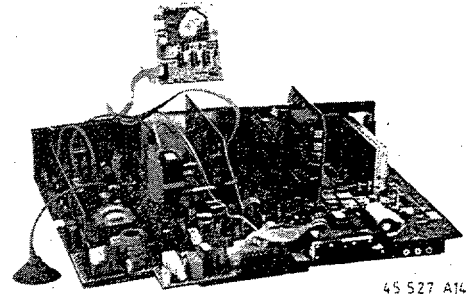


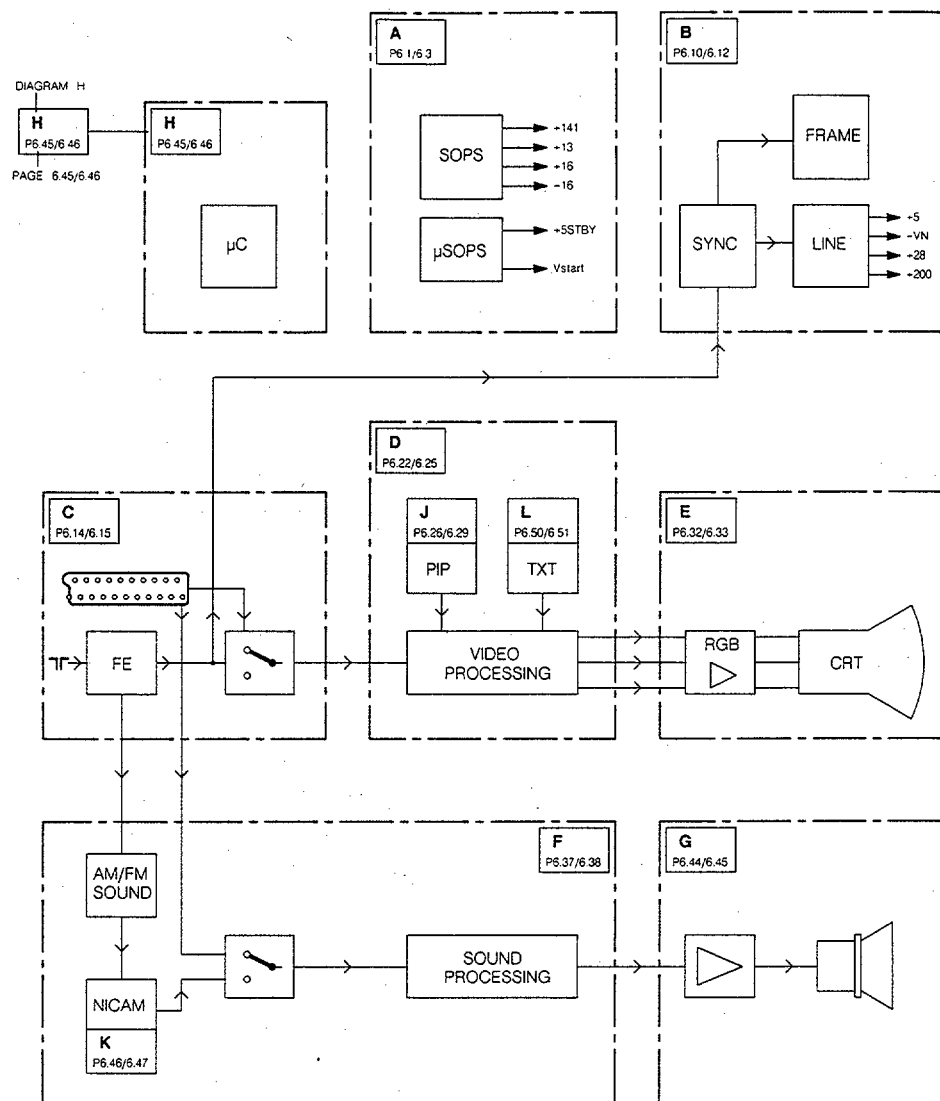
Service
Service
Service



45 527 A14

Service Manual

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PRS 06755
T-26/039

TECHNICAL DATA

Mains voltage	: 220 - 240 V (±10%); 50-60Hz (±5%)
Aerial input impedance	: 75 Ω - coax
Minimum aerial voltage	: 30μV (VHF/S)/40μV (UHF)
Maximum aerial voltage VHF/S/UHF	: 180mV
Pull-in range colour synchronization	: +300Hz/-300Hz
Pull-in range horizontal synchronization	: +200Hz/-300Hz
Pull-in range vertical synchronization	: +5Hz

Local operation functions:

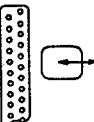
- ①
- P +/-
- ▲ +/-
- PP store
- a red
- b green
- c yellow
- d blue
- e white
- installation
- OSD-language selection

VCR programmes: PR0, 00, 50-59

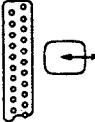
Indications:

- On Screen Display (OSD)
- LED: - ①
- ②
- ③
- ④
- ⑤
- ⑥
- ⑦
- ⑧
- ⑨
- ⑩
- ⑪
- ⑫

EXT1 (AUX)

- 
- 1 - Audio $\rightarrow$ R (0.5V RMS $\leq$ 1k Ω)
 - 2 - Audio $\rightarrow$ R (0.5V RMS $\geq$ 10k Ω)
 - 3 - Audio $\rightarrow$ L (0.5V RMS $\leq$ 1k Ω)
 - 4 - Audio $\perp$
 - 5 - Blue $\perp$
 - 6 - Audio $\rightarrow$ L (0.5V RMS $\geq$ 10k Ω)
 - 7 - Blue (0-2V DC/0,7V-PEAK : 75 Ω)
 - 8 - RC5 data 500-800mV_{pp} + Status
CVBS 0-2V (L) 10-12V (H)
 - 9 - Green $\perp$
 - 10 - -
 - 11 - Green (0-2V DC/0,7V-PEAK : 75 Ω)
 - 12 - -
 - 13 - Red $\perp$
 - 14 - -
 - 15 - Red (0-2V DC/0,7V-PEAK : 75 Ω)
 - 16 - RGB blanking 0-0.4V/75 Ω (L) 1-3V/75 Ω (H)
 - 17 - CVBS $\rightarrow$ $\perp$
 - 18 - CVBS $\rightarrow$ $\perp$
 - 19 - CVBS $\rightarrow$ (1V_{pp}/75 Ω)
 - 20 - CVBS $\rightarrow$ (1V_{pp}/75 Ω)
 - 21 - Earth screen

EXT2 (VCR)

- 
- 1 - Audio $\rightarrow$ R (0.5V RMS $\leq$ 1k Ω)
 - 2 - Audio $\rightarrow$ R (0.5V RMS $\geq$ 10k Ω)
 - 3 - Audio $\rightarrow$ L (0.5V RMS $\leq$ 1k Ω)
 - 4 - Audio $\perp$
 - 5 - -
 - 6 - Audio $\rightarrow$ L (0.5V RMS $\geq$ 10k Ω)
 - 7 - -
 - 8 - RC5 data 500-800mV_{pp}
 - 9 - -
 - 10 - -
 - 11 - -
 - 12 - -
 - 13 - -
 - 14 - -
 - 15 - -
 - 16 - -
 - 17 - CVBS $\rightarrow$ $\perp$
 - 18 - CVBS $\rightarrow$ $\perp$
 - 19 - CVBS $\rightarrow$ (1V/75 Ω)
 - 20 - CVBS $\rightarrow$ (1V/75 Ω)
 - 21 - Earth screen

EXT2'

-  CINCH Audio $\rightarrow$ L 0,2-2V RMS $\geq$ 10k Ω
-  CINCH Audio $\rightarrow$ R 0,2-2V RMS $\geq$ 10k Ω

SVHS



- 1 - $\perp$
- 2 - $\perp$
- 3 - Y $\rightarrow$ 1V_{pp}/75 Ω
- 4 - C $\rightarrow$ 1V_{pp}/75 Ω

-  CINCH Audio $\rightarrow$ L 500mV $\leq$ 1k Ω
-  CINCH Audio $\rightarrow$ R 500mV $\leq$ 1k Ω



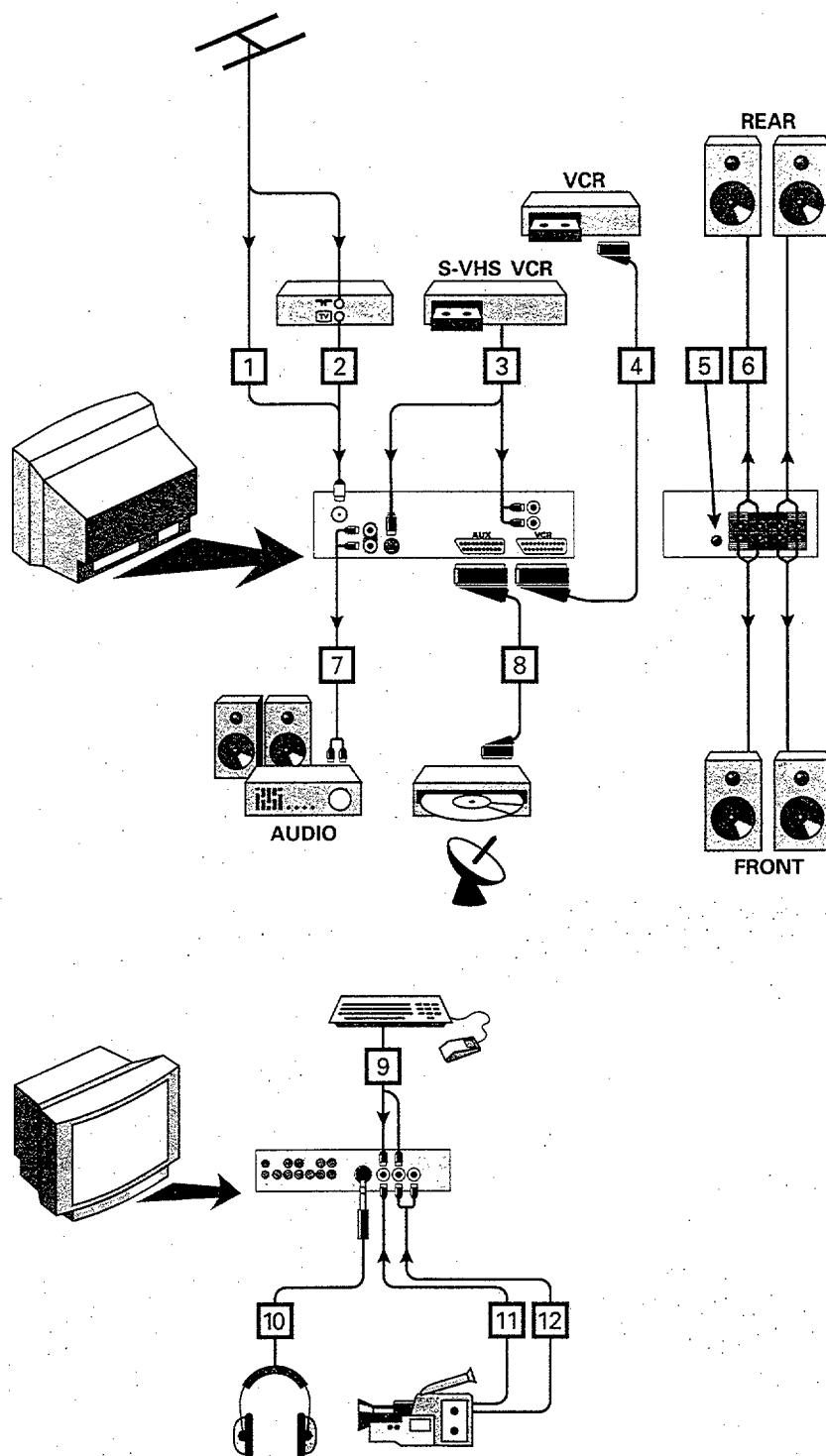
front : 2x12W/8 Ω
back: 2x3W/8 Ω

EXT3

Front

-  CINCH CVBS $\rightarrow$ 300mV_{pp}/75 Ω
-  CINCH Audio $\rightarrow$ L 0,2-2V RMS $\geq$ 10k Ω
-  CINCH Audio $\rightarrow$ R 0,2-2V RMS $\geq$ 10k Ω
-  32 - 2000 Ω $\geq$ 10mW

External connections



WARNINGS

1. Safety regulations require that the unit should be returned in its original condition and that components identical to the original components are used. The safety components are indicated by the symbol .
2. In order to prevent damage to ICs and transistors, all high-voltage flashovers must be avoided. In order to prevent damage to the picture tube, the method shown in Fig.1 should be used to discharge the picture tube. Use a high-voltage probe and a multimeter (position DC-V). Discharge until the meter reading is 0V (after approx. 30s).

3. ESD



All ICs and many other semiconductors are sensitive to electrostatic discharges (ESD). Careless handling during repair can drastically shorten the life. Make sure that during repair you are connected by a pulse band with resistance to the same potential as the earth of the unit. Keep components and tools also at this same potential.

4. When repairing a unit, always connect it to the mains voltage via an isolating transformer.
5. Be careful when taking measurements in the high-voltage section and on the picture tube.
6. Never replace modules or other components while the unit is switched on.
7. It is recommended that safety goggles are worn when replacing the picture tube.
8. When making settings, use plastic rather than metal tools.
This will prevent any short circuits and the danger of a circuit becoming unstable.
9. The heat sinks are not connected to earth and should therefore not be connected to earth. In order to prevent measuring errors, the heat sinks should also not be used as a reference point for measurements (e.g. the heat sink for the sound output amplifiers is connected to the +16 volt supply).
10. On this unit the 140 volt supply voltage is not supplied via an interconnection on the deflection yoke to the line output transformer. When the deflection cable is detached, the +140 volt supply remains loaded. In order to unload the +140 volts, coil 5511 should be removed.

NOTES

1. The direct voltages and oscillograms should be measured with regard to the tuner earth ($\perp$), or hot earth ($\perp$ ) as this is called.
2. The direct voltages and oscillograms shown in the diagrams should be measured in the **Service Default Mode** with a colour bar signal and stereo sound (L: 3 kHz, R: 1 kHz unless stated otherwise) and picture carrier at 475.25 MHz.

Service Default Mode:

The service default mode is a fixed defined condition in which the unit can be set.

The definitions are as follows:

- all controllers in the centre position (except volume, which is set low)
- set to 475.25 MHz
 - PAL I for UK
 - SECAM L for multi French
 - PAL/SECAM BG for multi Europe

After the unit has been switched on, briefly connect pins S24 and S25 (on the small signal panel) shortly before switching on the service default mode. If the unit cannot be set to the service default mode, the child lock may have been activated (this should not be activated).

Note: If, after switching on, the unit goes directly to standby and you cannot exit from this mode with P +/- on the local keyboard, the child lock has probably been activated.

To deactivate the child lock, the following operating commands should be given with the remote control (see also § 9):

"Program +" "menu" "blue" "red" "menu-" "menu off"

You can only exit from the service default mode by switching the unit to standby with the remote control. In the service default mode "SERVICE" appears on the screen with five numbers of 2 digits, which show the last five error messages found.

SERVICE 00 00 05 06 05

During the service default mode the unit will accept all commands from the remote control or the local keyboard.

The unit remains in the service default mode when the unit is switched off and on by the mains switch.

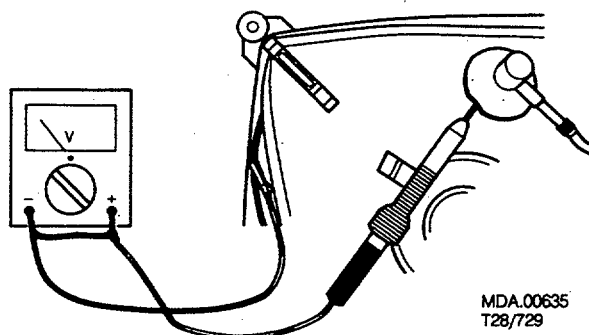


fig. 3.1

Mechanical instructions

- Where necessary, the oscillograms and direct voltages are measured with (⏏) and without aerial signal (⏏). Voltages in the power supply section are measured both for normal operation (⏏) and in standby (⏏). These values are indicated by means of the appropriate symbols.
- The picture tube PCB has printed spark gaps. Each spark gap is connected between an electrode of the picture tube and the Aquadag coating.
- The semiconductors indicated in the circuit diagram and in the parts lists are completely interchangeable per position with the semiconductors in the unit, irrespective of the type indication on these semiconductors.

- The connectors used for the modules (board to board) are gold-plated and should only be replaced by the same type.
- In the case of error searching and/or repair to the PIP module, the accessibility of the circuit and the components can be increased by using extension cards.
5 times: 4822 395 30261
10 times: 4822 395 30257

MECHANICAL INSTRUCTIONS

- Removing the back plate (Fig. 3.2)**
Remove cover A from the back plate.
Remove connector B (LI36) of the subwoofer.
Remove attachment screws C from the back plate.
Remove the back plate with the subwoofer fitted in it.
Attach the back plate by carrying out the above in the reverse order.
- Service position to measure test points (Fig. 3.3)**
Unlock the chassis panels by pressing locks D.
Pull both chassis panels backwards at the same time until all measuring points are accessible.
- Service position for repair (Fig. 3.4)**
Remove the LED display E (see Fig. 3.3) of the large signal panel.
Tilt the back of the two panels and attach both panels using brackets F situated on the underside of the small signal panel, at an angle of 90° to one another.

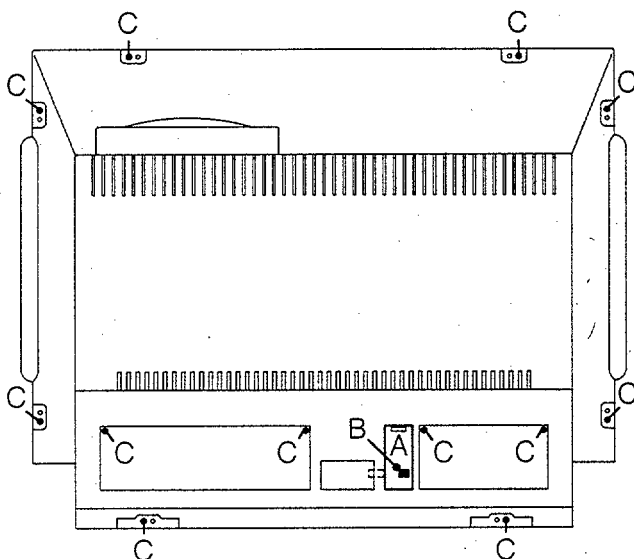


fig. 3.2

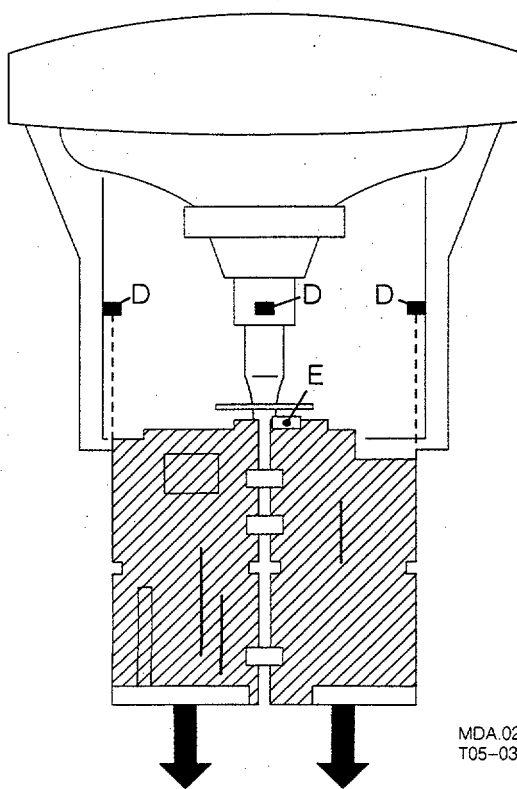
MDA.02803
T05-035

fig. 3.3

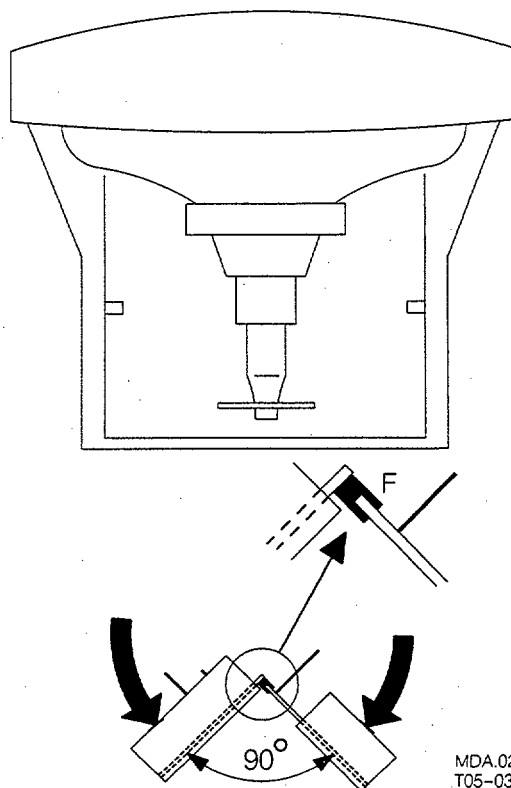
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T05-035

fig. 3.4

MDA.02802
T05-035

Blockdiagram

Blockschaltbild

CHASSIS FL1.0

5.1

5.2

BLOCKDIAGRAM FL1.0

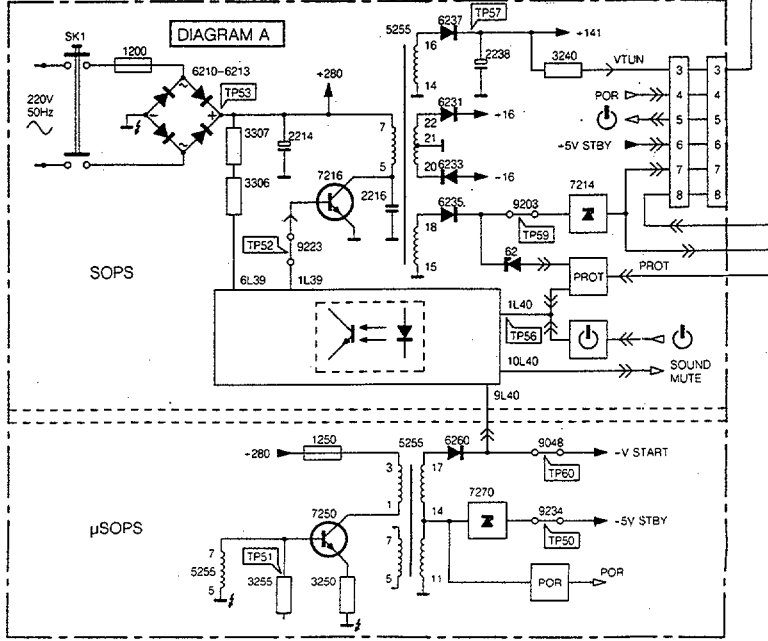
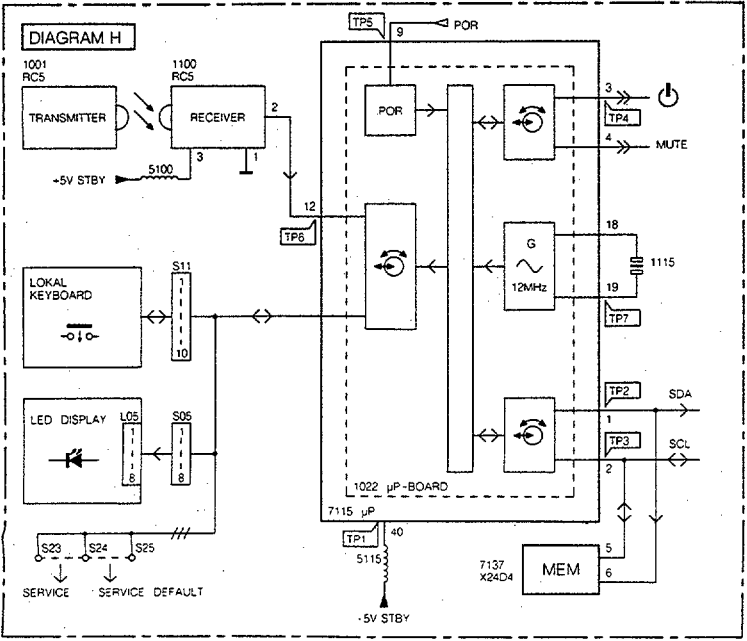
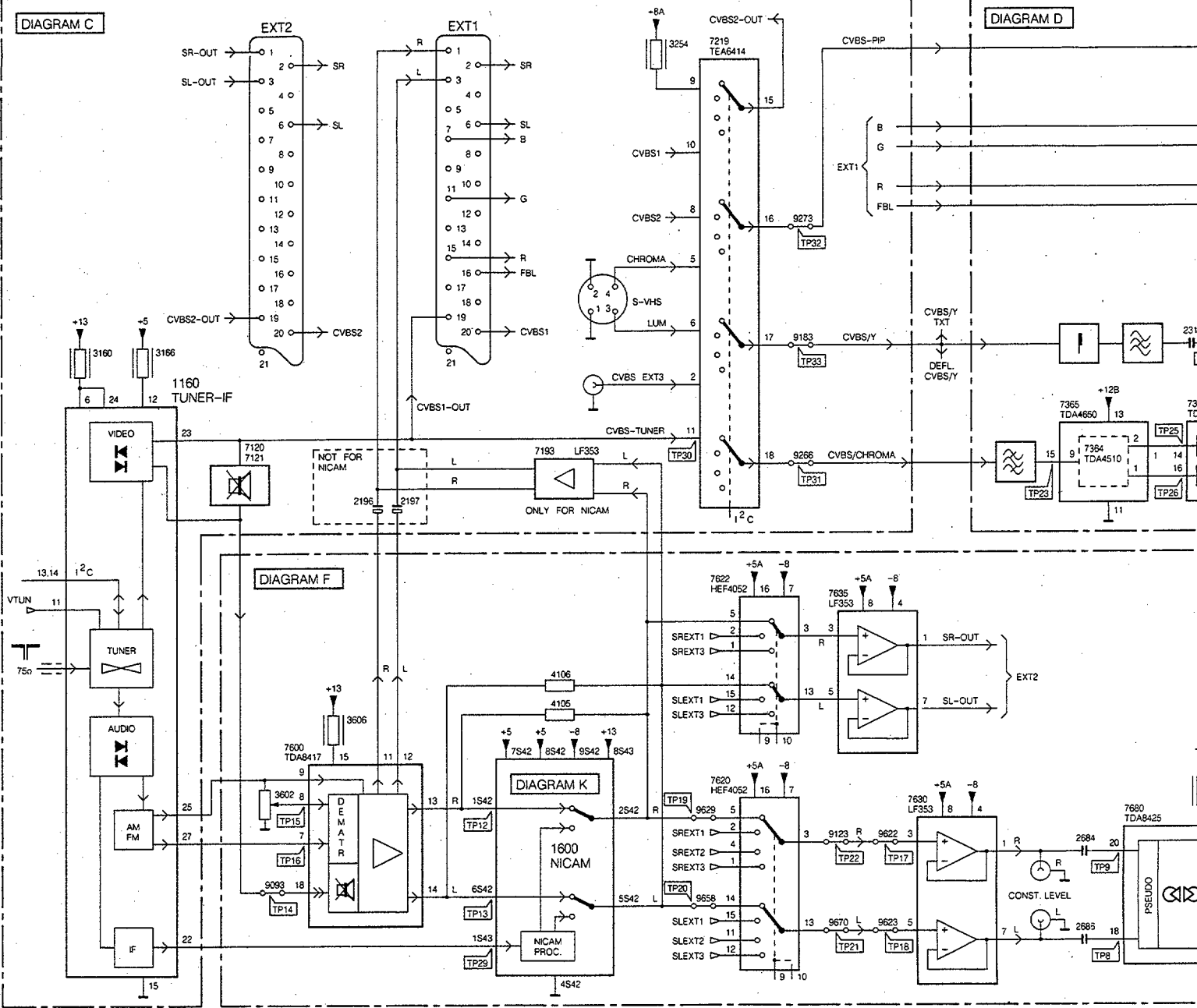
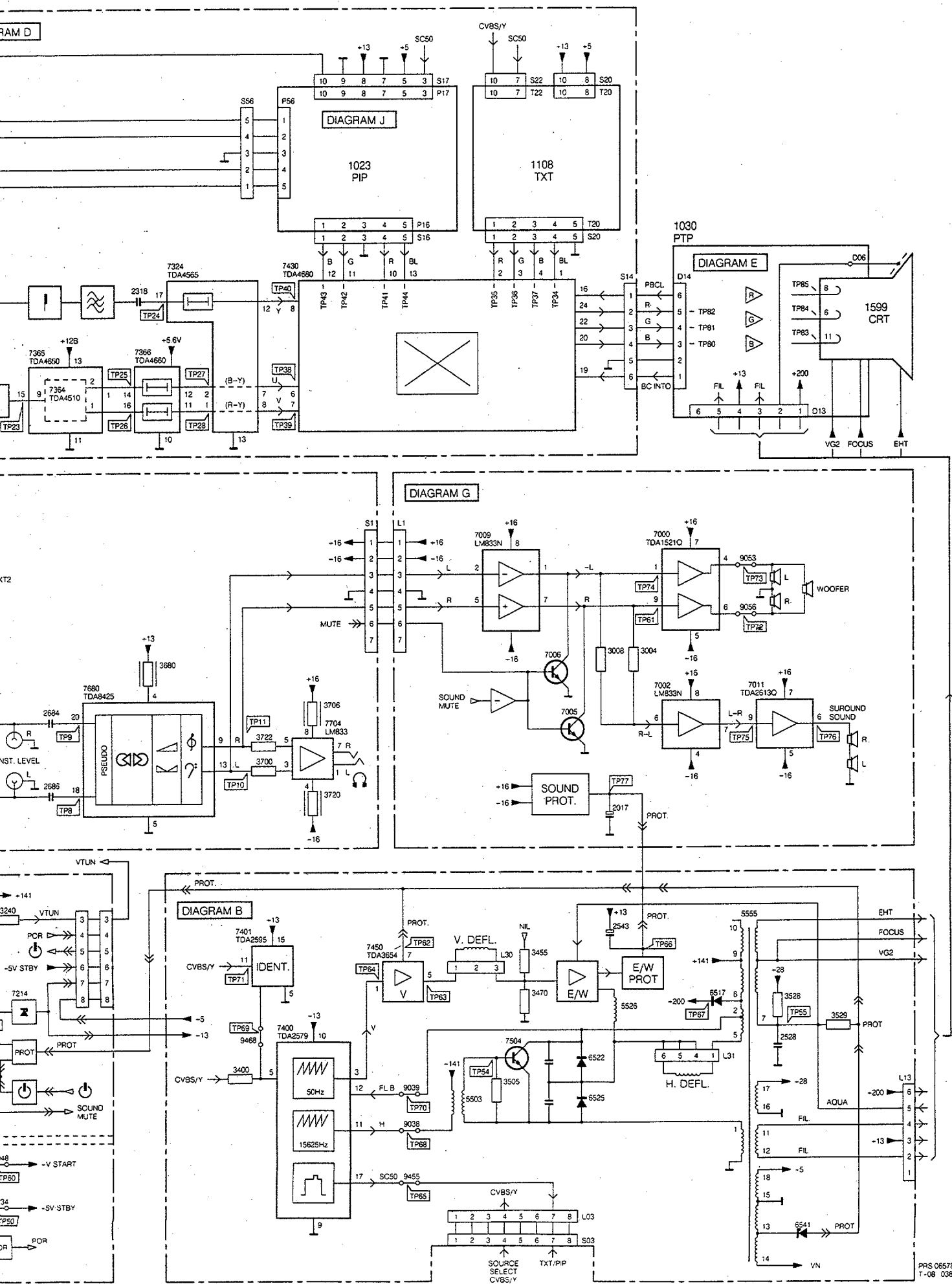


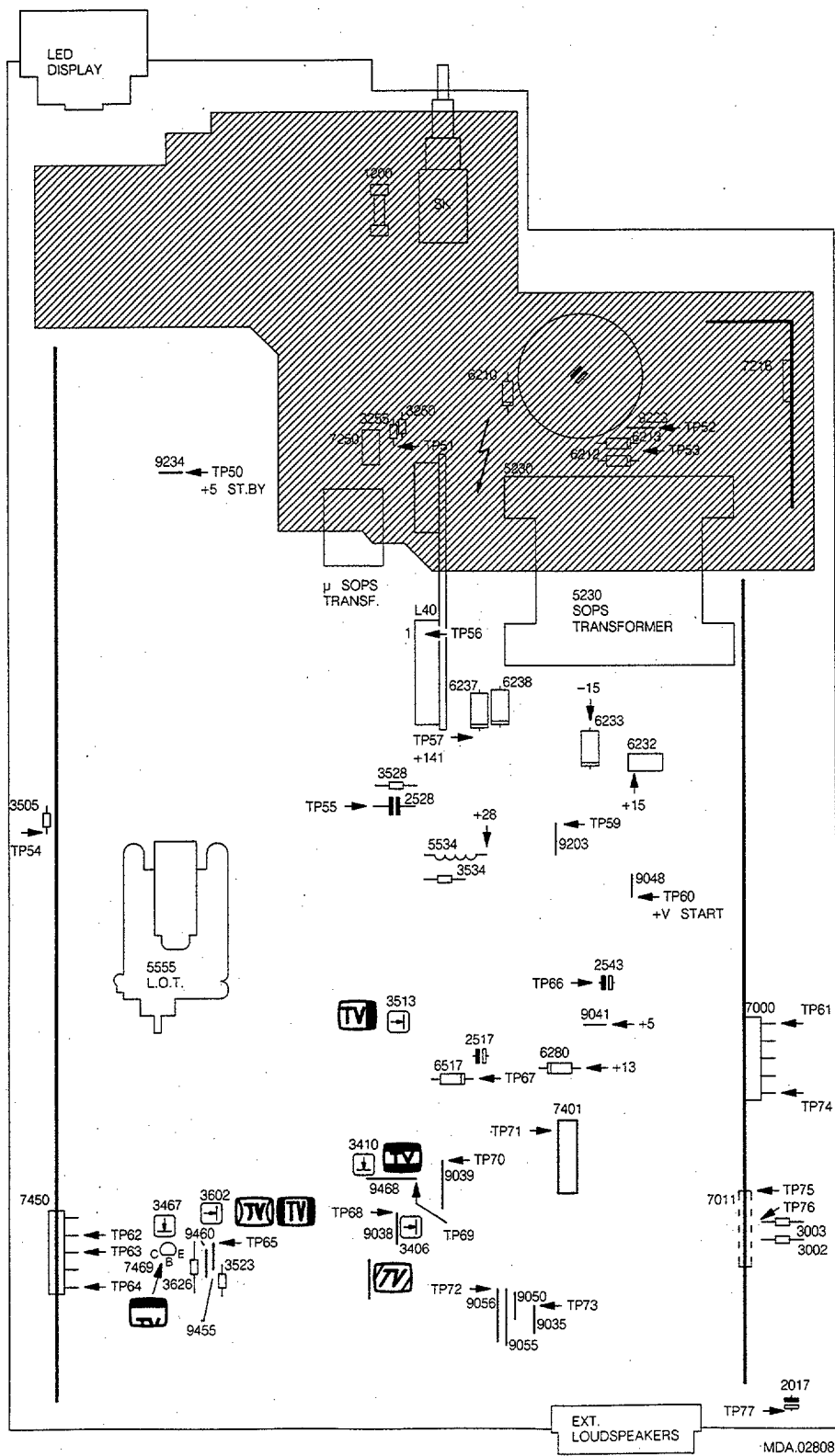
Diagramme schématique



Large signal panel

Großsignal Platine

Carte à grande signaux



MDA.02808
T19/038

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

0V -

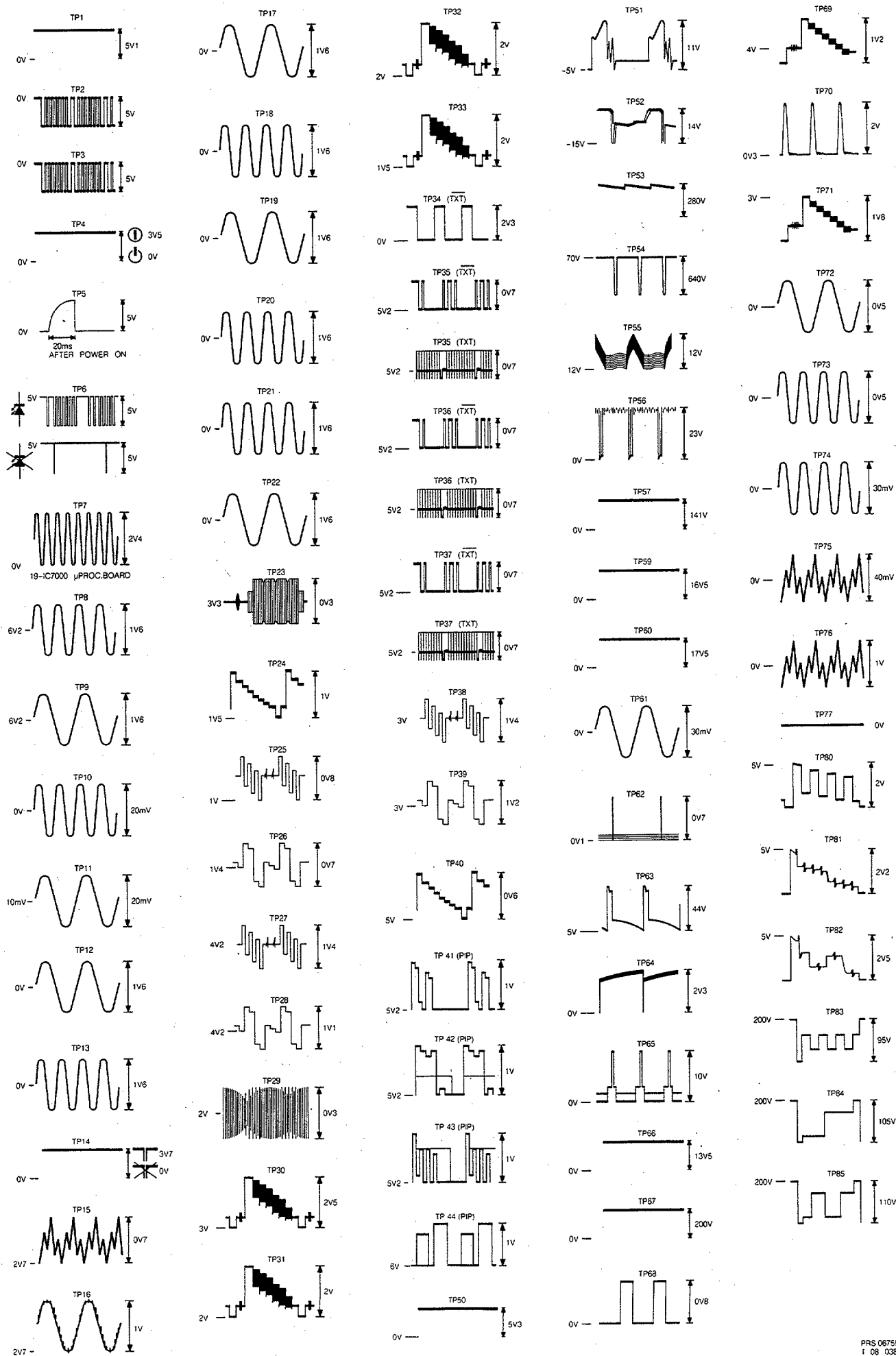
0V -

0V -

Oscillograms

CHASSIS FL1.0

5.5

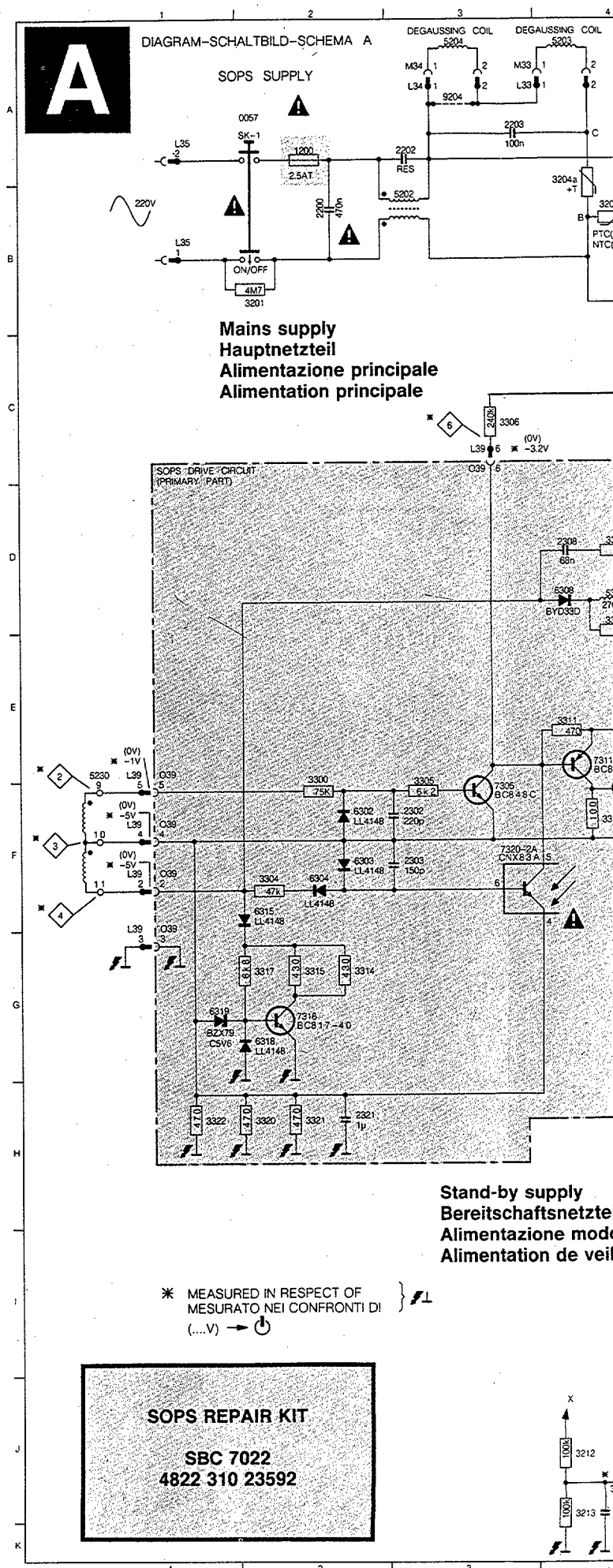


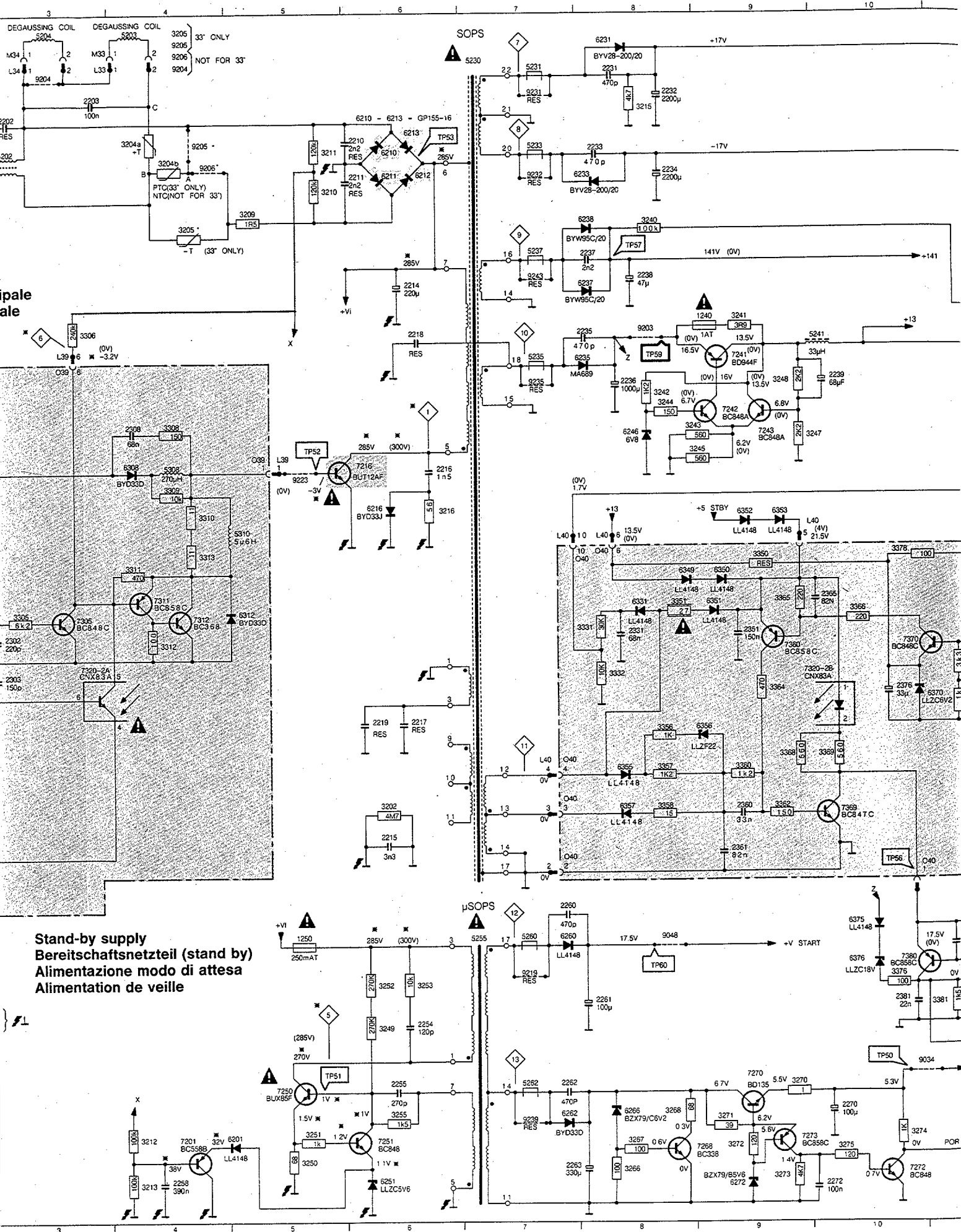
PRS 06759
1 08 038

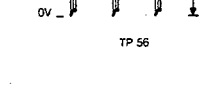
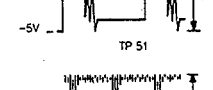
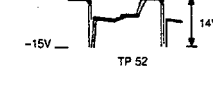
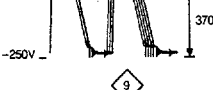
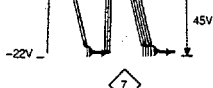
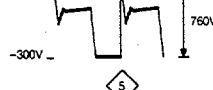
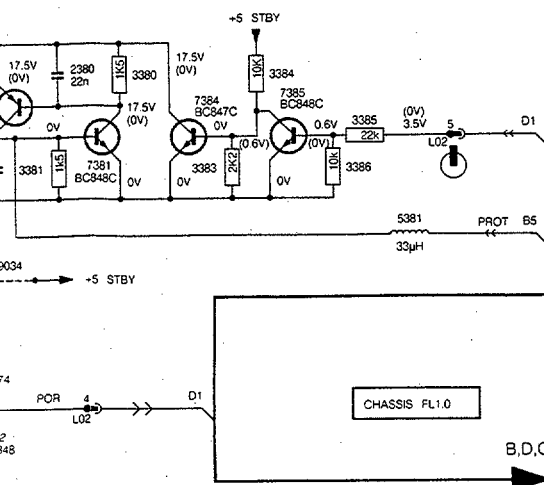
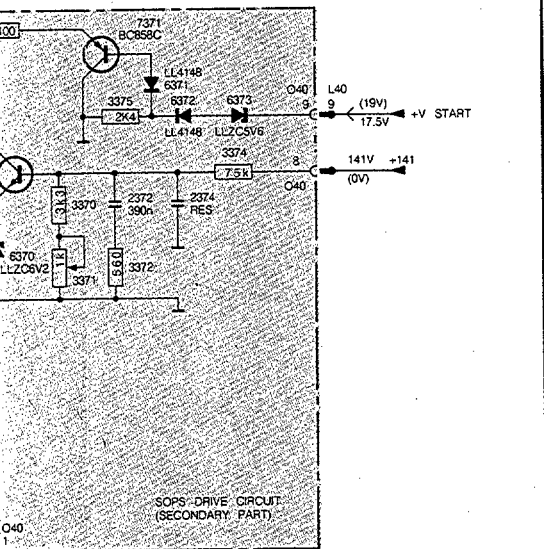
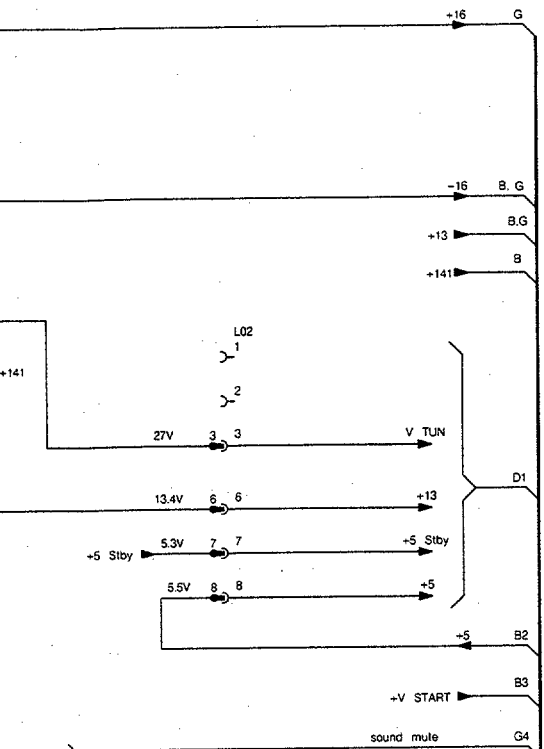
Power supply

Stromversorgung

L'alimentation

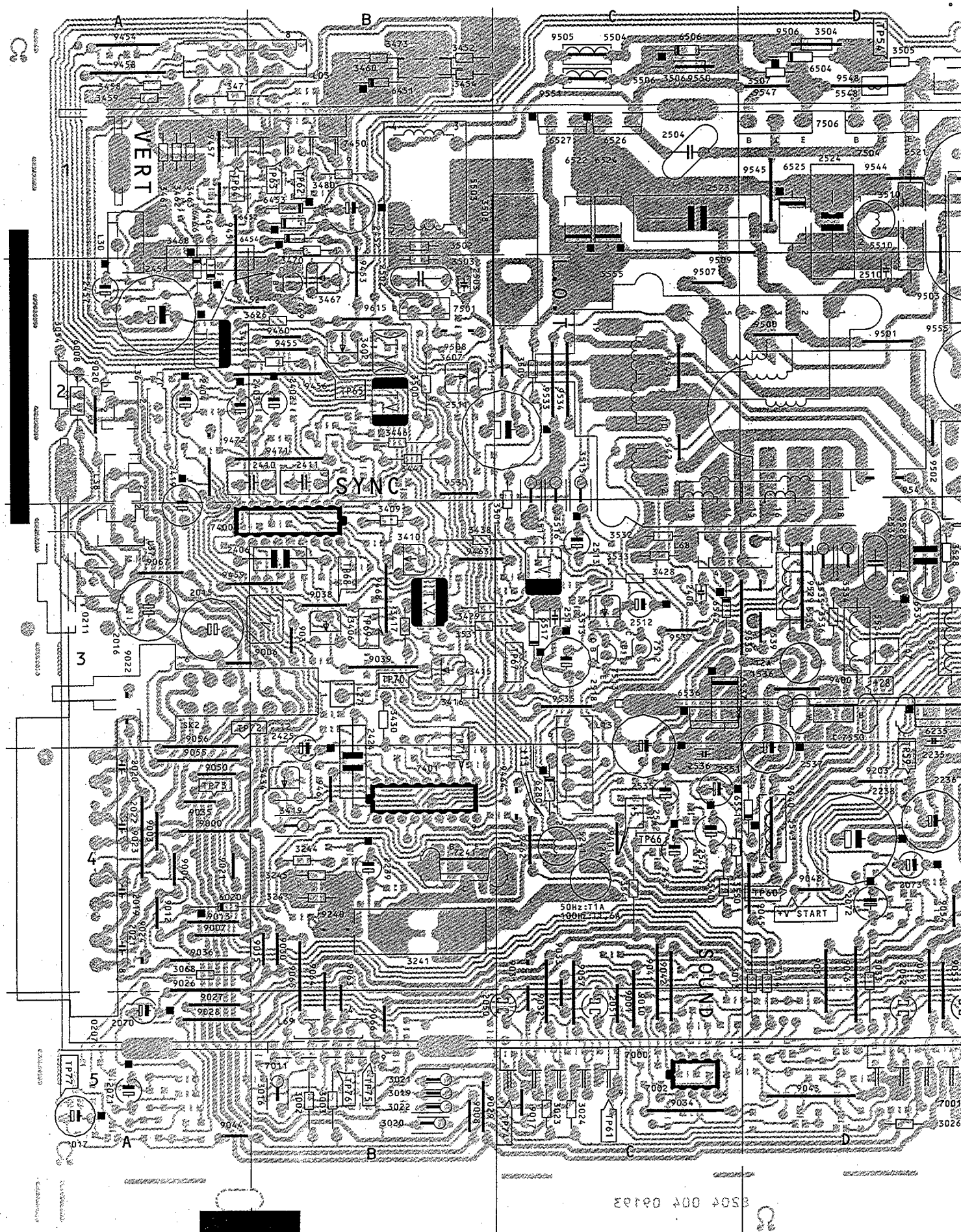






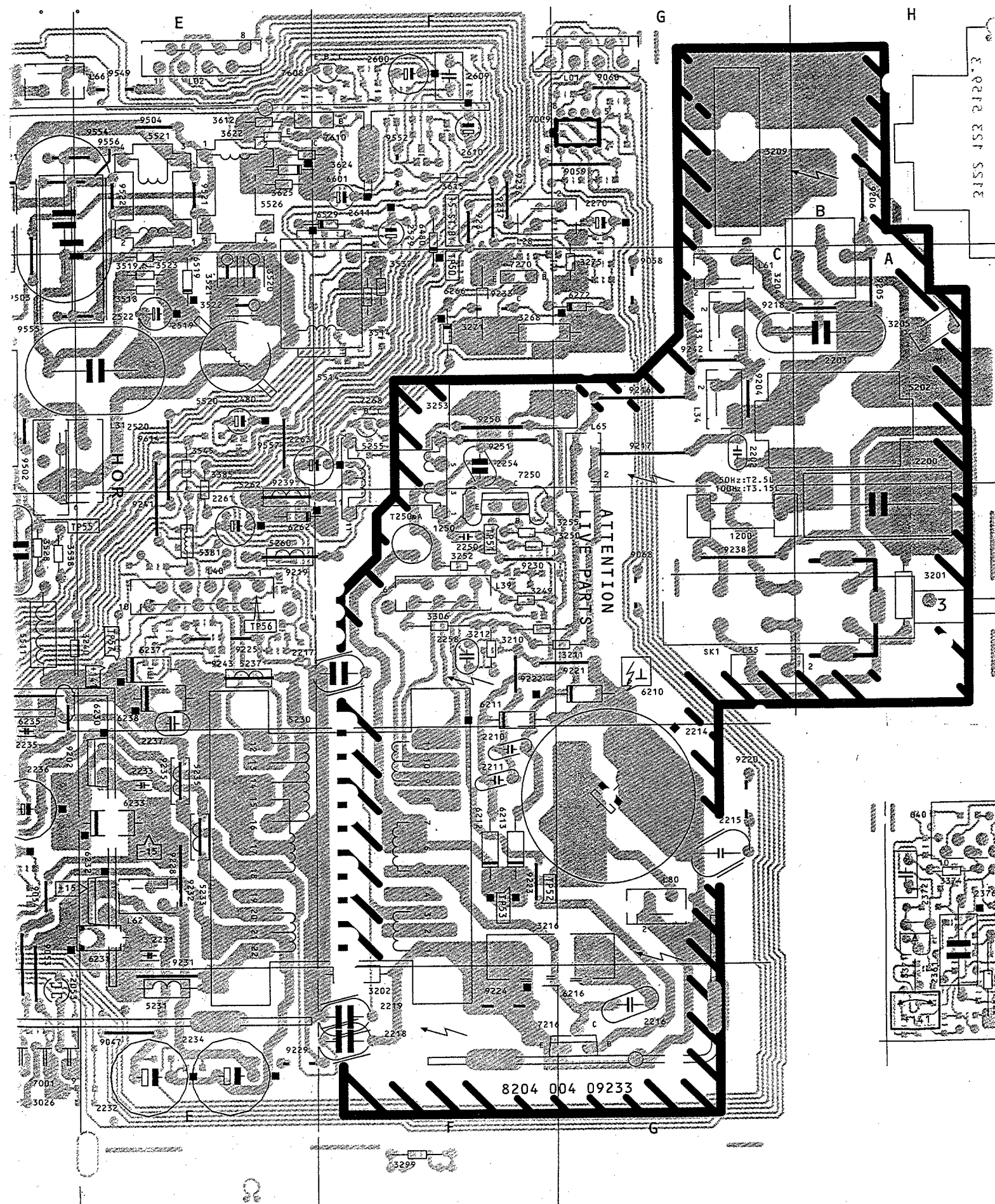
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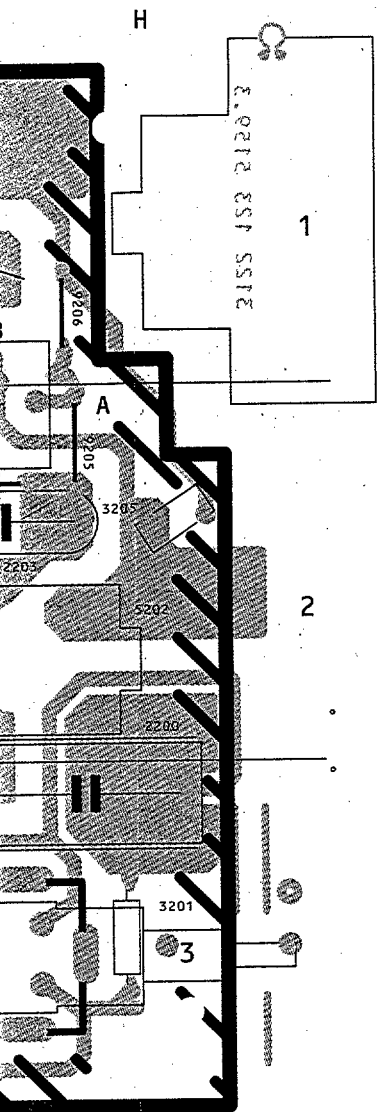
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2203-A3	6216-E6
2210-B6	6231-A8
2211-B6	6233-B8
2214-C6	6235-C8
2215-H6	6237-C8
2216-D6	6238-B8
2217-G6	6246-D8
2218-C6	6251-J6
2219-F6	6260-H8
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2232-A8	6265-J8
2233-B8	6272-J9
2234-B8	6302-F2
2235-C7	6303-F2
2236-D8	6304-F2
2237-C7	6308-D4
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2254-I6	6319-G2
2255-J6	6331-F8
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2263-J8	6353-E9
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2272-J10	6356-G8
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3268-J8	L02-I13
3270-J9	L02-J11
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3272-J9	L34-A3
3273-J9	L35-A1
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3308-D4	M34-A3
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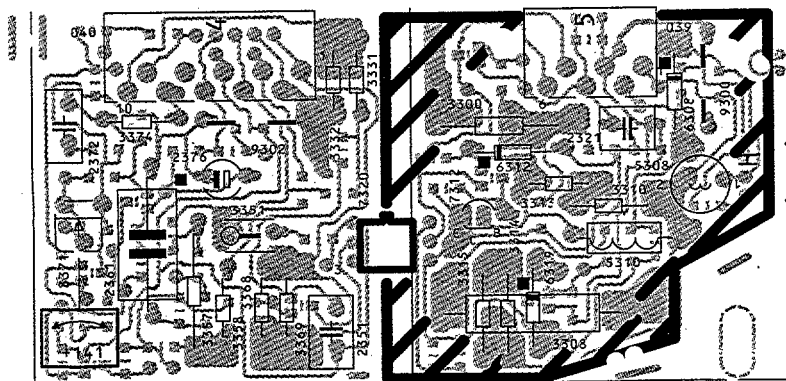
04190 400 4053

Carte à grande signaux





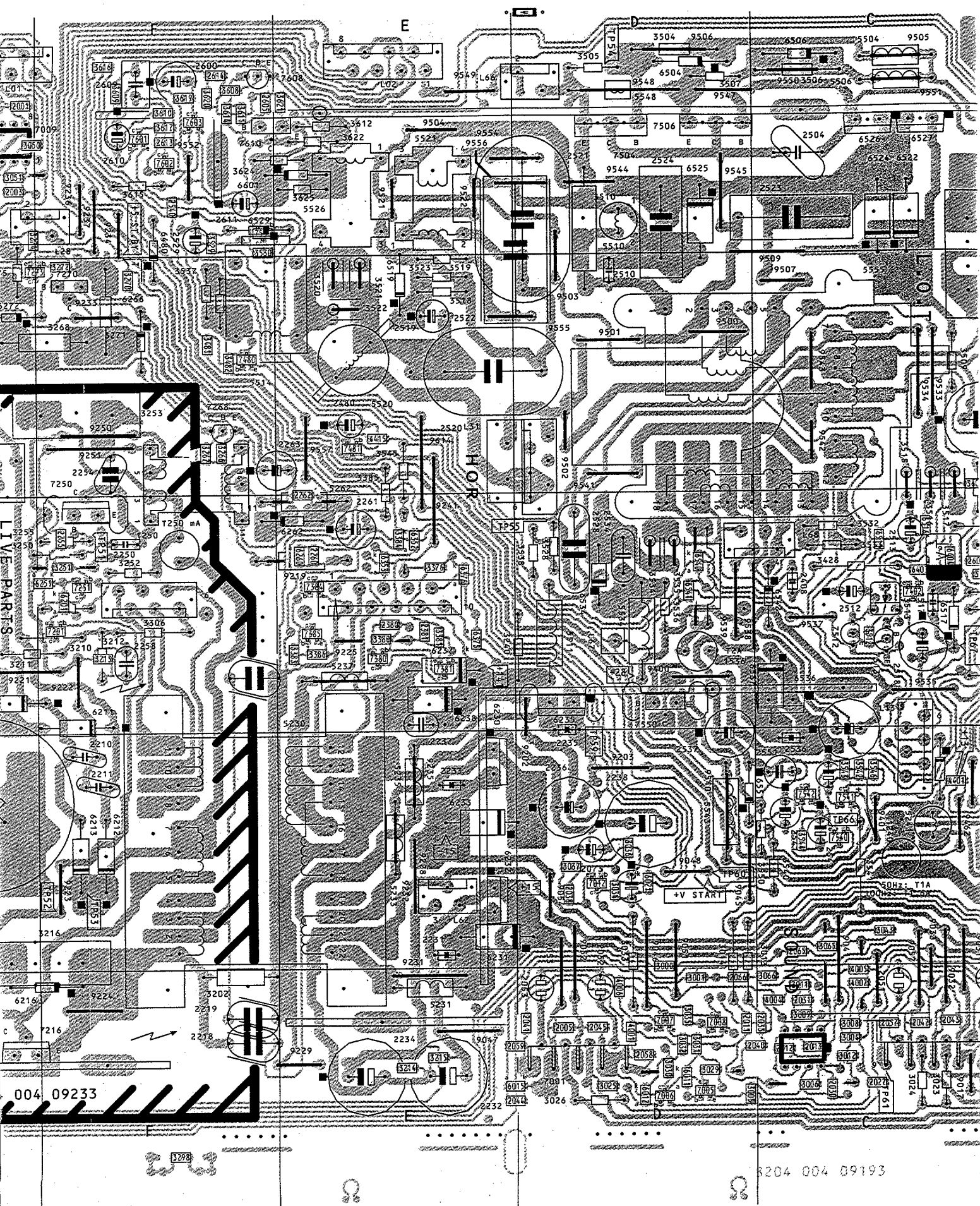
SOPS Control panel

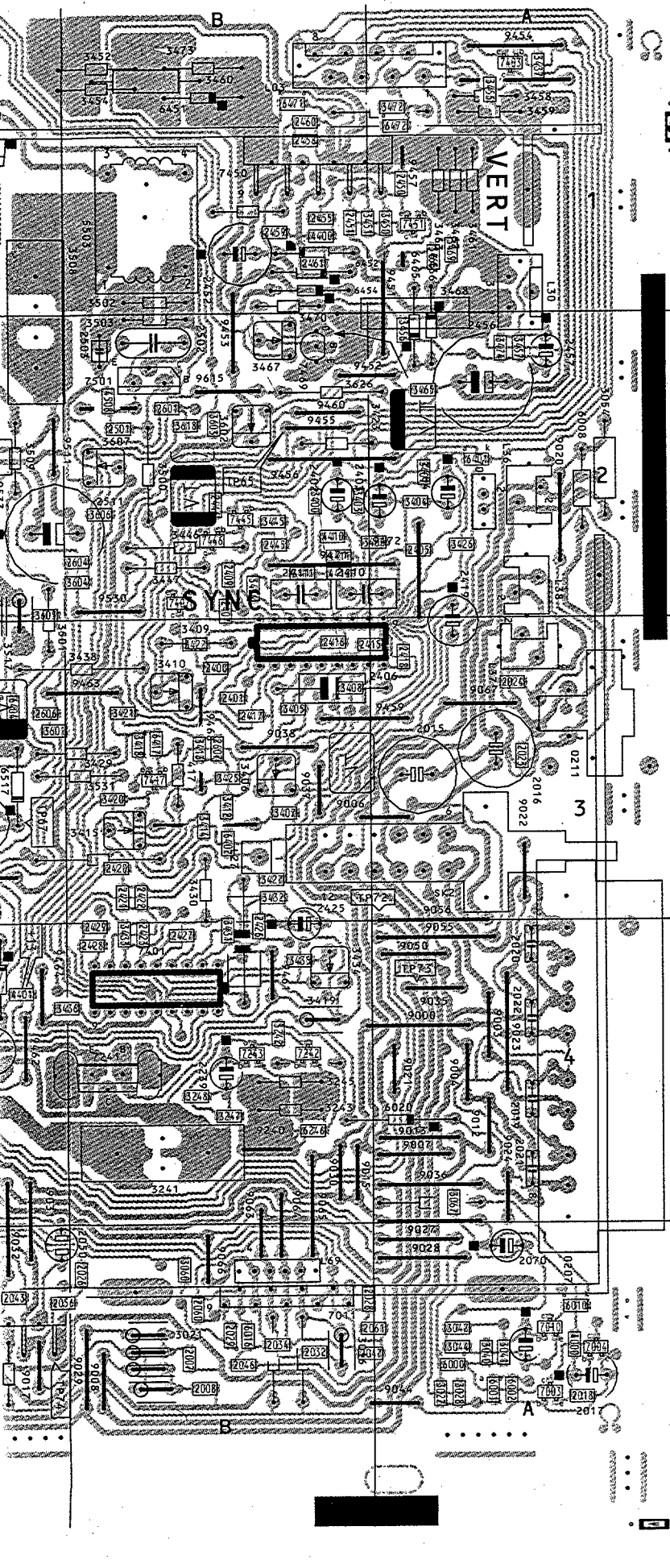


CHASSIS FL1.0

6.6

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040 H4	2426 B4	3252 F3	3501 C2	6237 E3	7601 F1	9521 E1
1200 G3	2427 B4	3253 F2	3502 B1	6238 E3	7602 F1	9522 E1
1240 C4	2428 B4	3255 F3	3503 B2	6246 B4	7603 F1	9529 D3
1250 F3	2429 B4	3266 F2	3504 D1	6251 F3	7608 F1	9530 B2
1536 D3	2445 B2	3267 F2	3505 D1	6260 E3	7610 E1	9533 C2
2001 G1	2446 B2	3268 F2	3506 C1	6262 E3	9000 A4	9534 C2
2002 G1	2450 A1	3270 F2	3507 D1	6266 F2	9001 C5	9535 C3
2003 G1	2451 B1	3271 F2	3508 C2	6272 G2	9003 A4	9537 C3
2005 D5	2452 B1	3272 F2	3509 C2	6280 C4	9006 A3	9539 D3
2007 B5	2455 B1	3273 G2	3510 D1	6302 H5	9007 A4	9540 D4
2008 B5	2456 A2	3274 G1	3512 C3	6303 H5	9008 B5	9541 D2
2009 G1	2457 A2	3275 G2	3513 C3	6304 H5	9010 C5	9542 C2
2011 D5	2458 B1	3298 F5	3514 F2	6308 H5	9012 A4	9543 C2
2012 C5	2459 B1	3299 F5	3515 C2	6312 H5	9013 A4	9544 D1
2013 C5	2460 B1	3300 H5	3516 C2	6315 H5	9015 B4	9545 D1
2015 A3	2461 B1	3304 H5	3517 C2	6318 H5	9017 C5	9547 D1
2016 A3	2480 E2	3305 H5	3518 E2	6319 H5	9020 A2	9548 D1
2017 A5	2501 B2	3306 F3	3519 E2	6331 H4	9021 A4	9549 E1
2018 A5	2502 B2	3308 H5	3520 E2	6349 H4	9022 A3	9552 F1
2019 A4	2503 B2	3309 H5	3521 E2	6350 H4	9023 A4	9554 D1
2020 A4	2504 C1	3310 H5	3522 E2	6351 H4	9024 A4	9555 E2
2021 A4	2510 D2	3311 H5	3523 E2	6352 E3	9026 A4	9556 D1
2022 A4	2511 C2	3312 H5	3528 D3	6353 E3	9027 A5	9557 E2
2023 A3	2512 C3	3313 H5	3529 F1	6355 H4	9028 A5	9614 E2
2024 A3	2513 C3	3314 H5	3530 F1	6356 H4	9029 B5	9615 B2
2026 B5	2517 C3	3315 H5	3531 B3	6357 H4		B4
2027 C5	2518 C3	3317 H5	3532 C3	6370 H4		D2
2028 B5	2519 E2	3320 H5	3533 C3	6371 H4		D3
2029 B5	2520 E2	3321 H5	3534 D3	6372 H4		D3
2030 C5	2521 D1	3322 H5	3535 D3	6373 H4		F3
2031 C5	2522 D1	3331 H4	3536 D3	6375 E3		F3
2032 B5	2523 C1	3332 H4	3537 F2	6376 E3		G5
2034 B5	2524 D1	3350 H4	3538 D3	6401 A2		L01 F1
2035 C5	2528 D3	3351 H4	3540 C4	6402 B3		L02 E1
2038 D4	2529 F1	3356 H4	3541 C4	6403 C3		L03 A1
2040 D5	2534 D3	3357 H4	3542 C4	6404 C3		L03 B3
2041 D5	2535 C4	3358 H4	3543 C4	6417 B3		L13 C4
2042 C5	2536 C4	3360 H4	3544 C4	6451 B1		L27 B3
2043 C5	2537 D4	3362 H4	3545 E2	6452 B1		L28 F1
2044 E5	2540 F1	3364 H4	3546 C4	6453 B1		L30 A1
2045 D5	2541 C4	3365 H4	3550 C4	6454 B1		L31 E2
2046 B5	2542 C4	3366 H4	3601 C3	6465 A2		L33 G2
2047 B5	2543 C4	3368 H4	3602 B2	6466 A2		L34 G2
2050 C5	2551 C4	3369 H4	3603 B2	6471 B1		L35 H3
2051 C5	2600 F1	3370 H4	3604 B2	6472 A1		L36 A2
2052 D5	2601 B2	3371 H4	3605 C2	6480 F1		L37 A3
2053 D5	2604 B2	3372 H4	3606 B2	6504 D1		L38 A2
2056 C5	2605 F1	3374 H4	3607 B2	6506 C1		L39 F3
2057 C5	2606 C3	3375 H4	3608 F1	6515 C3		L40 E3
2058 D5	2607 B3	3376 E3	3609 F1	6516 C3		L61 G2
2059 E5	2609 F1	3378 H4	3610 F1	6517 C3		L62 E4
2060 B5	2610 F1	3380 E3	3611 F1	6519 E2		L65 G2
2061 B5	2611 F1	3381 E3	3612 E1	6522 C1		L66 D1
2065 C4	2613 F1	3383 E3	3614 F1	6524 C1		L67 D3
2066 D5	2614 F1	3384 E3	3615 F1	6525 D1		L68 D3
2070 A5	3000 D4	3385 E2	3616 F1	6526 C1		L69 B5
2071 A5	3001 D5	3386 E3	3617 F1	6527 C1		L70 A2
2072 D4	3002 B5	3387 E3	3618 B2	6529 F1		L80 G4
2073 D4	3003 B5	3401 A2	3619 F1	6534 D3		SK1 G3
2200 H3	3004 C5	3402 A2	3620 F1	6536 C3		SK2 B3
2202 G2	3005 D5	3403 B2	3621 E1	6537 C3		
2203 H2	3006 C5	3404 A2	3622 E1	6540 D3		
2210 F4	3008 C5	3405 B3	3624 E1	6541 D3		
2211 F4	3009 C5	3406 B3	3625 E1	6542 C3		
2214 G4	3011 C5	3407 B3	3626 B2	6551 D4		
2215 G4	3012 C5	3408 B3	4000 A5	6601 E1		
2216 G5	3013 D4	3409 B3	4001 D5	7000 C5		
2217 F3	3014 D4	3410 B3	4004 C5	7001 D5		
2218 F5	3016 B5	3411 B2	4005 C5	7002 C5		
2219 F5	3019 B5	3412 B3	4006 D5	7003 A5		
2231 E4	3020 B5	3413 B3	4007 C5	7004 A5		
2232 E5	3021 B5	3414 B3	4008 B1	7005 D5		
2233 E4	3022 B5	3415 B3	4009 C5	7006 D5		
2234 E5	3023 C5	3416 B3	4010 B2	7007 D5		
2235 D3	3024 C5	3417 B3	4011 B2	7008 D5		
2236 D4	3025 D5	3418 B3	4012 B2	7009 G1		
2237 E3	3026 D5	3419 B4	4415 E2	7010 A5		
2238 D4	3027 A5	3420 B3	4508 B2	7011 B5		
2239 B4	3028 A5	3421 B3	5202 G2	7012 D4		
2250 F3	3029 D5	3422 B3	5230 F4	7201 F3		
2251 F3	3030 D5	3423 B2	5231 E5	7216 G5		
2252 F3	3031 D5	3424 B2	5233 E4	7241 B4		
2253 F3	3032 D5	3425 B3	5235 E4	7242 B4		
2259 E3	3033 D4	3426 A2	5237 E3	7243 B4		
2261 E3	3034 D4	3427 B3	5241 C4	7250 F3		
2262 E3	3035 D5	3428 C3	5255 F3	7251 F3		
2263 E2	3036 D4	3429 B3	5260 E3	7268 F2		
2270 G1	3037 D4	3430 B3	5282 E3	7270 F2		
2272 G2	3040 A5	3431 B4	5308 H5	7272 G1		
2302 H5	3041 A5	3432 B3	5310 H5	7273 F2		
2303 H5	3042 A5	3433 B4	5381 E3	7305 H5		
2308 H5	3043 C4	3434 B4	5503 B1	7311 H5		
2321 H5	3044 A5	3435 B4	5504 C1	7312 H5		
2331 H4	3050 G1	3436 B4	5506 C1	7318 H5		
2351 H4	3051 G1	3437 A1	5510 D1	7320 H4		
2360 H4	3052 G1	3438 B3	5511 D3	7360 H4		
2361 H4	3053 G1	3445 B2	5514 F2	7369 H4		
2365 H4	3054 A2	3446 B2	5520 E2	7370 H4		
2372 H4	3060 B5	3447 B2	5521 E1	7371 H4		
2374 H4	3065 C4	3450 A1	5526 E1	7380 E3		
2376 H4	3066 C5	3451 A1	5534 D3	7381 E3		
2380 E3	3067 A4	3452 B1	5536 D3	7384 E3		
2381 E3	3068 A4	3454 B1	5543 D4	7385 E3		
2400 B3	3201 H3	3455 A1	5555 D3	7400 B3		
2401 B3	3202 F5	3456 A2	6000 A5	7401 B4		
2402 B2	3204 H2	3457 A2	6001 A5	7402 C3		
2403 A2	3205 H2	3458 A1	6002 A5	7403 A1		
2404 A2	3209 G1	3459 A1	6008 A2	7407 B2		
2405 A2	3210 F3	3460 B1	6010 A5	7417 B3		
2406 B3	3211 G3	3461 A1	6011 D5	7445 B2		
2407 B2	3212 F3	3462 A1	6012 D5	7446 B2		
2408 C3	3213 F3	3463 A1	6015 E5	7450 A1		
2409 B2	3214 E5	3465 A2	6016 B5	7451 A1		
2410 B2	3215 E5	3466 A1	6020 A4	7469 B2		
2411 B2	3216 F4	3467 B2	6021 D4	7480 B2		
2415 A3	3240 D3	3468 A2	6201 F3	7481 E2		
2416 B3	3241 B4	3469 A1	6210 G3	7501 B2		
2417 B3	3242 B4	3470 B1	6211 F3	7504 D1		
2418 A3	3243 B4	3471 A1	6212 F4	7506 D1		
2419 A3	3244 B4	3472 A1	6213 F4	7512 C3		
2420 B3	3245 B4	3473 B1	6216 F5	7513 C3		
2421 B3	3247 B4	3474 A2	6230 E4	7530 F1		
2422 B3	3248 B4	3480 B1	6231 E4	7540 C4		





0207 A4	2423 B4	3249 F3	3481 F2	6232 E4	7541 C4	9508 B2
0211 A3	2424 B4	3250 F3	3482 F2	6233 E4	7542 C4	9509 C1
039 H5	2425 B4	3251 F3	3500 B2	6235 D3	7550 D3	9511 C2
040 H4	2426 B4	3252 F3	3501 C2	6237 E3	7601 F1	9521 E1
1200 G3	2427 B4	3253 F2	3502 B1	6238 E3	7602 F1	9522 E1
1240 C4	2428 B4	3255 F3	3503 B2	6246 B4	7603 F1	9529 D3
1250 F3	2429 B4	3266 F2	3504 D1	6251 F3	7608 F1	9530 B2
1536 D3	2445 B2	3267 F2	3505 D1	6260 E3	7610 E1	9533 C2
2001 G1	2446 B2	3268 F2	3506 C1	6262 E3	9000 A4	9534 C2
2002 G1	2450 A1	3270 F2	3507 D1	6266 F2	9001 C5	9535 C3
2003 G1	2451 B1	3271 F2	3508 C2	6272 G2	9003 A4	9537 C3
2005 D5	2452 B1	3272 F2	3509 C2	6280 C4	9004 A4	9538 D3
2007 B5	2455 B1	3273 G2	3510 D1	6302 H5	9008 A3	9539 D3
2008 B5	2456 A2	3274 G1	3512 C3	6303 H5	9007 A4	9540 D4
2009 G1	2457 A2	3275 G2	3513 C3	6304 H5	9008 B5	9541 D2
2011 D5	2458 B1	3298 F5	3514 F2	6308 H5	9010 C5	9542 C2
2012 C5	2459 B1	3299 F5	3515 C2	6312 H5	9012 A4	9543 C2
2013 C5	2460 B1	3300 H5	3516 C2	6315 H5	9013 A4	9544 D1
2015 A3	2461 B1	3304 H5	3517 C2	6318 H5	9015 B4	9545 D1
2016 A3	2480 E2	3305 H5	3518 E2	6319 H5	9017 C5	9547 D1
2017 A5	2501 B2	3306 F3	3519 E2	6331 H4	9020 A2	9548 D1
2018 A5	2502 B2	3308 H5	3520 E2	6349 H4	9021 A4	9549 E1
2019 A4	2503 B2	3309 H5	3521 E2	6350 H4	9022 A3	9552 F1
2020 A4	2504 C1	3310 H5	3522 E2	6351 H4	9023 A4	9554 D1
2021 A4	2510 C2	3311 H5	3523 E2	6352 E3	9024 A4	9555 E2
2022 A4	2511 C2	3312 H5	3528 D3	6353 E3	9026 A4	9556 D1
2023 A3	2512 C3	3313 H5	3529 F1	6355 H4	9027 A5	9557 E2
2024 A3	2513 C3	3314 H5	3530 F1	6356 H4	9028 A5	9614 E2
2026 B5	2517 C3	3315 H5	3531 B3	6357 H4	9029 B5	9615 B2
2027 C5	2518 C3	3317 H5	3532 C3	6370 H4	9030 B4	B4
2028 B5	2519 E2	3320 H5	3533 C3	6371 H4	9031 C4	D2
2029 B5	2520 E2	3321 H5	3534 D3	6372 H4	9032 C4	D3
2030 C5	2521 D1	3322 H5	3535 D3	6373 H4	9033 C5	D3
2031 C5	2522 D1	3331 H4	3536 D3	6375 E3	9034 C5	F3
2032 B5	2523 C1	3332 H4	3537 F2	6376 E3	9035 A4	G5
2034 B5	2524 D1	3350 H4	3538 D3	6401 A2	9036 A4	L01 F1
2035 C5	2528 D3	3351 H4	3540 C4	6402 B3	9037 B3	L02 E1
2038 D4	2529 F1	3356 H4	3541 C4	6403 C3	9038 B3	L03 A1
2040 D5	2534 C3	3357 H4	3542 C4	6404 C3	9039 B3	L13 C4
2041 D5	2535 C4	3358 H4	3543 C4	6417 B3	9041 C4	L27 B3
2042 C5	2536 C4	3360 H4	3544 C4	6451 B1	9042 C4	L28 F1
2043 C5	2537 D4	3362 H4	3545 E2	6452 B1	9043 D5	L30 A1
2044 E5	2540 F1	3364 H4	3546 C4	6453 B1	9044 A5	L31 E2
2045 D5	2541 C4	3365 H4	3550 C4	6454 B1	9045 D4	L33 G2
2046 B5	2542 C4	3366 H4	3601 C3	6465 A2	9046 D4	L34 G2
2047 B5	2543 C4	3368 H4	3602 B2	6466 A2	9047 E5	L36 H3
2050 C5	2551 C4	3369 H4	3603 B2	6471 B1	9048 D4	L36 A2
2051 C5	2600 F1	3370 H4	3604 B2	6472 A1	9050 A4	L37 A3
2052 D5	2601 B2	3371 H4	3605 C2	6480 F1	9051 D4	L38 A2
2053 D5	2604 B2	3372 H4	3606 B2	6504 D1	9052 D4	L39 F3
2056 C5	2605 F1	3373 H4	3607 B2	6506 C1	9053 D5	L40 E3
2057 C5	2606 C3	3375 H4	3608 F1	6515 C3	9054 D4	L61 G2
2058 D5	2607 B3	3376 H4	3609 F1	6516 C3	9055 A4	L62 A4
2059 B5	2609 F1	3380 E3	3610 F1	6517 C3	9056 A3	L65 G2
2060 B5	2610 F1	3381 E3	3611 F1	6519 E2	9057 C4	L66 D1
2061 B5	2611 F1	3382 E3	3612 E1	6522 C1	9058 G2	L67 D3
2065 C4	2613 F1	3383 E3	3614 F1	6524 C1	9059 G1	L68 D3
2066 D5	2614 F1	3384 E3	3615 F1	6525 D1	9060 G1	L69 B5
2070 A5	3000 D4	3385 E2	3616 F1	6526 C1	9063 B5	L70 A2
2071 A5	3001 D5	3386 E3	3617 F1	6527 C1	9064 B5	L80 G4
2072 D4	3002 B5	3400 B2	3618 B2	6529 F1	9065 B4	SK1 G3
2073 D4	3003 B5	3401 A2	3619 F1	6534 D3	9066 B5	SK2 B3
2200 H3	3004 C5	3402 A2	3620 F1	6536 C3	9067 A3	
2202 G2	3005 D5	3403 B2	3621 E1	6537 C3	9068 G3	
2203 H2	3006 C5	3404 A2	3622 E1	6540 D3	9202 D3	
2210 F4	3008 C5	3405 B3	3624 E1	6541 D3	9203 D4	
2211 F4	3009 C5	3406 B3	3625 E1	6542 C3	9204 G2	
2214 G4	3011 C5	3407 B3	3626 B2	6551 D4	9205 H2	
2215 G4	3012 C5	3408 B3	4000 A5	6601 E1	9206 H1	
2216 G5	3013 D4	3409 B3	4001 D5	7000 C5	9216 G2	
2217 F3	3014 D4	3410 B3	4004 C5	7001 D5	9217 G2	
2218 F5	3016 B5	3411 B2	4005 C5	7002 C5	9218 H2	
2219 F5	3019 B5	3412 B3	4006 D5	7003 A5	9219 E3	
2231 E4	3020 B5	3413 B3	4007 C5	7004 A5	9220 G4	
2232 E5	3021 B5	3414 B3	4008 B1	7005 D5	9221 G3	
2233 E4	3022 B5	3415 B3	4001 C4	7006 D5	9222 F3	
2234 E5	3023 C5	3416 B3	4410 B2	7007 D5	9223 F4	
2235 D3	3024 C5	3417 B3	4411 B2	7008 D5	9224 F5	
2236 D4	3025 D5	3418 B3	4412 B2	7009 G1	9225 E3	
2237 E3	3026 D5	3419 B4	4415 E2	7010 A5	9226 E4	
2238 D4	3027 A5	3420 B3	4508 B2	7011 B5	9229 E5	
2239 B4	3028 A5	3421 B3	5202 G2	7012 D4	9230 F3	
2250 F3	3029 D5	3422 B3	5230 F4	7201 F3	9231 E5	
2254 F2	3030 D5	3423 B2	5231 E5	7216 F5	9232 E4	
2255 F3	3031 D5	3424 B2	5233 E4	7241 B4	9233 F2	
2258 F3	3032 D5	3425 B3	5235 E4	7242 B4	9234 F1	
2260 E3	3033 D4	3426 A2	5237 E3	7243 B4	9235 E4	
2261 E3	3034 D4	3427 B3	5241 C4	7250 F3	9236 F1	
2262 E3	3035 D5	3428 C3	5253 F3	7251 F3	9237 F1	
2263 E2	3036 D4	3429 B3	5260 E3	7268 F2	9238 G3	
2270 G1	3037 D4	3430 B3	5262 E3	7270 F2	9239 E3	
2272 G2	3040 A5	3431 B4	5308 H5	7272 G1	9240 B4	
2302 H5	3041 A5	3432 B3	5310 H5	7273 F2	9241 E3	
2303 H5	3042 A5	3433 B4	5381 E3	7305 H5	9242 E2	
2308 H5	3043 C4	3434 B4	5503 B1	7311 H5	9243 E3	
2321 H5	3044 A5	3435 B4	5504 C1	7312 H5	9250 F2	
2331 H4	3050 G1	3436 B4	5506 C1	7318 H5	9251 F2	
2351 H4	3051 G1	3437 A1	5510 D1	7320 H4	9300 H5	
2360 H4	3052 G1	3438 B3	5511 D3	7360 H4	9302 H4	
2361 H4	3053 G1	3445 B2	5514 F2	7369 H4	9400 D3	
2365 H4	3054 A2	3446 B2	5520 E2	7370 H4	9401 C4	
2372 H4	3060 B5	3447 B2	5521 E1	7371 H4	9451 A1	
2374 H4	3065 C4	3450 A1	5526 E1	7380 E3	9452 B2	
2376 H4	3066 C5	3451 A1	5534 D3	7381 E3	9453 B2	
2380 E3	3067 A4	3452 B1	5536 D3	7384 E3	9454 A1	
2381 E3	3068 A4	3454 B1	5543 D4	7385 E3	9455 B2	
2400 B3	3201 H3	3455 A1	5555 D3	7400 B3	9456 B2	
2401 B3	3202 F5	3456 A2	6000 A5	7401 B4	9457 A1	
2402 B2	3204 H2	3457 A2	6001 A5	7402 C3	9458 A1	
2403 A2	3205 H2	3458 A1	6002 A5	7403 A1	9459 B3	
2404 A2	3209 G1	3459 A1	6008 A2	7407 B2	9460 B2	
2405 A2	3210 F3	3460 B1	6010 A5	7417 B3	9461 B4	
2406 B3	3211 G3	3461 A1	6011 D5	7445 B2	9462 C4	
2407 B2	3212 F3	3462 A1	6012 D5	7446 B2	9463 B3	
2408 C3	3213 F3	3463 A1	6015 E5	7450 A1	9464 C4	
2409 B2	3214 E5	3465 A2	6016 B5	7451 A1	9468 B3	
2410 B2	3215 E5	3466 A1	6020 A4	7469 B2	9471 B2	
2411 B2	3216 F4	3467 B2	6021 D4	7480 F2	9472 A2	
2415 A3	3240 D3	3468 A2	6201 F3	7481 E2	9500 D2	
2416 B3	3241 B4	3469 A1	6210 G3	7501 B2	9501 D2	
2417 B3	3242 B4	3470 B1	6211 F3	7504 D1	9502 D2	
2418 A3	3243 B4	3471 A1	6212 F4	7506 D1	9503 D2	
2419 A3	3244 B4	3472 A1	6213 F4	7512 C3	9504 E1	
2420 B3	3245 B4	3473 B1	6216 F5	7513 C3	9505 C1	
2421 B3	3247 B4	3474 A2	6230 E4	7530 F1	9506 D1	
2422 B3	3248 B4	3480 B1	6231 E4	7540 C4	9507 C2	

B

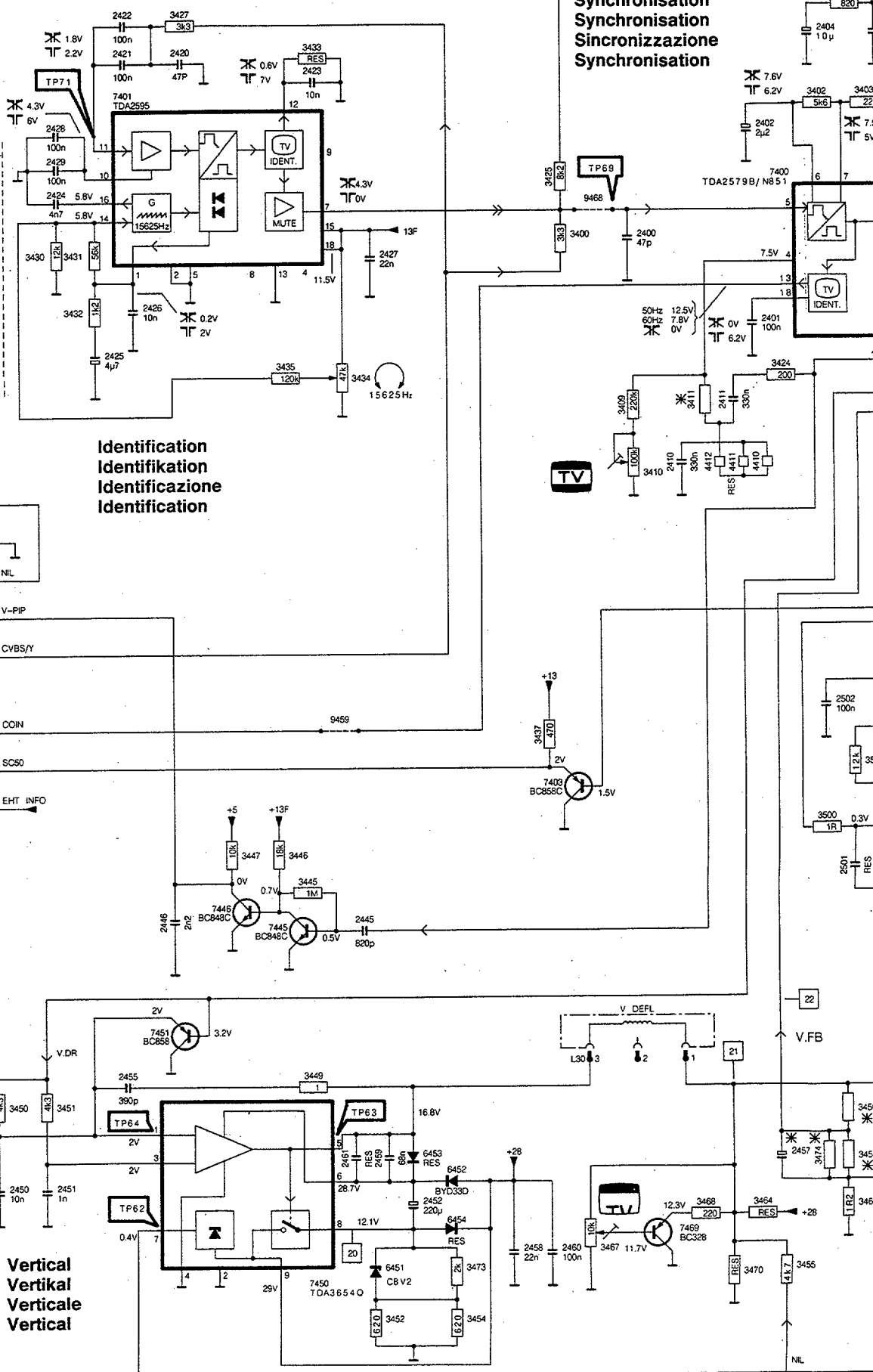
DIAGRAM-SCHALTBILD-SCHEMA B

TABEL 1 (※)

POS	21"	25"	28"	33"
2457	2μ2	1μ	1μ	2μ2
2520	270p	390n	390n	390n
2521	470n	560n	560n	680n
2523	9n1	10n	10n	10n
2524	18n	24n	24n	24n
2528	33n	47n	47n	47n
2604	1n8	820p	680p	1n8
2605	3n9	10n	8n2	3n9
2606	12n	2n7	3n3	12n
2607	1n	1n	-	-
2614	-	82n	82n	-
3411	82k	51k	56k	82k
3413	3M9	1M1	1M6	3M9
3456	100k	180k	180k	110k
3457	8k2	15k	15k	8k2
3459	2k7	4k7	4k7	2k7
3474	-	68k	68k	-
3508	3k9	2k2	2k2	2k7
3523	-	10k	10k	10k
3538	6k8	470	1k	1k
3605	20k	62k	51k	20k
3612	-	5k1	5k1	5k1
3626	120k	68k	82k	120k
5555	DSBE	DSBU50	DSBU50	DSBU50
6541	C8	C15	C15	C15

Identification
Identifikation
Identificazione
Identification

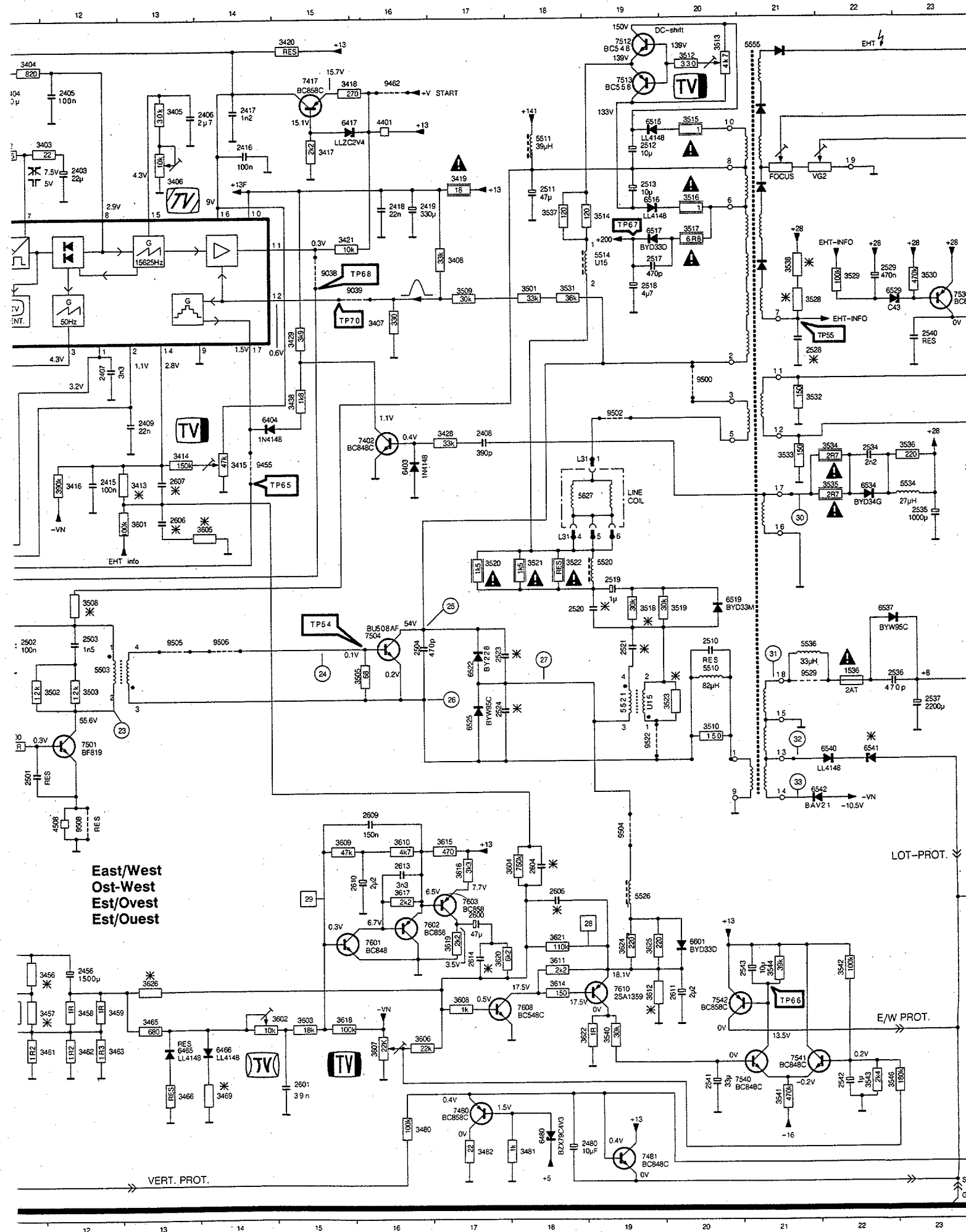
Synchronisation
Synchronisation
Sincronizzazione
Synchronisation

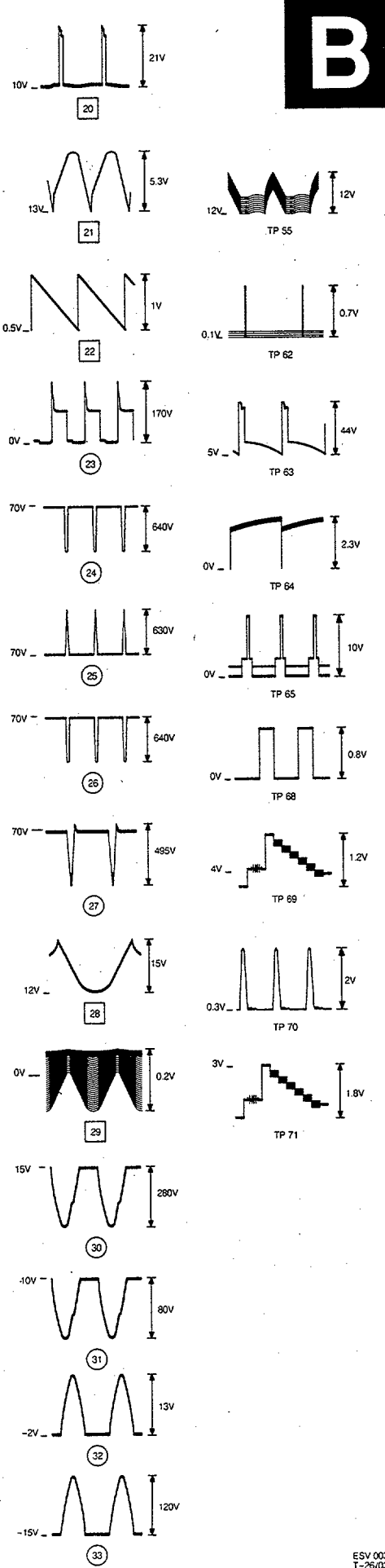
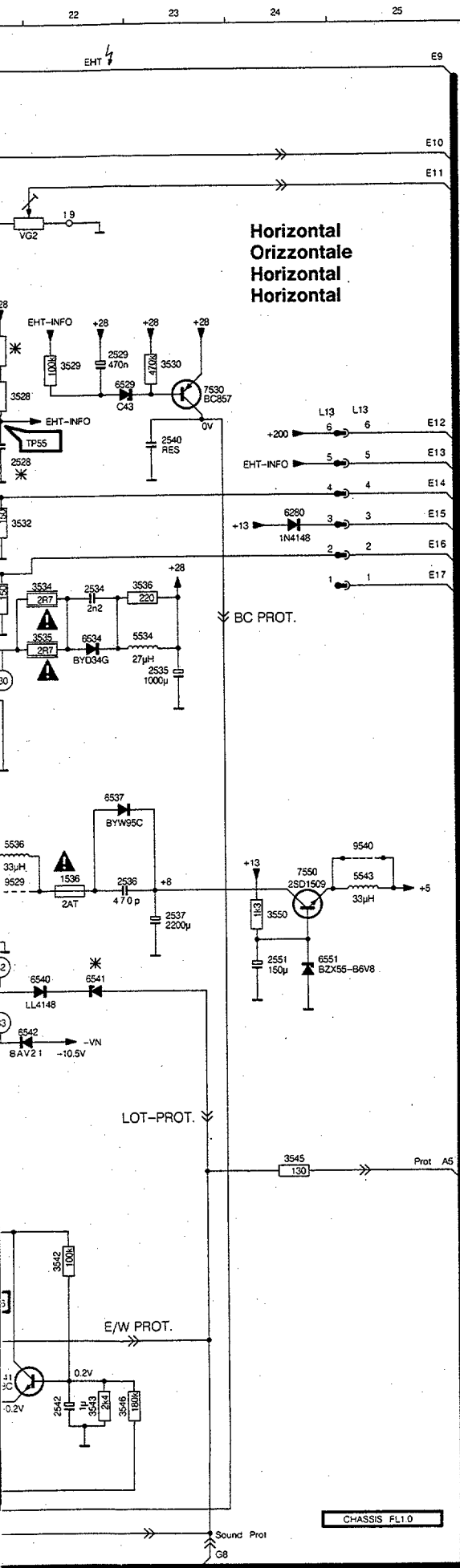


Vertical
Vertikal
Verticale
Vertical

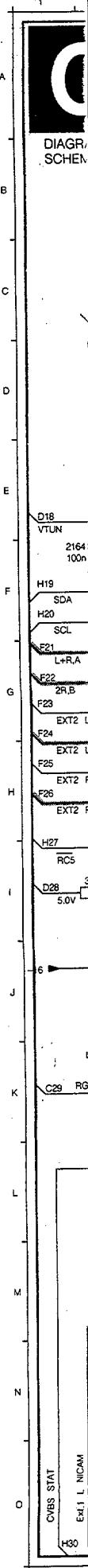
A, D, E

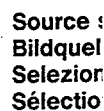
Synchronizzazione

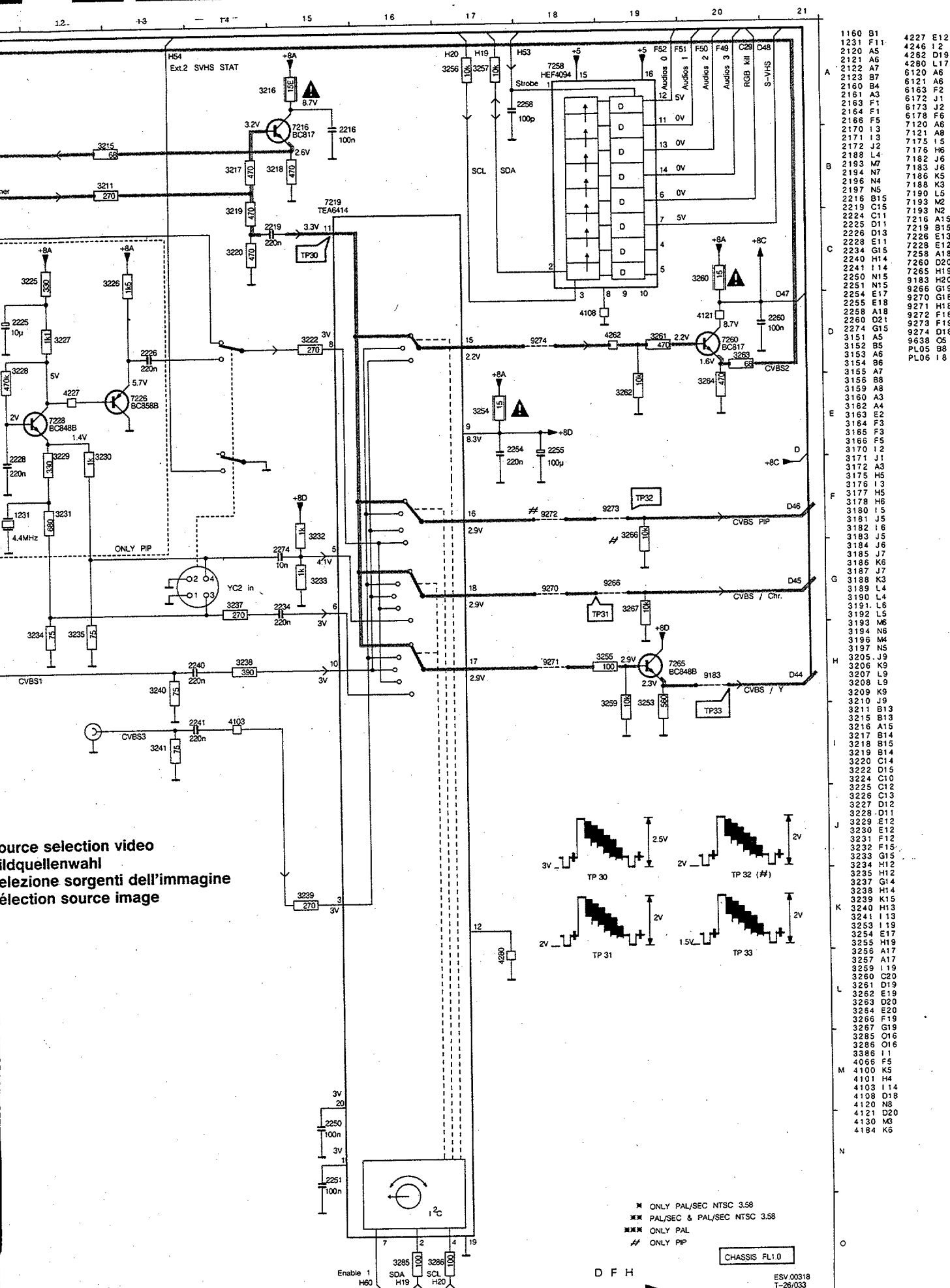




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2416	B14	3520	G17
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2418	C16	3522	G18
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2423	B6	3531	D18
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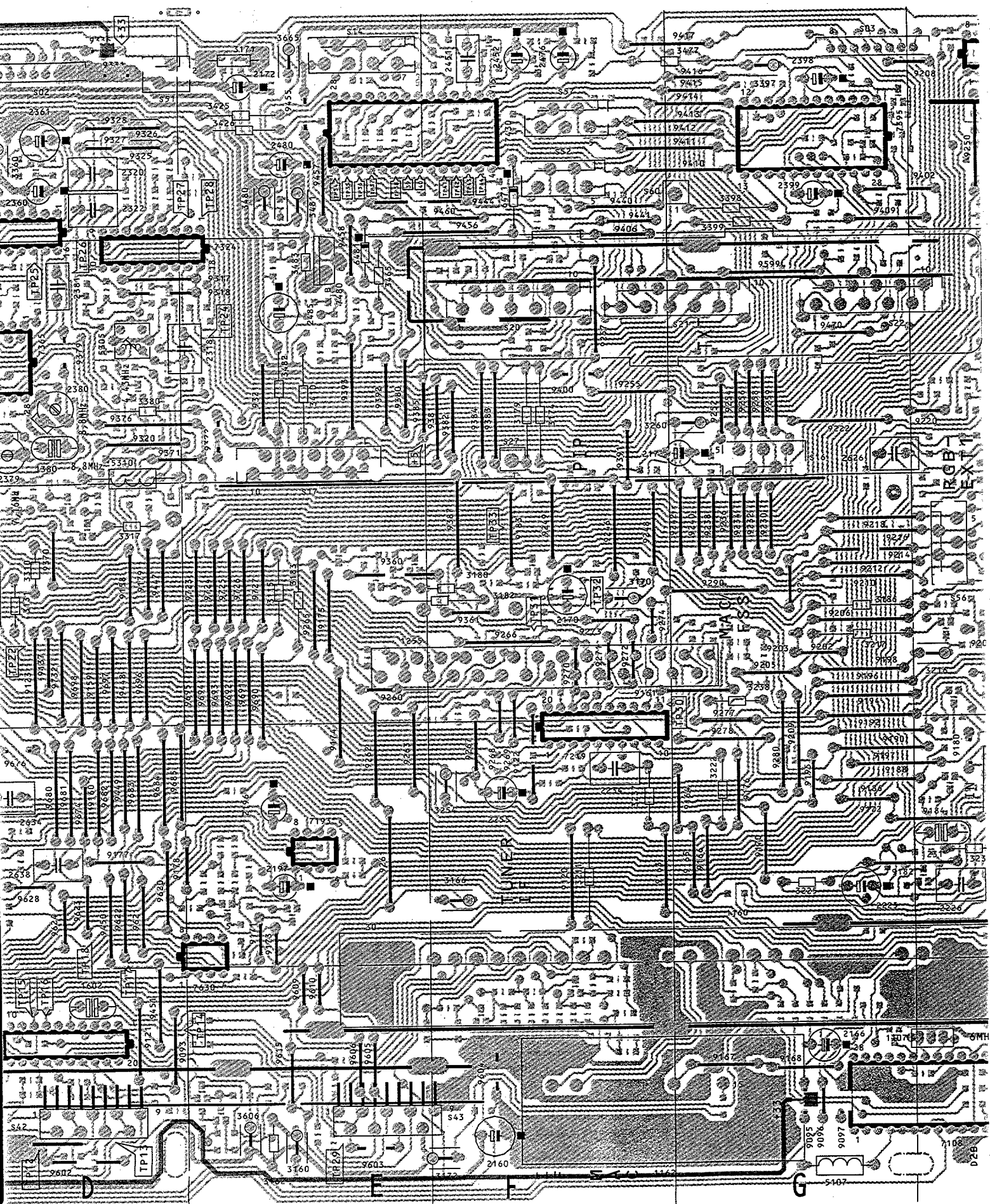


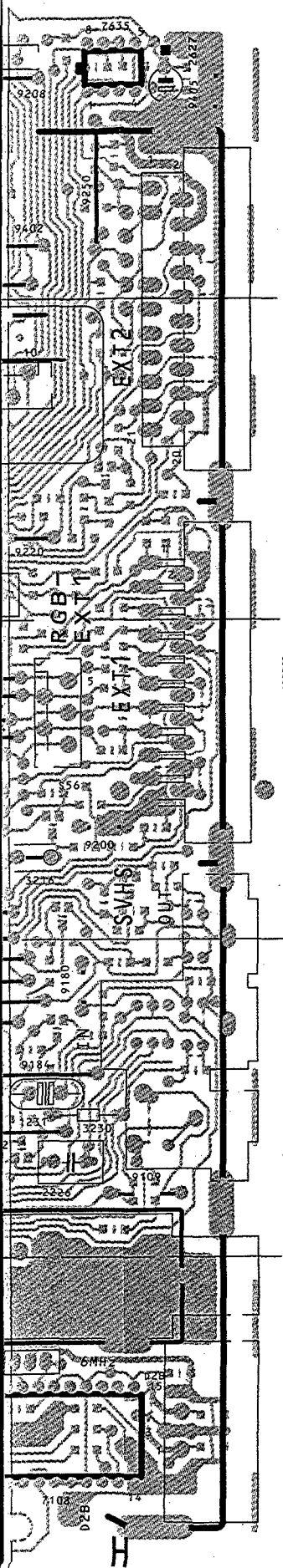


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2166 F5	7120 A6
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2194 N7	7186 K5
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2197 N5	7190 L5
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2219 C15	7193 N2
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2225 D11	7219 B15
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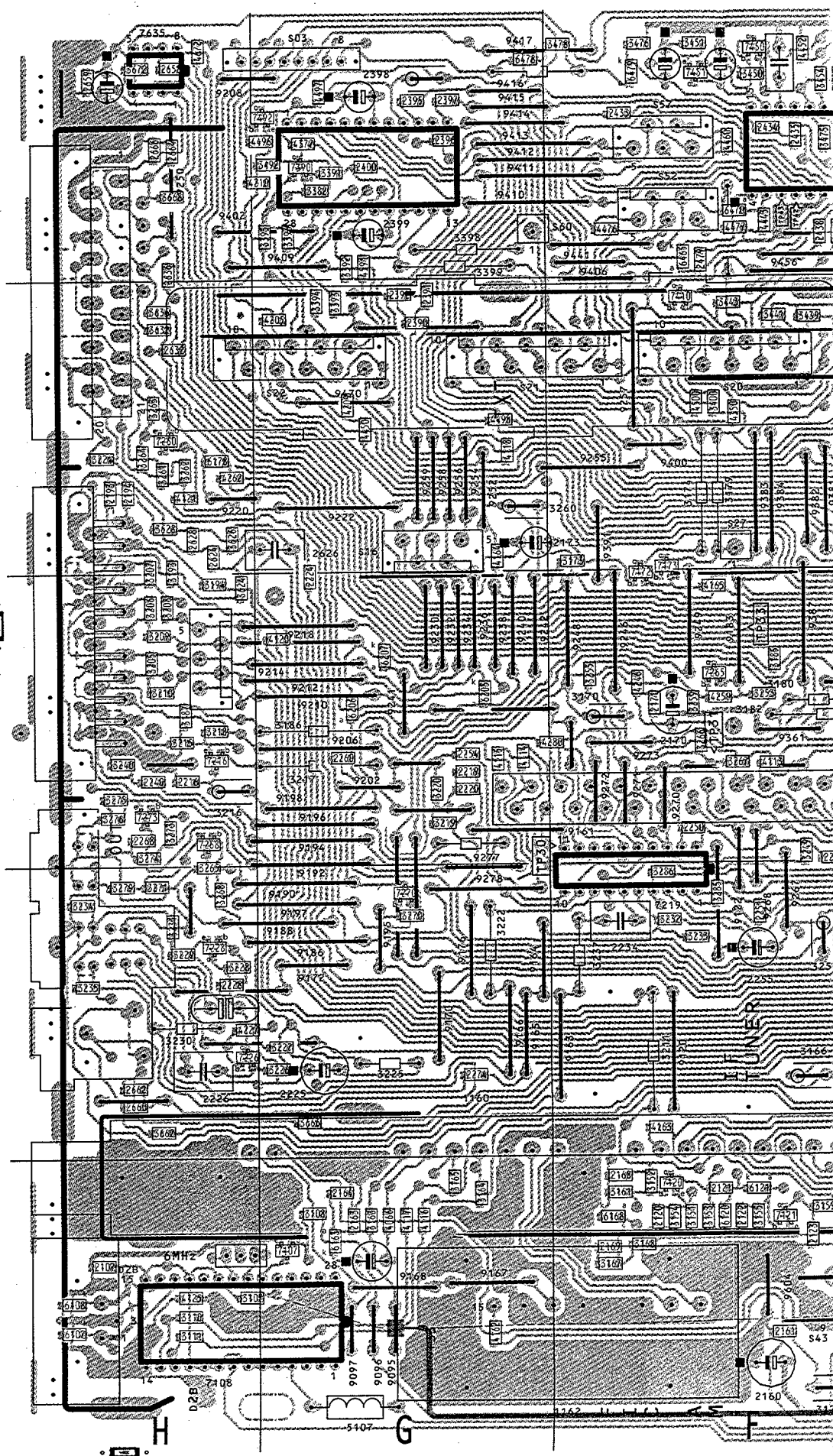


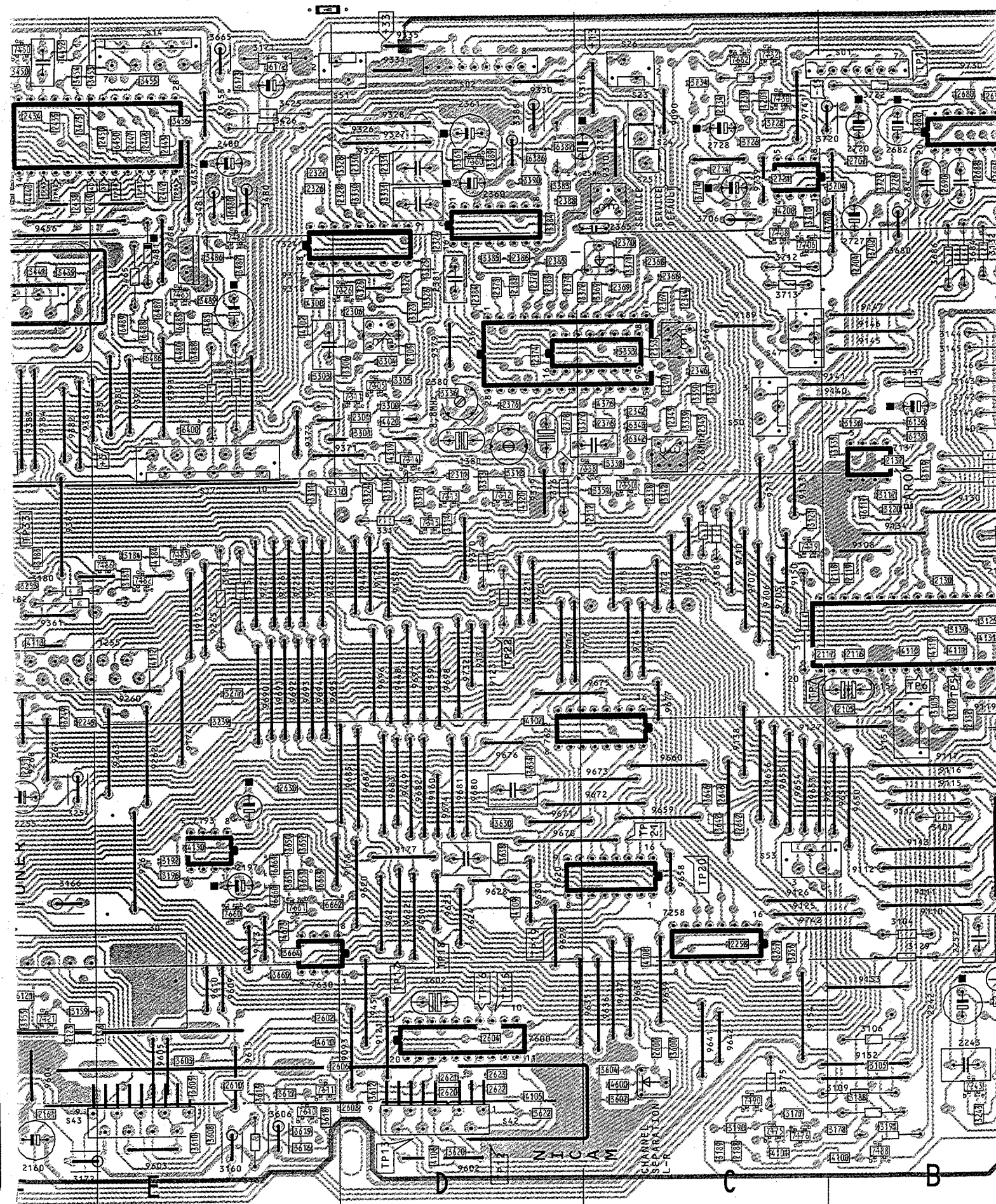
Carte à petite signaux

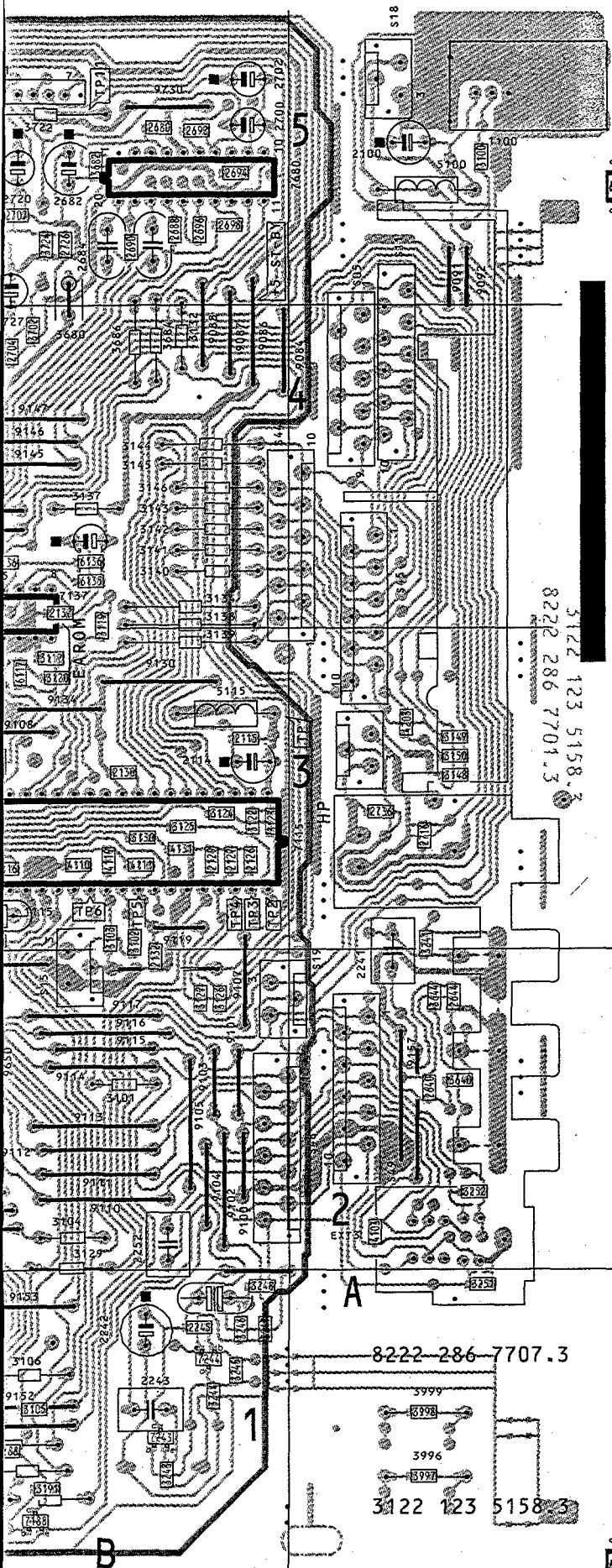




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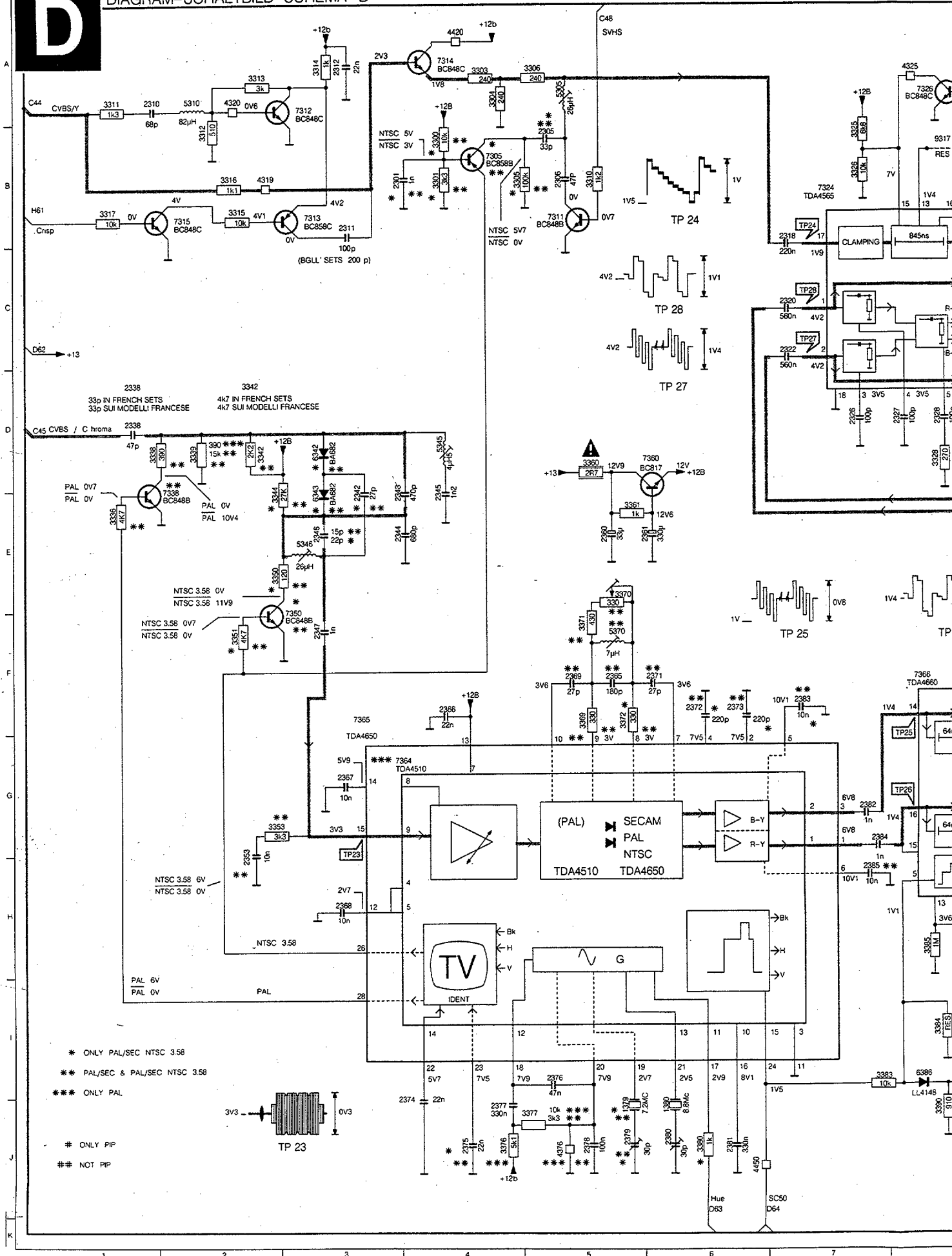


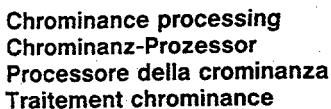


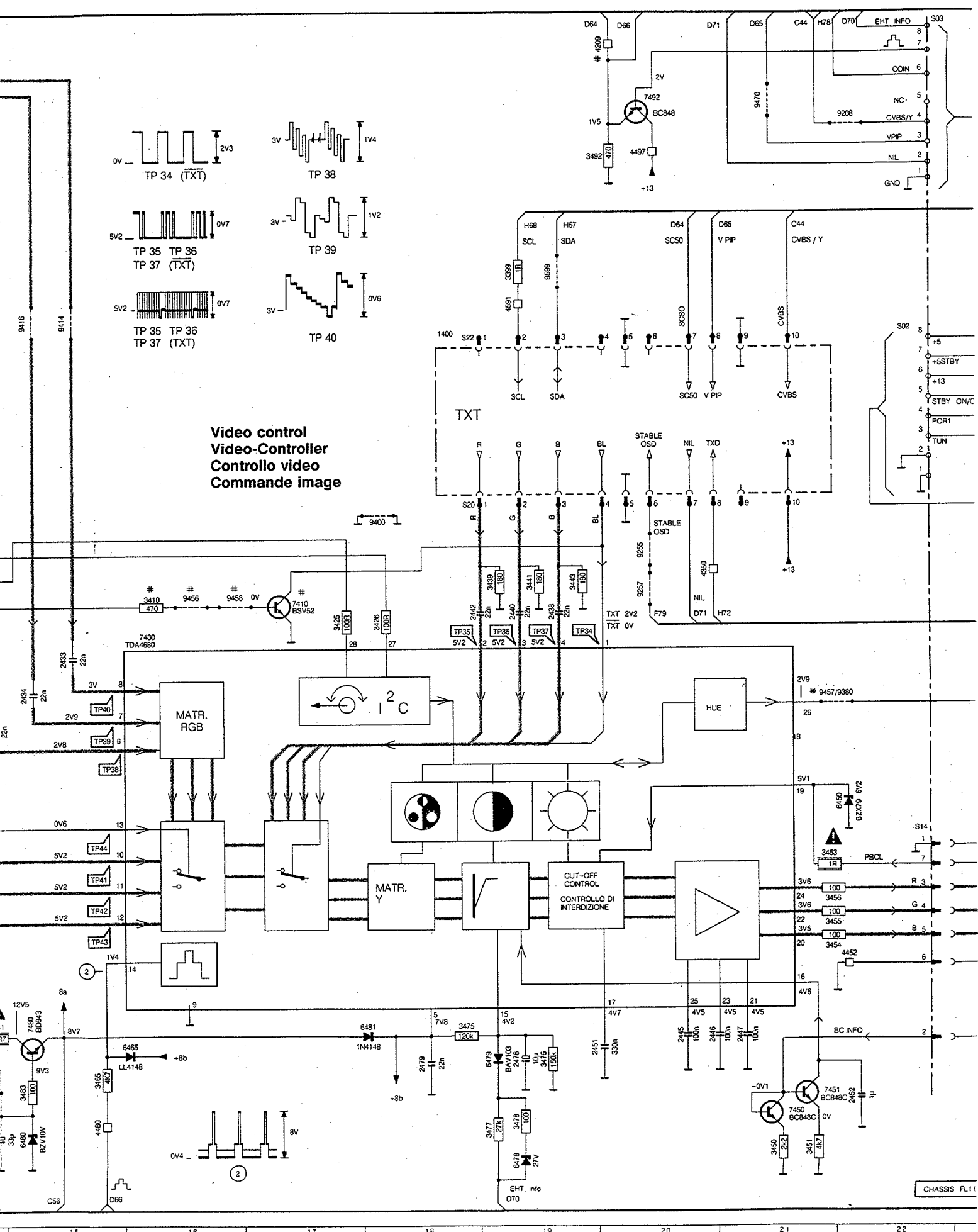
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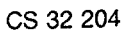
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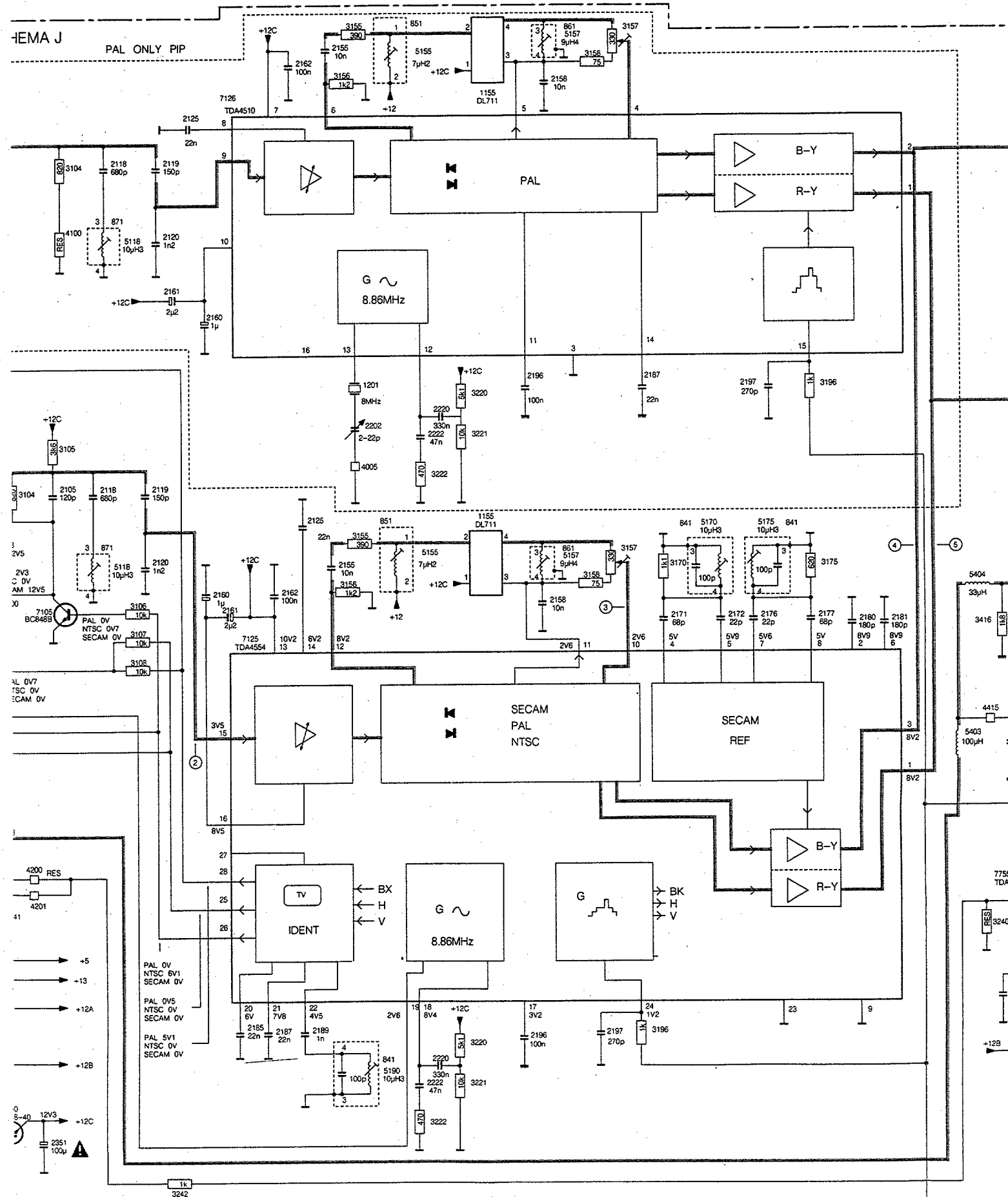
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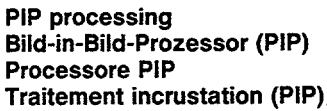


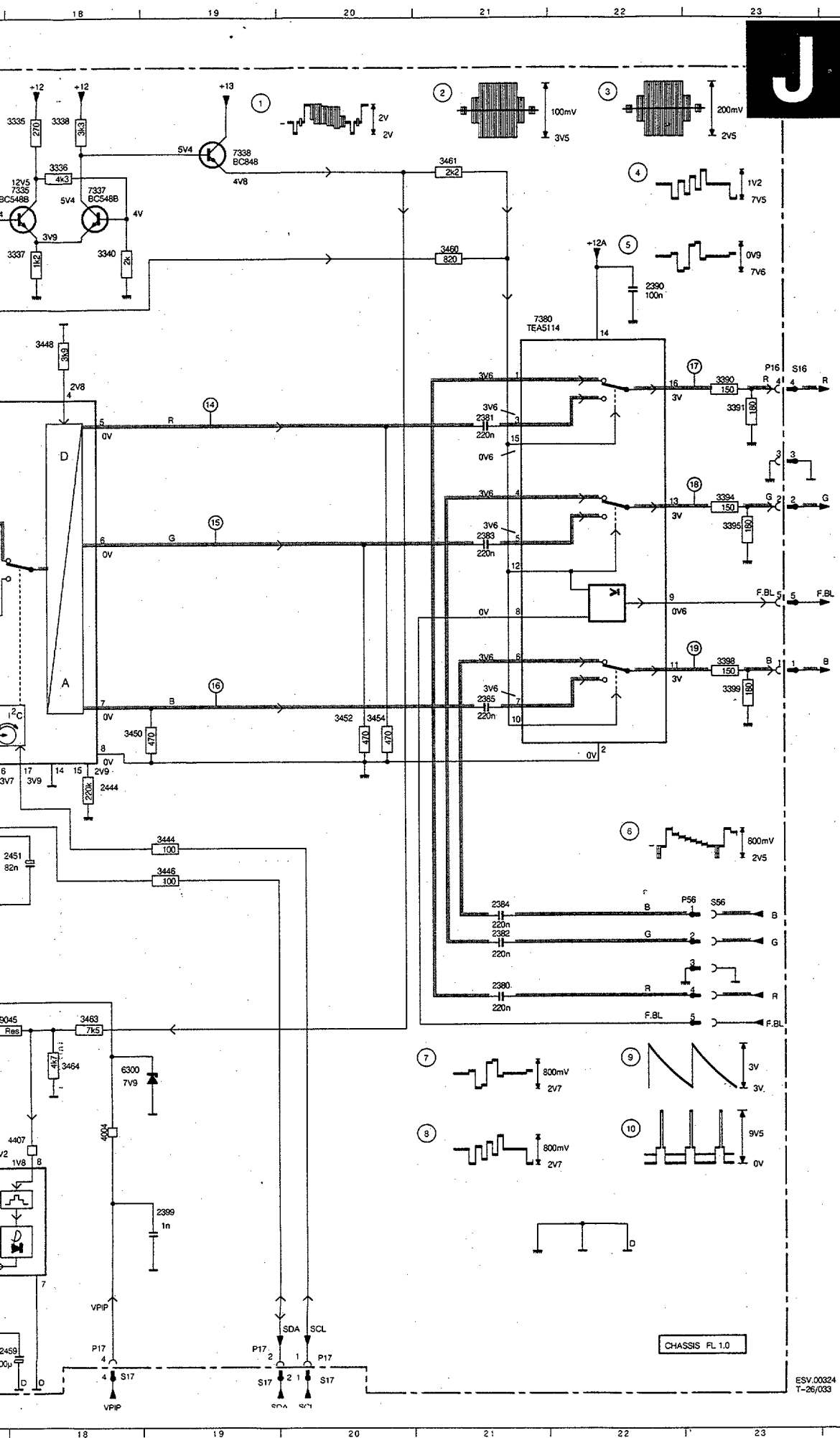




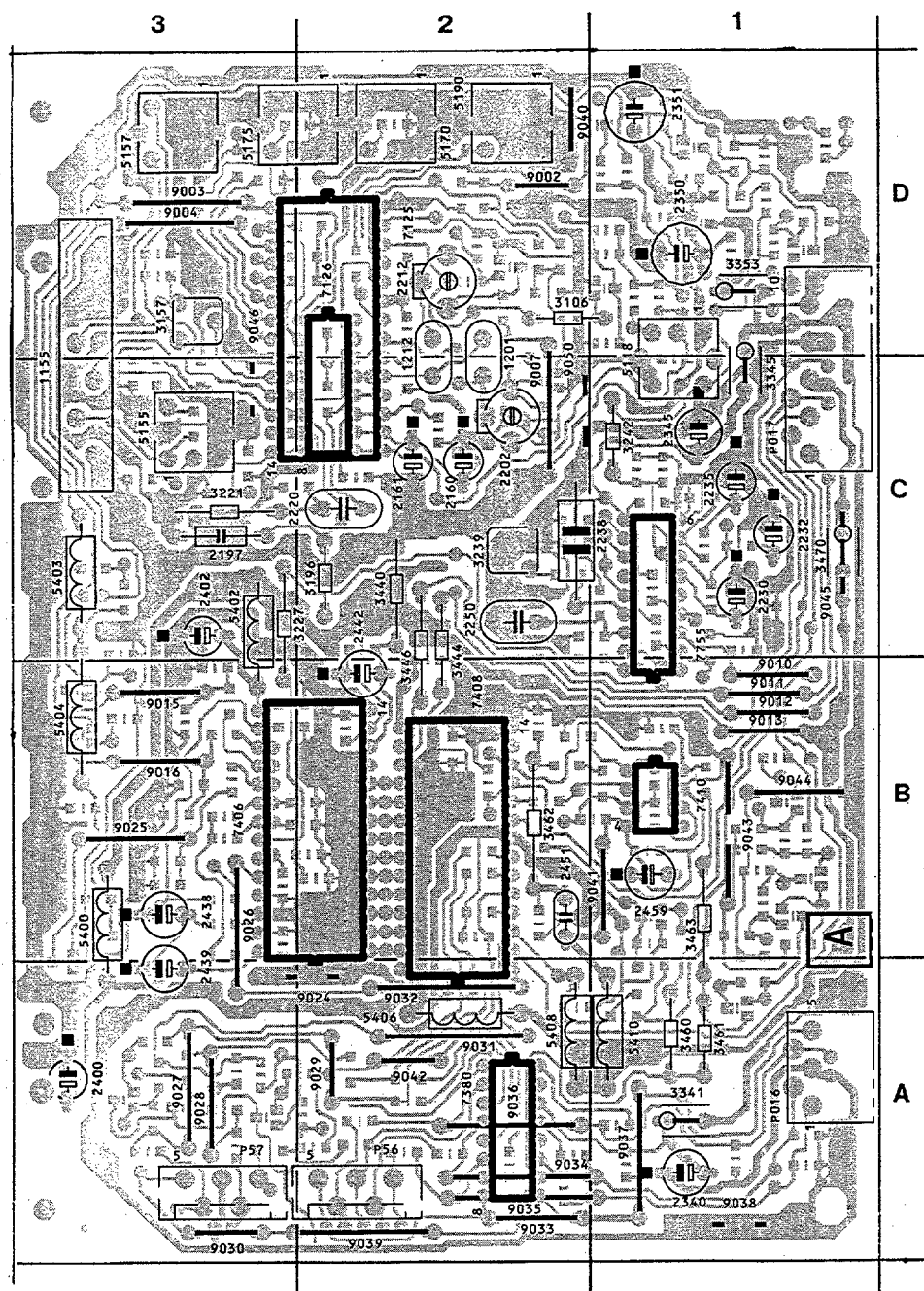






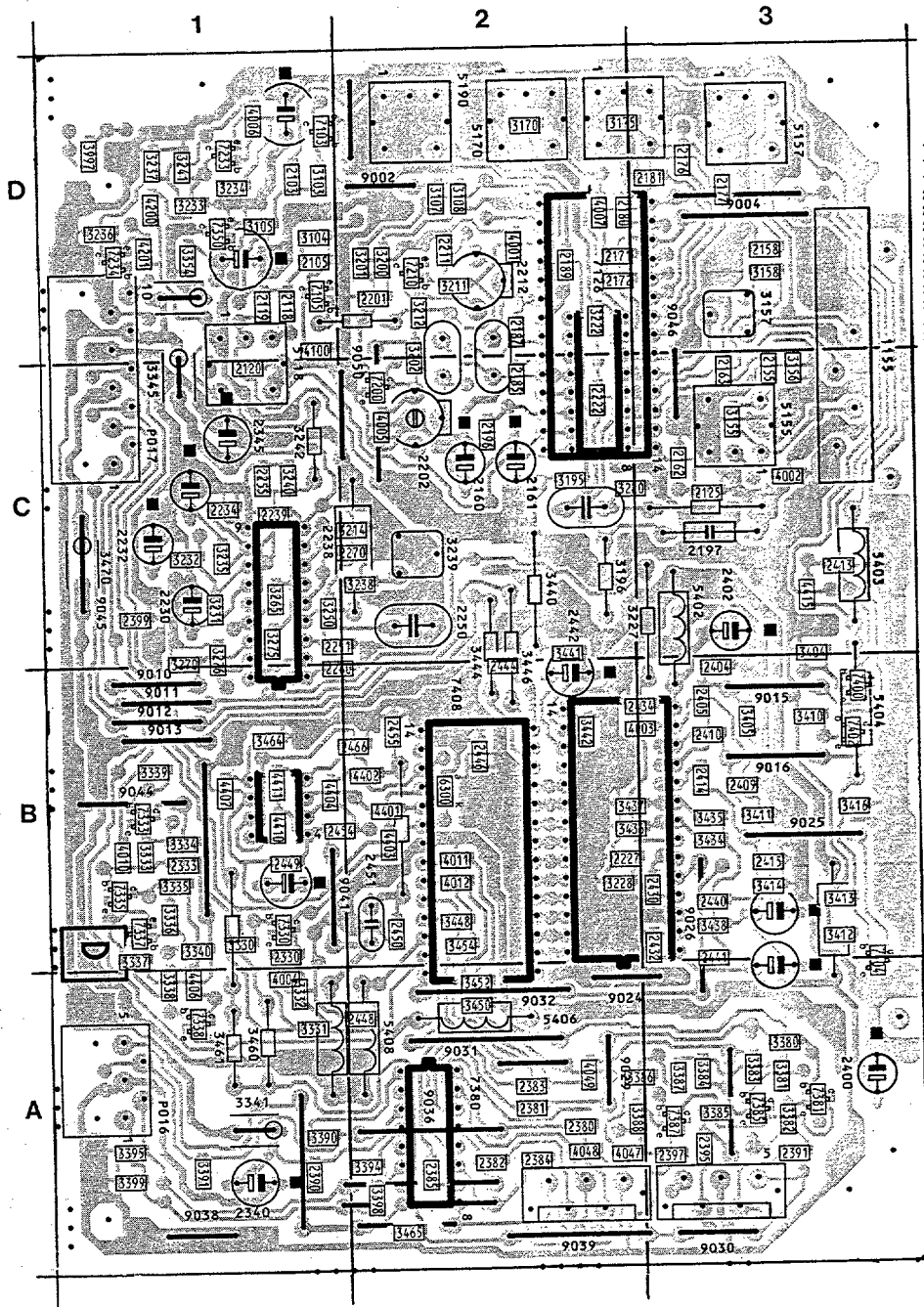


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2222 C2	3155 C3	3395 A1	5190 D2	9043 B1
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2235 C1	3175 D2	3410 B3	5406 A2	P016 A1
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2239 C1	3196 C2	3412 B3	5410 A1	P56 A2
2250 C2	3200 D2	3413 B3	6300 B2	P57 A3
2251 C1	3201 D2	3414 B3	7103 D1	
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A1 9004 D3
C2 9007 C2
D1 9010 B1
D2 9011 B1
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B2 9013 B1
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A2 9016 B3
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D1 9025 B3
D1 9026 B3
D1 9027 A3
D1 9028 A3
B2 9029 A2
B2 9030 A3
B2 9031 A2
A1 9032 A2
B1 9033 A2
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B1 9035 A2
C3 9036 A2
C3 9037 A1
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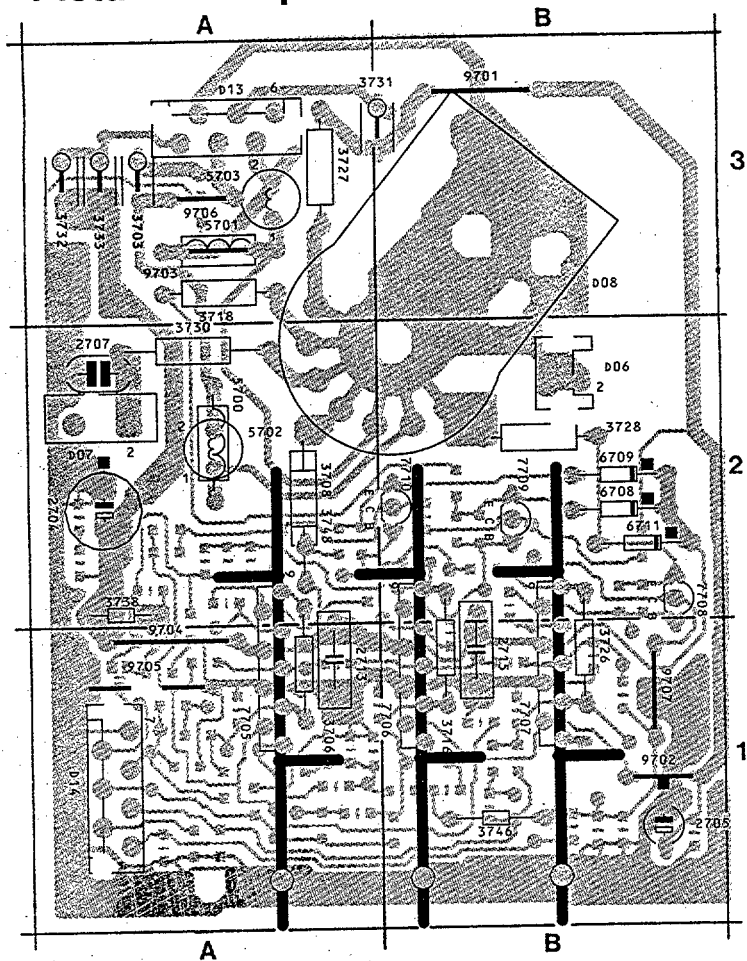
Picture tube panel

Bildröhre Platte

CHASSIS FL1.0

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6.33

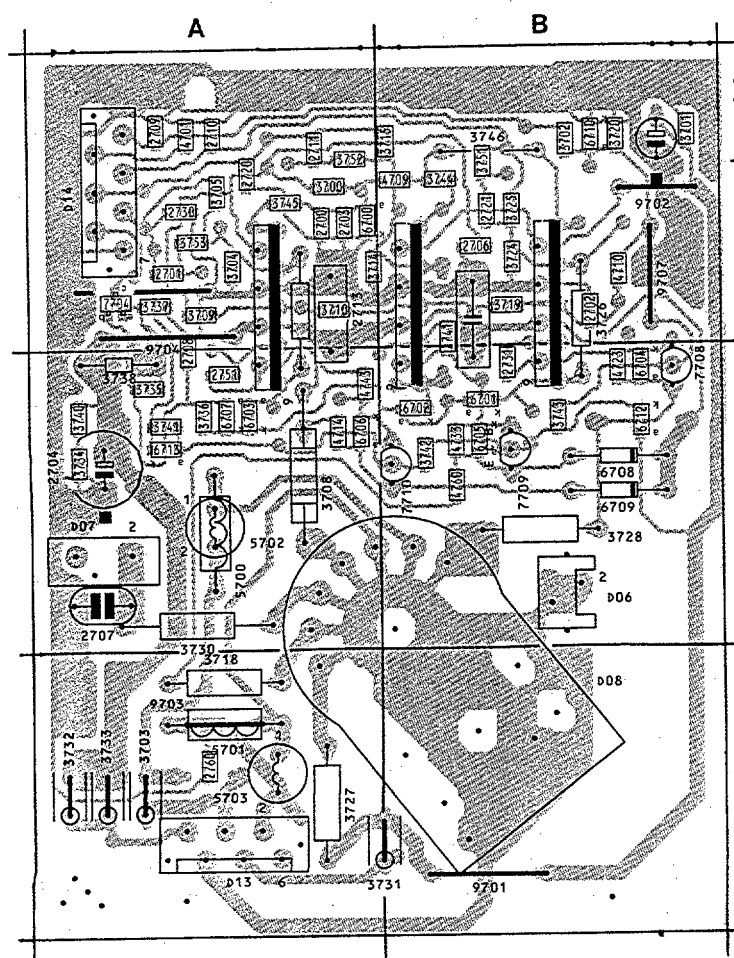


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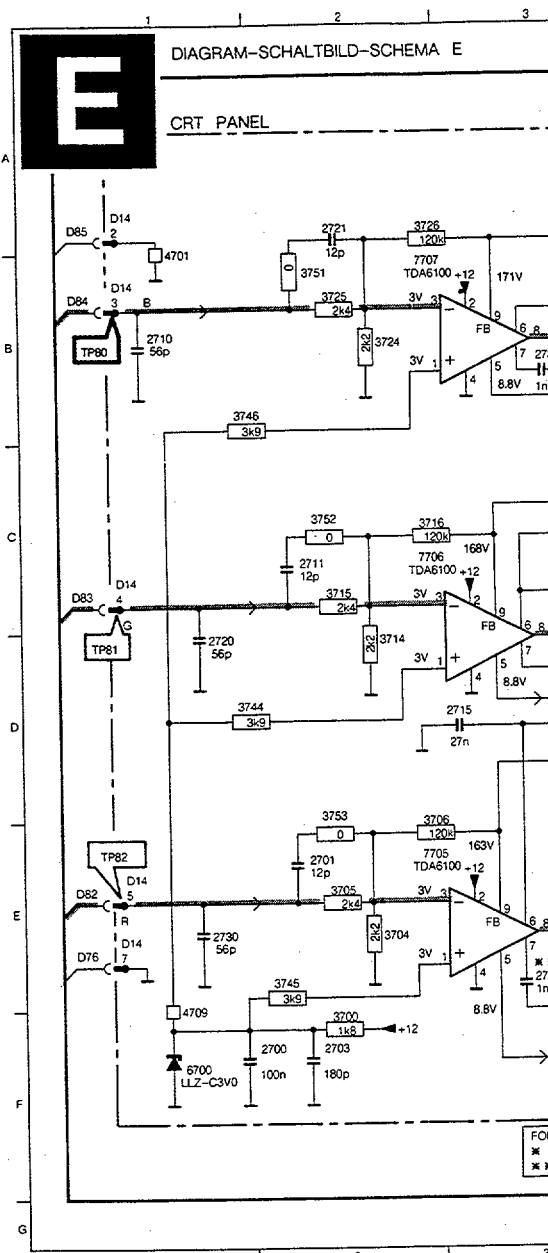
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2703-F2	2710-B1	2731-B3	3703-E7	3714-D2	3725
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2705-F7	2713-C3	2751-F3	3705-E2	3716-C2	3727
2706-F7	2715-D3	2760-F8	3706-E2	3718-D6	3728



Panneau tube cathodique

700-F2	3708-D6	3719-D4	3730-F8	3737-F5	3745-E2	4709-F1	5700-E6	6703-D3	6710-A4	7707-B3	D07-F8	D14-B1
701-E6	3709-F5	3720-B4	3731-E7	3738-E4	3746-B1	4710-B4	5701-E7	6704-B5	6711-B5	7708-B5	D08-C7	D14-F4
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703-E7	3714-D2	3725-B2	3733-B6	3741-F5	3751-B2	4723-B5	5703-E7	6706-E5	6713-E6	7710-E5	D13-B7	
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705-E2	3716-C2	3727-E7	3735-E4	3743-C5	3753-E2	4743-E4	6701-D4	6708-C5	7705-E3	9707-A5	D13-F7	
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BILD-SCHEMA E

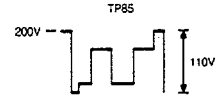
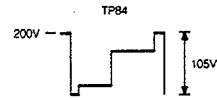
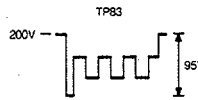
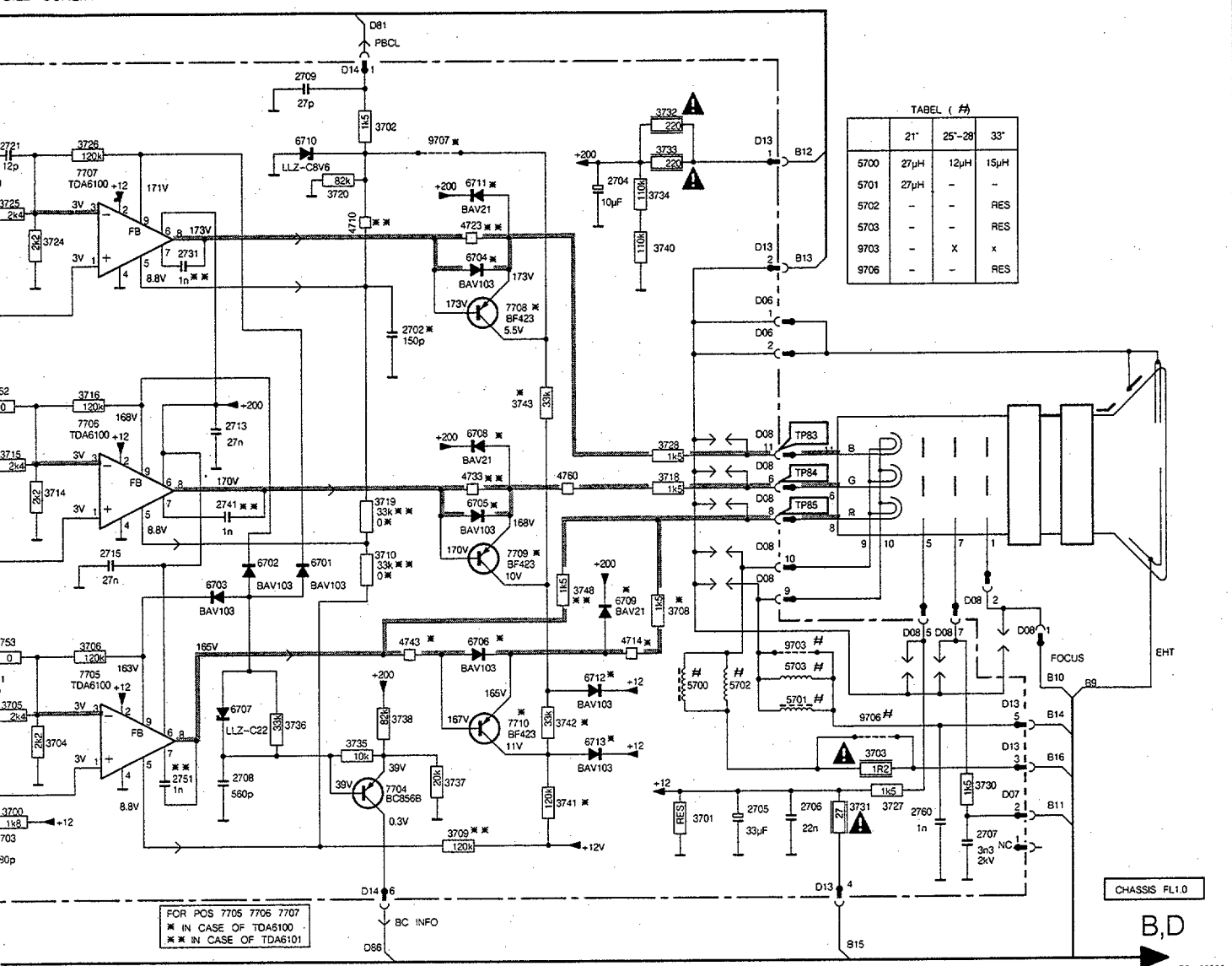
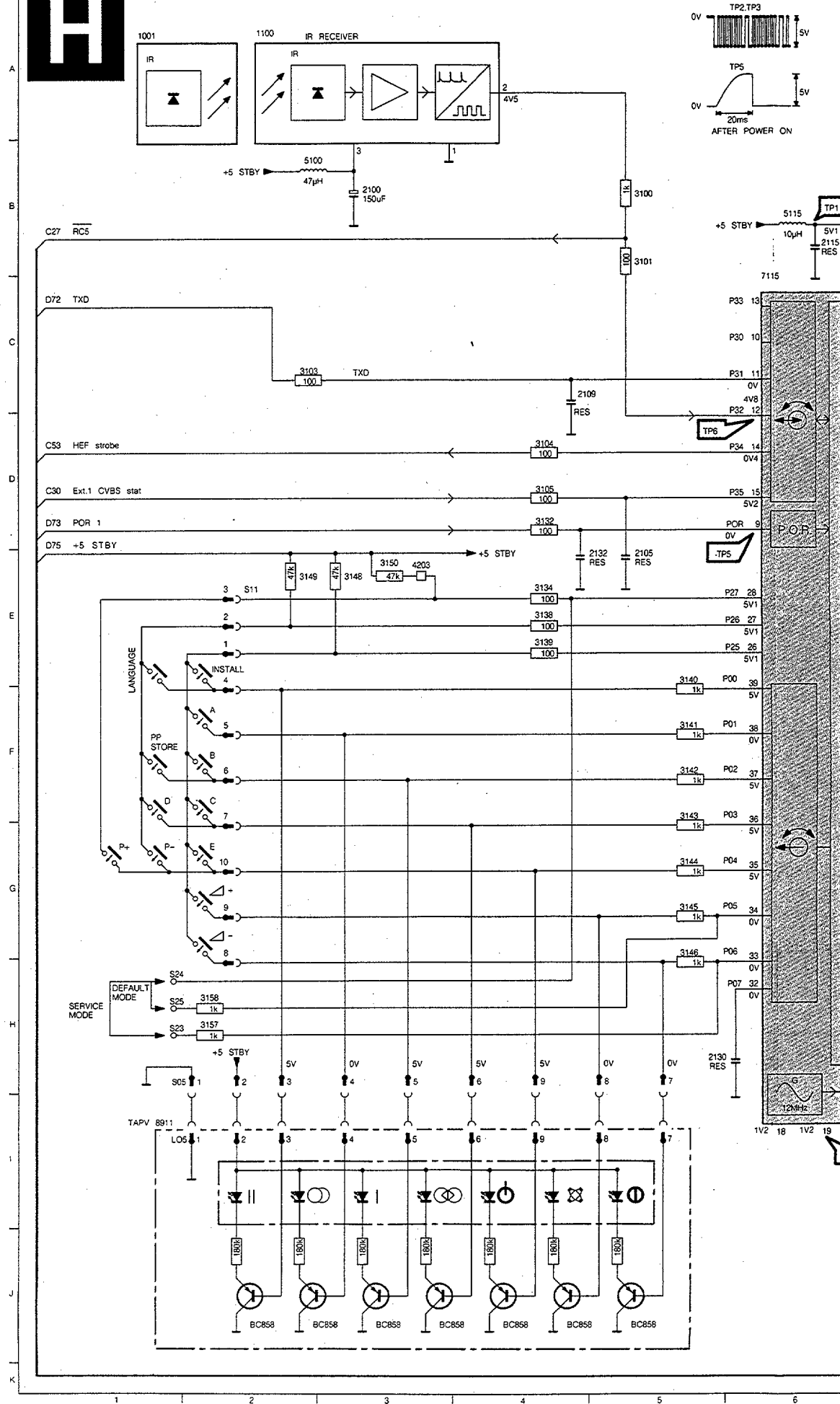
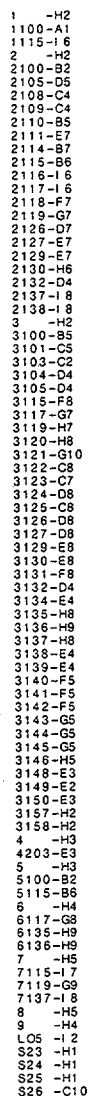




DIAGRAM-SCHALTBIID-SCHEMA-H





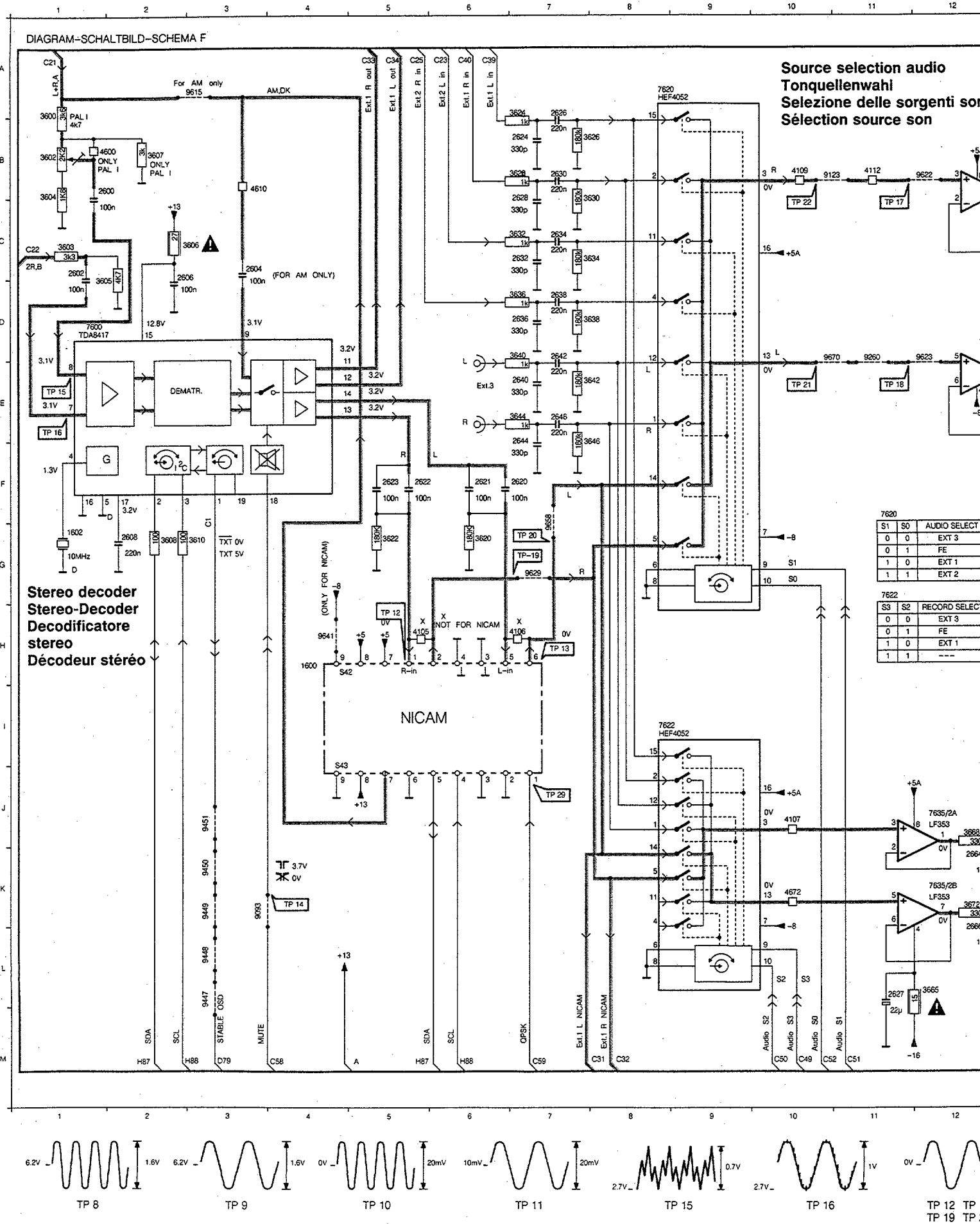
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**Memory
Speicher
Memoria
Mémoire**

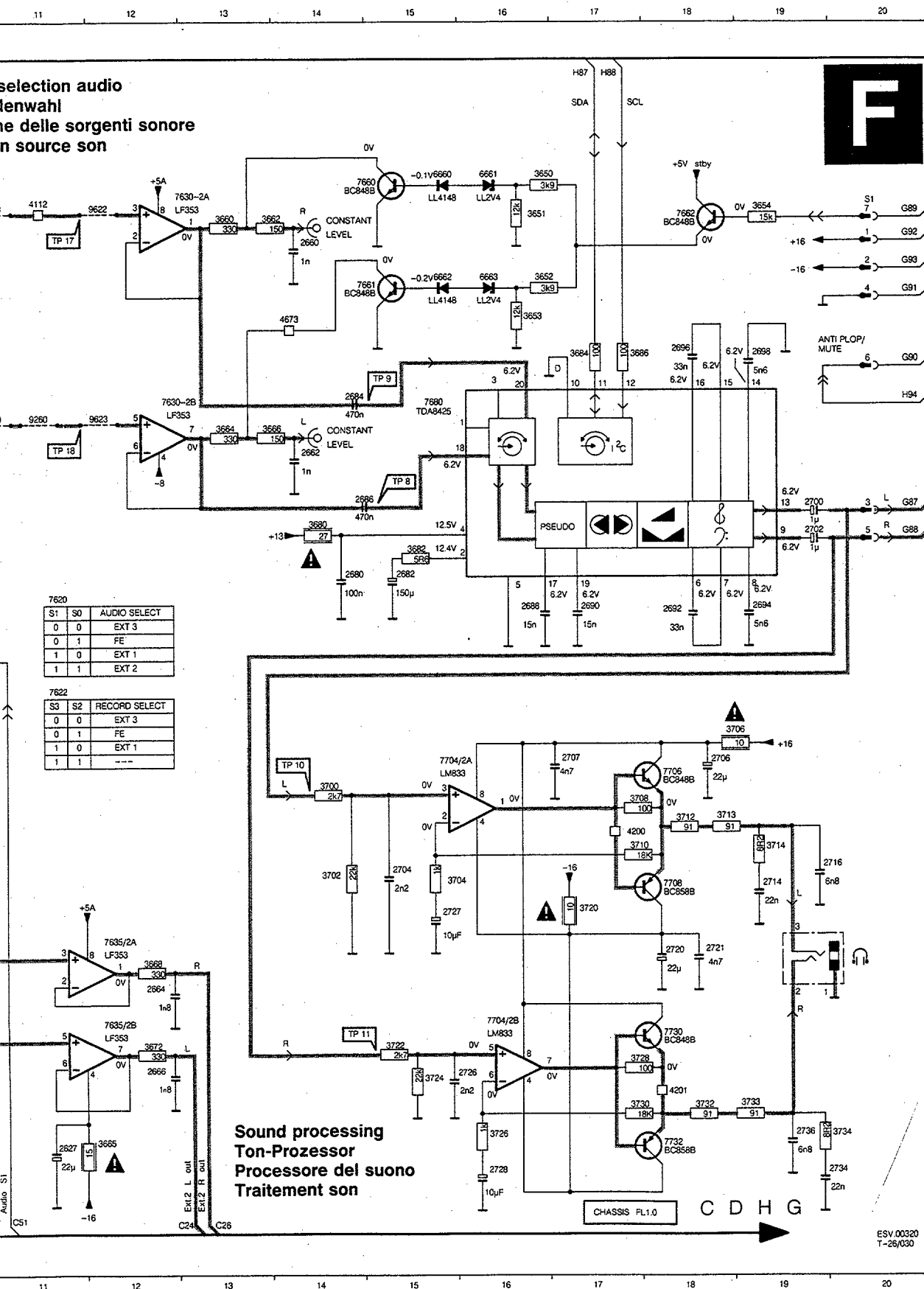
CHASSIS FL1.0

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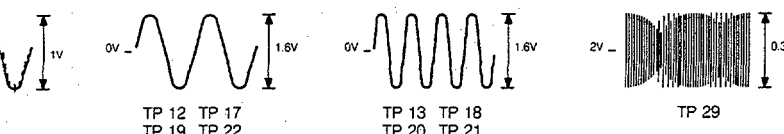
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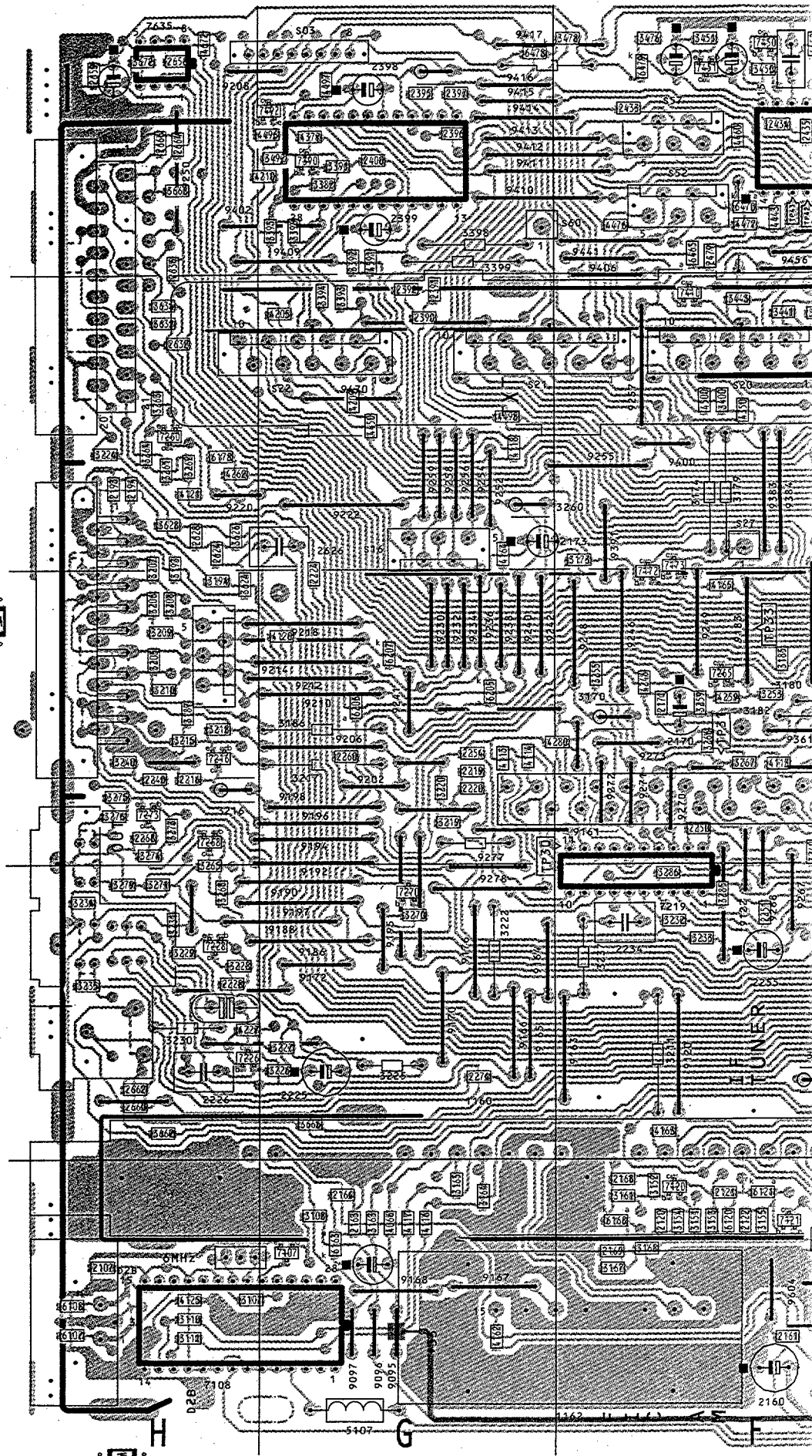


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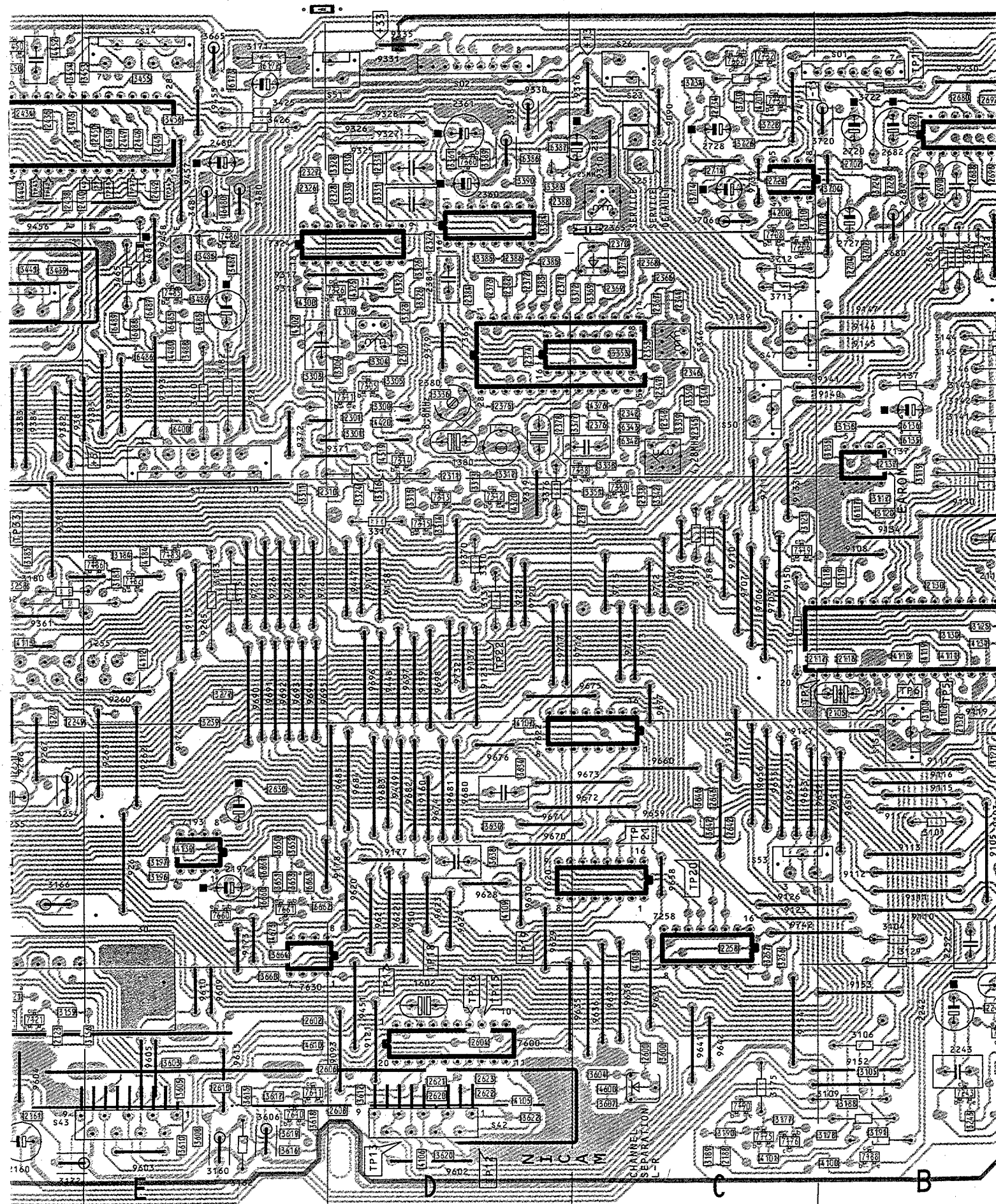


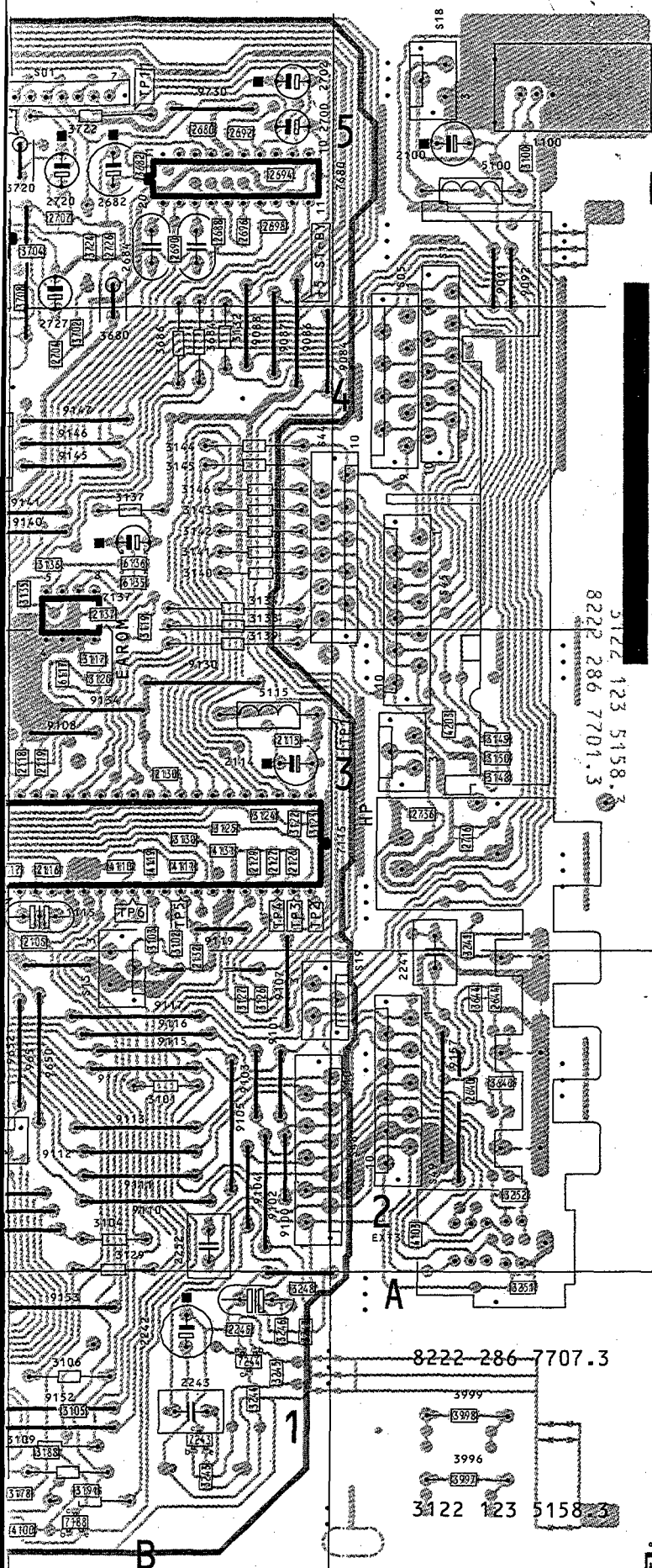
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R	B14	3666 E14
R	E6	3668 J12
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+5	H5	3680 F14
-8	E12	3682 F15
-8	G10	3684 D17
-8	G4	3686 D17
-8	L10	3700 H14
+13	C2	3702 I14
+13	F14	3704 J15
+13	J5	3706 H19
+13	L4	3708 I17
+16	H19	3710 I17
+5A	B12	3712 I18
+5A	C10	3713 I18
+5A	J10	3714 I19
+5A	J12	3720 J17
-16	I17	3722 K15
-16	M11	3724 L15
C21	A1	3726 L16
C22	C1	3728 K17
C23	A6	3730 L17
C24	M13	3732 L18
C25	A5	3733 L19
C26	M13	3734 L20
C31	M8	4105 H5
C32	M8	4106 H7
C33	A5	4107 J10
C34	A5	4109 B10
C39	A6	4112 B11
C40	A6	4200 I17
C49	M10	4201 L18
C50	M10	4600 B2
C51	M11	4610 B3
C52	M10	4672 K10
C58	M4	4673 C14
C59	M7	6660 B15
O79	M3	6661 B16
H87	A17	6662 C15
H87	M2	6663 C16
H87	M6	7600 D1
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H88	M6	7660 B15
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2640	E7	+5V s B13
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2644	F7	7630/2
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2662	E12	7704/ H15
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2666	L12	
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2682	F15	
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2686	E15	
2688	G16	
2690	G17	
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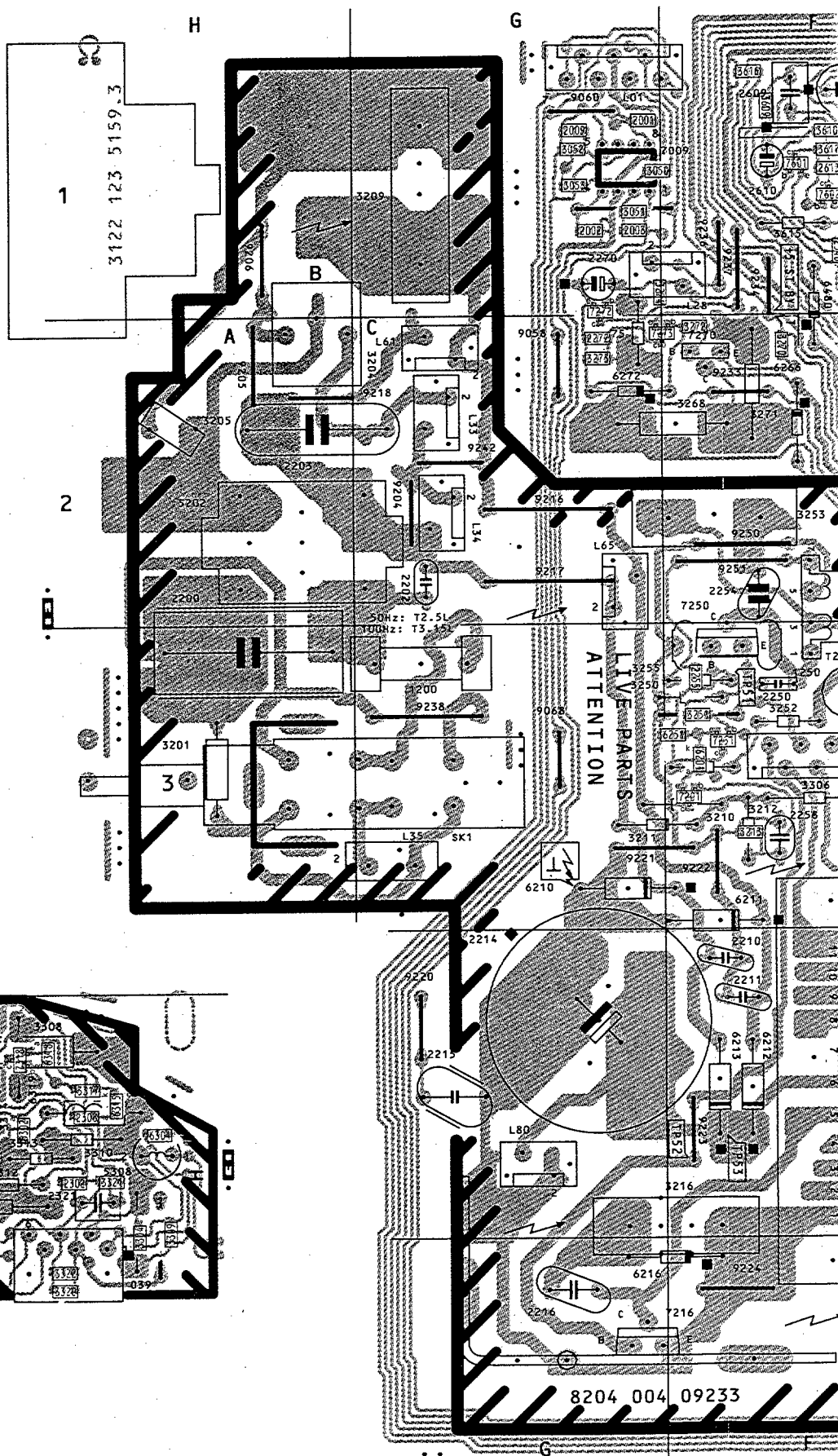


Carte à petite signaux

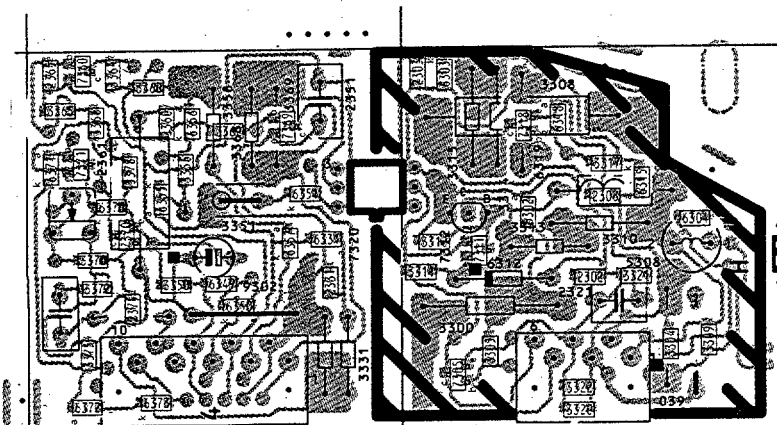


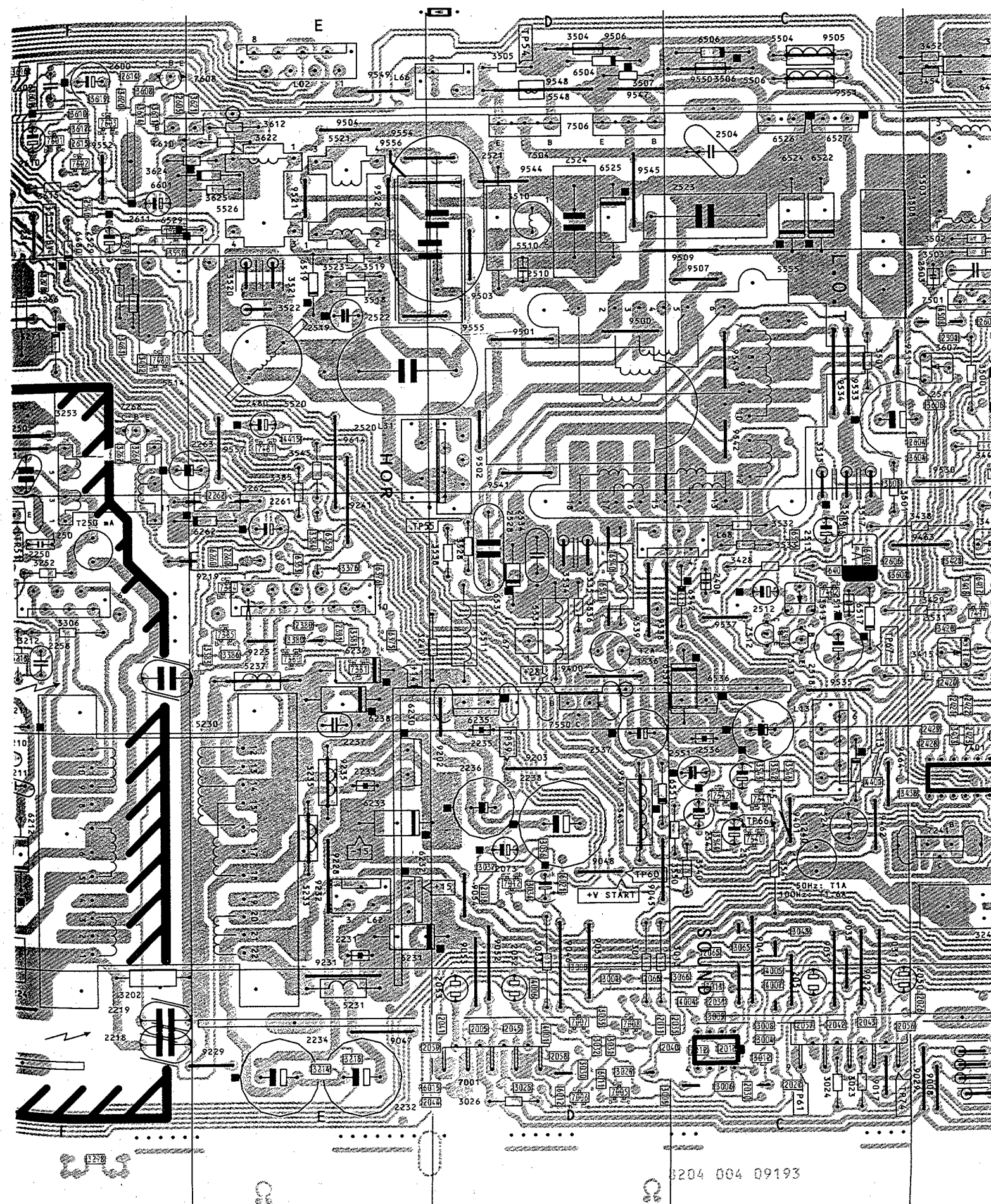


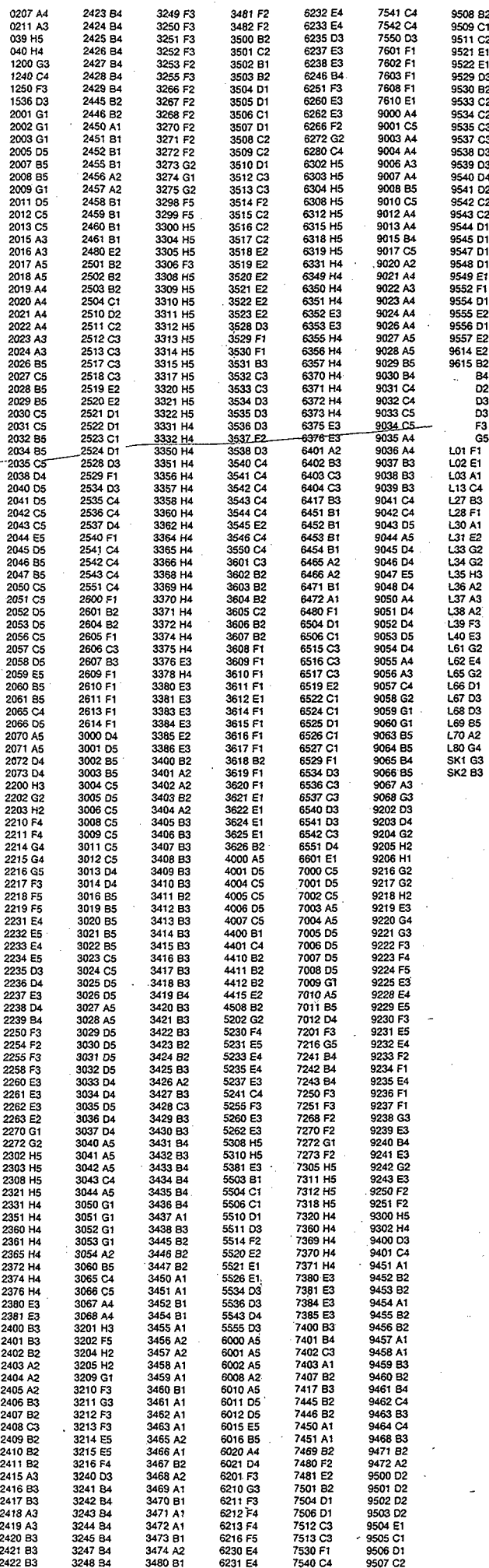
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2255 F2	2721 C5	3242 B1	3608 E1	5107 G1	9101 B2	9278 G2	9714 C3
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2395 G5	3160 E1	3334 C4	3738 C5	7189 B1	9175 E3	9430 F5	S45 F4
2396 G5	3161 F1	3335 C4	3739 C5	7190 C1	9176 G2	9431 F5	S46 F4
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SOPS Control panel



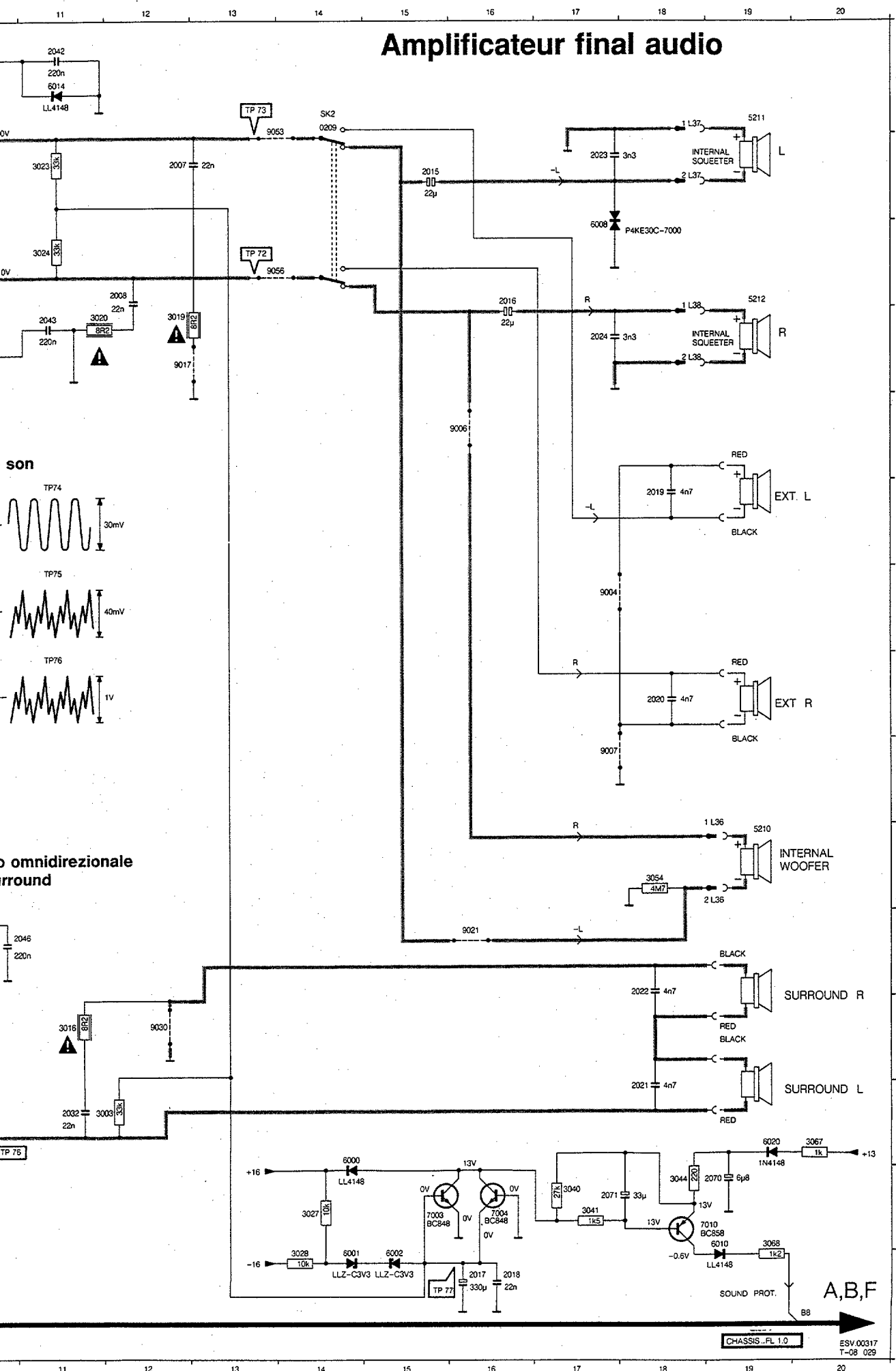




6.45



Amplificateur final audio



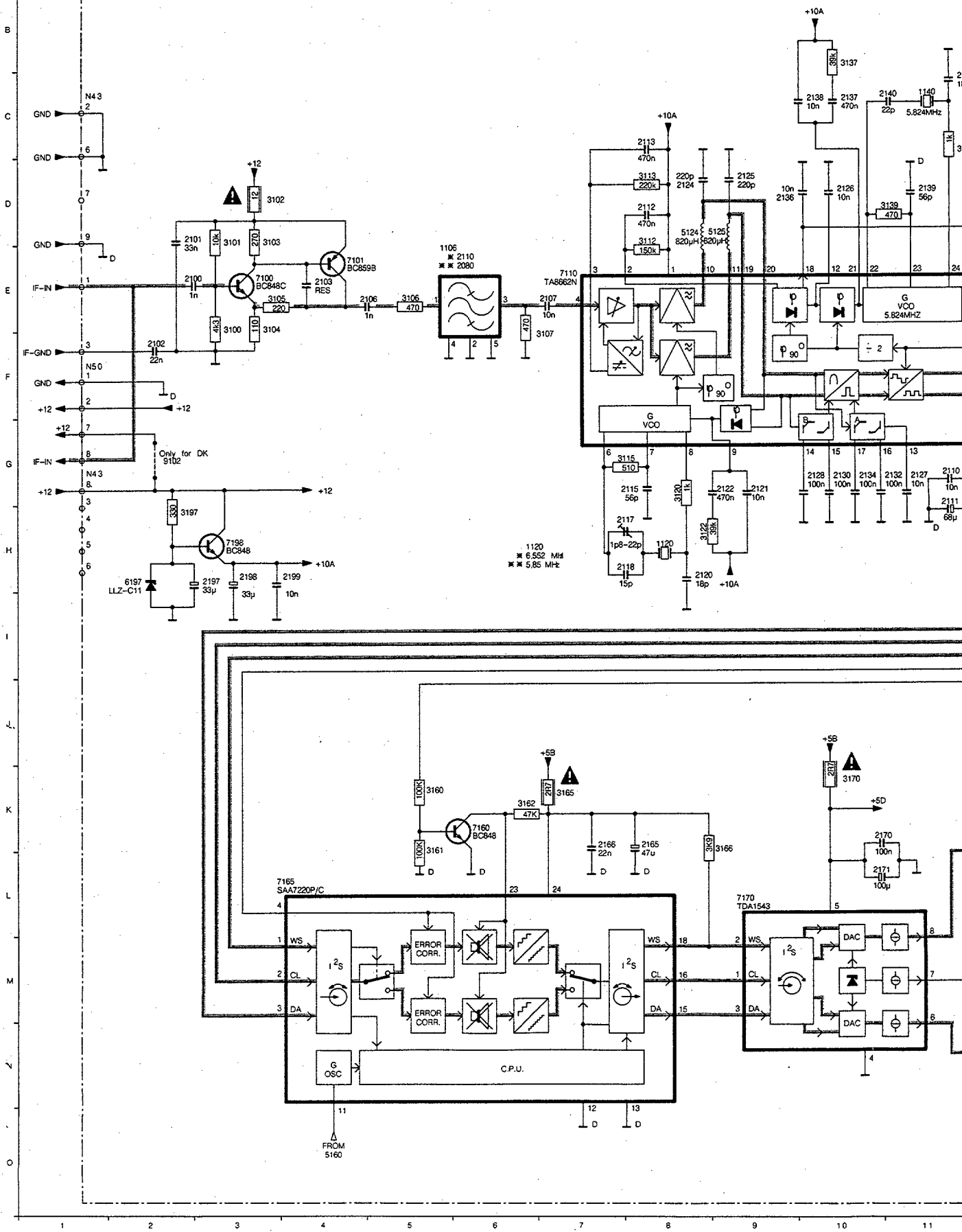
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	3009 J5	
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	3053 E3	
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	3065 C6	
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	3067 M20	
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	6000 M14	
	6001 O14	
	6002 O15	
	6008 C17	
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	6011 M3	
	6012 K3	
	6013 A11	
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	7000 A8	
	7002 G3	
	7003 N15	
	7007 N16	
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	7006 K2	
	7007 K4	
	7008 M8	
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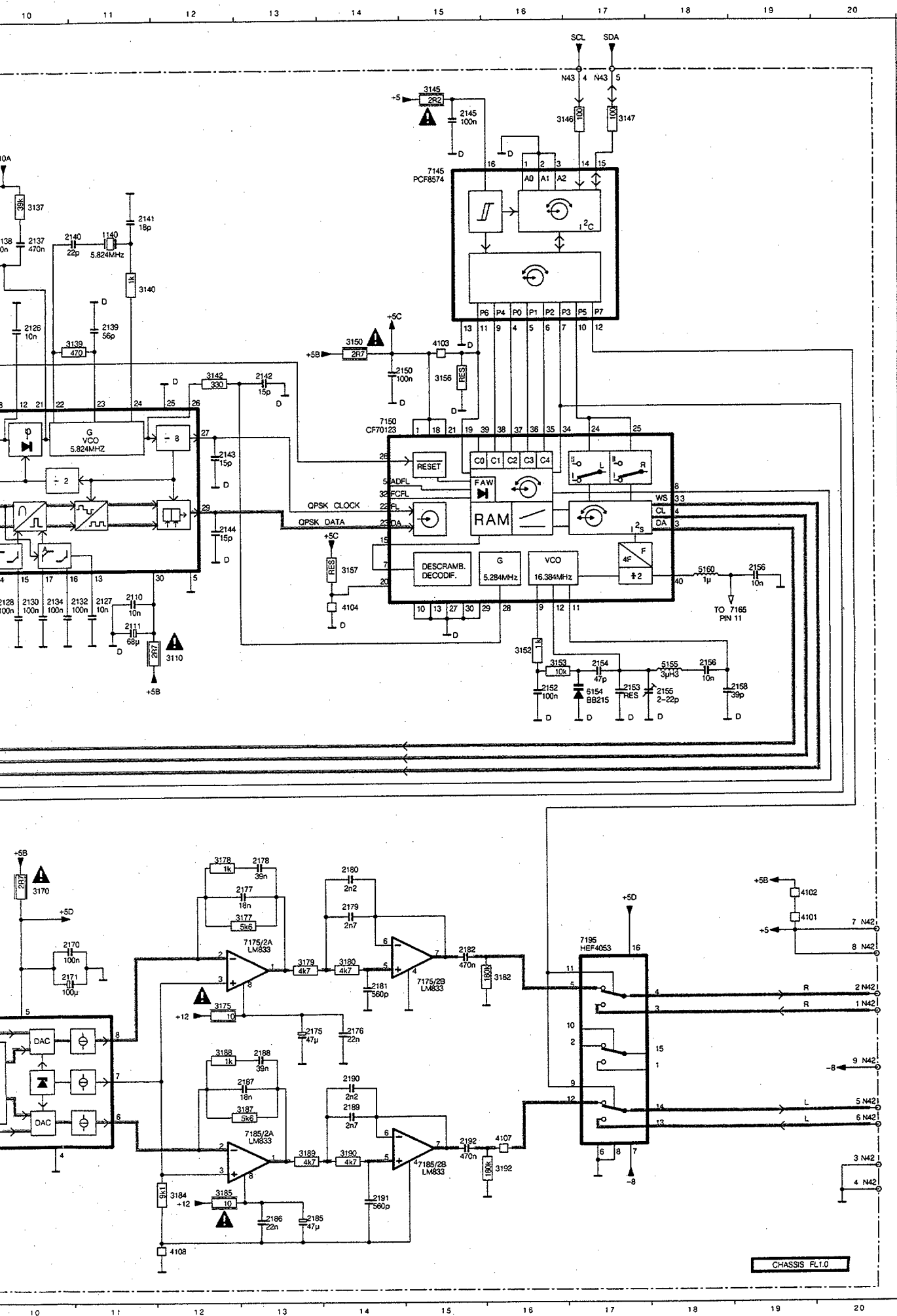
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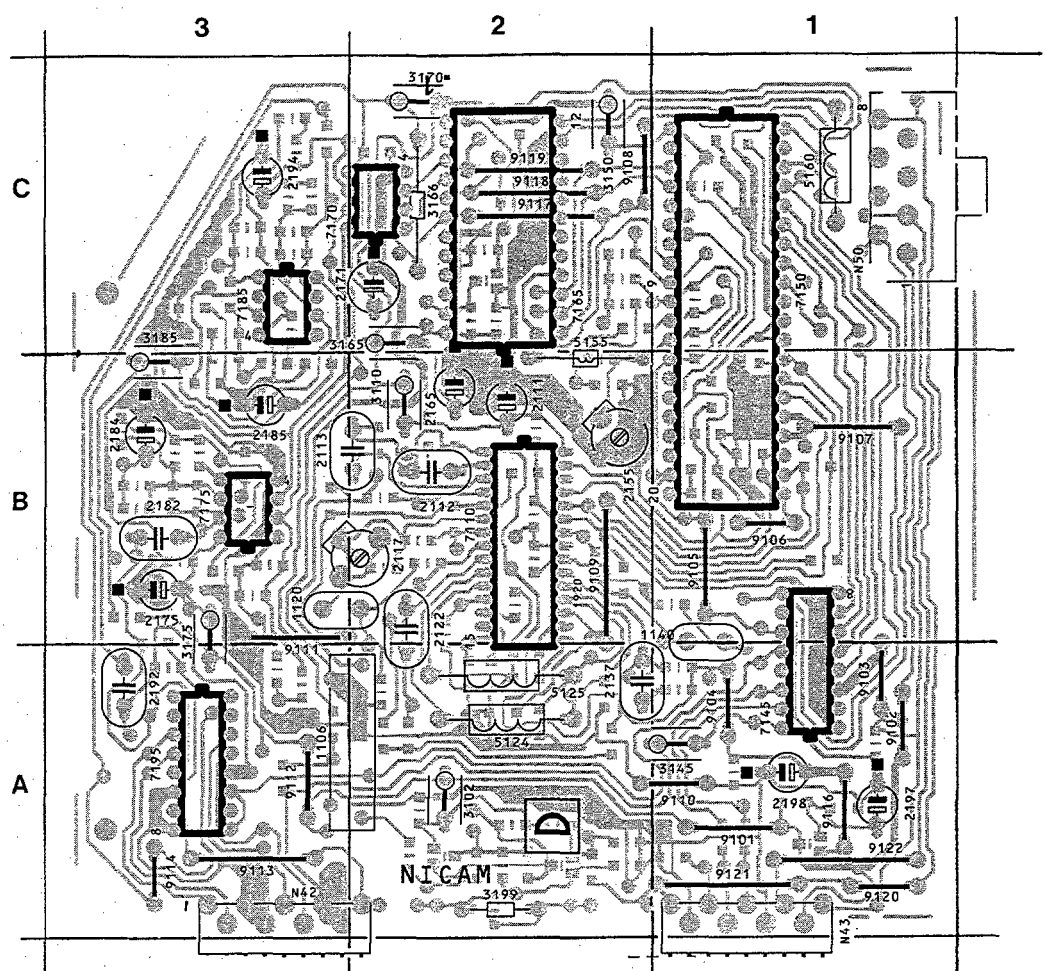
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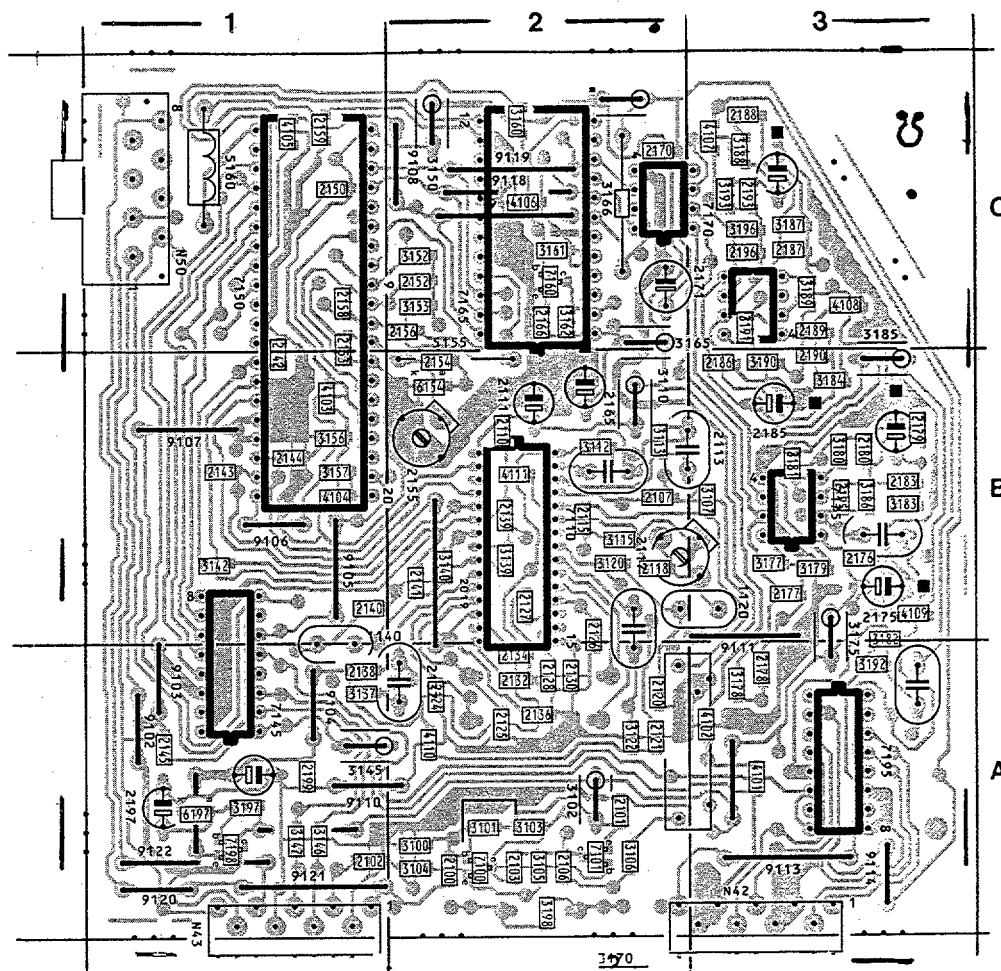




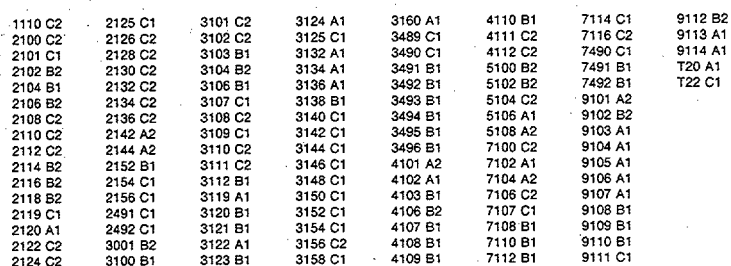
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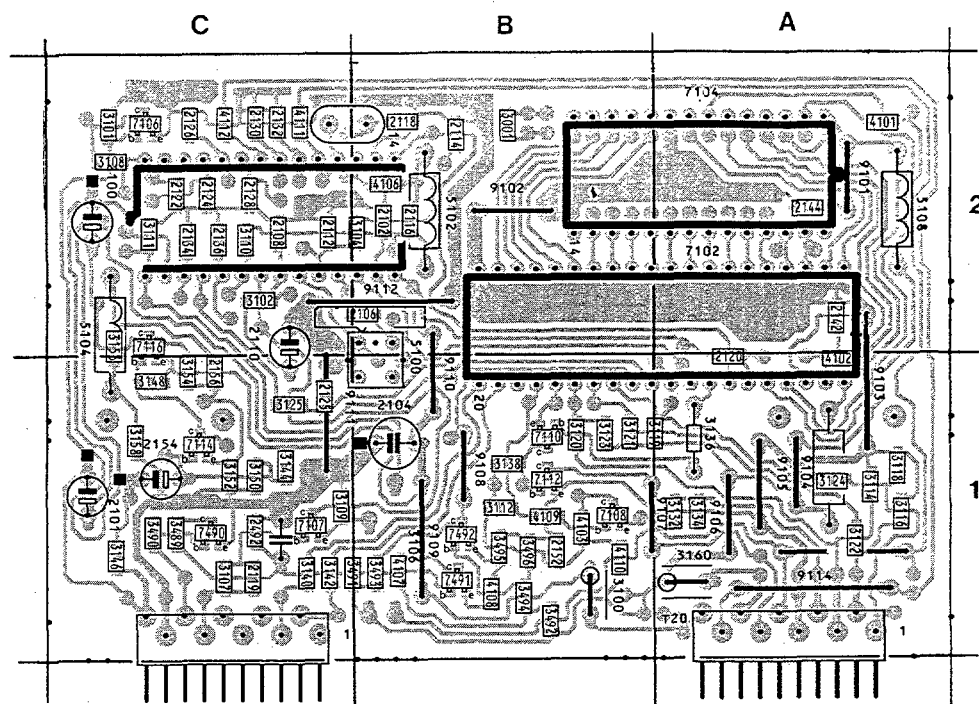


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2102 A1	2126 B2	2150 C1	2179 B3	2195 B3	3115 B2	3161 C2	3187 C3	4106 C2	7150 C1	9109 B2	
2103 A2	2127 B2	2152 C2	2180 B3	2196 C3	3120 B2	3162 C2	3188 C3	4107 C3	7160 C2	9110 A1	
2106 A2	2128 A2	2153 C1	2181 B3	2197 A1	3122 A2	3165 C2	3189 C3	4108 C3	7165 C2	9111 B3	
2107 B2	2130 A2	2154 B2	2182 B3	2198 A1	3137 A1	3166 C2	3190 B3	4109 B3	7170 C2	9112 A3	
2110 B2	2132 A2	2155 B2	2183 B3	2199 A1	3139 B2	3170 C2	3191 C3	4110 A2	7175 B3	9113 A3	
2111 B2	2134 A2	2156 C2	2184 B3	3100 A2	3140 B2	3175 B3	3192 A3	4111 B2	7185 C3	9114 A3	
2112 B2	2136 A2	2158 C1	2185 B3	3101 A2	3142 B1	3177 B3	3193 C3	5124 A2	7195 A3	9116 A1	
2113 B2	2137 A2	2159 C1	2186 B3	3102 A2	3145 A1	3178 A3	3196 C3	5125 A2	7198 A1	9117 C2	
2115 B2	2138 A1	2165 B2	2187 C3	3103 A2	3146 A1	3179 B3	3197 A1	5155 B2	9101 A1	9118 C2	
2117 B3	2139 B2	2166 C2	2188 C3	3104 A2	3147 A1	3180 B3	3198 A2	5160 C1	9102 A1	9119 C2	
2118 B2	2140 B1	2170 C2	2189 C3	3105 A2	3150 C2	3181 B3	3199 A2	6154 B2	9103 A1	9120 A1	

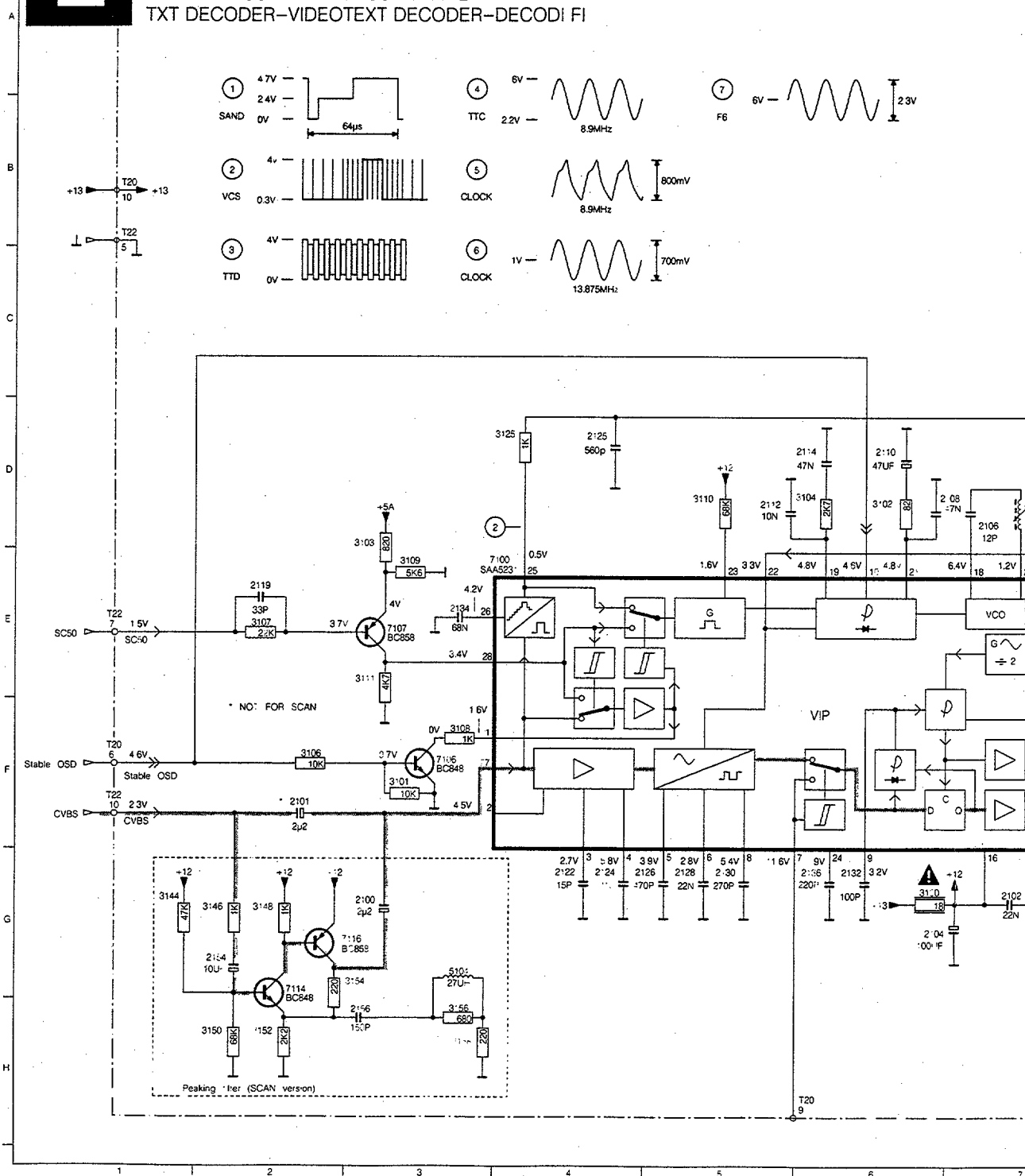


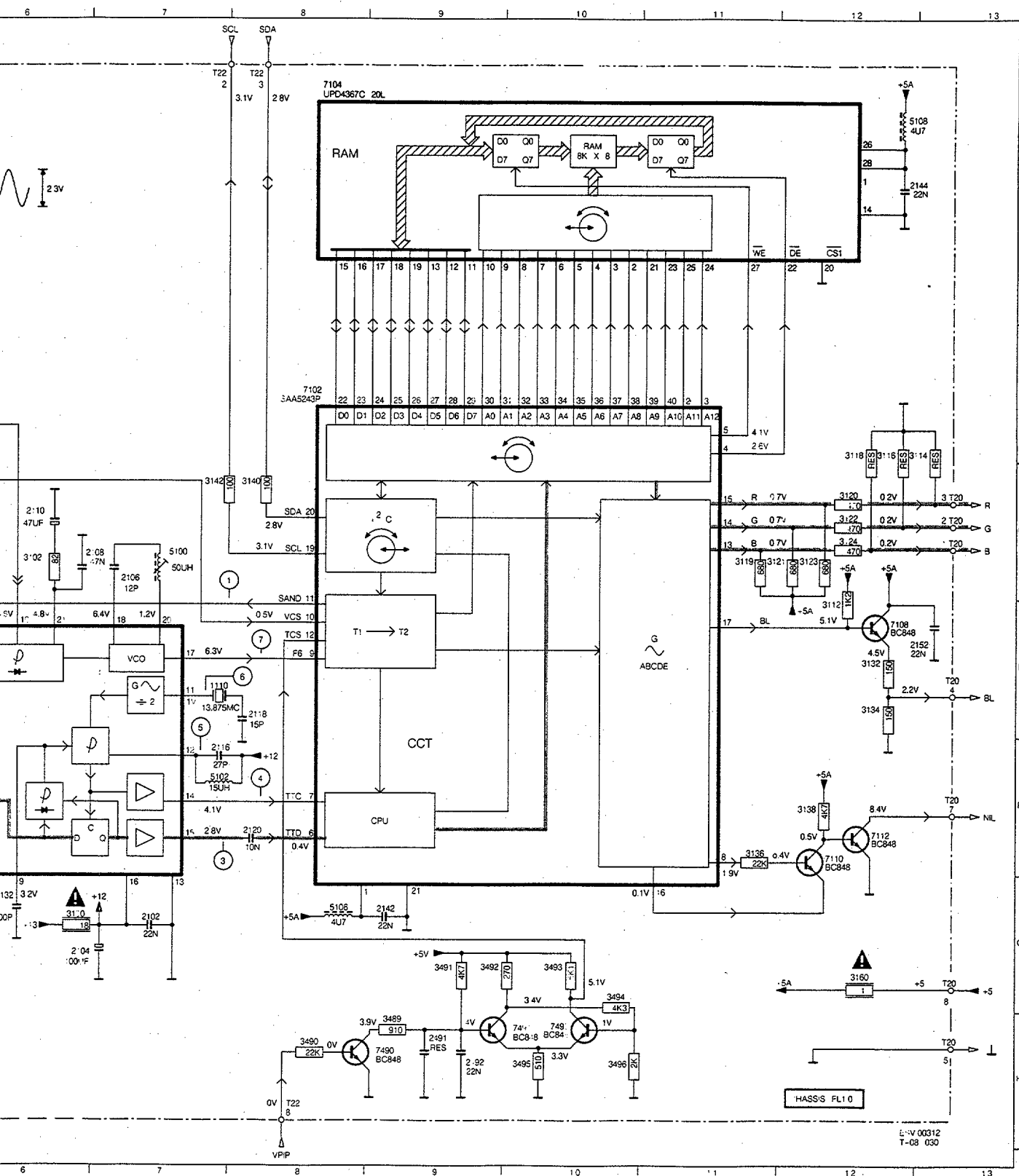


1110 C2	2125 C1	3101 C2	3124 A1	3160 A1	4110 B1	7114 C1	9112 B2
2100 C2	2126 C2	3102 C2	3125 C1	3489 C1	4111 C2	7116 C2	9113 A1
2101 C1	2128 C2	3103 B1	3132 A1	3490 C1	4112 C2	7490 C1	9114 A1
2102 B2	2130 C2	3104 B2	3134 A1	3491 B1	5100 B2	7491 B1	T20 A1
2104 B1	2132 C2	3106 B1	3136 A1	3492 B1	5102 B2	7492 B1	T22 C1
2106 B2	2134 C2	3107 C1	3138 B1	3493 B1	5104 C2	9101 A2	
2108 C2	2136 C2	3108 C2	3140 C1	3494 B1	5106 A1	9102 B2	
2110 C2	2142 A2	3109 C1	3142 C1	3495 B1	5108 A2	9103 A1	
2112 C2	2144 A2	3110 C2	3144 C1	3496 B1	7100 C2	9104 A1	
2114 B2	2152 B1	3111 C2	3146 C1	4101 A2	7102 A1	9105 A1	
2116 B2	2154 C1	3112 B1	3148 C1	4102 A1	7104 A2	9106 A1	
2118 B2	2156 C1	3119 A1	3150 C1	4103 B1	7106 C2	9107 A1	
2119 C1	2491 C1	3120 B1	3152 C1	4106 B2	7107 C1	9108 B1	
2120 A1	2492 C1	3121 B1	3154 C1	4107 B1	7108 B1	9109 B1	
2122 C2	3001 B2	3122 A1	3156 C2	4108 B1	7110 B1	9110 B1	
2124 C2	3100 B1	3123 B1	3158 C1	4109 B1	7112 B1	9111 C1	

L

DIAGRAM-SCHALTBILD-SCHEMA L TXT DECODER-VIDEOTEXT DECODER-DECODI FI





2100-G3
2101-F2
2102-G7
2104-G7
2106-D7
2108-D6
2110-D6
2112-D5
2114-D6
2116-F7
2118-E8
2119-E2
2120-F8
2122-G4
2124-G4
2125-D4
2126-G5
2128-G5
2130-G5
2132-G6
2134-E3
2136-G6
2142-G9
2144-B12
2152-E13
2154-G2
2156-H2
2491-H9
2492-H9
3100-G7
3101-F3
3102-D6
3103-E3
3104-D6
3105-F2
3107-E2
3108-F3
3109-E3
3110-D6
3111-F3
3112-E2
3114-D13
3116-D12
3118-D12
3119-D11
3120-D12
3121-D12
3122-D12
3123-D12
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3141-D12
3142-D12
3143-D12
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3147-D12
3148-D12
3149-D12
3150-D12
3151-D12
3152-D12
3153-D12
3154-D12
3155-D12
3156-D12
3157-D12
3158-D12
3159-D12
3160-D12

LC-V 00312
T-08 030

ELECTRICAL SETTINGS

- * Unless stated otherwise, the supply voltage used is:
220 - 240V $\pm$ 10%
50 - 60Hz $\pm$ 5%
- * Warming-up time $\approx$ 20 minutes
- * Voltages and oscillograms are measured in relation to tuner earth. **Never** use the cooling plates as earth.

A. ELECTRICAL SETTINGS ON THE LARGE SIGNAL PANEL

1. +141V supply voltage

Supply the mains voltage; this must be isolated from the mains.

Connect a voltmeter over C2238.

Using R3371, on the SOPS DRIVE CIRCUIT (fig. 7.1) set the supply voltage to + 141V $\pm$ 0.5V.

2. Focusing

This is set using the focusing potentiometer (at the top on the line output transformer).

3. Vg2 setting

Supply an aerial signal.

Set the contrast to maximum and the brightness and saturation to nominal.

Using an oscilloscope set to field frequency, measure the direct voltage level of the measurement pulse (fig. 7.2) on pin 9 of IC7705, IC7706 and IC7707 in relation to earth. Now set the highest found direct voltage level using the Vg2 potentiometer (on the bottom on the line output transformer) to 150V $\pm$ 2V.

Note: probe Ri > 10M Ω ; Ci < 3.5pF

4. Horizontal synchronization

Connect point 5-IC7400 briefly to point 9-IC7400.

Supply an aerial signal and set the receiver.

Adjust potentiometer R3406 until the picture is straight.

Break the through connection.

5. Horizontal centring

Set using potentiometer R3513.

6. Picture width

Set using potentiometer R3607.

7. Vertical centring

Set using potentiometer R3467.

8. Picture height

Set using potentiometer R3410.

9. East/West correction

Set using potentiometer R3602.

B. ELECTRICAL SETTINGS ON THE SMALL SIGNAL PANEL

- * Note: For all measurements it is true that:
probe Ri > 1M Ω ; Ci < 10pF

1. Stereo audio channel separation

Connect a signal generator with a 2 carrier stereo signal ("stereo" mode).

Select 1kHz for the right-hand channel and switch off the sound for the left-hand channel.

Connect an oscilloscope to pin 3 of Euroconnector EXT1 Using R3602 on the small signal panel, set the amplitude of the signal to minimum amplitude.

2. 4.43 MHz chroma suppression circuit

Supply a colour bar signal. Connect an oscilloscope to point 17 of IC7324 and set L5305 to minimum amplitude of the chrominance signal.

3. SECAM 4.28 MHz clock filter (units with TDA4650)

Supply a 4.28 MHz generator signal.

Connect point 27-IC7365 briefly to point 13-IC7365.

Connect an oscilloscope to point 15 of IC7365.

Set L5345 to maximum amplitude.

Remove the short circuit.

4. PAL 4.43 MHz (units with TDA4510)

Supply a 4.43 MHz generator signal.

Connect an oscilloscope to point 9 of IC7364.

Set L5345 to minimum amplitude.

5. 4.50 MHz NTSC sound suppression

Connect a generator to point 20 of Euroconnector EXT1 with a frequency of 4.50 MHz and 200mV_{rms}.

Connect point 26-IC7365 briefly to point 13-IC7365.

Connect an oscilloscope to point 15 of IC7365.

Set L5346 to minimum amplitude.

Remove the short circuit.

6. 6.50 MHz SECAM DK sound suppression

Connect a sine-wave generator to point 20 of Euroconnector EXT1 with a frequency of 6.50 MHz and 200mV_{rms}.

Connect point 28-IC7365 briefly to point 13-IC7365.

Connect an oscilloscope to point 15 of IC7365.

Set L5346 to minimum amplitude.

Remove the short circuit.

7. 8.87 MHz PAL/SECAM chroma oscillator

Connect a pattern generator and supply a PAL colour bar signal.

Connect point 17-IC7365 briefly to earth.

Connect the X-input of the oscilloscope to point 1-IC7365.

Connect the Y-input of the oscilloscope to point 3-IC7365.

Set the oscilloscope to the X-Y position.

Set C2380 so that the oscilloscope picture is as stable as possible.

Remove the short circuit.

8. 7.16 MHz NTSC chroma oscillator

Connect a pattern generator and supply an NTSC M colour bar signal.

Connect point 17-IC7365 briefly to earth.

Connect the X-input of the oscilloscope to point 1-IC7365.

Connect the Y-input of the oscilloscope to point 3-IC7365.

Set the oscilloscope to the X-Y position.

Set C2379 so that the oscilloscope picture is as stable as possible.

Remove the short circuit.

9. SECAM demodulators

Connect a pattern generator and supply a SECAM signal without contents (black).

Connect point 27-IC7365 briefly to point 13-IC7365.

Connect an oscilloscope to point 3-IC7365.

Using L5370, set the DC level during the pull-back the same as the DC level during the flyback.

Set R3370 in the same way, but now measure at point 1-IC7365.

C. WHI OPT

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In order
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short-circ
The follow
Mode:

SERVICE
a options
b green X
c blue XX

2. Option

The opti
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PAL BG

X
X
X
X

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C. WHITE CONTROL R, G, B AND
OPTIONS

These service settings are made in the **Service Mode** and can be carried out using a remote control.

In order to set the unit to the Service Mode, pins S23 and S24 on the small signal panel (fig. 7.1) must be short-circuited briefly.
The following menu appears on the screen in the Service Mode:

SERVICE YY-MM-DD
a options XXX
b green XXX
c blue XXX

Here "YY-MM-DD" is the release date of the software present in the unit.
The required setting can be selected using menu keys a, b or c on the remote control.
By pressing the **"PP store"** key on the local keyboard, the set values are stored in the memory and you exit from the Service Mode.

1. White control R, G and B
Connect a pattern generator and select the white picture. R has a fixed setting.
Using **P +/-**, set the values for green and blue so that the required white level is obtained.

2. Options

The options are presented by a number between 0 and 255.
The possible options are shown in the table below:

PAL BG	PAL BG SECAM BG	PAL I	PAL BGI SECAM BGLL'	PAL BG SECAM BGL NTSC M	PIP	NICAM	SECAM DK	OPTION NUMBER
X	-	-	-	-	-	-	-	000
X	-	-	-	-	X	-	-	008
X	-	-	-	-	-	X	-	064
X	-	-	-	-	X	X	-	072
-	X	-	-	-	-	-	-	000
-	X	-	-	-	X	-	-	008
-	X	-	-	-	-	X	-	064
-	X	-	-	-	X	X	-	072
-	-	X	-	-	-	-	-	001
-	-	X	-	-	X	-	-	009
-	-	X	-	-	-	X	-	065
-	-	X	-	-	X	X	-	073
-	-	-	X	-	-	-	-	002
-	-	-	X	-	X	-	-	010
-	-	-	X	-	-	X	-	066
-	-	-	X	-	X	X	-	074
-	-	-	-	X	-	-	-	018
-	-	-	-	X	X	-	-	026
-	-	-	-	X	-	X	-	082
-	-	-	-	X	X	X	-	090
-	-	-	-	X	-	X	X	114
-	-	-	-	X	X	X	X	122

For example:
European multireceiver (BGLM)
- with DK system
- with PIP
- with NICAM

has as option number 122

The option number can be set using **P +/-**.

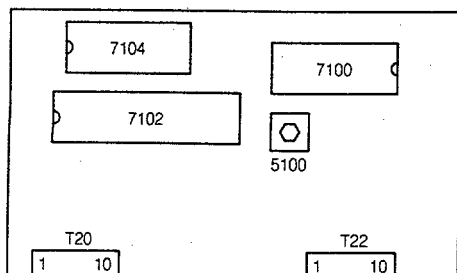
However, these are software modifications in the unit.
If the unit has to be equipped for these features, you must also make the necessary hardware modifications.

Electrical settings

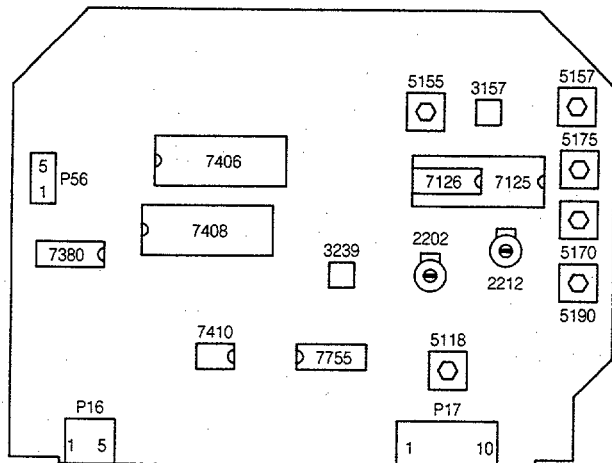
CHASSIS FL1.0

7.3

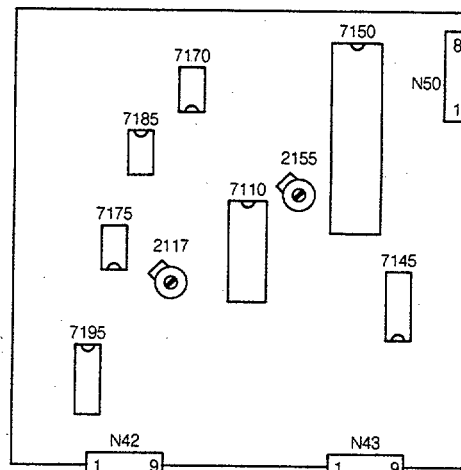
TXT DECODER



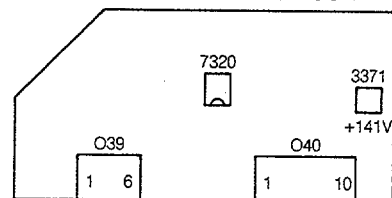
PIP MODULE



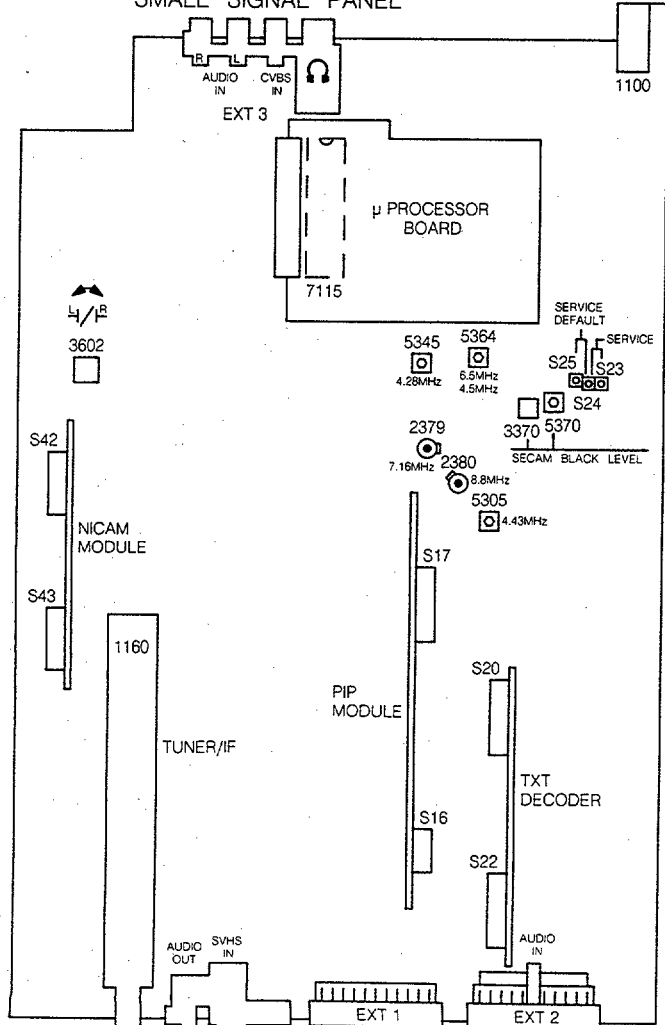
NICAM MODULE



SOPS DRIVE CIRCUIT



SMALL SIGNAL PANEL



LARGE SIGNAL PANEL

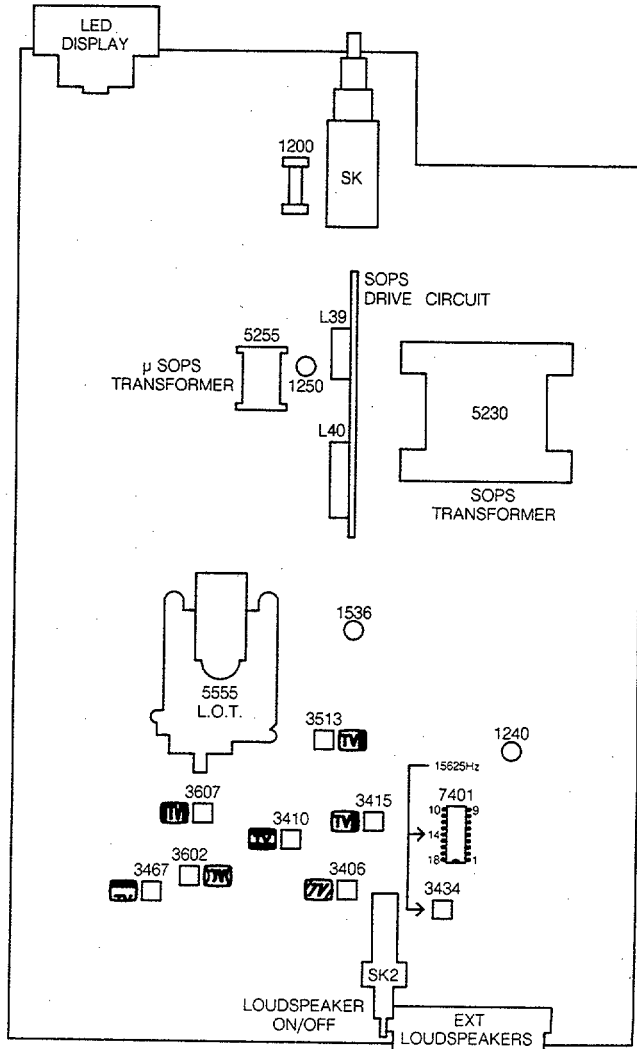


fig. 7.1

MDA 02779
T10/032

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D. ELECTRICAL SETTINGS ON THE PIP PANEL

Before carrying out each setting, it should be ensured that a P.I.P. picture with colour bar is visible on the screen and the unit should have reached its operating temperature (after ≈ 20 min.).

1. Horizontal frequency drift compensation

Supply an aerial or generator signal.
Connect pin 28-IC7125 briefly to pin 13-IC7125.
Connect pin 5-IC7755 briefly to earth.
Measure the frequency on pin 17-IC7755 and set this to $15.625 \text{ Hz} \pm 25 \text{ Hz}$ with R3239.
Remove the short circuits.

2. SECAM band pass

Connect a pattern generator and supply a SECAM colour bar signal.
Connect pin 27-IC7125 briefly to 13-IC7125.
Trigger the oscilloscope with the "sandcastle" signal (pin 17-IC7125).
Set L5118 so that the AM modulation is minimum (pin 15-IC7125).
Remove the short circuit.

3. 8.87 MHz PAL/SECAM oscillator

Connect a pattern generator and supply a PAL colour bar signal.
Connect pin 28-IC7125 briefly to pin 13-IC7125.
Connect pin 17-IC7125 briefly to earth.
Connect the X-input of the oscilloscope to pin 1-IC7125.
Connect the Y-input of the oscilloscope to pin 3-IC7125.
Set the oscilloscope to the X-Y position.
Set C2202 so that the oscilloscope picture is as stable as possible.
Remove the short circuits.

4. 7.16 MHz NTSC oscillator

Connect a pattern generator and supply an NTSC M colour bar signal.
Connect pin 26-IC7125 briefly to pin 13-IC7125.
Connect pin 17-IC7125 briefly to earth.
Connect the X-input of the oscilloscope to pin 1-IC7125.
Connect the Y-input of the oscilloscope to pin 3-IC7125.
Set the oscilloscope to the X-Y position.
Set C2212 so that the oscilloscope picture is as stable as possible.
Remove the short circuits.

5. PAL delay line

Connect a pattern generator and supply a PAL colour bar signal.
Connect pin 28-IC7125 briefly to pin 13-IC7125.
Connect the X-input of the oscilloscope to pin 1-IC7125.
Connect the Y-input of the oscilloscope to pin 3-IC7125.
Set the oscilloscope to the X-Y position.
Set L5155 and L5157 so that the vectors are in one line (points which are furthest from the origin).
Set the pattern generator to the "DEM" mode.
Set R3157 so that the vectors are on top of one another in the origin.
Remove the short circuits.

6. SECAM identification

Connect a pattern generator and supply a SECAM colour bar signal.
Connect pin 27-IC7125 briefly to pin 13-IC7125.
Connect an oscilloscope to pin 1-IC7125.
Using L5190, set to minimum DC level.

7. SECAM demodulators

Connect a pattern generator and supply a SECAM signal without contents (black).
Connect pin 27-IC7125 briefly to pin 13-IC7125.
Connect an oscilloscope to pin 1-IC7125.
Using L5175, set the DC level during the pull-back equal to the DC level during the flyback.
Set L5170 in the same way, but now measure at pin 3-IC7125.

E. ELECTRICAL SETTINGS ON THE NICAM DECODER PANEL

1. The NICAM demodulator

Supply an aerial or generator signal which has a NICAM audio signal.
Connect the X-input of the oscilloscope to pin 19-IC7110.
Connect the Y-input of the oscilloscope to pin 20-IC7110.
Set the oscilloscope to the X-Y position.
Set the sensitivity of the oscilloscope to 1V/div AC .
Set the X and Y position so that the cross pattern is in the centre of the oscilloscope picture.
Set C2117 on a straight cross pattern (see fig. 7.3).

2. The "Sample" clock oscillator

Supply an aerial or generator signal which has a NICAM audio signal.
Connect an oscilloscope to pin 9-IC7150.
Set the sensitivity of the oscilloscope to 1V/div and the time base to $2\mu\text{s/div}$.
Set C2155 so that a symmetrical block wave is visible.

F. ELECTRICAL SETTING ON THE TELETEXT DECODER

Connect pin 22-IC7100 briefly to earth.
Connect a frequency counter to pin 17-IC7100.
Using L5100, set to $6,000 \text{ MHz} \pm 30\text{kHz}$.
Remove the short circuit.

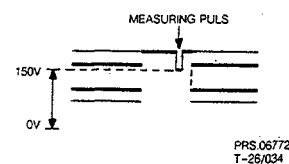


fig. 7.2

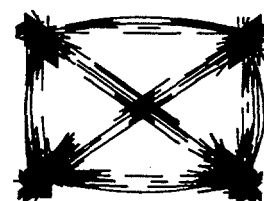


fig. 7.3

LIST OF ERROR MESSAGES

NO. Description	LED						
	St.by	Surr.	On	Spat.	Dual I	Stereo	Dual II
01 D2B (MSM 6307)	X				X	X	
02 NICAM (expander)	X						X
03 TXT. 50 Hz. (ECCT)	X				X		
04 TXT. 100 Hz. (DVTB)			X		X		
05 PIP (processor)			X				X
06 TDA8417 (stereo)	X		X		X		
07 TDA8425 (sound)							X
09 TDA4680 (chroma)			X		X	X	
10 TDA8443 (YUV - RGB)	X		X				X
11 TSA5512 (PLL)	X		X				
12 X2404 (xicor)					X		
13 I ² C						X	
14 HEF strobe			X			X	
15 Enable 1 level	X		X			X	
16 Enable 2 level					X	X	
17 Remote control input	X					X	
18 Intern 8032 RAM			X		X		X
19 UART	X		X		X	X	
20 Extern 8032 RAM	X		X		X		X

8. Service

8.1 General

- a) Oxidation of solder joints
- b) Avoid oxidation of direct connections in humid conditions. As a rule, use SMDs
- c) Rough handling may cause circuit damage. Never heat the material connected. Never cause a short circuit. Similar surface

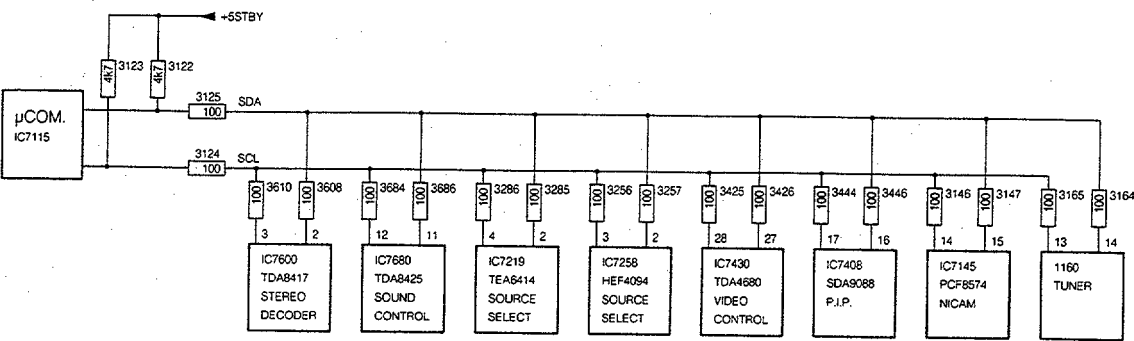
8.2 Removal

- a) Heat the chip with the chip and a soldering iron
- b) While heating, remove the chip from the board
- c) Removal means

Caution

- a) When heating, use pressure
- b) When removing, use the pair
- c) The solder is preferred (soldering)
- d) The chip

I2C Block diagram



PRS 06801
7-26/037

Repair tips

8. Servicing of SMDs (Surface Mounted Devices)

8.1 General cautions on handling and storage.

- Oxidation on the SMDs terminals results in poor soldering. Do not handle SMDs with bare hands.
- Avoid for storage places that are sensitive to oxidation such as places with sulfur or chlorine gas, direct sunlight, high temperatures or a high degree of humidity.

As a result the capacitance or resistance value of the SMDs may be affected.

- Rough handling of circuit boards containing SMDs may cause damage to the components as well as the circuit boards. Circuit boards containing SMDs should never be bent or flexed. Different circuit board materials expand and contract at different rates when heated or cooled and the components and/or solder connections may be damaged due to the stress. Never rub or scrape chip components as this may cause the value of the component to change. Similarly, do not slide the circuit board across any surface.

8.2 Removal of SMDs

- Heat the solder (for 2–3 seconds) at each terminal of the chip. Small components can, by means of litz wire and a limited horizontal force, be removed with the soldering iron. They can also be removed with a solder sucker (see Fig. 2a) or
- While holding the SMD with a pair of tweezers take it off gently using the soldering iron's heat applied to each terminal (see Fig. 2b).
- Remove the excess solder on the solder lands by means of litz wire or a solder sucker (see Fig. 2c).

Caution on removal:

- When handling the soldering iron, use suitable pressure and be careful.
- When removing the chip, do not use undue force with the pair of tweezers.
- The soldering iron to be used (approx. 30 W), must preferably be provided with a thermal control (soldering temperature about 225 to 250°C).
- The chip, once removed, must **never** be used again.

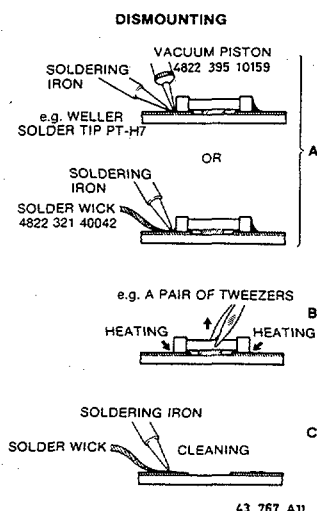


Fig. 2

8.3 Attachment of SMDs

- Locate the SMD on the solder lands by means of tweezers and solder the component at one side. Ensure that the component is positioned well on the solder lands (see Fig. 3a).
- Next complete the soldering of the terminals of the component (see Fig. 3b).

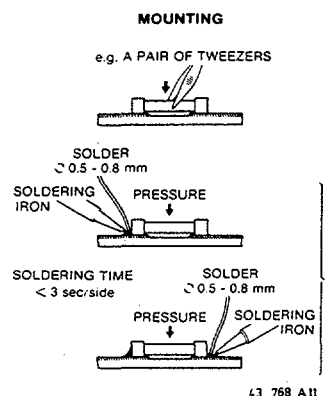


Fig. 3

Caution on attachment:

- When soldering the SMD terminals, do not touch them directly with the soldering iron. The soldering must be as quick as possible; care must be taken to avoid damage to the terminals and the body itself.
- Keep the SMD's body in contact with the printed board when soldering.
- The soldering iron to be used (approx. 30 W) must preferably be provided with a thermal control (soldering temperature about 225 to 250°C).
- Soldering should not be done outside the solder land.
- Soldering flux (of rosin) may be used but should not be acidic.
- After soldering, let the SMD cool down gradually at room temperature.
- The quantity of solder must be proportional with the size of the solder land. If the quantity is too great, the SMD might crack or the solder lands might be torn loose from the printed board (see Fig. 4).

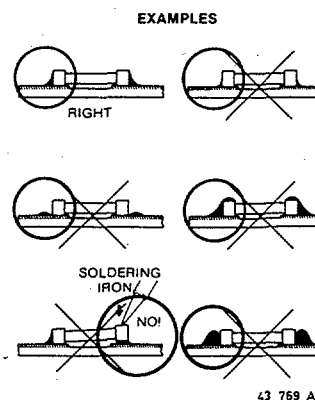
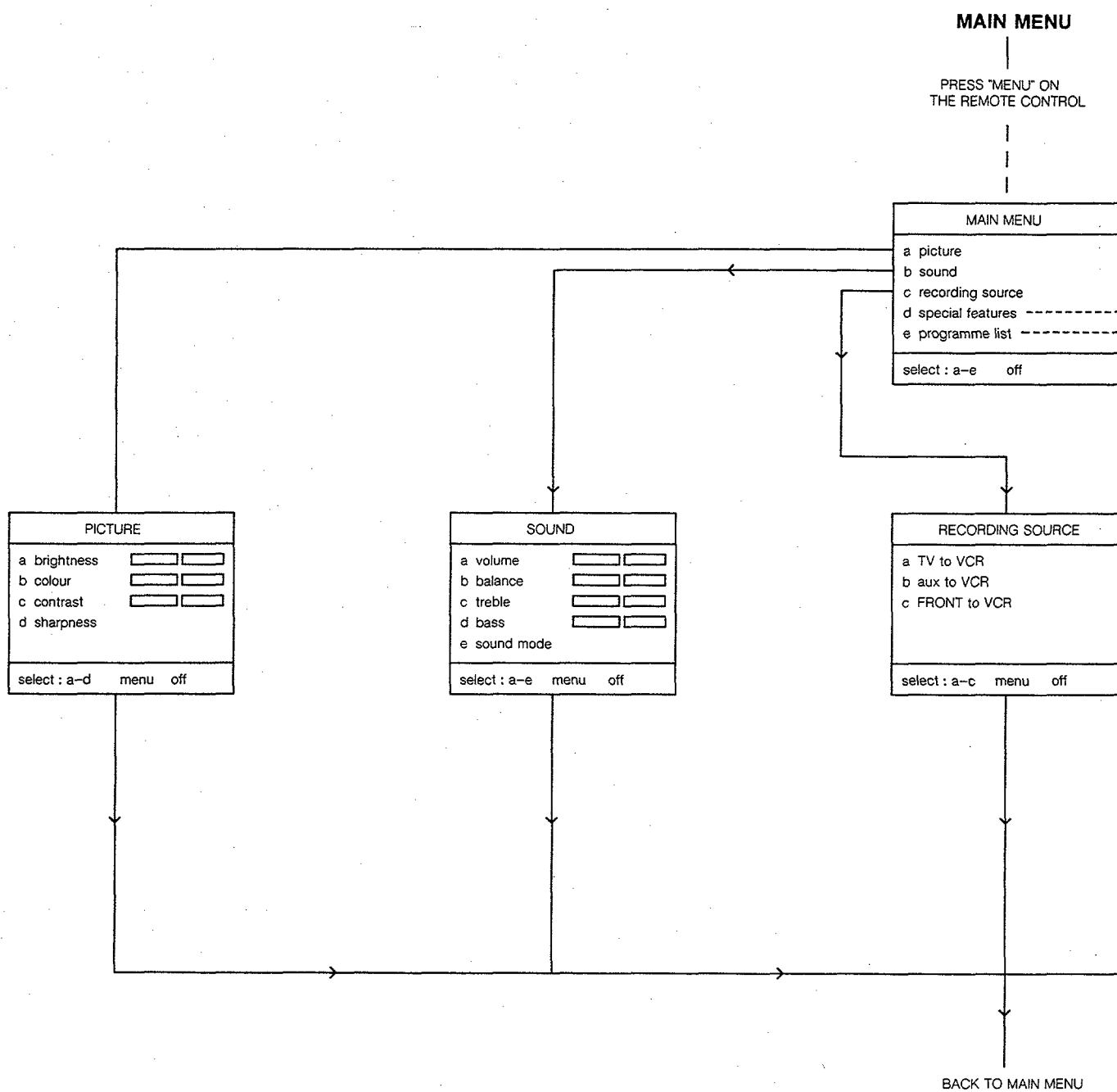


Fig. 4



MAIN MENU

Press "MENU" ON
REMOTE CONTROL

MAIN MENU

source

atures

re list

off

CHANGING SOURCE

R

R

VCR

menu

off

SPECIAL FEATURES

a child lock

b sleep timer

c display prog. No

d demonstration

e pip size

select : a-e

menu

off

PROGRAMME LIST

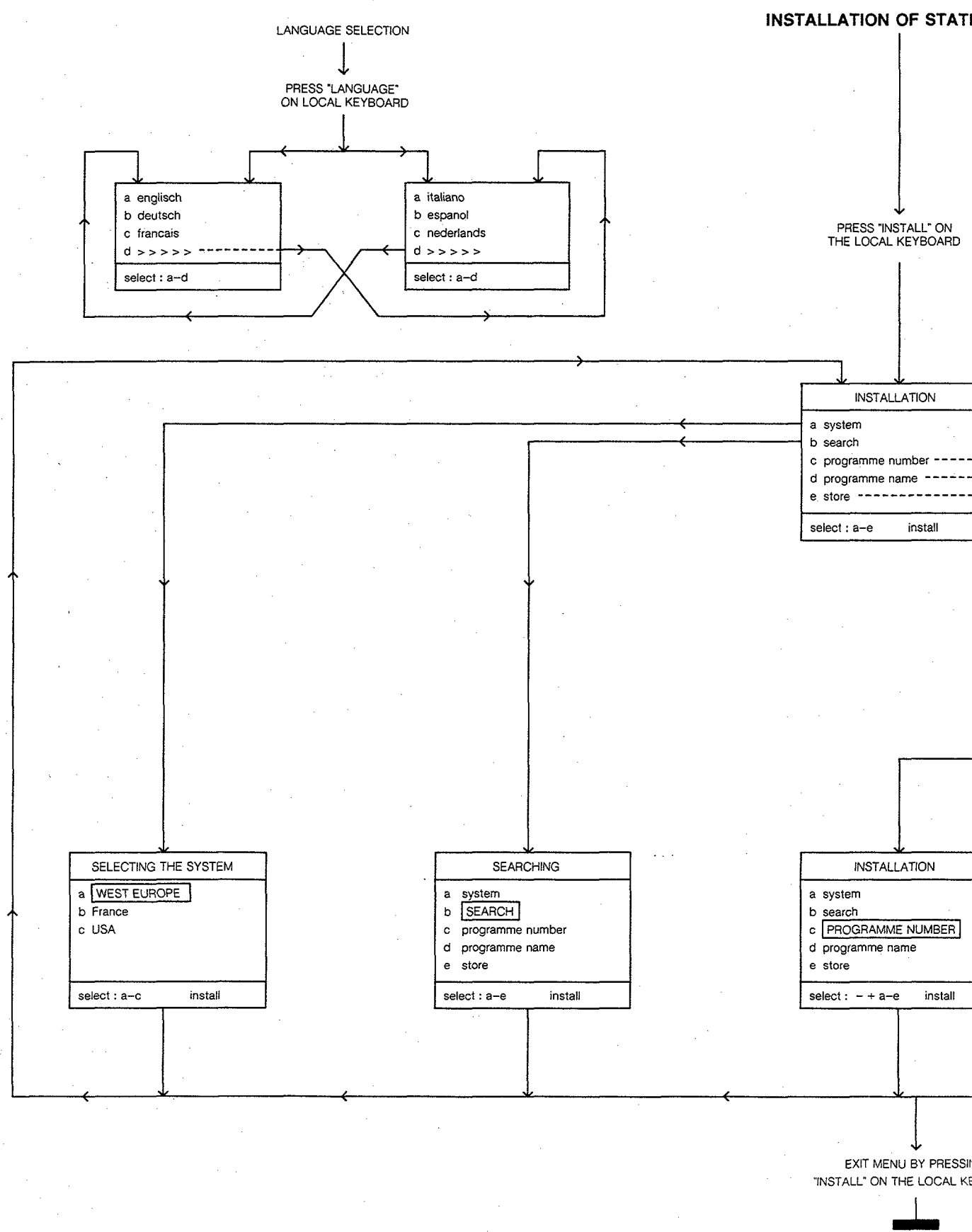
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0	10	20
1	11	21
2	12	22
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4	14	24
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6	16	26
7	17	27
8	18	28
9	19	29

select : menu

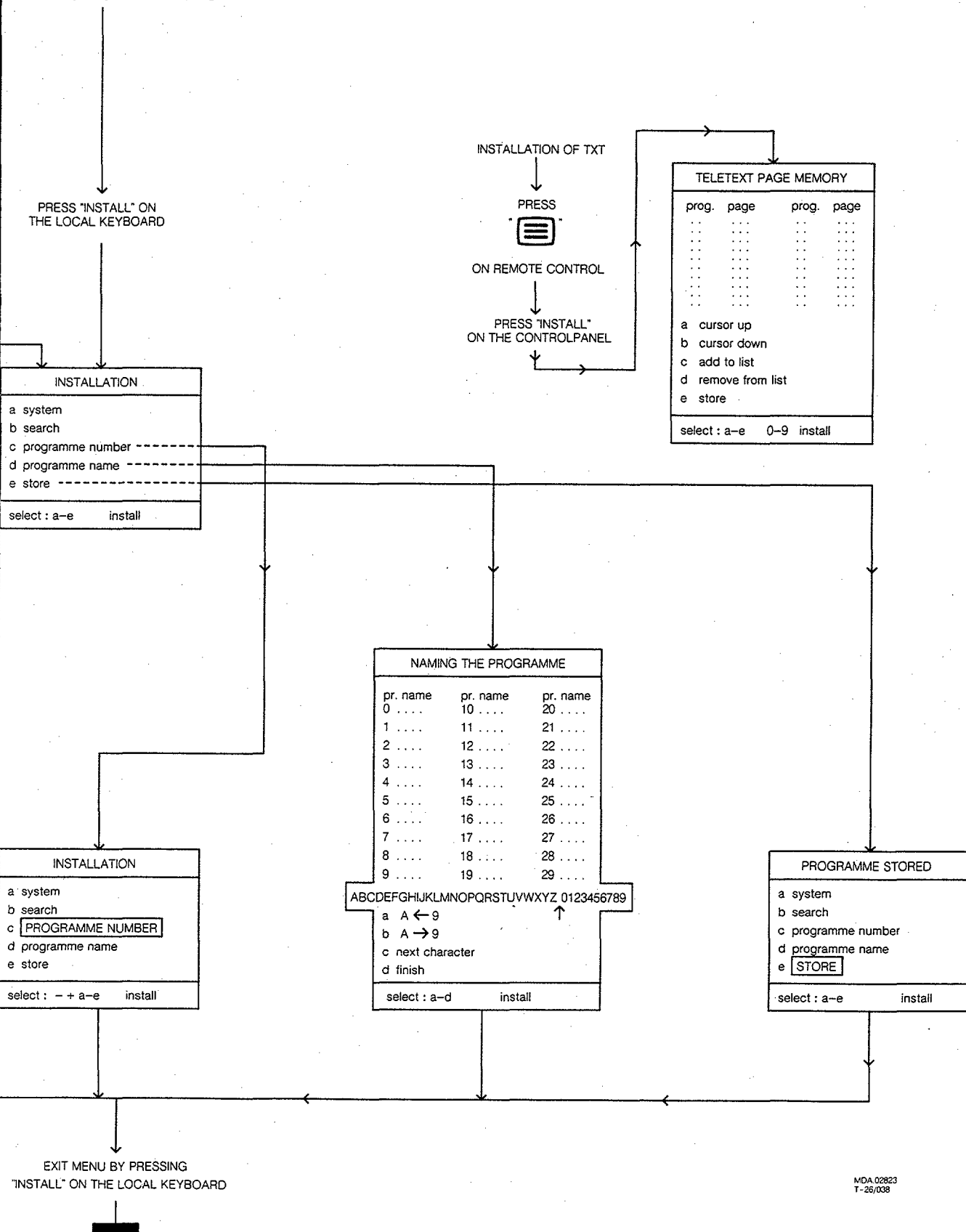
off

stop demonstration
by switching off
the set

TO MAIN MENU



INSTALLATION OF STATIONS



LARGE SIGNAL PANEL

50V
% 50V
% 35V
50V
0% 35V
63V
% 50V
63V
63V
% 63V
50V
% 250V
% 500V
% 2kV
% 2kV
% 100V
160V
50V
50V
% 500V
% 350V
160V
250V
250V
250V
2kV
2kV
400V
400V
250V
% 50V
% 63V
% 1kV
% 35V
% 500V
% 10V
25V
50V
25V
% 10V
35V
63V
63V
63V
63V
63V
63V
50V
63V
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50V
63V
63V
25W
25W
25W
25W
25W
25W
33W
33W
33W



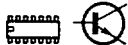
3023 4822 051 10333 33k 2% 0,25W
3024 4822 051 10333 33k 2% 0,25W
3027 4822 051 10103 10k 2% 0,25W
3028 4822 051 10103 10k 2% 0,25W
3029 4822 051 10123 12k 2% 0,25W
3030 4822 051 10123 12k 2% 0,25W
3031 4822 051 10102 1k 2% 0,25W
3032 4822 051 10102 1k 2% 0,25W
3033 4822 116 52244 15k 5% 0,5W
3034 4822 051 10472 4k7 2% 0,25W
3035 4822 051 10153 15k 2% 0,25W
3036 4822 051 10152 1k5 2% 0,25W
3037 4822 051 10152 1k5 2% 0,25W
3040 4822 051 10273 27k 2% 0,25W
3041 4822 051 10152 1k5 2% 0,25W
3044 4822 051 10221 220Ω 2% 0,25W
3050 4822 051 10103 10k 2% 0,25W
3051 4822 051 10203 20k 2% 0,25W
3052 4822 051 10472 4k7 2% 0,25W
3053 4822 051 10472 4k7 2% 0,25W
3054 4822 110 42205 4M7 5% 0,5W
3060 4822 051 10109 10Ω 2% 0,25W
3065 4822 051 10183 18k 2% 0,25W
3066 4822 051 10183 18k 2% 0,25W
3067 4822 051 10102 1k 2% 0,25W
3068 4822 116 52207 1k2 5% 0,5W
3201 4822 110 42205 4M7 5% 0,5W
3202 4822 110 42205 4M7 5% 0,5W
3204 4822 116 40033 NTC/PTC
3204 4822 116 40138 DUAL PTC
3205 4822 116 30333 NTC
3209 4822 113 80384 1Q5 10% 7W
3210 4822 116 52239 120k 5% 0,5W
3211 4822 116 52239 120k 5% 0,5W
3212 4822 116 52234 100k 5% 0,5W
3213 4822 051 10104 100k 2% 0,25W
3215 4822 051 10472 4k7 2% 0,25W
3216 4822 115 90309 56Ω 10% 5W
3240 4822 116 52234 100k 5% 0,5W
3241 4822 113 80557 3Q9 10% 5W
3242 4822 051 10122 1k2 2% 0,25W
3243 4822 116 52226 560Ω 5% 0,5W
3244 4822 116 52211 150Ω 5% 0,5W
3245 4822 116 52226 560Ω 5% 0,5W
3247 4822 051 20222 2k2 5% 0,1W
3248 4822 051 20222 2k2 5% 0,1W
3249 4822 116 52265 270k 5% 0,5W
3250 4822 116 52199 68Ω 5% 0,5W
3251 4822 051 10102 1k 2% 0,25W
3252 4822 116 52265 270k 5% 0,5W
3253 4822 116 82738 10k 10%
3255 4822 116 52243 1k5 5% 0,5W
3266 4822 051 10101 100Ω 2% 0,25W
3267 4822 051 10101 100Ω 2% 0,25W
3268 4822 053 11689 68Ω 5% 2W
3270 4822 051 10008 jumper
3271 4822 053 10399 39Ω 5% 1W
3272 4822 116 90536 120Ω 1% 0,125W
3273 4822 051 10472 4k7 2% 0,25W
3274 4822 051 10102 1k 2% 0,25W
3275 4822 116 52206 120Ω 5% 0,5W
3298 4822 051 10229 22Ω 2% 0,25W
3298 4822 051 10279 27Ω 2% 0,25W
3298 4822 051 10339 33Ω 2% 0,25W
3298 4822 051 10399 39Ω 2% 0,25W
3300 4822 053 10753 75k 5% 1W
3304 4822 051 10473 47k 2% 0,25W
3305 4822 051 10392 3k9 2% 0,25W
3306 4822 116 52262 240k 5% 0,5W
3308 4822 053 12151 150Ω 5% 3W
3309 4822 051 10103 10k 2% 0,25W
3310 4822 050 11109 11Ω 1% 0,4W
3311 4822 051 10471 470Ω 2% 0,25W
3312 4822 051 10101 100Ω 2% 0,25W



3313 4822 050 11109 11Ω 1% 0,4W
3314 4822 116 52223 430Ω 5% 0,5W
3315 4822 116 52223 430Ω 5% 0,5W
3317 4822 051 10682 6k8 2% 0,25W
3320 4822 051 10471 470Ω 2% 0,25W
3321 4822 051 10471 470Ω 2% 0,25W
3322 4822 051 10471 470Ω 2% 0,25W
3331 4822 116 52267 30k 5% 0,5W
3332 4822 116 52233 10k 5% 0,5W
3351 4822 052 11279 27Ω 5% 0,5W
3356 4822 051 10102 1k 2% 0,25W
3357 4822 050 11102 1k1 1% 0,4W
3358 4822 116 52182 15Ω 5% 0,5W
3360 4822 051 10122 1k2 2% 0,25W
3362 4822 051 10151 150Ω 2% 0,25W
3364 4822 051 10471 470Ω 2% 0,25W
3365 4822 051 10221 220Ω 2% 0,25W
3366 4822 051 10221 220Ω 2% 0,25W
3368 4822 116 52226 560Ω 5% 0,5W
3369 4822 116 52226 560Ω 5% 0,5W
3370 4822 051 10332 3k3 2% 0,25W
3371 4822 100 11348 1k 30% LIN
3372 4822 051 10561 560Ω 2% 0,25W
3374 4822 116 52301 75k 5% 0,5W
3375 5322 111 90282 2k4 5% 0,25W
3376 4822 051 10101 100Ω 2% 0,25W
3378 4822 051 10101 100Ω 2% 0,25W
3380 4822 051 10152 1k5 2% 0,25W
3381 4822 051 10152 1k5 2% 0,25W
3383 4822 051 20222 2k2 5% 0,1W
3384 4822 051 10103 10k 2% 0,25W
3385 4822 116 52257 22k 5% 0,5W
3386 4822 051 10103 10k 2% 0,25W
3400 4822 051 10332 3k3 2% 0,25W
3402 4822 051 10562 5k6 2% 0,25W
3403 4822 051 10229 22Ω 2% 0,25W
3404 4822 051 10821 820Ω 2% 0,25W
3405 4822 051 10303 30k 2% 0,25W
3406 4822 100 11483 10k 30% LIN 0,1W
3407 4822 051 10331 330Ω 2% 0,25W
3408 4822 051 10333 33k 2% 0,25W
3409 4822 116 52258 220k 5% 0,5W
3409 4822 116 52262 240k 5% 0,5W
3410 4822 100 11163 100k 30% LIN 0,1W
3411 4822 051 10623 62k 2% 0,25W
3411 4822 051 10683 68k 2% 0,25W
3411 4822 051 10823 82k 2% 0,25W
3413 4822 051 10101 100Ω 2% 0,25W
3413 4822 051 10185 1M8 5% 0,25W
3414 4822 051 10154 150k 2% 0,25W
3415 4822 100 11392 47k 30% LIN
3416 4822 116 52278 390k 5% 0,5W
3417 4822 116 52256 2k2 5% 0,5W
3418 4822 051 10271 270Ω 2% 0,25W
3419 4822 052 10189 18Ω 5% 0,33W
3420 4822 116 52235 1M 5% 0,5W
3420 4822 116 82737 2M7 5%
3421 4822 051 10103 10k 2% 0,25W
3424 4822 051 10221 220Ω 2% 0,25W
3425 4822 051 10822 8k2 2% 0,25W
3427 4822 051 10332 3k3 2% 0,25W
3428 4822 116 52271 33k 5% 0,5W
3429 4822 116 52289 5k6 5% 0,5W
3430 4822 050 11203 12k 1% 0,4W
3431 4822 051 10563 56k 2% 0,25W
3432 4822 051 10122 1k2 2% 0,25W
3434 4822 100 11642 47k 30% LIN
3435 4822 051 10124 120k 2% 0,25W
3436 4822 051 10152 1k5 2% 0,25W
3437 4822 051 10471 470Ω 2% 0,25W
3438 4822 116 52204 1k 5% 0,5W
3445 4822 051 10105 1M 5% 0,25W
3446 4822 116 52251 18k 5% 0,5W
3447 4822 116 52233 10k 5% 0,5W



3450 4822 051 10432 4k3 2% 0,25W
3451 4822 051 10432 4k3 2% 0,25W
3452 4822 116 52227 620Ω 5% 0,5W
3454 4822 116 52227 620Ω 5% 0,5W
3455 4822 051 10392 3k9 2% 0,25W
3455 4822 051 10472 4k7 2% 0,25W
3456 4822 051 10183 18k 2% 0,25W
3456 4822 051 10104 100k 2% 0,25W
3456 4822 051 10114 110k 2% 0,25W
3457 4822 051 10822 8k2 2% 0,25W
3457 4822 051 10153 15k 2% 0,25W
3458 4822 116 80176 1Ω 5% 0,5W
3459 4822 116 80176 1Ω 5% 0,5W
3461 5322 116 82222 1Ω 2 5%
3462 5322 116 82222 1Ω 2 5%
3463 4822 116 82739 1Q3 5% 0,5W
3465 4822 051 10681 680Ω 2% 0,25W
3466 4822 051 10272 2k7 2% 0,25W
3467 4822 100 20166 10k 30% LIN 0,1W
3468 4822 053 12221 220Ω 5% 3W
3468 4822 053 10331 330Ω 5% 3W
3469 4822 051 10681 680Ω 2% 0,25W
3469 4822 051 10272 2k7 2% 0,25W
3469 4822 051 10472 4k7 2% 0,25W
3473 4822 116 52253 2k 5% 0,5W
3474 4822 051 10683 68k 2% 0,25W
3480 4822 116 52234 100k 5% 0,5W
3481 4822 051 10102 1k 2% 0,25W
3482 4822 051 10229 22Ω 2% 0,25W
3500 4822 116 80176 1Ω 5% 0,5W
3501 4822 116 52271 33k 5% 0,5W
3502 4822 116 52238 12k 5% 0,5W
3503 4822 116 52238 12k 5% 0,5W
3505 4822 116 52199 68Ω 5% 0,5W
3508 4822 116 53418 2k7 10%
3508 4822 116 53568 3k3 10% 5W
3508 4822 116 82379 3k9 10% 5W
3509 4822 116 52267 30k 5% 0,5W
3510 4822 053 12151 150Ω 5% 3W
3510 4822 053 12221 220Ω 5% 3W
3512 4822 051 10331 330Ω 2% 0,25W
3513 4822 100 11319 4k7 30% LIN
3514 4822 116 52206 120Ω 5% 0,5W
3515 4822 052 10108 1Ω 5% 0,33W
3516 4822 052 10108 1Ω 5% 0,33W
3517 4822 052 11688 6Q8 5% 0,5W
3518 4822 116 52267 30k 5% 0,5W
3519 4822 116 52267 30k 5% 0,5W
3520 4822 052 11152 1k5 5% 0,5W
3521 4822 052 11152 1k5 5% 0,5W
3523 4822 116 52233 10k 5% 0,5W
3528 4822 116 52241 13k 5% 0,5W
3529 4822 051 10104 100k 2% 0,25W
3530 4822 051 10474 470k 2% 0,25W
3531 4822 116 52274 36k 5% 0,5W
3532 4822 116 52211 150Ω 5% 0,5W
3533 4822 116 52211 150Ω 5% 0,5W
3534 4822 052 11278 2Q7 5% 0,5W
3535 4822 052 11278 2Q7 5% 0,5W
3536 4822 116 52215 220Ω 5% 0,5W
3537 4822 116 52206 120Ω 5% 0,5W
3538 4822 116 52224 470Ω 5% 0,5W
3538 4822 116 52204 1k 5% 0,5W
3538 4822 116 52256 2k2 5% 0,5W
3540 4822 116 52267 30k 5% 0,5W
3541 4822 116 52285 470k 5% 0,5W
3542 4822 051 10913 91k 2% 0,25W
3542 4822 051 10104 100k 2% 0,25W
3543 5322 111 90282 2k4 5% 0,25W
3543 4822 051 10272 2k7 2% 0,25W
3544 4822 051 10393 39k 2% 0,25W
3545 4822 116 52208 130Ω 5% 0,5W
3546 4822 051 10183 18k 2% 0,25W
3550 4822 116 52209 1k3 5% 0,5W

								
3601	4822 051 10104	100k 2% 0,25W	6000	4822 130 80446	LL4148	6541	4822 130 80922	BZV55-C18
3602	4822 100 20166	10k 30% LIN 0,1W	6001	4822 130 81139	LLZ-C3V3	6542	4822 130 30842	BAV21
3603	4822 051 10103	10k 2% 0,25W	6002	4822 130 81139	LLZ-C3V3	6551	4822 130 34278	BZX79-B6V8
3603	4822 051 20183	18k 5% 0,1W	6008	4822 209 73095	P4KE30C-7000	6601	4822 130 42488	BYD33D
3604	4822 051 10564	560k 2% 0,25W	6010	4822 130 80446	LL4148			
3604	4822 051 10754	750k 2% 0,25W	6011	4822 130 80446	LL4148			
3605	4822 051 10203	20k 2% 0,25W	6012	4822 130 80446	LL4148			
3605	4822 051 10513	51k 2% 0,25W	6014	4822 130 80446	LL4148			
3605	4822 116 81202	62k 1% 0,125W	6016	4822 130 80446	LL4148			
3606	4822 051 10223	22k 2% 0,25W	6020	4822 130 30621	1N4148	7000	4822 209 73311	TDA1521Q/N4
3607	4822 100 11213	22k 30% LIN	6021	4822 130 80446	LL4148	7002	4822 209 83163	LM833N
3608	4822 051 10102	1k 2% 0,25W	6201	4822 130 80446	LL4148	7003	4822 130 61207	BC848
3609	4822 051 10473	47k 2% 0,25W	6210	4822 130 33887	GP15J-16	7004	4822 130 61207	BC848
3610	4822 051 10472	4k7 2% 0,25W	6211	4822 130 33887	GP15J-16	7005	5322 130 42136	BC848C
3611	4822 051 20222	2k2 5% 0,1W	6212	4822 130 33887	GP15J-16	7006	5322 130 42136	BC848C
3612	4822 116 52286	5k1 5% 0,5W	6213	4822 130 33887	GP15J-16	7007	4822 130 61207	BC848
3614	4822 051 10151	150Ω 2% 0,25W	6216	4822 130 42606	BYD33J	7008	4822 130 61207	BC848
3615	4822 116 52224	470Ω 5% 0,5W	6231	4822 130 80791	BYV28-200/20	7009	4822 209 83163	LM833N
3616	4822 051 10332	3k3 2% 0,25W	6233	4822 130 80791	BYV28-200/20	7010	5322 130 42012	BC858
3617	4822 051 20222	2k2 5% 0,1W	6235	4822 130 81104	MA689	7011	4822 209 63296	TDA2613Q
3618	4822 051 10104	100k 2% 0,25W	6237	4822 130 80572	RGP30J-L7004	7012	4822 130 61207	BC848
3619	4822 051 20222	2k2 5% 0,1W	6238	4822 130 80572	RGP30J-L7004	7201	4822 130 42513	BC858C
3620	4822 051 10622	6k2 2% 0,25W	6246	4822 130 82347	LLZ-F6V8	7216	4822 130 43919	BUT12AF
3621	4822 051 10114	110k 2% 0,25W	6251	4822 130 80954	LLZ-C5V6	7241	4822 130 61003	BD944F
3622	4822 116 80176	1Ω 5% 0,5W	6260	4822 130 80446	LL4148	7242	5322 130 41981	BC848A
3624	4822 116 52215	220Ω 5% 0,5W	6262	4822 130 42488	BYD33D	7243	5322 130 41981	BC848A
3625	4822 116 52215	220Ω 5% 0,5W	6266	4822 130 34278	BZX79-F6V8	7250	4822 130 62509	BUX85F
3626	4822 116 52297	68k 5% 0,5W	6272	4822 130 34173	BZX55-B5V6	7251	4822 130 61207	BC848
3626	4822 116 52304	82k 5% 0,5W	6280	4822 130 30621	1N4148	7268	4822 130 44121	BC338
3626	4822 116 52239	120k 5% 0,5W	6302	4822 130 80446	LL4148	7270	4822 130 40823	BD135
3626	4822 116 52242	130k 5% 0,5W	6303	4822 130 80446	LL4148	7272	4822 130 61207	BC848
Jumpers			6304	4822 130 80446	LL4148	7273	4822 130 42513	BC858C
4000	4822 051 10008	jumper	6308	4822 130 42488	BYD33D	7305	5322 130 42136	BC848C
4001	4822 051 10008	jumper	6312	4822 130 42488	BYD33D	7311	4822 130 42513	BC858C
4005	4822 051 10008	jumper	6315	4822 130 80446	LL4148	7312	5322 130 44647	BC368
4006	4822 051 10008	jumper	6318	4822 130 80446	LL4148	7318	4822 130 42615	BC817-40
4014	4822 051 10008	jumper	6319	4822 130 34173	BZX79-C5V6	7320	4822 130 80891	CNX83A
4400	4822 051 10008	jumper	6331	4822 130 80446	LL4148	7360	4822 130 42513	BC858C
4410	4822 051 10008	jumper	6349	4822 130 80446	LL4148	7369	5322 130 42755	BC847C
4412	4822 051 10008	jumper	6350	4822 130 80446	LL4148	7370	5322 130 42136	BC848C
4415	4822 051 10008	jumper	6351	4822 130 80446	LL4148	7371	4822 130 42513	BC858C
4508	4822 051 10008	jumper	6352	4822 130 80446	LL4148	7380	4822 130 42513	BC858C
			6353	4822 130 80446	LL4148	7381	5322 130 42136	BC848C
5202	4822 158 30224	TRANSF,ASSY CU20D3	6355	4822 130 80446	LL4148	7384	5322 130 42755	BC847C
5230	4822 146 30957	SOPS	6356	4822 130 82345	LLZ-C22	7385	5322 130 42136	BC848C
5231	4822 526 10494	ferrite bead	6357	4822 130 80446	LL4148	7400	4822 209 63297	TDA2579B/N1
5233	4822 526 10494	ferrite bead	6370	4822 130 81512	LLZ-C6V2	7401	4822 209 63299	TDA2595/V9
5235	4822 526 10494	ferrite bead	6371	4822 130 80446	LL4148	7402	5322 130 42136	BC848C
5237	4822 526 10494	ferrite bead	6372	4822 130 80446	LL4148	7403	4822 130 42513	BC858C
5241	4822 157 52505	33μH 10%	6373	4822 130 80954	LLZ-C5V6	7417	4822 130 42513	BC858C
5255	4822 146 30955	transf.assy CU15B20	6375	4822 130 80446	LL4148	7445	5322 130 42136	BC848C
5260	4822 526 10494	ferrite bead	6376	4822 130 80922	LLZ-C18	7446	5322 130 42136	BC848C
5262	4822 526 10494	ferrite bead	6403	4822 130 80446	LL4148	7450	4822 209 73308	TDA3654Q/N3
5308	4822 157 62826	270μH 10%	6404	4822 130 30621	1N4148	7451	5322 130 42012	BC858
5310	4822 157 51216	5,6μH 10%	6417	4822 130 81223	LLZ-C2V4	7469	4822 130 44104	BC328
5381	4822 157 52279	33μH 10%	6451	4822 130 34382	BZX79-C8V2	7480	4822 130 42513	BC858C
5503	4822 148 80901	TRANSFORMER	6452	4822 130 42488	BYD33D	7481	5322 130 42136	BC848C
5510	4822 157 62825	82μH 10%	6465	4822 130 30621	1N4148	7501	4822 130 42159	TBF819
5511	4822 157 52407	39μH 7,5%	6466	4822 130 30621	1N4148	7504	4822 130 61265	BU508AF
5514	4822 157 53861	CU15	6480	4822 130 31554	BZX79-C4V3	7512	4822 130 44196	BC548C
5520	4822 157 62937	coil HT 21"	6501	4822 130 42488	BYD33D	7513	5322 130 60068	BC558C
5520	4822 157 52688	AT4042/92	6515	4822 130 80446	LL4148	7530	4822 130 61233	BC857
5520	4822 156 50086	AT4042/92B 33"	6516	4822 130 80446	LL4148	7540	5322 130 42136	BC848C
5521	4822 157 62938	LINEARITY 21"	6517	4822 130 42488	BYD33D	7541	5322 130 42136	BC848C
5521	4822 157 62827	LINEARITY	6519	4822 130 32896	BYD33M	7542	4822 130 42513	BC858C
5526	4822 157 62828	EAST-WEST	6522	4822 130 41275	BY228/20	7550	4822 130 61705	2SD1509
5534	4822 158 10551	27μH 7,5%	6525	4822 130 80572	RGP30J-L7004	7601	4822 130 61207	BC848
5543	4822 158 10551	27μH 7,5%	6529	4822 130 34329	BZX79-C43	7602	5322 130 42012	BC858
5555	4822 140 10412	L.O.T. 21"	6534	4822 130 82353	BYD34G	7603	5322 130 42012	BC858
5555	4822 140 10408	L.O.T.	6537	4822 130 80572	RGP30J-L7004	7608	4822 130 44196	BC548C
			6540	4822 130 80446	LL4148	7610	4822 130 60111	2SA1359
			6541	4822 130 81222	LLZ-C15			

Various

II

SMALL SIGNAL PANEL

			-II-			-II-		
4822 265 40252	7P male		2240 4822 122 32927	220nF		2452 4822 124 40242	1µF 20% 63V	
4822 265 40253	8P		2241 4822 121 42408	220nF 5% 63V		2476 4822 124 40435	10µF 20% 50V	
4822 265 40253	8P		2250 4822 122 32893	100nF 80% 50V		2479 4822 122 32863	22nF 80% 50V	
4822 265 40253	8P		2251 4822 122 32893	100nF 80% 50V		2480 4822 124 40272	33µF 20% 16V	
4822 265 41086	9P male		2254 4822 122 32927	220nF		2485 4822 124 40849	330µF 20% 16V	
4822 265 41082	10P		2255 4822 124 41643	100µF 20% 16V		2600 4822 122 32893	100nF 80% 50V	
4822 290 40295	7P		2258 4822 122 31765	100pF 5% 50V		2602 4822 122 32893	100nF 80% 50V	
4822 267 40648	5P male gold plated		2260 4822 122 32893	100nF 80% 50V		2604 4822 122 32893	100nF 80% 50V	
4822 264 50149	10P male gold plated		2274 4822 122 32862	10nF 80% 50V		2606 4822 122 32893	100nF 80% 50V	
4822 265 30828	5P male		2301 5322 122 31647	1nF 10% 63V		2608 4822 122 32927	220nF	
Various parts			2305 4822 122 32444	33pF 5% 50V		2620 4822 122 33496	100nF 10% 63V	
4822 267 20411	socket SCART + 2x CINCH		2306 4822 122 31772	47pF 5% 50V		2621 4822 122 33496	100nF 10% 63V	
4822 267 51058	socket SCART		2310 4822 122 31961	68pF 5% 63V		2622 4822 122 33496	100nF 10% 63V	
4822 267 20409	socket CINCH+SVHS		2311 4822 122 31765	100pF 5% 50V		2623 4822 122 33496	100nF 10% 63V	
4822 267 20408	socket HEADPH+ CINCH+SVHS		2311 4822 122 31808	150pF 10% 50V		2624 5322 122 31842	330pF 5% 63V	
4822 218 20986	keyboard		2312 4822 122 32863	22nF 80% 50V		2626 4822 121 42408	220nF 5% 63V	
4822 255 40901	socket 40 POLE		2318 4822 121 42408	220nF 5% 63V		2627 4822 124 41678	22µF 20% 25V	
1100 4822 212 23281	IR receiver		2320 4822 121 51412	560nF 10% 63V		2628 5322 122 31842	330pF 5% 63V	
1160 4822 210 10409	FQ816ME/IF		2322 4822 121 51412	560nF 10% 63V		2630 4822 122 32927	220nF	
1160 4822 210 10415	FQ816/IF		2324 4822 122 32863	22nF 80% 50V		2632 5322 122 31842	330pF 5% 63V	
1160 4822 210 10416	FQ816MF/IF		2326 4822 122 31765	100pF 5% 50V		2634 4822 121 42408	220nF 5% 63V	
1160 4822 210 10412	FQ844		2327 4822 122 31765	100pF 5% 50V		2636 5322 122 31842	330pF 5% 63V	
1231 4822 242 72569	filter 4.43MHz		2328 4822 122 31765	100pF 5% 50V		2638 4822 121 42408	220nF 5% 63V	
1379 4822 242 70736	crystal 7,159 090 MHz		2330 5322 122 31842	330pF 5% 63V		2640 5322 122 31842	330pF 5% 63V	
1380 4822 242 70304	crystal 8,867 238 MHz		2331 5322 122 31842	330pF 5% 63V		2642 4822 122 32927	220nF	
1602 4822 242 73857	crystal 10MHz		2338 4822 122 32444	33pF 5% 50V		2644 5322 122 31842	330pF 5% 63V	
-II-			2338 4822 122 31972	39pF 5% 50V		2646 4822 122 32927	220nF	
2100 4822 124 40684	150µF 20% 6.3V		2339 4822 122 31772	47pF 5% 50V		2658 4822 122 31961	68pF 5% 63V	
2105 4822 122 31797	22nF 10% 63V		2342 4822 122 31825	27pF 10% 50V		2659 4822 122 31961	68pF 5% 63V	
2115 4822 122 32893	100nF 80% 50V		2343 4822 122 31727	470pF 5% 63V		2660 5322 122 31647	1nF 10% 63V	
2118 4822 122 31797	22nF 10% 63V		2344 4822 122 31775	680pF 5% 50V		2662 5322 122 31647	1nF 10% 63V	
2119 4822 122 31797	22nF 10% 63V		2345 4822 122 31807	1200pF 5% 50V		2664 4822 122 32153	1,8nF 10% 63V	
2120 4822 122 32863	22nF 80% 50V		2346 4822 122 32504	15pF 5% 50V		2666 4822 122 32153	1,8nF 10% 63V	
2121 5322 122 31647	1nF 10% 63V		2346 4822 122 32482	22pF 5% 63V		2680 4822 122 32893	100nF 80% 50V	
2122 4822 122 32442	10nF 50V		2347 5322 122 31647	1nF 10% 63V		2682 4822 124 40195	150µF 20% 16V	
2123 4822 122 32927	220nF		2353 4822 122 32862	10nF 80% 50V		2684 4822 121 51252	470nF 5% 63V	
2126 4822 122 31797	22nF 10% 63V		2360 4822 124 40272	33µF 20% 16V		2686 4822 121 51252	470nF 5% 63V	
2127 4822 122 31797	22nF 10% 63V		2361 4822 124 40849	330µF 20% 16V		2688 4822 122 31782	15000pF 10% 50V	
2129 4822 122 31797	22nF 10% 63V		2365 4822 122 32772	180pF 2% 100V		2690 4822 122 31782	15000pF 10% 50V	
2130 4822 122 31797	22nF 10% 63V		2366 4822 122 32863	22nF 80% 50V		2692 4822 122 31981	33nF +-0.5pF 50V	
2132 4822 122 32863	22nF 80% 50V		2367 4822 122 32862	10nF 80% 50V		2694 4822 122 31916	5,6nF 10% 63V	
2137 4822 122 31971	10pF 10% 50V		2368 4822 122 32862	10nF 80% 50V		2696 4822 122 31981	33nF +-0.5pF 50V	
2138 4822 124 40193	68µF 20% 16V		2369 4822 122 31825	27pF 10% 50V		2698 4822 122 31916	5,6nF 10% 63V	
2160 4822 124 40849	330µF 20% 16V		2371 4822 122 31825	27pF 10% 50V		2700 4822 124 40242	1µF 20% 63V	
2161 4822 122 33496	100nF 10% 63V		2372 4822 122 31965	220pF 5% 63V		2702 4822 124 40242	1µF 20% 63V	
2163 4822 122 33496	100nF 10% 63V		2373 4822 122 31965	220pF 5% 63V		2704 4822 122 31644	2,2nF 10% 63V	
2164 4822 122 33496	100nF 10% 63V		2374 4822 122 32863	22nF 80% 50V		2706 4822 124 41678	22µF 20% 25V	
2166 4822 124 40684	150µF 20% 6.3V		2375 4822 122 32863	22nF 80% 50V		2707 4822 122 31784	4,7nF 10% 50V	
2170 4822 124 40195	150µF 20% 16V		2376 5322 122 31641	47nF 50V		2714 4822 122 32863	22nF 80% 50V	
2171 4822 122 32862	10nF 80% 50V		2377 5322 121 42661	330nF 5% 63V		2716 4822 122 32597	6,8nF 10% 63V	
2172 4822 124 41506	47µF 20% 16V		2378 4822 122 32893	100nF 80% 50V		2720 4822 124 41678	22µF 20% 25V	
2188 4822 122 32863	22nF 80% 50V		2379 4822 125 50207	33pF trim.		2721 4822 122 31784	4,7nF 10% 50V	
2193 4822 122 32153	1,8nF 10% 63V		2380 4822 125 50207	33pF trim		2726 4822 122 31644	2,2nF 10% 63V	
2194 4822 122 32153	1,8nF 10% 63V		2381 5322 121 42661	330nF 5% 63V		2727 4822 124 40435	10µF 20% 50V	
2196 4822 124 22606	68µF 20% 16V		2382 5322 122 31647	1nF 10% 63V		2728 4822 124 40435	10µF 20% 50V	
2197 4822 124 22606	68µF 20% 16V		2383 4822 122 32442	10nF 50V		2734 4822 122 32863	22nF 80% 50V	
2216 4822 122 32893	100nF 80% 50V		2384 5322 122 31647	1nF 10% 63V		2736 4822 122 32597	6,8nF 10% 63V	
2219 4822 122 32927	220nF		2385 4822 122 32442	10nF 50V				
2224 4822 122 32927	220nF		2386 4822 122 32862	10nF 80% 50V				
2225 4822 124 41554	220µF 20% 10V		2387 4822 124 40435	10µF 20% 50V				
2226 4822 121 42408	220nF 5% 63V		2388 4822 122 31773	560pF 5% 50V				
2228 4822 122 32927	220nF		2390 4822 122 32863	22nF 80% 50V				
2234 4822 121 42408	220nF 5% 63V		2391 4822 122 32863	22nF 80% 50V				
			2392 4822 122 32863	22nF 80% 50V				
			2433 4822 122 32863	22nF 80% 50V				
			2434 4822 122 32863	22nF 80% 50V				
			2435 4822 122 32863	22nF 80% 50V				
			2438 4822 122 32863	22nF 80% 50V		3100 4822 051 10102	1k 2% 0.25W	
			2440 4822 122 32863	22nF 80% 50V		3101 4822 116 52175	100Ω 5% 0.5W	
			2442 4822 122 32863	22nF 80% 50V		3104 4822 116 52175	100Ω 5% 0.5W	
			2445 4822 122 32893	100nF 80% 50V		3105 4822 051 10101	100Ω 2% 0.25W	
			2446 4822 122 32893	100nF 80% 50V		3115 4822 116 52175	100Ω 5% 0.5W	
			2447 4822 122 32893	100nF 80% 50V		3117 4822 051 20222	2k2 5% 0.1W	
			2451 5322 121 42661	330nF 5% 63V		3119 4822 051 20222	2k2 5% 0.1W	
						3120 4822 051 20222	2k2 5% 0.1W	
						3121 4822 051 10123	12k 2% 0.25W	
						3122 4822 051 10472	4k7 2% 0.25W	



3123	4822 051 10472	4k7 2% 0,25W
3124	4822 051 10101	100Ω 2% 0,25W
3125	4822 051 10101	100Ω 2% 0,25W
3126	4822 051 10101	100Ω 2% 0,25W
3127	4822 051 10101	100Ω 2% 0,25W
3129	4822 116 52175	100Ω 5% 0,5W
3131	4822 116 52175	100Ω 5% 0,5W
3132	4822 116 52175	100Ω 5% 0,5W
3134	4822 116 52175	100Ω 5% 0,5W
3135	4822 051 10101	100Ω 2% 0,25W
3136	4822 051 10101	100Ω 2% 0,25W
3137	4822 116 52191	33Ω 5% 0,5W
3138	4822 116 52175	100Ω 5% 0,5W
3139	4822 116 52175	100Ω 5% 0,5W
3140	4822 116 52204	1k 5% 0,5W
3141	4822 116 52204	1k 5% 0,5W
3142	4822 116 52204	1k 5% 0,5W
3143	4822 116 52204	1k 5% 0,5W
3144	4822 116 52204	1k 5% 0,5W
3145	4822 116 52204	1k 5% 0,5W
3146	4822 116 52204	1k 5% 0,5W
3148	4822 051 10473	47k 2% 0,25W
3149	4822 051 10473	47k 2% 0,25W
3150	4822 051 10473	47k 2% 0,25W
3151	4822 051 10562	5k6 2% 0,25W
3152	4822 051 10103	10k 2% 0,25W
3153	4822 051 10103	10k 2% 0,25W
3154	4822 051 10132	1k3 2% 0,25W
3155	4822 051 10104	100k 2% 0,25W
3156	4822 051 20183	18k 5% 0,1W
3157	4822 116 52204	1k 5% 0,5W
3158	4822 116 52204	1k 5% 0,5W
3159	4822 051 10333	33k 2% 0,25W
3160	4822 052 10758	7Ω 5% 0,33W
3160	4822 111 30508	10Ω 5% 0,33W
3162	4822 050 27508	7Ω 5% 0,6W
3163	4822 051 10223	22k 2% 0,25W
3164	4822 051 10101	100Ω 2% 0,25W
3165	4822 051 10101	100Ω 2% 0,25W
3166	4822 052 10568	5Ω 6% 0,33W
3170	4822 116 82772	3Ω 9% 0,3W
3171	4822 052 11511	510Ω 5% 0,5W
3172	4822 052 10229	22Ω 5% 0,33W
3175	4822 116 52233	10k 5% 0,5W
3176	4822 116 52234	100k 5% 0,5W
3177	4822 051 10913	91k 2% 0,25W
3178	4822 051 10103	10k 2% 0,25W
3180	4822 116 52224	470Ω 5% 0,5W
3181	4822 051 10822	8k2 2% 0,25W
3182	4822 116 52214	200Ω 5% 0,5W
3183	4822 116 52233	10k 5% 0,5W
3184	4822 116 90536	120Ω 1% 0,125W
3185	4822 051 10471	470Ω 2% 0,25W
3186	4822 116 52256	2k2 5% 0,5W
3187	4822 051 10759	75Ω 2% 0,25W
3188	4822 051 10102	1k 2% 0,25W
3189	4822 051 10223	22k 2% 0,25W
3190	4822 051 10183	18k 2% 0,25W
3191	4822 051 10183	18k 2% 0,25W
3192	4822 116 52233	10k 5% 0,5W
3193	4822 051 10331	330Ω 2% 0,25W
3194	4822 051 10331	330Ω 2% 0,25W
3196	4822 051 10473	47k 2% 0,25W
3197	4822 051 10473	47k 2% 0,25W
3205	4822 051 10759	75Ω 2% 0,25W
3206	4822 051 10759	75Ω 2% 0,25W
3207	4822 051 10759	75Ω 2% 0,25W
3208	4822 051 10101	100Ω 2% 0,25W
3209	4822 051 10101	100Ω 2% 0,25W
3210	4822 051 10101	100Ω 2% 0,25W
3211	4822 116 52217	270Ω 5% 0,5W
3215	4822 051 10689	68Ω 2% 0,25W
3216	4822 052 10159	15Ω 5% 0,33W



3217	4822 116 52224	470Ω 5% 0,5W
3218	4822 051 10471	470Ω 2% 0,25W
3219	4822 051 10471	470Ω 2% 0,25W
3220	4822 051 10471	470Ω 2% 0,25W
3222	4822 116 52217	270Ω 5% 0,5W
3224	4822 051 10759	75Ω 2% 0,25W
3225	4822 116 52219	330Ω 5% 0,5W
3226	4822 051 10152	1k5 2% 0,25W
3227	4822 051 10112	1k1 2% 0,25W
3228	4822 051 10474	470k 2% 0,25W
3229	4822 051 10331	330Ω 2% 0,25W
3230	4822 116 52204	1k 5% 0,5W
3231	4822 051 10681	680Ω 2% 0,25W
3232	4822 051 10102	1k 2% 0,25W
3233	4822 051 10102	1k 2% 0,25W
3234	4822 051 10759	75Ω 2% 0,25W
3235	4822 051 10759	75Ω 2% 0,25W
3237	4822 116 52217	270Ω 5% 0,5W
3238	4822 116 52222	390Ω 5% 0,5W
3239	4822 051 10271	270Ω 2% 0,25W
3240	4822 051 10759	75Ω 2% 0,25W
3241	4822 051 10759	75Ω 2% 0,25W
3253	4822 051 10561	560Ω 2% 0,25W
3254	4822 052 10159	15Ω 5% 0,33W
3255	4822 051 10101	100Ω 2% 0,25W
3256	4822 051 10103	10k 2% 0,25W
3257	4822 051 10103	10k 2% 0,25W
3259	4822 051 10103	10k 2% 0,25W
3260	4822 052 10159	15Ω 5% 0,33W
3261	4822 051 10471	470Ω 2% 0,25W
3262	4822 051 10103	10k 2% 0,25W
3263	4822 051 10689	68Ω 2% 0,25W
3264	4822 051 10471	470Ω 2% 0,25W
3266	4822 051 10103	10k 2% 0,25W
3267	4822 051 10103	10k 2% 0,25W
3285	4822 051 10101	100Ω 2% 0,25W
3286	4822 051 10101	100Ω 2% 0,25W
3300	4822 051 10103	10k 2% 0,25W
3301	4822 051 10332	3k3 2% 0,25W
3303	4822 051 10241	240Ω 2% 0,25W
3304	4822 051 10241	240Ω 2% 0,25W
3305	4822 051 10104	100k 2% 0,25W
3306	4822 051 10241	240Ω 2% 0,25W
3310	4822 116 52207	1k2 5% 0,5W
3311	4822 051 10132	1k3 2% 0,25W
3312	4822 051 10511	510Ω 2% 0,25W
3313	4822 051 10302	3k 2% 0,25W
3314	4822 051 10102	1k 2% 0,25W
3315	4822 051 10103	10k 2% 0,25W
3316	4822 051 10112	1k1 2% 0,25W
3317	4822 116 52233	10k 5% 0,5W
3324	4822 051 10223	22k 2% 0,25W
3325	4822 051 10682	6k8 2% 0,25W
3326	4822 051 10103	10k 2% 0,25W
3327	4822 051 10122	1k2 2% 0,25W
3328	4822 051 10271	270Ω 2% 0,25W
3330	4822 051 10108	1Ω 5% 0,25W
3331	4822 051 10108	1Ω 5% 0,25W
3336	4822 051 10472	4k7 2% 0,25W
3338	4822 051 10391	390Ω 2% 0,25W
3339	4822 051 10391	390Ω 2% 0,25W
3339	4822 051 10153	15k 2% 0,25W
3342	4822 051 20222	2k2 5% 0,1W
3342	4822 051 10472	4k7 2% 0,25W
3344	4822 051 10273	27k 2% 0,25W
3350	4822 116 90536	120Ω 1% 0,125W
3351	4822 051 10472	4k7 2% 0,25W
3353	4822 051 10332	3k3 2% 0,25W
3360	4822 111 30494	2Ω 7% 0,33W
3361	4822 051 10102	1k 2% 0,25W
3369	4822 051 10331	330Ω 2% 0,25W
3370	4822 100 11391	330Ω LIN
3371	4822 051 10431	430Ω 2% 0,25W



3372	4822 051 10331	330Ω 2% 0,25W
3376	4822 116 52286	5k1 5% 0,5W
3377	4822 051 10332	3k3 2% 0,25W
3377	4822 051 10103	10k 2% 0,25W
3380	4822 116 52204	1k 5% 0,5W
3383	4822 051 10103	10k 2% 0,25W
3385	4822 051 10105	1M 5% 0,25W
3387	4822 116 52204	1k 5% 0,5W
3389	4822 051 10182	1k8 2% 0,25W
3390	4822 051 10911	910Ω 2% 0,25W
3399	4822 116 80176	1Ω 5% 0,5W
3400	4822 051 10471	470Ω 2% 0,25W
3410	4822 116 52224	470Ω 5% 0,5W
3425	4822 116 52224	470Ω 5% 0,5W
3426	4822 116 52224	470Ω 5% 0,5W
3439	4822 051 10181	180Ω 2% 0,25W
3441	4822 051 10181	180Ω 2% 0,25W
3443	4822 051 10181	180Ω 2% 0,25W
3450	4822 051 20222	2k2 5% 0,1W
3451	4822 051 10432	4k3 2% 0,25W
3453	4822 051 10108	1Ω 5% 0,25W
3454	4822 051 10101	100Ω 2% 0,25W
3455	4822 051 10101	100Ω 2% 0,25W
3456	4822 051 10101	100Ω 2% 0,25W
3465	4822 116 52283	4k7 5% 0,5W
3475	4822 051 10124	120k 2% 0,25W
3476	4822 051 10154	150k 2% 0,25W
3477	4822 116 52264	27k 5% 0,5W
3478	4822 051 10101	100Ω 2% 0,25W
3480	4822 111 30494	2Ω 7% 0,33W
3481	4822 111 30494	2Ω 7% 0,33W
3482	4822 116 52223	430Ω 5% 0,5W
3483	4822 116 52175	100Ω 5% 0,5W
3485	4822 051 10682	6k8 2% 0,25W
3486	4822 051 10123	12k 2% 0,25W
3487	4822 051 10682	6k8 2% 0,25W
3489	4822 051 10101	100Ω 2% 0,25W
3492	4822 051 10471	470Ω 2% 0,25W
3600	4822 051 10362	3k6 2% 0,25W
3602	4822 100 11212	2k2 30%
3603	4822 051 10332	3k3 2% 0,25W
3604	4822 051 10182	1k8 2% 0,25W
3605	4822 051 10472	4k7 2% 0,25W
3606	4822 052 10279	27Ω 5% 0,33W
3608	4822 051 10101	100Ω 2% 0,25W
3610	4822 051 10101	100Ω 2% 0,25W
3620	4822 051 10183	18k 2% 0,25W
3622	4822 051 10183	18k 2% 0,25W
3624	4822 051 10102	1k 2% 0,25W
3626	4822 051 10183	18k 2% 0,25W
3628	4822 051 10102	1k 2% 0,25W
3630	4822 051 10183	18k 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3634	4822 051 10183	18k 2% 0,25W
3636	4822 051 10102	1k 2% 0,25W
3638	4822 051 10183	18k 2% 0,25W
3640	4822 051 10102	1k 2% 0,25W
3642	4822 051 10183	18k 2% 0,25W
3644	4822 051 10102	1k 2% 0,25W
3646	4822 051 10183	18k 2% 0,25W
3650	4822 051 10392	3k9 2% 0,25W
3651	4822 051 10123	12k 2% 0,25W
3652	4822 051 10392	3k9 2% 0,25W
3653	4822 051 10123	12k 2% 0,25W
3654	4822 116 52244	15k 5% 0,5W
3660	4822 051 10331	330Ω 2% 0,25W
3662	4822 051 10151	150Ω 2% 0,25W
3664	4822 051 10331	330Ω 2% 0,25W
3665	4822 052 10159	15Ω 5% 0,33W
3666	4822 051 10151	150Ω 2% 0,25W
3668	4822 051 10331	330Ω 2% 0,25W
3672	4822 051 10331	330Ω 2% 0,25W
3680	4822 052 10279	27Ω 5% 0,33W

jump

4066
4100
4101
4103
4105
4106
4107
4108
4109
4110
4112
4118
4119
4120
4121
4130
4162
4164
4184
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4376
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4450
4452
4476
4480
4497
4498
4500
4591
4610
4672
4673
9091

SMALL SIGNAL PANEL



3682	4822 051 10568	5Ω 5% 0,25W
3684	4822 116 52175	100Ω 5% 0,5W
3686	4822 116 52175	100Ω 5% 0,5W
3700	4822 116 52263	2k7 5% 0,5W
3702	4822 051 10223	22k 2% 0,25W
3704	4822 051 10102	1k 2% 0,25W
3706	4822 111 30508	10Ω 5% 0,33W
3708	4822 051 10101	100Ω 2% 0,25W
3710	4822 051 20183	18k 5% 0,1W
3712	4822 116 52203	91Ω 5% 0,5W
3713	4822 116 52203	91Ω 5% 0,5W
3714	4822 051 10828	8Ω 2% 0,25W
3720	4822 111 30508	10Ω 5% 0,33W
3722	4822 116 52263	2k7 5% 0,5W
3724	4822 051 10223	22k 2% 0,25W
3726	4822 051 10102	1k 2% 0,25W
3728	4822 051 10101	100Ω 2% 0,25W
3730	4822 051 20183	18k 5% 0,1W
3732	4822 116 52203	91Ω 5% 0,5W
3733	4822 116 52203	91Ω 5% 0,5W
3734	4822 051 10828	8Ω 2% 0,25W

jumpers

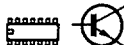
4066	4822 051 10008	jumper
4100	4822 051 10008	jumper
4101	4822 051 10008	jumper
4103	4822 051 10008	jumper
4105	4822 051 10008	jumper
4106	4822 051 10008	jumper
4107	4822 051 10008	jumper
4108	4822 051 10008	jumper
4109	4822 051 10008	jumper
4110	4822 051 10008	jumper
4112	4822 051 10008	jumper
4118	4822 051 10008	jumper
4119	4822 051 10008	jumper
4120	4822 051 10008	jumper
4121	4822 051 10008	jumper
4130	4822 051 10008	jumper
4162	4822 051 20008	jumper
4164	4822 051 10008	jumper
4184	4822 051 10008	jumper
4200	4822 051 10008	jumper
4201	4822 051 10008	jumper
4203	4822 051 10008	jumper
4209	4822 051 10008	jumper
4227	4822 051 10008	jumper
4246	4822 051 10008	jumper
4262	4822 051 10008	jumper
4280	4822 051 10008	jumper
4300	4822 051 10008	jumper
4319	4822 051 10008	jumper
4320	4822 051 10008	jumper
4325	4822 051 10008	jumper
4350	4822 051 10008	jumper
4376	4822 051 10008	jumper
4420	4822 051 10008	jumper
4450	4822 051 10008	jumper
4452	4822 051 10008	jumper
4476	4822 051 10008	jumper
4480	4822 051 10008	jumper
4497	4822 051 10008	jumper
4498	4822 051 10008	jumper
4500	4822 051 20008	jumper
4591	4822 051 10008	jumper
4610	4822 051 10008	jumper
4672	4822 051 10008	jumper
4673	4822 051 10008	jumper
9091	4822 051 10008	jumper



5100	4822 156 20966	47μH 10%
5115	4822 157 51462	10μH 10%
5305	4822 157 62823	26μH 6%
5310	4822 157 52136	82μH 10%
5345	4822 157 62822	4,5μH 6%
5346	4822 157 62823	26μH 6%
5370	4822 157 62824	7,5μH 6%



6117	4822 130 80906	LLZ-F7V5
6120	4822 130 80446	LL4148
6121	4822 130 80446	LL4148
6163	4822 130 81226	LLZ-F33
6172	4822 130 80906	LLZ-C7V5
6173	4822 130 80446	LL4148
6178	4822 130 81222	LLZ-C15
6205	4822 130 80446	LL4148
6206	4822 130 80446	LL4148
6207	4822 130 80446	LL4148
6342	4822 130 80888	BA682
6343	4822 130 80888	BA682
6386	4822 130 80446	LL4148
6387	4822 130 80954	LLZ-C5V6
6400	4822 130 80906	BZV55-C7V5
6450	4822 130 81512	LLZ-C6V2
6465	4822 130 80446	LL4148
6478	4822 130 82346	LLZ-C27
6479	4822 130 80877	BAV103
6480	4822 130 82348	LLZ-F9V1
6481	4822 130 30621	1N4148
6485	4822 130 80446	LL4148
6660	4822 130 80446	LL4148
6661	4822 130 81223	LLZ-C2V4
6662	4822 130 80446	LL4148
6663	4822 130 81223	LLZ-C2V4



7119	5322 130 41982	BC848B
7120	5322 130 41982	BC848B
7121	5322 130 41983	BC858B
7137	4822 209 71521	X2404
7175	5322 130 41982	BC848B
7176	5322 130 41982	BC848B
7182	5322 130 44743	BSR12
7183	5322 130 41982	BC848B
7186	4822 209 73852	PMBT2369
7188	5322 130 41982	BC848B
7190	5322 130 41982	BC848B
7193	4822 209 61115	LF353N
7193	4822 209 83163	LM833N
7216	4822 130 42615	BC817-40
7219	4822 209 63292	TEA6414
7226	5322 130 41983	BC858B
7228	5322 130 41982	BC848B
7258	5322 209 10421	TC4094BP
7260	4822 130 42615	BC817-40
7265	5322 130 41982	BC848B
7305	5322 130 41983	BC858B
7311	5322 130 41982	BC848B
7312	5322 130 42136	BC848C
7313	4822 130 42513	BC858C
7314	5322 130 42136	BC848C
7315	5322 130 42136	BC848C
7324	4822 209 71512	TDA4565/V6
7326	5322 130 42136	BC848C
7338	5322 130 41982	BC848B
7350	5322 130 41982	BC848B
7360	4822 130 42615	BC817-40



7364	4822 209 70019	TDA4510/V2/S8
7365	4822 209 63109	TDA4650/V3
7366	4822 209 63108	TDA4660/V2
7410	4822 209 73852	PMBT2369
7430	4822 209 63298	TDA4680/V4
7450	5322 130 42136	BC848C
7451	5322 130 42136	BC848C
7480	5322 130 44921	BD943
7485	4822 130 42513	BC858C
7486	5322 130 42136	BC848C
7492	5322 130 42136	BC848C
7600	4822 209 63294	TDA8417/V1
7620	4822 209 10263	4052B
7622	4822 209 10263	4052B
7630	4822 209 83163	LM833N
7635	4822 209 83163	LM833N
7660	5322 130 41982	BC848B
7661	5322 130 41982	BC848B
7662	5322 130 41982	BC848B
7680	4822 209 73213	TDA8425/V5
7704	4822 209 83163	LM833N
7706	5322 130 41982	BC848B
7708	5322 130 41983	BC858B
7730	5322 130 41982	BC848B
7732	5322 130 41983	BC858B

PIP PANEL



6300 4822 130 80906 LLZ-C7V5

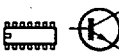


7103 5322 130 41982 BC848B
7105 5322 130 41982 BC848B
7125 4822 209 62477 TDA4554/V8
7126 4822 209 70019 TDA4510/V2/S8
7200 5322 130 41982 BC848B
7210 5322 130 41982 BC848B
7233 5322 130 41983 BC858B
7234 5322 130 41982 BC848B
7335 5322 130 41982 BC848B
7337 5322 130 41982 BC848B
7338 5322 130 41982 BC848B
7350 4822 130 42616 BC818-40
7380 4822 209 60479 TEA5114A
7400 5322 130 41983 BC858B
7402 5322 130 41983 BC858B
7404 5322 130 41983 BC858B
7406 4822 209 62473 SDA9087
7408 4822 209 63291 SDA9088/2R
7410 4822 209 63293 SDA9086-2
7755 4822 209 72363 TDA2579A/N8

4822 265 41087 9 PIN 4822 265 41087 9 PIN	 2188 4822 122 31797 22nF 10% 63V 2188 4822 122 33608 39nF 10% 63V 2189 4822 126 10171 2,7nF 5% 50V 2190 4822 122 32999 2,2nF 5% 50V 2191 4822 122 31773 560pF 5% 50V 2192 4822 121 51252 470nF 5% 63V 2197 4822 124 40272 33μF 20% 16V 2198 4822 124 40272 33μF 20% 16V 2199 4822 122 32442 10nF 50V	jumpers 4110 4822 051 10008 jumper 4111 4822 051 10008 jumper
Various parts 1106 4822 242 72301 filter TH316BOM-20800DAF 1106 4822 242 72303 crystal TH316BQM 1120 4822 242 72302 crystal 5,850 MHz 1120 4822 242 72436 crystal 12 MHz 1140 4822 242 72304 crystal 5,824 MHz		 5124 4822 157 51238 820μH 10% 5125 4822 157 51238 820μH 10% 5155 4822 157 53575 3,3μH 10% 5160 4822 157 51462 10μH 10%
 2100 5322 122 31647 1nF 10% 63V 2101 4822 122 31981 33nF +-0,5pF 50V 2102 4822 122 31797 22nF 10% 63V 2106 5322 122 31647 1nF 10% 63V 2107 4822 122 32442 10nF 50V 2110 4822 122 32442 10nF 50V 2111 4822 124 22606 68μF 20% 16V 2112 4822 121 51252 470nF 5% 63V 2113 4822 121 51252 470nF 5% 63V 2115 4822 122 31774 56pF 5% 50V 2117 4822 125 50045 20pF 2118 4822 122 32504 15pF 5% 50V 2120 4822 122 31769 18pF 5% 50V 2121 4822 122 32442 10nF 50V 2122 4822 121 51252 470nF 5% 63V 2124 4822 122 31965 220pF 5% 63V 2125 4822 122 31965 220pF 5% 63V 2126 4822 122 32442 10nF 50V 2127 4822 122 32442 10nF 50V 2128 4822 122 33496 100nF 10% 63V 2130 4822 122 33496 100nF 10% 63V 2132 4822 122 33496 100nF 10% 63V 2134 4822 122 33496 100nF 10% 63V 2136 4822 122 32442 10nF 50V 2137 4822 121 51252 470nF 5% 63V 2138 4822 122 32442 10nF 50V 2139 4822 122 31774 56pF 5% 50V 2140 4822 122 32482 22pF 5% 63V 2141 4822 122 31769 18pF 5% 50V 2142 4822 122 32504 15pF 5% 50V 2143 4822 122 32504 15pF 5% 50V 2144 4822 122 32504 15pF 5% 50V 2145 4822 122 33496 100nF 10% 63V 2150 4822 122 33496 100nF 10% 63V 2152 4822 122 33496 100nF 10% 63V 2154 4822 122 31772 47pF 5% 50V 2155 4822 125 50045 20pF trim. 2156 4822 122 32442 10nF 50V 2158 4822 122 31972 39pF 5% 50V 2159 4822 122 31772 47pF 5% 50V 2165 4822 124 41506 47μF 20% 16V 2166 4822 122 31797 22nF 10% 63V 2170 4822 122 33496 100nF 10% 63V 2171 4822 124 41643 100μF 20% 16V 2175 4822 124 40433 47μF 20% 25V 2176 4822 122 31797 22nF 10% 63V 2177 4822 122 32442 10nF 10% 50V 2177 4822 122 31759 18nF 10% 63V 2178 4822 122 31797 22nF 10% 63V 2178 4822 122 33608 39nF 10% 63V 2179 4822 126 10171 2,7nF 5% 50V 2180 4822 122 32999 2,2nF 5% 50V 2181 4822 122 31773 560pF 5% 50V 2182 4822 121 51252 470nF 5% 63V 2185 4822 124 40433 47μF 20% 25V 2186 4822 122 31797 22nF 10% 63V 2187 4822 122 32442 10nF 10% 50V 2187 4822 122 31759 18nF 10% 63V	 3100 4822 051 10432 4k3 2% 0,25W 3101 4822 051 10103 10k 2% 0,25W 3102 4822 052 10129 12Ω 5% 0,33W 3103 4822 051 10271 270Ω 2% 0,25W 3104 4822 051 10111 110Ω 2% 0,25W 3105 4822 051 10241 240Ω 2% 0,25W 3106 4822 051 10471 470Ω 2% 0,25W 3107 4822 051 10471 470Ω 2% 0,25W 3110 4822 111 30494 2Ω7 5% 0,33W 3112 4822 051 10154 150k 2% 0,25W 3113 4822 051 10224 220k 2% 0,25W 3115 4822 051 10511 510Ω 2% 0,25W 3120 4822 051 10102 1k 2% 0,25W 3122 4822 051 10393 39k 2% 0,25W 3137 4822 051 10393 39k 2% 0,25W 3139 4822 051 10471 470Ω 2% 0,25W 3140 4822 051 10102 1k 2% 0,25W 3142 4822 051 10331 330Ω 2% 0,25W 3145 4822 052 10228 2Ω2 5% 0,33W 3146 4822 051 10101 100Ω 2% 0,25W 3147 4822 051 10101 100Ω 2% 0,25W 3150 4822 111 30494 2Ω7 5% 0,33W 3152 4822 051 10102 1k 2% 0,25W 3153 4822 051 10103 10k 2% 0,25W 3160 4822 051 10104 100k 2% 0,25W 3161 4822 051 10104 100k 2% 0,25W 3162 4822 051 10473 47k 2% 0,25W 3165 4822 111 30494 2,7Ω 5% 0,33W 3166 4822 116 52276 3k9 5% 0,5W 3170 4822 111 30494 2Ω7 5% 0,33W 3175 4822 111 30508 10Ω 5% 0,33W 3177 4822 051 10103 10k 2% 0,25W 3178 4822 051 10182 1k8 2% 0,25W 3179 4822 051 10472 4k7 2% 0,25W 3180 4822 051 10472 4k7 2% 0,25W 3182 4822 051 10183 18k 2% 0,25W 3184 4822 051 10682 6k8 2% 0,25W 3185 4822 111 30508 10Ω 5% 0,33W 3186 4822 051 10008 jumper 3187 4822 051 10103 10k 2% 0,25W 3188 4822 051 10182 1k8 2% 0,25W 3189 4822 051 10472 4k7 2% 0,25W 3190 4822 051 10472 4k7 2% 0,25W 3192 4822 051 10183 18k 2% 0,25W 3196 4822 051 10008 jumper 3197 4822 051 10331 330Ω 2% 0,25W 3198 4822 051 10229 22Ω 2% 0,25W 3198 4822 051 10101 100Ω 2% 0,25W	 6154 4822 130 82352 BB215 6197 4822 130 81027 LLZ-C11   7100 5322 130 42136 BC848C 7101 4822 130 60514 BC859B 7110 4822 209 73558 TA8662N 7145 5322 209 10883 PCF8574P 7150 4822 209 61114 CF70123 7160 4822 130 61207 BC848 7165 4822 209 73561 SAA7220P/C 7170 4822 209 73236 TDA1543/N2 7175 4822 209 83163 LM833N 7185 4822 209 83163 LM833N 7195 5322 209 10576 4053B 7198 4822 130 61207 BC848
	jumpers 4101 4822 051 10008 jumper 4102 4822 051 10008 jumper 4103 4822 051 10008 jumper 4104 4822 051 10008 jumper 4105 4822 051 10008 jumper 4106 4822 051 10008 jumper 4107 4822 051 10008 jumper 4108 4822 051 10008 jumper 4109 4822 051 10008 jumper	

PICTURE TUBE PANEL

4822 265 20509 2P male 4822 265 40596 2P male Vg2 4822 255 70257 picture tube socket 4822 267 40985 6P male 4822 290 40295 7P male	 5700 4822 157 52506 12μH 7,5%	
 2700 4822 122 33496 100nF 10% 63V 2701 4822 122 33205 12pF 10% 63V 2702 4822 122 31808 150pF 10% 50V 2703 4822 122 33125 180pF 10% 63V 2704 4822 124 23494 10μF 20% 250V 2705 4822 124 40272 33μF 20% 16V 2706 4822 122 31797 22nF 10% 63V 2707 4822 126 11166 1nF 10% 2kV 2708 4822 122 31773 560pF 5% 50V 2709 4822 122 31825 27pF 10% 50V 2711 4822 122 33205 12pF 10% 63V 2713 4822 121 42066 27 nF 10% 400V 2715 4822 121 42066 27 nF 10% 400V 2721 4822 122 33205 12pF 10% 63V	 6700 4822 130 80879 LLZ-C3V0 6701 4822 130 80877 BAV103 6702 4822 130 80877 BAV103 6703 4822 130 80877 BAV103 6704 4822 130 80877 BAV103 6705 4822 130 80877 BAV103 6706 4822 130 80877 BAV103 6707 4822 130 82345 LLZ-C22 6708 4822 130 30842 BAV21 6709 4822 130 30842 BAV21 6710 4822 130 82192 LLZ-C8V2 6711 4822 130 30842 BAV21 6712 4822 130 80877 BAV103 6713 4822 130 80877 BAV103	
 3537 4822 052 11128 1Ω2 5% 0,5W 3700 4822 051 10182 1k8 2% 0,25W 3702 4822 051 10152 1k5 2% 0,25W 3704 4822 051 20222 2k2 5% 0,1W 3705 5322 111 90282 2k4 5% 0,125W 3706 4822 116 52239 120k 5% 0,5W 3708 4822 111 50518 1k5 5% 0,5W 3710 4822 051 10008 jumper 3714 4822 051 20222 2k2 5% 0,1W 3715 5322 111 90282 2k4 5% 0,125W 3716 4822 116 52239 120k 5% 0,5W 3718 4822 111 50518 1k5 5% 0,5W 3719 4822 051 10008 jumper 3720 4822 051 10823 82k 2% 0,25W 3724 4822 051 20222 2k2 5% 0,1W 3725 5322 111 90282 2k4 5% 0,125W 3726 4822 116 52239 120k 5% 0,5W 3727 4822 111 50518 1k5 5% 0,5W 3728 4822 111 50518 1k5 5% 0,5W 3730 4822 111 50518 1k5 5% 0,5W 3731 4822 052 10279 27Ω 5% 0,33W 3732 4822 052 11101 100Ω 5% 0,5W 3734 4822 051 10114 110k 2% 0,25W 3735 4822 051 10103 10k 2% 0,25W 3736 4822 051 10333 33k 2% 0,25W 3737 4822 051 10203 20k 2% 0,25W 3738 4822 116 52304 82k 5% 0,5W 3739 4822 116 52186 22Ω 5% 0,5W 3740 4822 051 10114 110k 2% 0,25W 3741 4822 051 10124 120k 2% 0,25W 3742 4822 051 10333 33k 2% 0,25W 3743 4822 051 10333 33k 2% 0,25W 3744 4822 051 10392 3k9 2% 0,25W 3745 4822 051 10392 3k9 2% 0,25W 3746 4822 116 52276 3k9 5% 0,5W 3751 4822 051 10008 jumper 3752 4822 051 10008 jumper 3753 4822 051 10008 jumper	  7704 4822 130 60373 BC856B 7705 4822 209 63295 TDA6100Q/N2 7706 4822 209 63295 TDA6100Q/N2 7707 4822 209 63295 TDA6100Q/N2 7708 4822 130 41646 BF423 7709 4822 130 41646 BF423 7710 4822 130 41646 BF423	
jumpers 4709 4822 051 10008 jumper 4714 4822 051 10008 jumper 4743 4822 051 10008 jumper 4760 4822 051 10008 jumper		

					
4822 265 41083	10P		3152	4822 051 20222	2k2 5% 0,1W
4822 265 41083	10P		3154	4822 051 10221	220Ω 2% 0,25W
Various parts			3156	4822 051 10681	680Ω 2% 0,25W
1110	4822 242 71417	crystal 13,875 000 MHz	3158	4822 051 10221	220Ω 2% 0,25W
			3160	4822 052 10108	1Ω 5% 0,33W
2100	4822 124 41576	2,2μF 20% 50V	3489	4822 051 10911	910Ω 2% 0,25W
2101	4822 124 41576	2,2μF 20% 50V	3490	4822 051 10223	22k 2% 0,25W
2102	4822 122 31797	22nF 10% 63V	3491	4822 051 10472	4k7 2% 0,25W
2104	4822 124 41643	100μF 20% 16V	3492	4822 051 10271	270Ω 2% 0,25W
2106	4822 122 33205	12pF 10% 63V	3493	4822 051 10512	5k1 2% 0,25W
2108	4822 122 32542	47nF 10% 63V	3494	4822 051 10432	4k3 2% 0,25W
2110	4822 124 41506	47μF 20% 16V	3495	4822 051 10511	510Ω 2% 0,25W
2112	4822 122 32442	10nF 50V	3496	4822 051 10202	2k 2% 0,25W
2114	4822 122 32542	47nF 10% 63V	jumpers		
2116	4822 122 31825	27pF 10% 50V	4101	4822 051 10008	jumper
2118	4822 122 32504	15pF 5% 50V	4102	4822 051 10008	jumper
2119	4822 122 32444	33pF 5% 50V	4103	4822 051 10008	jumper
2120	4822 122 32442	10nF 50V	4106	4822 051 10008	jumper
2122	4822 122 32504	15pF 5% 50V	4107	4822 051 10008	jumper
2124	5322 122 31647	1nF 10% 63V	4108	4822 051 10008	jumper
2125	4822 122 31773	560pF 5% 50V	4109	4822 051 10008	jumper
2126	4822 122 31727	470pF 5% 63V	4110	4822 051 10008	jumper
2128	4822 122 31797	22nF 10% 63V	4111	4822 051 10008	jumper
2130	4822 122 32142	270pF 5% 63V	4112	4822 051 10008	jumper
2132	4822 122 31765	100pF 5% 50V			
2134	4822 122 32891	68nF 10% 63V	5100	4822 157 62821	50μH
2136	4822 122 31965	220pF 5% 63V	5102	4822 157 50965	15μH 10%
2142	4822 122 31797	22nF 10% 63V	5104	4822 157 52392	27μH 10%
2144	4822 122 31797	22nF 10% 63V	5106	4822 157 51235	4,7μH 10%
2152	4822 122 31797	22nF 10% 63V	5108	4822 157 51235	4,7μH 10%
2154	4822 124 40435	10μF 20% 50V			
2156	4822 122 31765	100pF 5% 50V	7100	4822 209 72972	SAA5231/V6
2492	4822 122 31797	22nF 10% 63V	7102	4822 209 73879	SAA5243P/E/M2
			7104	4822 209 72681	MSM5165ALRS-12
3001	4822 051 10229	22Ω 2% 0,25W	7106	4822 130 61207	BC848
3001	4822 051 10279	27Ω 2% 0,25W	7107	4822 130 42513	BC858C
3100	4822 052 10189	18Ω 5% 0,33W	7108	4822 130 61207	BC848
3101	4822 051 10103	10k 2% 0,25W	7110	4822 130 61207	BC848
3102	4822 051 10829	82Ω 2% 0,25W	7112	4822 130 61207	BC848
3103	4822 116 52231	820Ω 5% 0,5W	7114	4822 130 61207	BC848
3104	4822 051 10272	2k7 2% 0,25W	7116	5322 130 42012	BC858
3106	4822 116 52233	10k 5% 0,5W	7490	4822 130 61207	BC848
3107	4822 051 10223	22k 2% 0,25W	7491	4822 130 61207	BC848
3108	4822 051 10102	1k 2% 0,25W	7492	4822 130 61207	BC848
3109	4822 051 10562	5k6 2% 0,25W			
3110	4822 051 10683	68k 2% 0,25W			
3111	4822 051 10472	4k7 2% 0,25W			
3112	4822 051 10122	1k2 2% 0,25W			
3119	4822 051 10681	680Ω 2% 0,25W			
3120	4822 051 10471	470Ω 2% 0,25W			
3121	4822 051 10681	680Ω 2% 0,25W			
3122	4822 051 10471	470Ω 2% 0,25W			
3123	4822 051 10681	680Ω 2% 0,25W			
3124	4822 051 10471	470Ω 2% 0,25W			
3125	4822 051 10102	1k 2% 0,25W			
3132	4822 051 10151	150Ω 2% 0,25W			
3134	4822 051 10151	150Ω 2% 0,25W			
3136	4822 116 52257	22k 5% 0,5W			
3138	4822 051 10472	4k7 2% 0,25W			
3140	4822 051 10101	100Ω 2% 0,25W			
3142	4822 051 10101	100Ω 2% 0,25W			
3144	4822 051 10473	47k 2% 0,25W			
3146	4822 051 10102	1k 2% 0,25W			
3148	4822 051 10102	1k 2% 0,25W			
3150	4822 051 10683	68k 2% 0,25W			