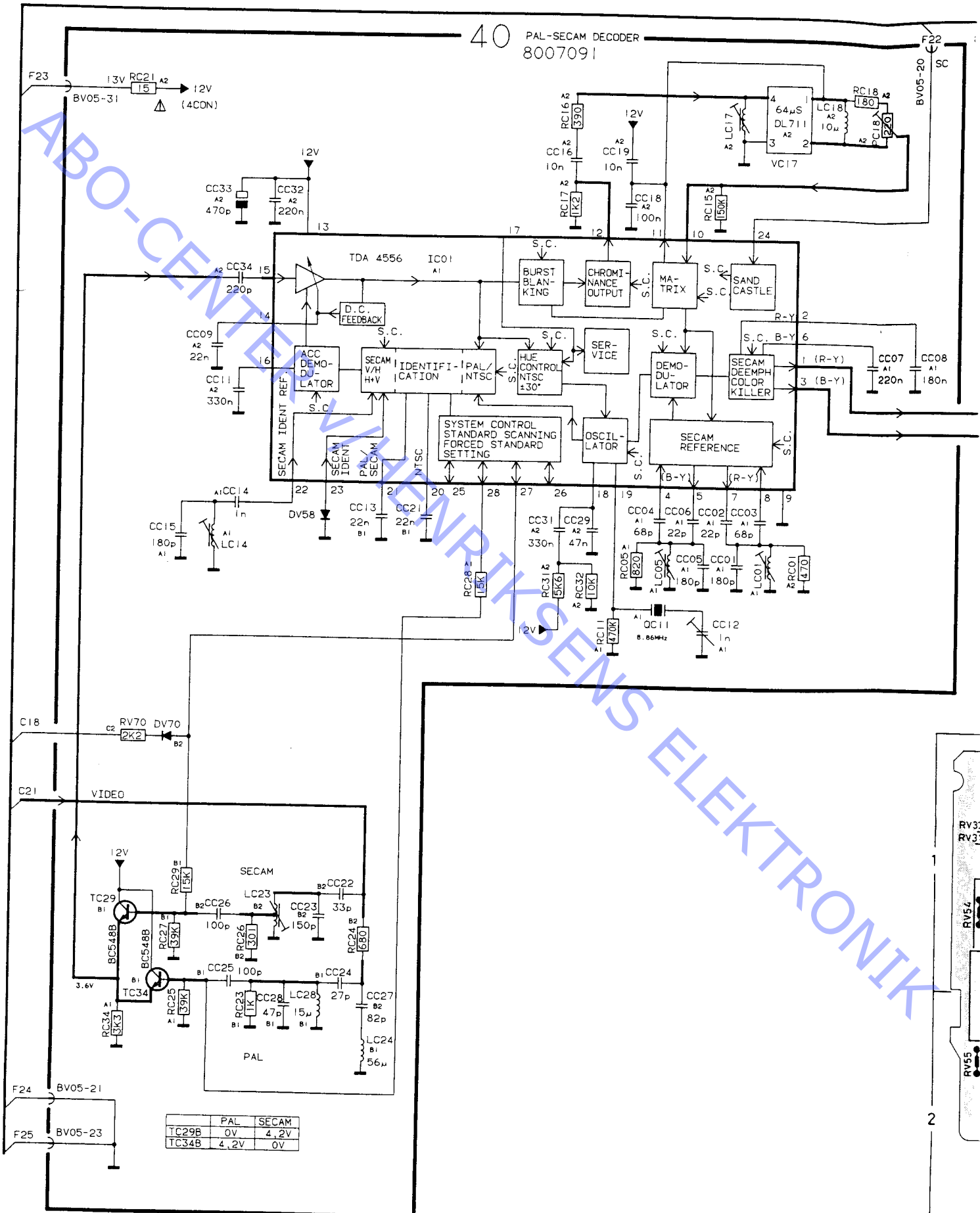


DIAGRAM B IF SYSTEM B/G/I/L



ABO-CENTER V/HENRIKSENS ELEKTROTEKNIK

PCB40, PAL/SECAM DECODER

