

Service
Service
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FL 1.1 AC
FL 1.7 AA

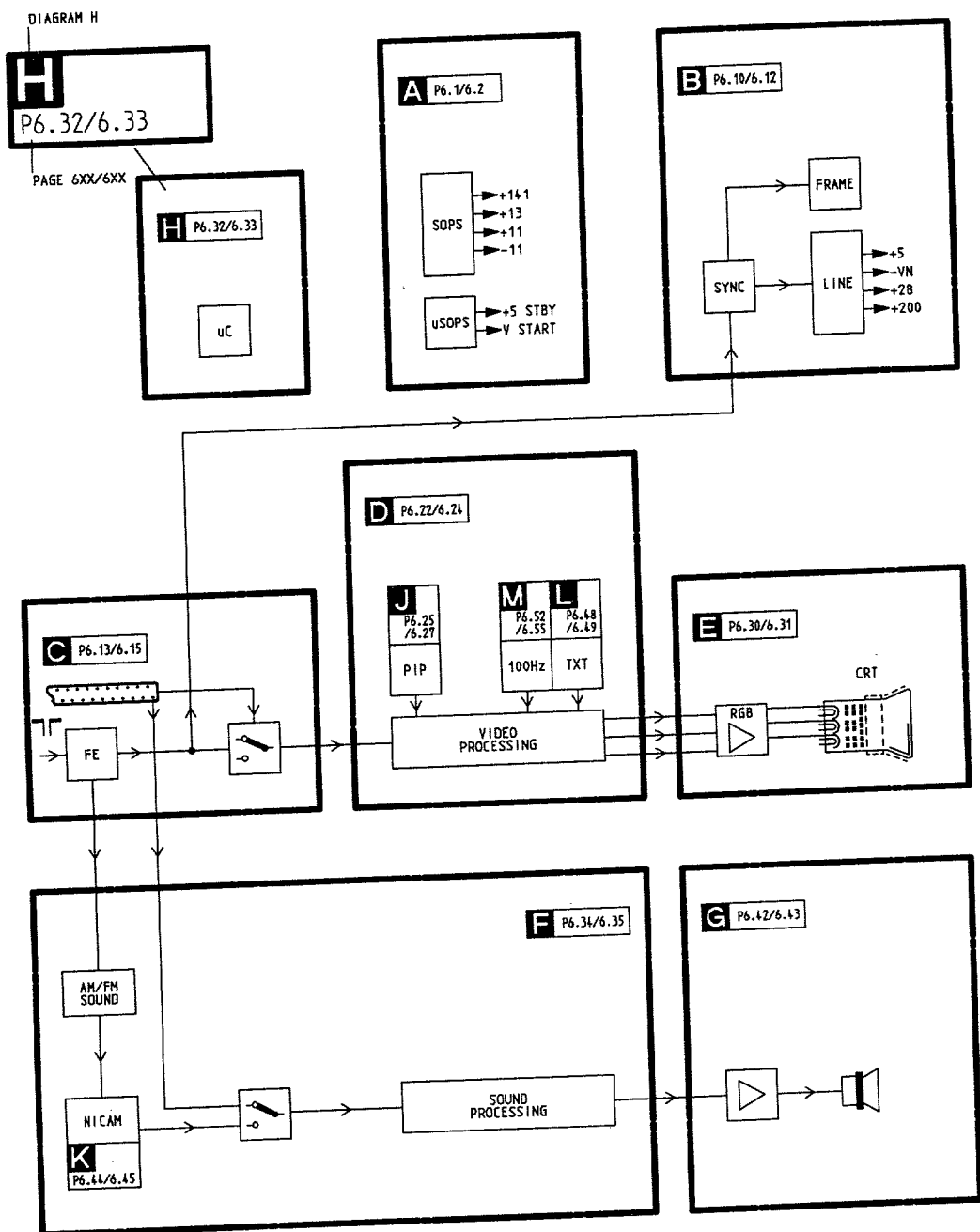
Service Manual

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1.2 CHASSIS FL1.1 Block diagram



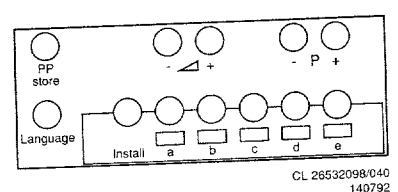
CHASSIS FL1.1
 16532009/011, X001
 24-07-92

Technical data

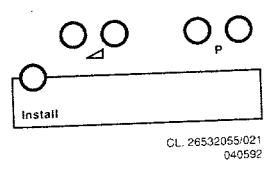
- Mains voltage : 220 - 240 V (± 10%)
 : 50 Hz - 60 Hz (± 5%)
- Aerial input impedance : 75 Ω - koaxial
- Minimum aerial voltage : 30 μV (VHF), 40 μV (UHF)
- Maximum aerial voltage VHF/S/UHF : 180 μV
- Pull-in range colour synchronization : ± 300 Hz
- Pull-in range horizontal synchronization : +200 Hz/-300Hz
- Programmes : 0 - 59
- VCR programmes : 0, 00, 50 - 59

Local operation functions:

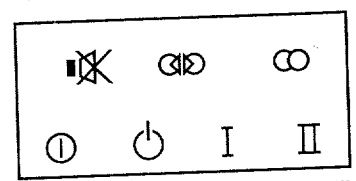
Indications:
 - On Screen Display (OSD)
 - LED:



FL1.1





FL1.7



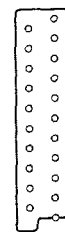

Connection facilities

1. Specification of the connectors






EXT1 (AUX)

- | | | |
|---|--|---|
|  | 1 -Audio \rightarrow R ($0,5V_{RMS} \leq 1k\Omega$) | |
| | 2 -Audio \rightarrow R ($0,2 - 2V_{RMS} \geq 10k\Omega$) | |
| | 3 -Audio \rightarrow L ($0,5V_{RMS} \leq 1k\Omega$) | |
| | 4 -Audio \perp | |
| | 5 -Blue \perp | |
| | 6 -Audio \rightarrow L ($0,2 - 2V_{RMS} \geq 10k\Omega$) | |
| | 7 -Blue ($0,7V_{pp}/75\Omega$) | |
| | 8 -CVBS-status 1 \rightarrow | 0-2V: int
4,5-7V: ext 16:9
9,5-12V: ext 4:3 |
| | 9 -Green \perp | |
| | 10 -- | |
| | 11 -Green ($0,7V_{pp}/75\Omega$) | |
| | 12 -- | |
|  | 13 -Red \perp | |
| | 14 -- | |
| | 15 -Red ($0,7V_{pp}/75\Omega$) | |
| | 16 -RGB-status (0-0,4V: int. 1-3V ext. 75 Ω) | |
| | 17 -CVBS \perp | |
| | 18 -CVBS \perp | |
| | 19 -CVBS \rightarrow ($1V_{pp}/75\Omega$) | |
| | 20 -CVBS \rightarrow ($1V_{pp}/75\Omega$) | |
| | 21 -Earthscreens | |



EXT2 (VCR)

- | | | |
|---|--|---|
|  | 1 -Audio \rightarrow R ($0,5V_{RMS} \leq 1k\Omega$) | |
| | 2 -Audio \rightarrow R ($0,2 - 2V_{RMS} \geq 10k\Omega$) | |
| | 3 -Audio \rightarrow L ($0,5V_{RMS} \leq 1k\Omega$) | |
| | 4 -Audio \perp | |
| | 5 - | |
| | 6 -Audio \rightarrow L ($0,2 - 2V_{RMS} \geq 10k\Omega$) | |
| | 7 -- | |
| | 8 -CVBS-status 2 \rightarrow | 0-2V: int
4,5-7V: ext 16:9
9,5-12V: ext 4:3 |
| | 9 -- | |
| | 10 -- | |
| | 11 -- | |
| | 12 -- | |
|  | 13 -- | |
| | 14 -- | |
| | 15 -- | |
| | 16 -- | |
| | 17 -CVBS \perp | |
| | 18 -CVBS \perp | |
| | 19 -CVBS \rightarrow ($1V_{pp}/75\Omega$) | |
| | 20 -CVBS \rightarrow ($1V_{pp}/75\Omega$) | |
| | 21 -Earthscreens | |

EXT3 (front)

- SVHS¹⁾
- | | |
|---|---|
|  | 1 - \perp |
| | 2 - \perp |
| | 3 - Y \rightarrow ($1V_{pp}; 75\Omega$) |
| | 4 - C \rightarrow ($0,3V_{pp}; 75\Omega$) |
-  CINCH Video \rightarrow $300mV_{pp}/75\Omega$ ¹⁾
 CINCH Audio \rightarrow L ($0,5V_{RMS}; \geq 10k\Omega$)¹⁾
 CINCH Audio \rightarrow R ($0,5V_{RMS}; \geq 10k\Omega$)¹⁾
-  $\frac{d}{4}$ $\frac{3,5mm}{4}$ $32-2000\Omega \geq 10mW$







Audio out (rear)

-  CINCH Audio \rightarrow L ($0,5V_{RMS}; \leq 1k\Omega$)
 CINCH Audio \rightarrow R ($0,5V_{RMS}; \leq 1k\Omega$)



front : 2 x 16W / 8 Ω ¹⁾
 rear : 2 x 6W / 8 Ω ¹⁾

EXT2 (SVHS) (rear)

- SVHS
- | | |
|---|---|
|  | 1 - \perp |
| | 2 - \perp |
| | 3 - Y \rightarrow ($1V_{pp}; 75\Omega$) |
| | 4 - C \rightarrow ($0,3V_{pp}; 75\Omega$) |
-  CINCH Audio \rightarrow L ($0,5V_{RMS}; \geq 10k\Omega$)
 CINCH Audio \rightarrow R ($0,5V_{RMS}; \geq 10k\Omega$)
- SVHS¹⁾
- | | |
|---|---|
|  | 1 - \perp |
| | 2 - \perp |
| | 3 - Y \rightarrow ($1V_{pp}; 75\Omega$) |
| | 4 - C \rightarrow ($0,3V_{pp}; 75\Omega$) |
-  CINCH Audio \rightarrow L ($0,5V_{RMS}; \leq 1k\Omega$)¹⁾
 CINCH Audio \rightarrow R ($0,5V_{RMS}; \leq 1k\Omega$)¹⁾

¹⁾ Only for FL1.1.

2.2 CHASSIS FL1.1 Connection facilities

2. Connection of equipment

When an SVHS source is connected to EXT2' (SVHS) or EXT3 (SVHS) the CVBS at these inputs is switched off. To reproduce the CVBS signal from these inputs, the particular SVHS plug must first be removed.

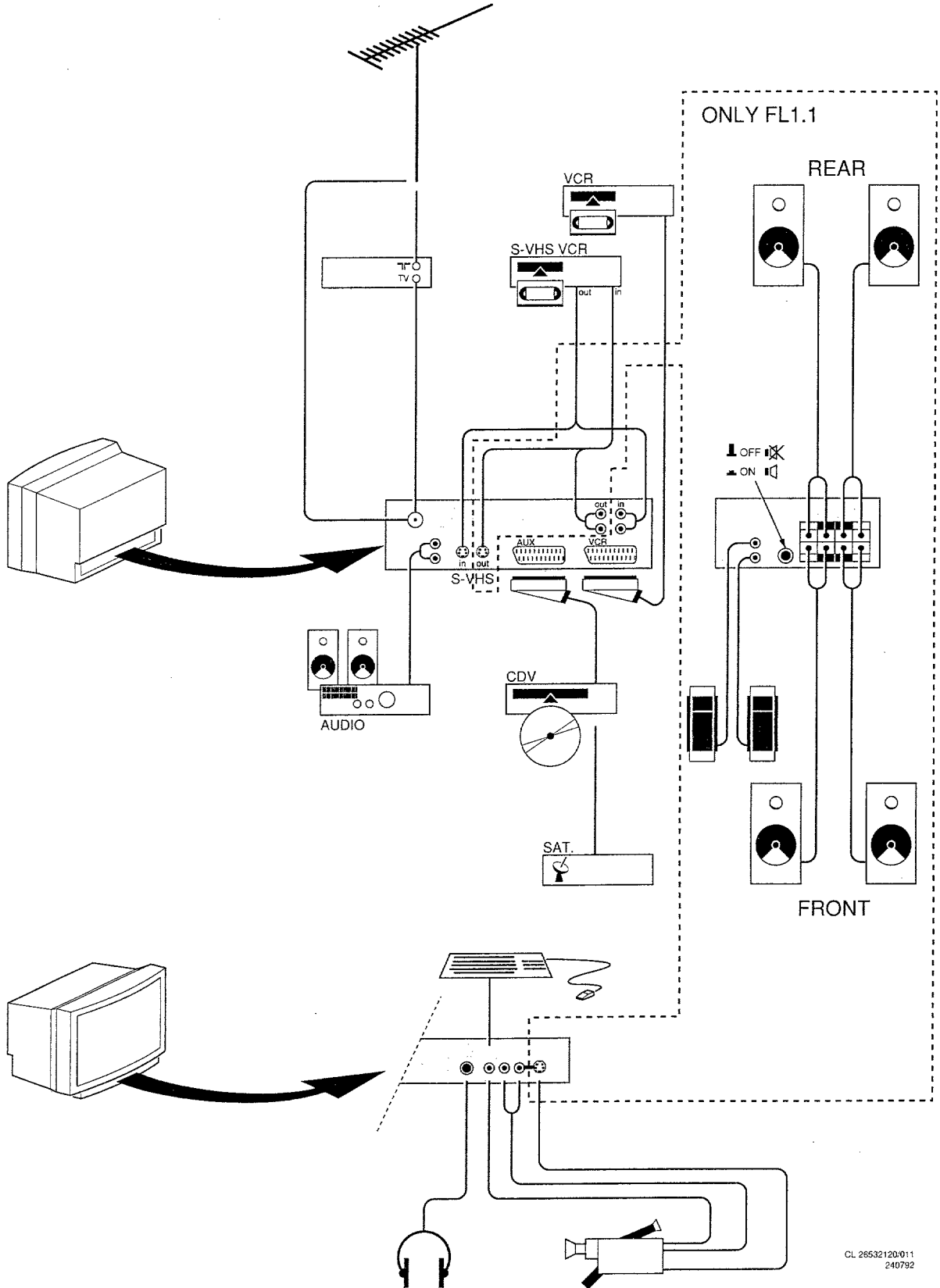




Fig. 2.1

CL 26532120/011
240792

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. After repair the wiring should be fastened once more in the cable clamps for this purpose.
10. In order to prevent measuring errors, the heat sinks should not be used as reference points for measurements.
The heat sink for the sound output amplifier (next to the channel selector) is connected to the -16 or -12 volts.
11. 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.
12. Together with the deflection unit and any multipole unit, the flat square picture tubes used form an integrated unit. The deflection and the multipole units are set optimally at the factory. Adjustment of this unit during repair is therefore not recommended.

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 (see chapter 8) with a colour bar signal and stereo sound (L: 3 kHz, R: 1 kHz unless stated otherwise) and picture carrier at 475.25 MHz.
3. Where necessary, the oscillograms and direct voltages are measured with (\neg) and without aerial signal (\times). Voltages in the power supply section are measured both for normal operation ($\textcircled{1}$) and in standby ($\textcircled{2}$). These values are indicated by means of the appropriate symbols.
4. The picture tube PCB has printed spark gaps. Each spark gap is connected between an electrode of the picture tube and the Aquadag coating.
5. 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.
6. The connectors used for the modules (board to board) are gold-plated and should only be replaced by the same type.
7. 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

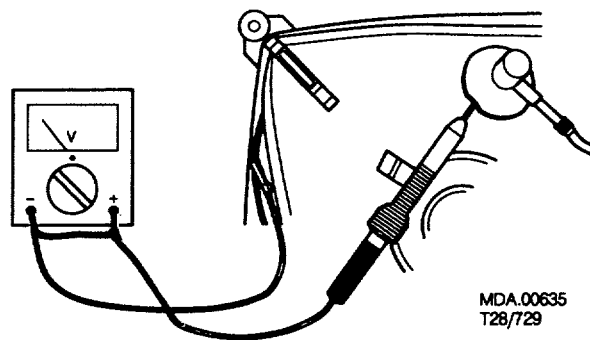


fig. 3.1

Mechanical instructions

1. Removing the back plate (Fig. 4.1)

Remove cover A from the back plate.
 Remove connector B (L36) 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.

2. Service position to measure test points (Fig. 4.2)

Unlock the chassis panels by pressing locks D.
 Pull both chassis panels backwards at the same time until all measuring points are accessible.

3. Service position for repair (Fig. 4.3)

Remove the LED display E (see Fig. 4.3) 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.

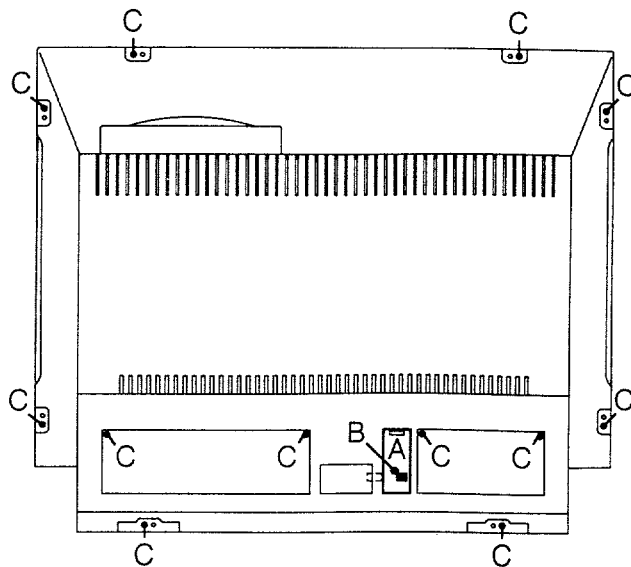


Fig. 4.1

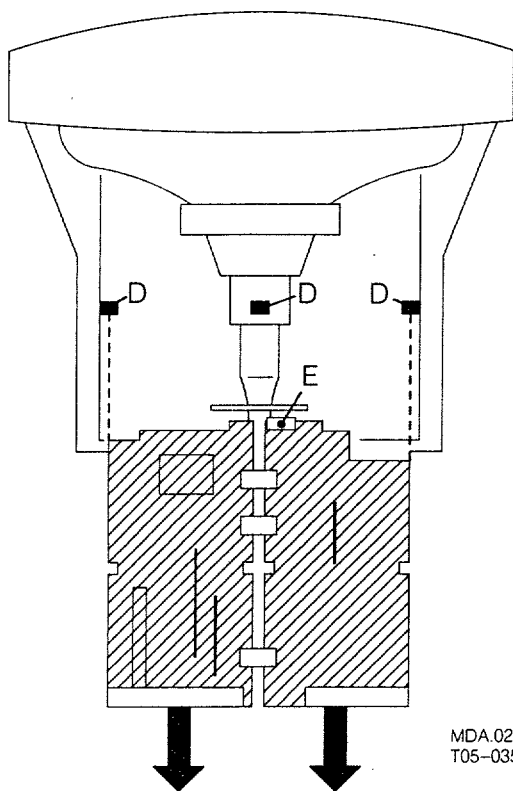
MDA.02803
T05-035

Fig. 4.2

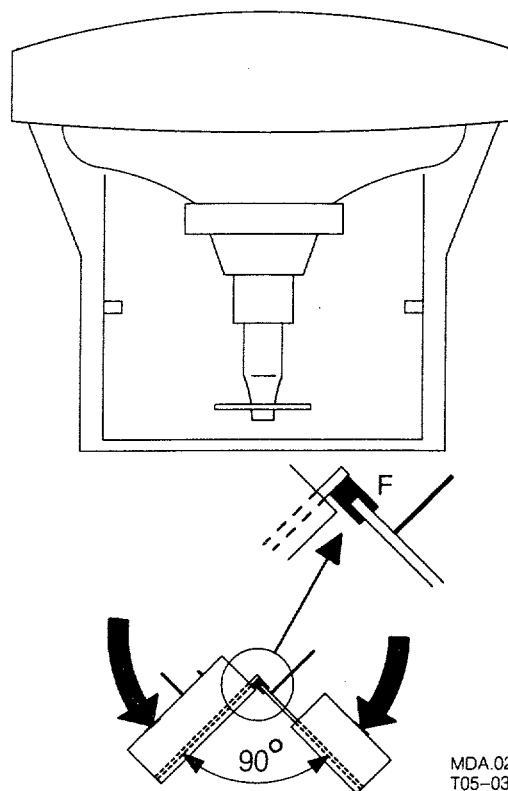
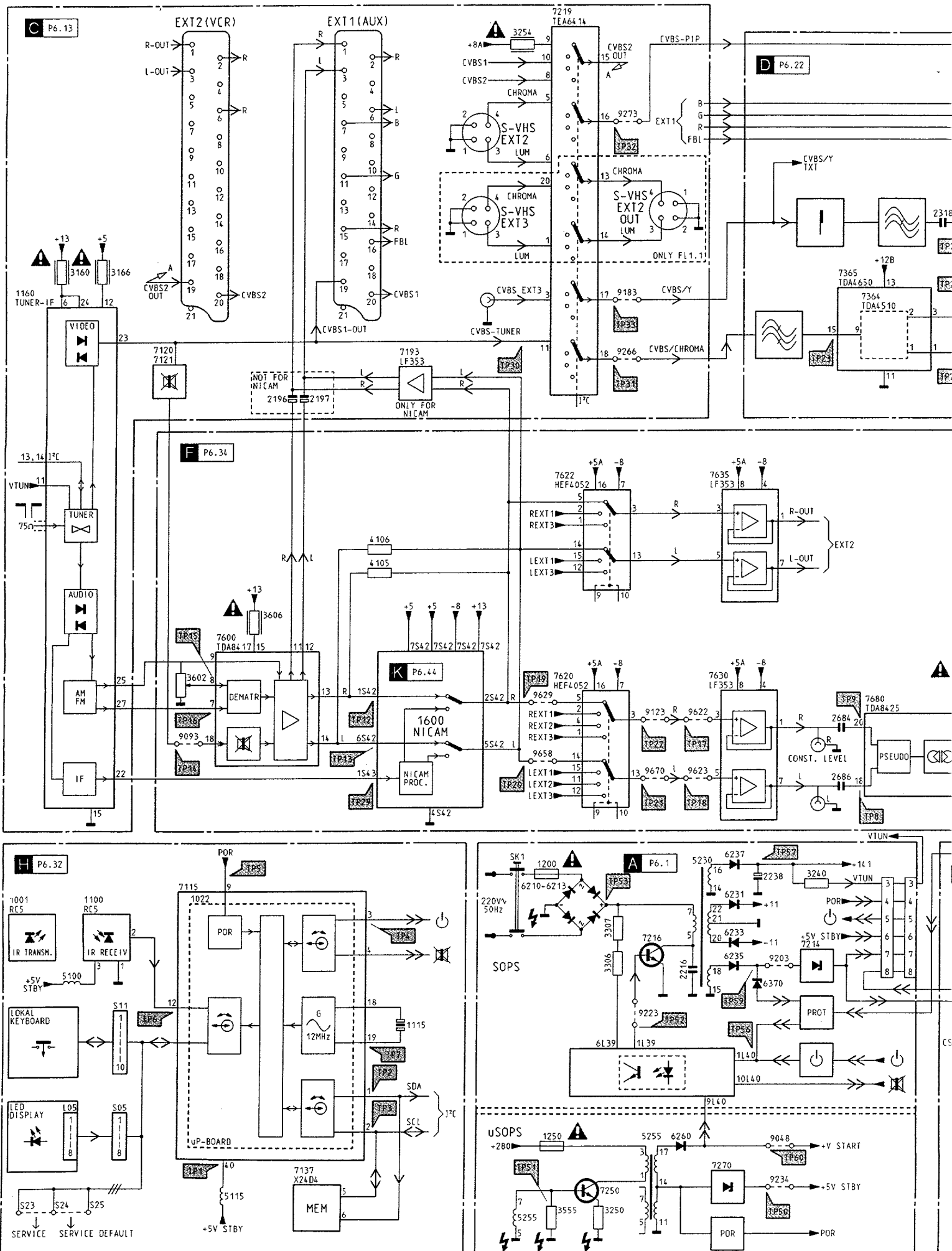
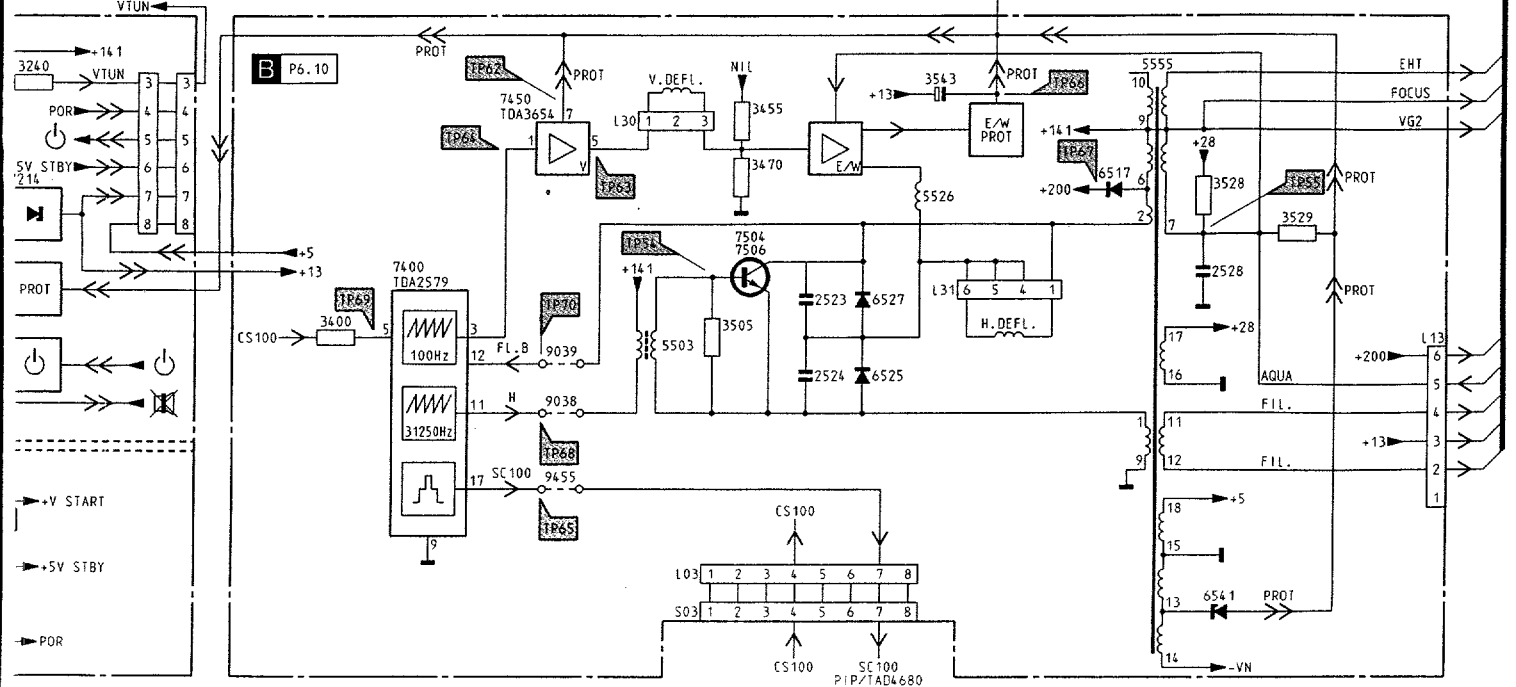
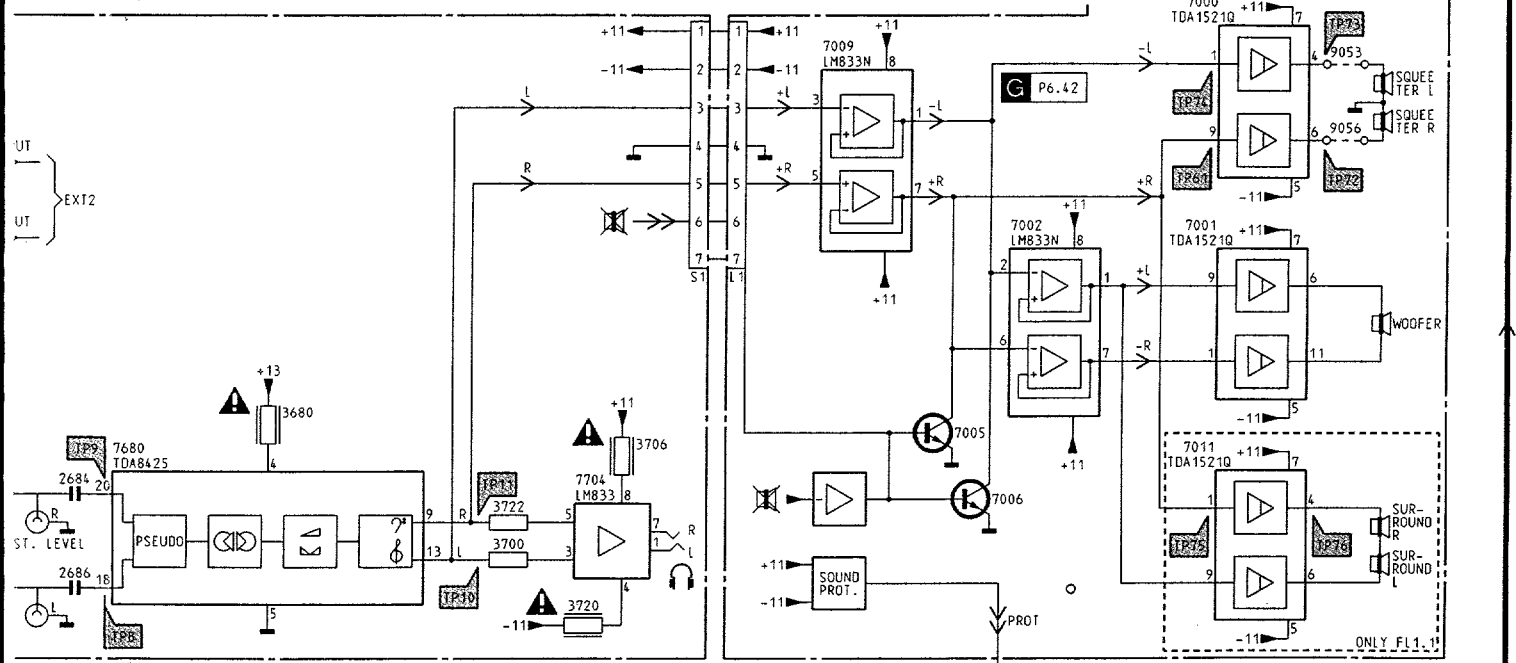
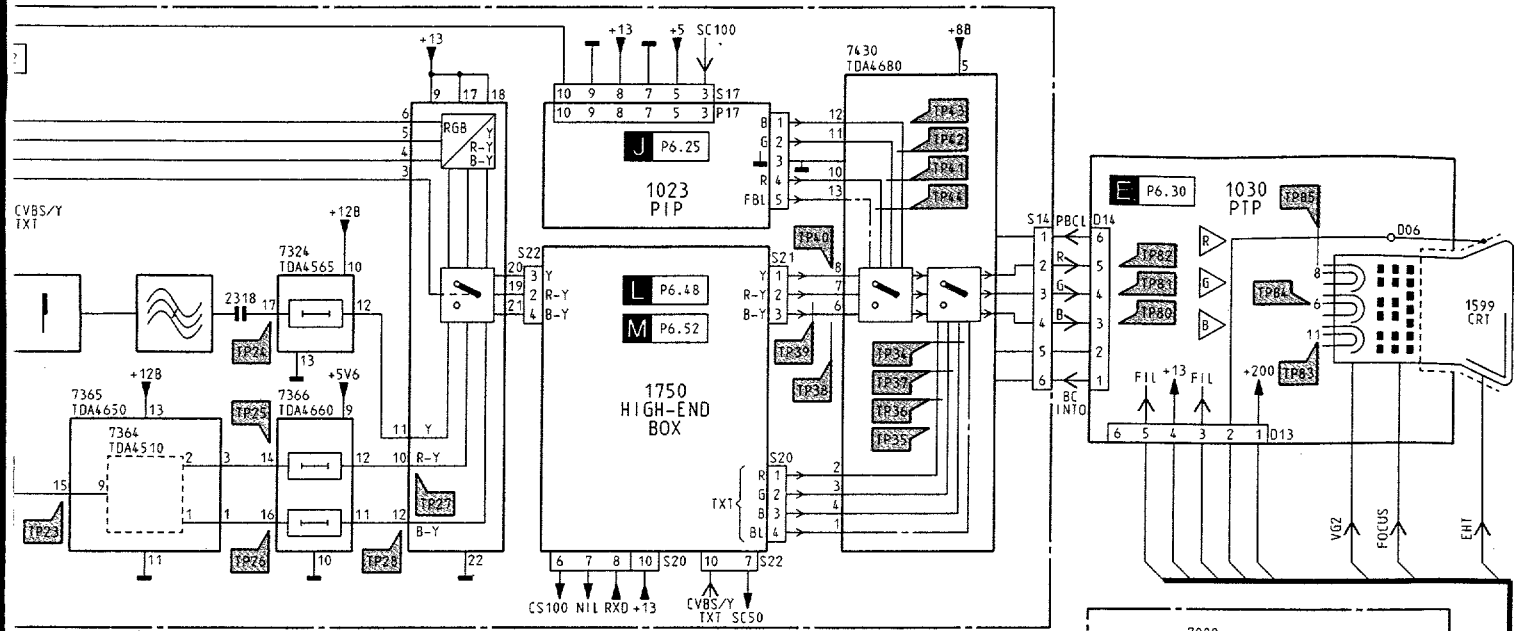
MDA.02801
T05-035

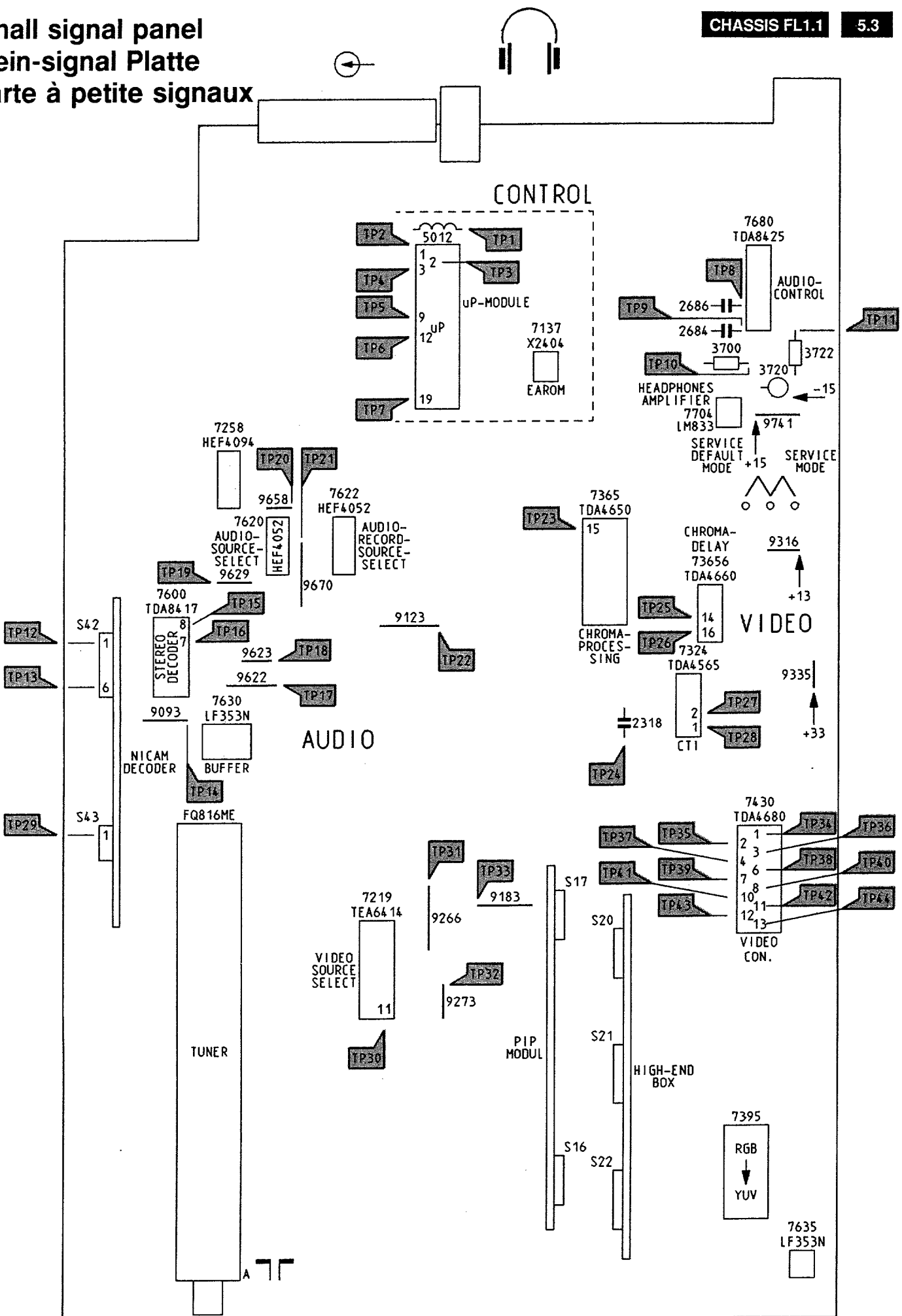
Fig. 4.3

MDA.02802
T05-035

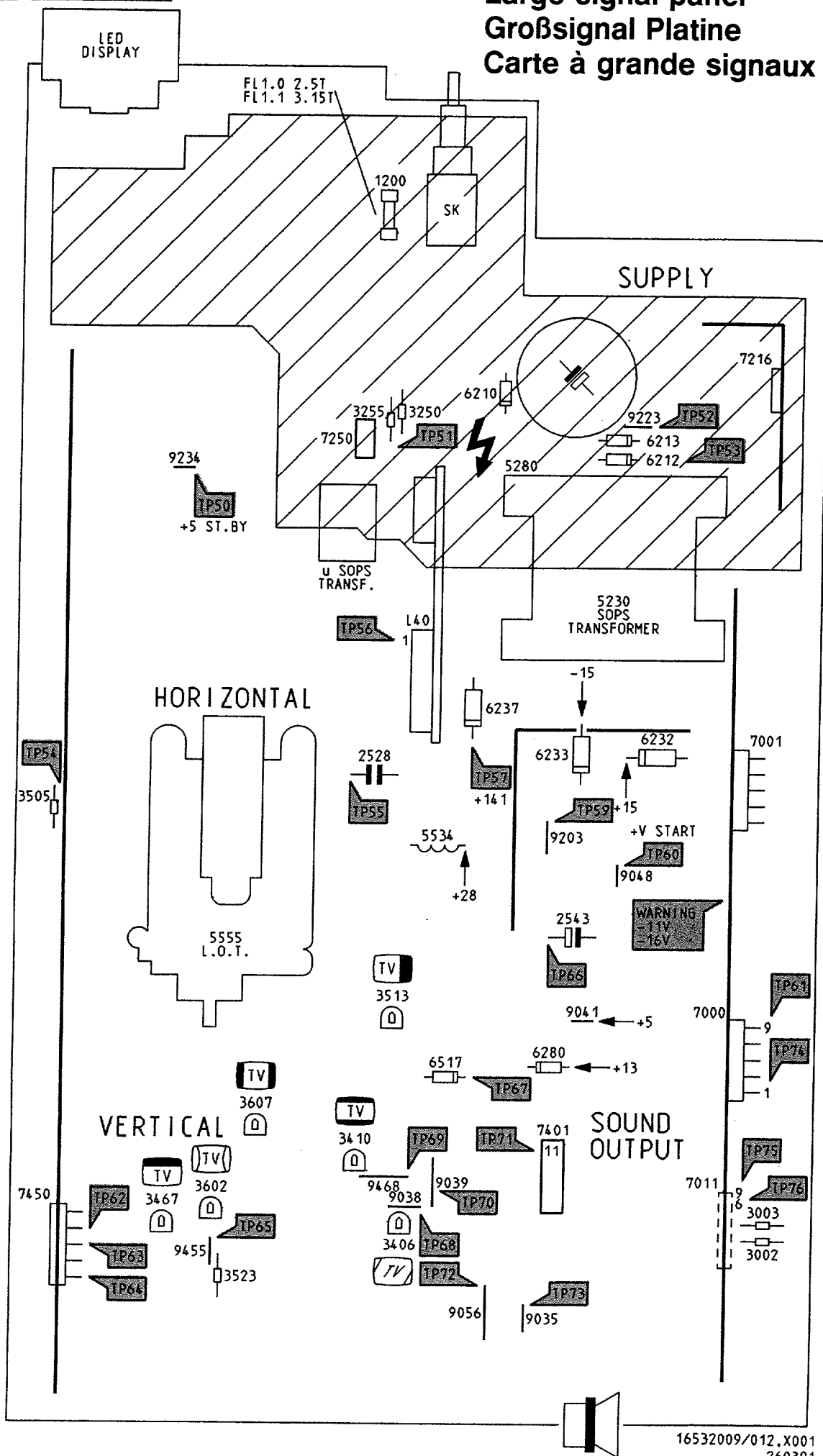




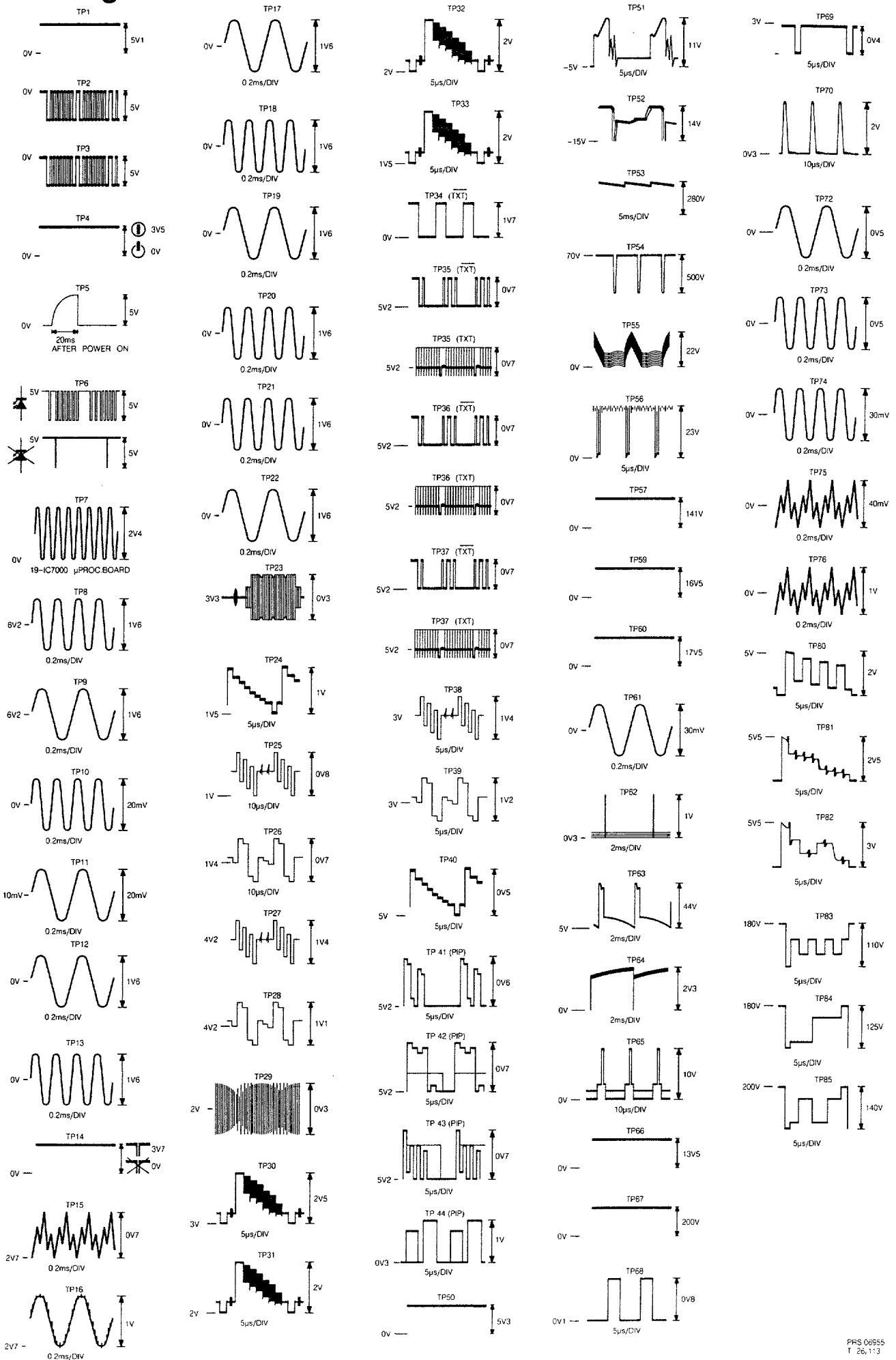
Small signal panel
Klein-signal Platte
Carte à petite signaux

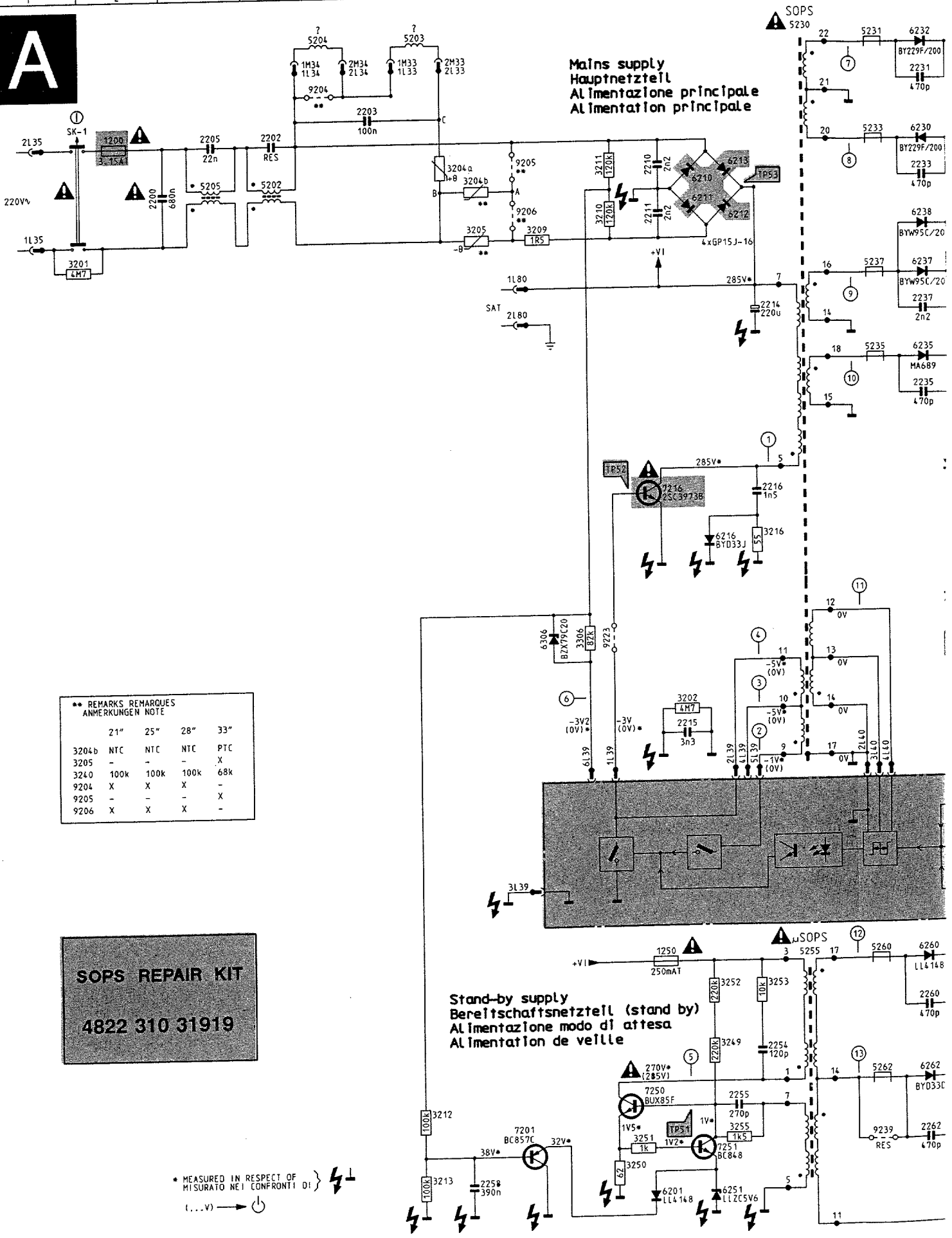


Large signal panel Großsignal Platine Carte à grande signaux



Oscillograms





Mains supply
Hauptnetzteil
Alimentazione principale
Alimentation principale

Stand-by supply
Bereitschaftsnetzteil (stand by)
Alimentazione modo di attesa
Alimentation de veille

** REMARKS REMARQUES ANMERKUNGEN NOTE

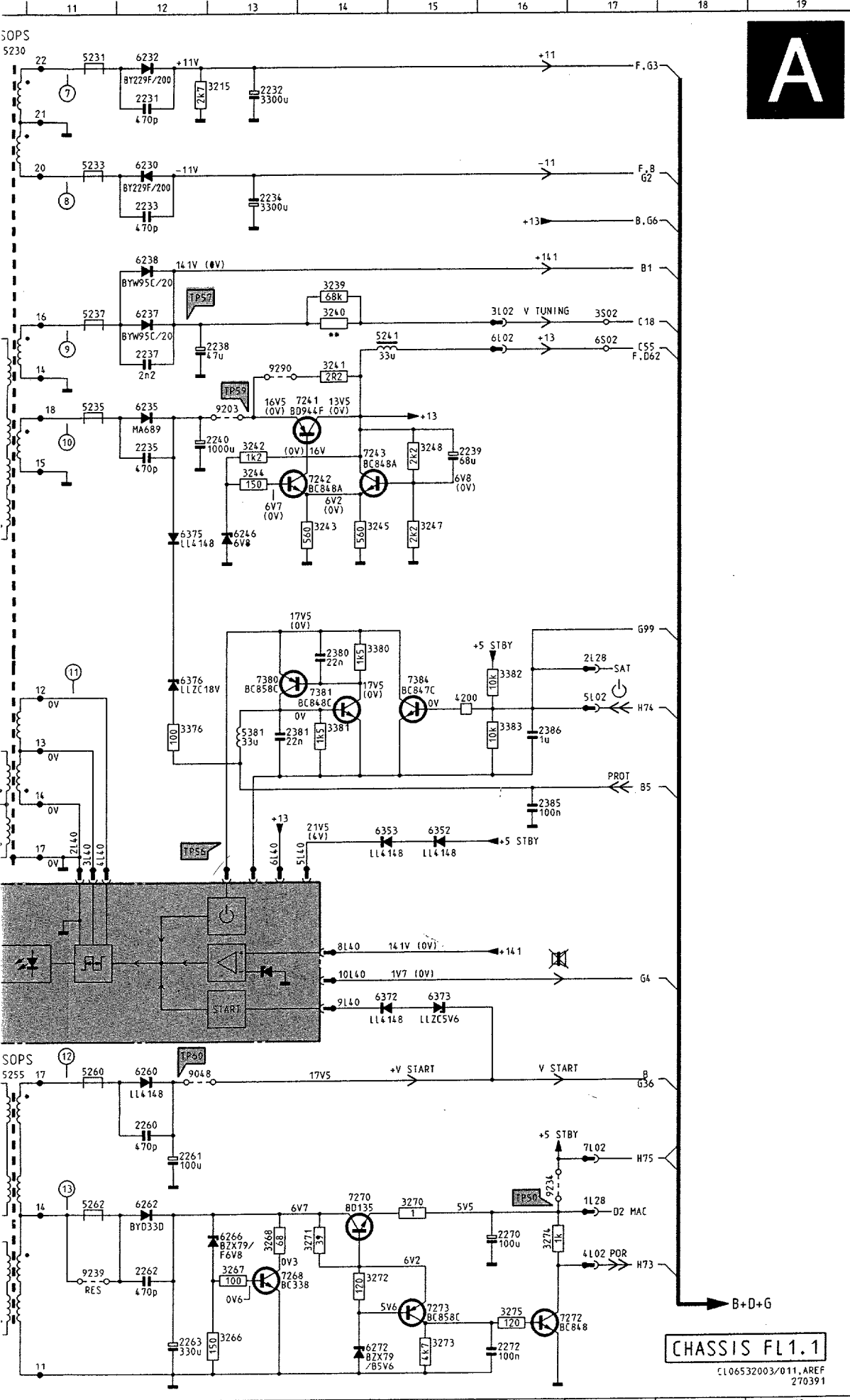
	21"	25"	28"	33"
3204b	NTC	NTC	NTC	PTC
3205	-	-	-	X
3240	100k	100k	100k	68k
9204	X	X	X	-
9205	-	-	-	X
9206	X	X	X	-

SOPS REPAIR KIT
4822 310 31919

* MEASURED IN RESPECT OF MISURATO NEI CONFRONTI DI } ⚡
(...V) → ⏻

Power supply

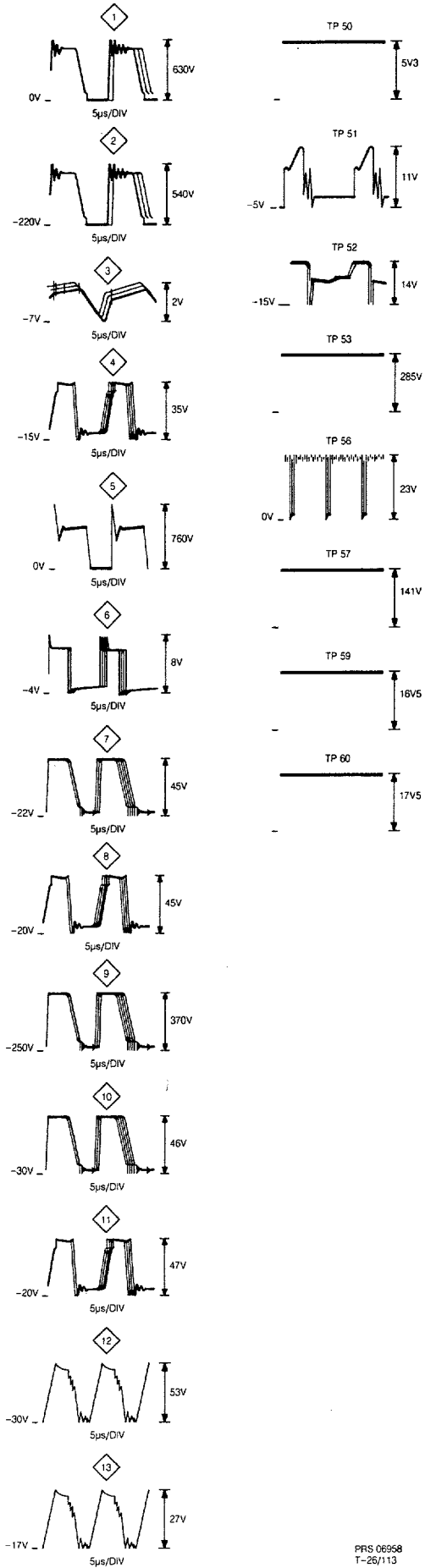
Stromversorgung

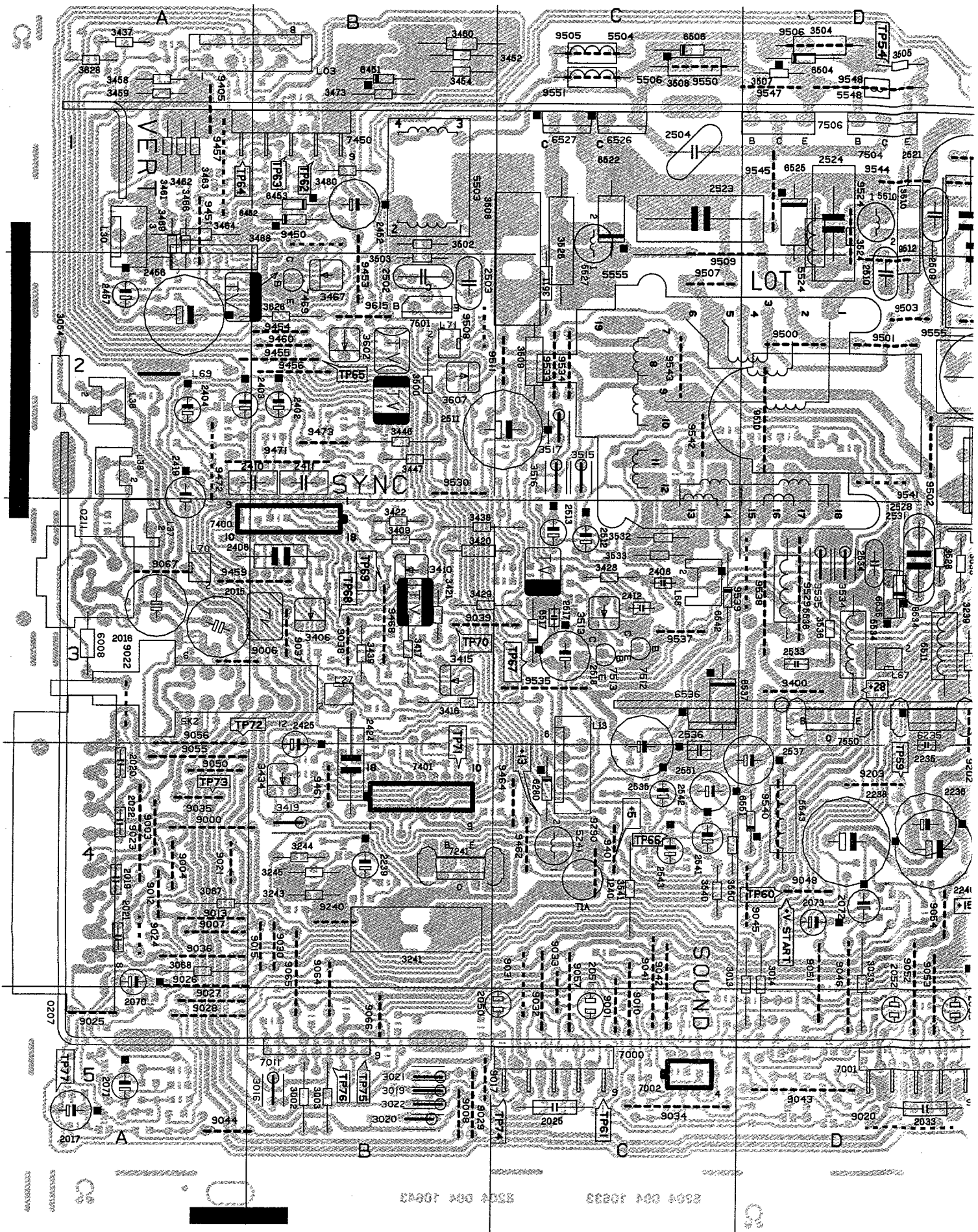


CHASSIS FL1.1

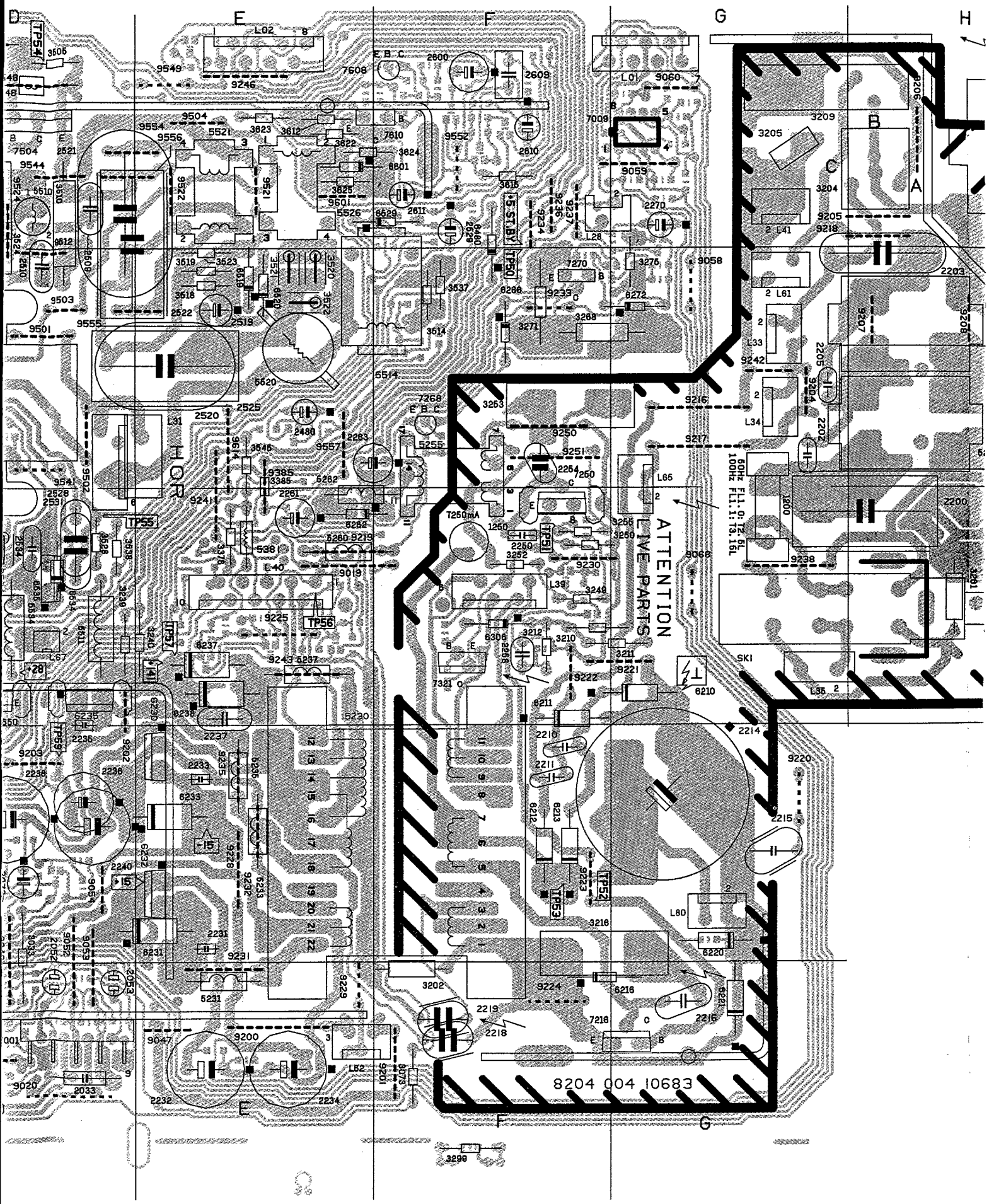
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L'alimentation



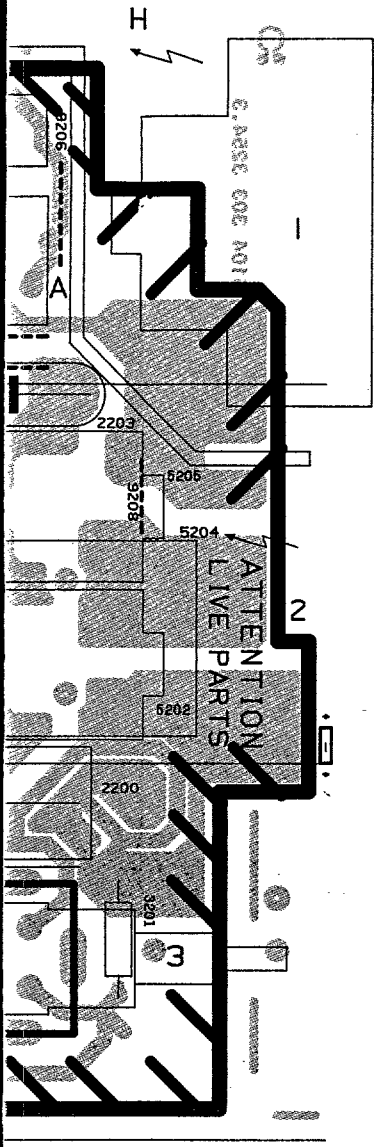


Platine forts signaux

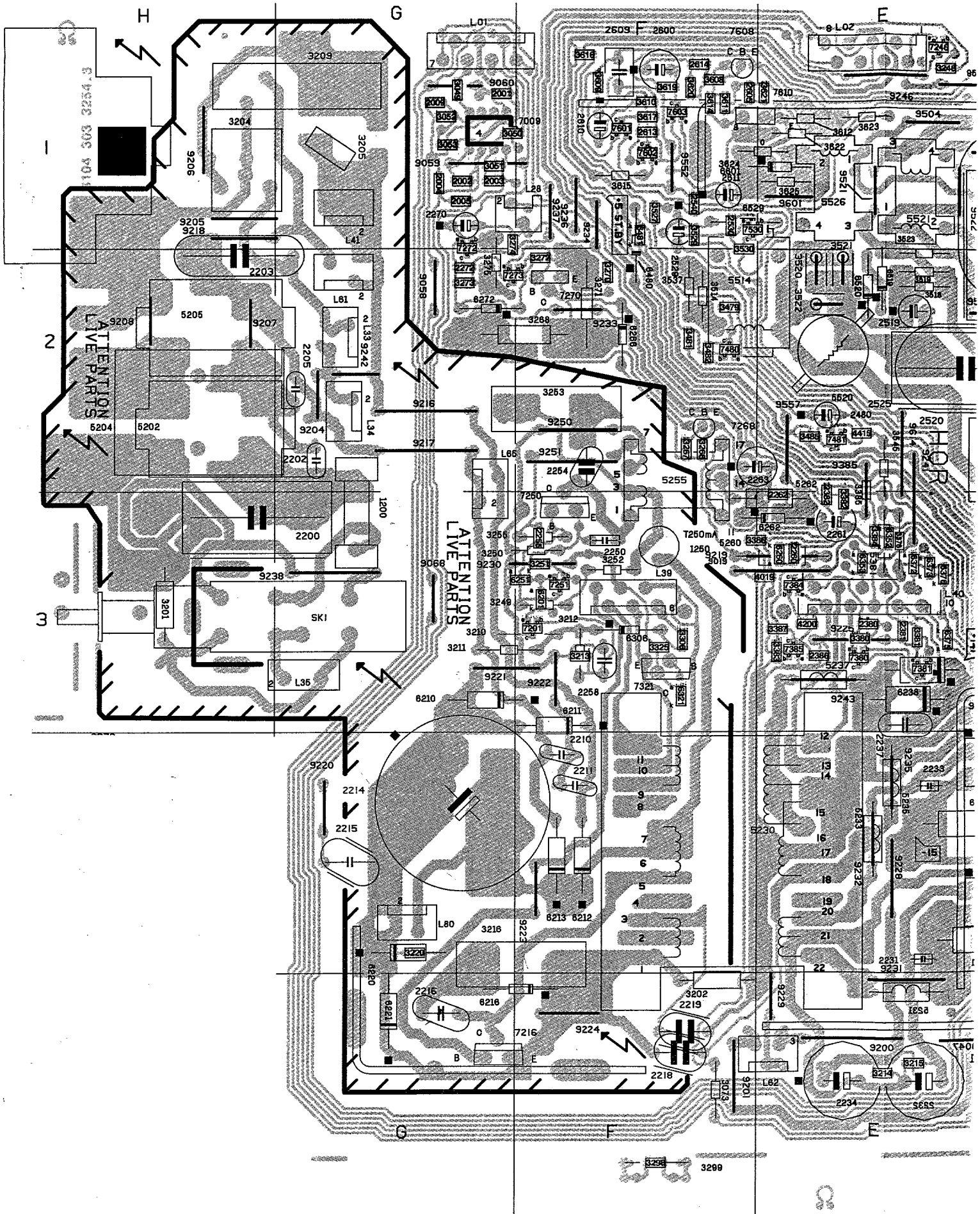


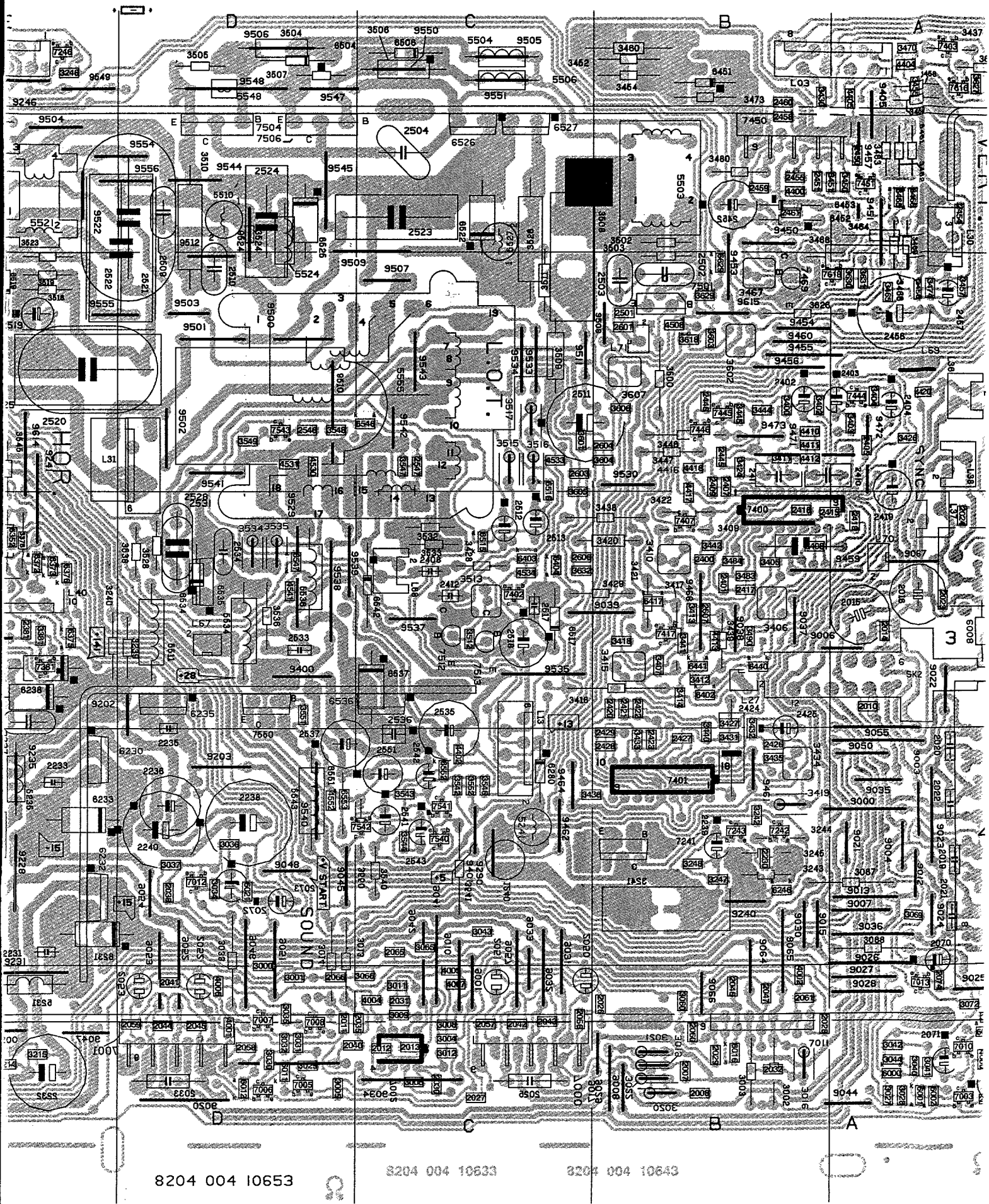
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0207 A4	2509 D1	3447 B2	6231 E4	9051 D4	9543 C2
0211 A3	2510 D2	3452 B1	6232 E4	9052 D4	9544 D1
039 H5	2511 C2	3454 B1	6233 E4	9053 D5	9545 D1
040 H4	2512 C3	3458 A1	6235 D3	9054 D4	9547 D1
L01 F1	2513 C3	3459 A1	6237 E3	9055 A4	9548 D1
L02 E1	2517 C3	3460 B1	6238 E3	9056 A3	9549 E1
L03 A1	2518 C3	3461 A1	6262 E3	9057 C5	9550 C1
L13 C4	2519 E2	3462 A1	6266 F2	9058 G2	9551 C1
L27 B3	2520 E2	3463 A1	6272 G2	9059 G1	9552 F1
L28 G1	2521 D1	3464 A1	6280 C4	9060 G1	9554 D1
L30 A1	2522 D1	3466 A1	6306 F3	9064 B5	9555 E2
L31 E2	2523 C1	3467 B2	6308 H5	9065 B4	9556 D1
L33 G2	2524 D1	3468 A2	6312 H5	9066 B5	9557 E2
L34 G2	2525 E2	3469 A1	6319 H5	9067 A3	9601 E1
L35 G3	2528 D3	3473 B1	6451 B1	9068 G3	9614 E2
L36 A2	2529 F1	3480 B1	6452 B1	9200 E5	9615 B2
L37 A3	2531 D3	3500 B2	6453 B1	9201 F5	
L38 A2	2533 D3	3502 B1	6480 F1	9202 D3	
L39 F3	2534 D3	3503 B2	6504 D1	9203 D4	
L40 E3	2535 C4	3504 D1	6506 C1	9204 G2	
L41 G1	2536 C4	3505 D1	6517 C3	9205 H1	
L61 G2	2537 D4	3506 C1	6519 E2	9206 H1	
L62 E5	2541 C4	3507 D1	6520 E2	9207 H2	
L65 G2	2542 C4	3508 C2	6522 C1	9208 H2	
L67 D3	2543 C4	3509 C2	6525 D1	9216 G2	
L68 C3	2551 C4	3510 D1	6526 C1	9217 G2	
L69 A2	2600 F1	3511 C2	6527 C1	9218 H1	
L70 A3	2609 F1	3513 C3	6529 F1	9219 E3	
L71 B2	2610 F1	3514 F2	6534 D3	9220 G4	
L80 G4	2611 F1	3515 C2	6535 D3	9221 G3	
SK1 G3	3002 B5	3516 C2	6536 C3	9222 F3	
SK2 B3	3003 B5	3517 C2	6537 C3	9223 F4	
1200 G3	3013 D4	3518 E2	6542 C3	9224 F5	
1240 C4	3014 D4	3519 E2	6551 D4	9225 E3	
1250 F3	3016 B5	3520 E2	6601 E1	9228 E4	
2015 A3	3019 B5	3521 E2	7000 C5	9229 E5	
2016 A3	3020 B5	3522 E2	7001 D5	9230 F3	
2017 A5	3021 B5	3523 E2	7002 C5	9231 E5	
2019 A4	3022 B5	3524 D1	7009 G1	9232 E4	
2020 A4	3033 D4	3526 C1	7011 B5	9233 F2	
2021 A4	3054 A2	3528 D3	7216 G5	9234 F1	
2022 A4	3067 A4	3532 C3	7241 B4	9235 E4	
2025 C5	3068 A4	3533 C3	7250 F3	9236 F1	
2033 D5	3073 F5	3534 D3	7268 F2	9237 F1	
2050 C5	3201 H3	3535 D3	7270 F2	9238 G3	
2051 C5	3202 F5	3536 D3	7312 H5	9240 B4	
2052 D5	3204 H1	3537 F2	7320 H4	9241 E3	
2053 D5	3205 G1	3538 D3	7321 F3	9242 G2	
2070 A4	3209 G1	3540 C4	7400 B3	9243 E3	
2071 A5	3210 F3	3541 C4	7401 B4	9246 E1	
2072 D4	3211 G3	3545 E2	7450 A1	9250 F2	
2073 D4	3212 F3	3550 C4	7469 B2	9251 F2	
2200 H3	3216 F4	3602 B2	7501 B2	9290 C4	
2202 G2	3239 D3	3607 B2	7504 D1	9300 H5	
2203 H2	3240 E3	3612 E1	7506 D1	9302 H4	
2205 G2	3241 B4	3615 F1	7512 C3	9385 E2	
2210 F4	3243 B4	3622 E1	7513 C3	9400 D3	
2211 F4	3244 B4	3623 E1	7550 D3	9401 C4	
2214 G4	3245 B4	3624 E1	7608 F1	9405 A1	
2215 G4	3249 F3	3625 E1	7610 E1	9450 B1	
2216 G5	3250 F3	3626 B2	9000 A4	9451 A1	
2218 F5	3252 F3	3628 A1	9001 C5	9453 B2	
2219 F5	3253 F2	5202 H2	9003 A4	9454 B2	
2231 E4	3255 F3	5204 H2	9004 A4	9455 B2	
2232 E5	3268 F2	5205 H2	9006 A3	9456 B2	
2233 E4	3271 F2	5230 F4	9007 A4	9457 A1	
2234 E5	3275 G2	5231 E5	9008 B5	9459 B3	
2235 D3	3299 F5	5233 E4	9010 C5	9460 B2	
2236 D4	3300 H5	5235 E4	9012 A4	9461 B4	
2237 E3	3308 H5	5237 E3	9013 A4	9462 C4	
2238 D4	3310 H5	5241 C4	9015 B4	9464 C4	
2239 B4	3313 H5	5255 F3	9017 B5	9468 B3	
2240 D4	3314 H5	5260 E3	9019 E3	9471 B2	
2250 F3	3315 H5	5262 E3	9020 D5	9472 A2	
2254 F2	3331 H4	5308 H5	9021 A4	9473 B2	
2258 F3	3332 H4	5310 H5	9022 A3	9500 D2	
2261 E3	3351 H4	5381 E3	9023 A4	9501 D2	
2263 E2	3357 H4	5503 B1	9024 A4	9502 D2	
2270 G1	3358 H4	5504 C1	9025 A5	9503 D2	
2321 H5	3368 H4	5506 C1	9026 A4	9504 E1	
2351 H4	3369 H4	5510 D1	9027 A5	9505 C1	
2361 H4	3371 H4	5511 D3	9028 A5	9506 D1	
2372 H4	3374 H4	5514 F2	9029 B5	9507 C2	
2376 H4	3376 E3	5520 E2	9030 B4	9508 B2	
2402 B2	3385 E2	5521 E1	9031 C4	9509 C1	
2403 A2	3406 B3	5524 D1	9032 C5	9510 D2	
2404 A2	3409 B3	5526 E1	9033 C5	9511 C2	
2406 B3	3410 B3	5527 C2	9034 C5	9512 D2	
2408 C3	3415 B3	5534 D3	9035 A4	9521 E1	
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2411 B2	3417 B3	5543 D4	9037 B3	9524 D1	
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2456 A2	3429 B3	6212 F4	9044 A5	9537 C3	
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2480 E2	3437 A1	6216 F5	9046 D4	9539 D3	
2502 B2	3438 B3	6220 G4	9047 E5	9540 D4	
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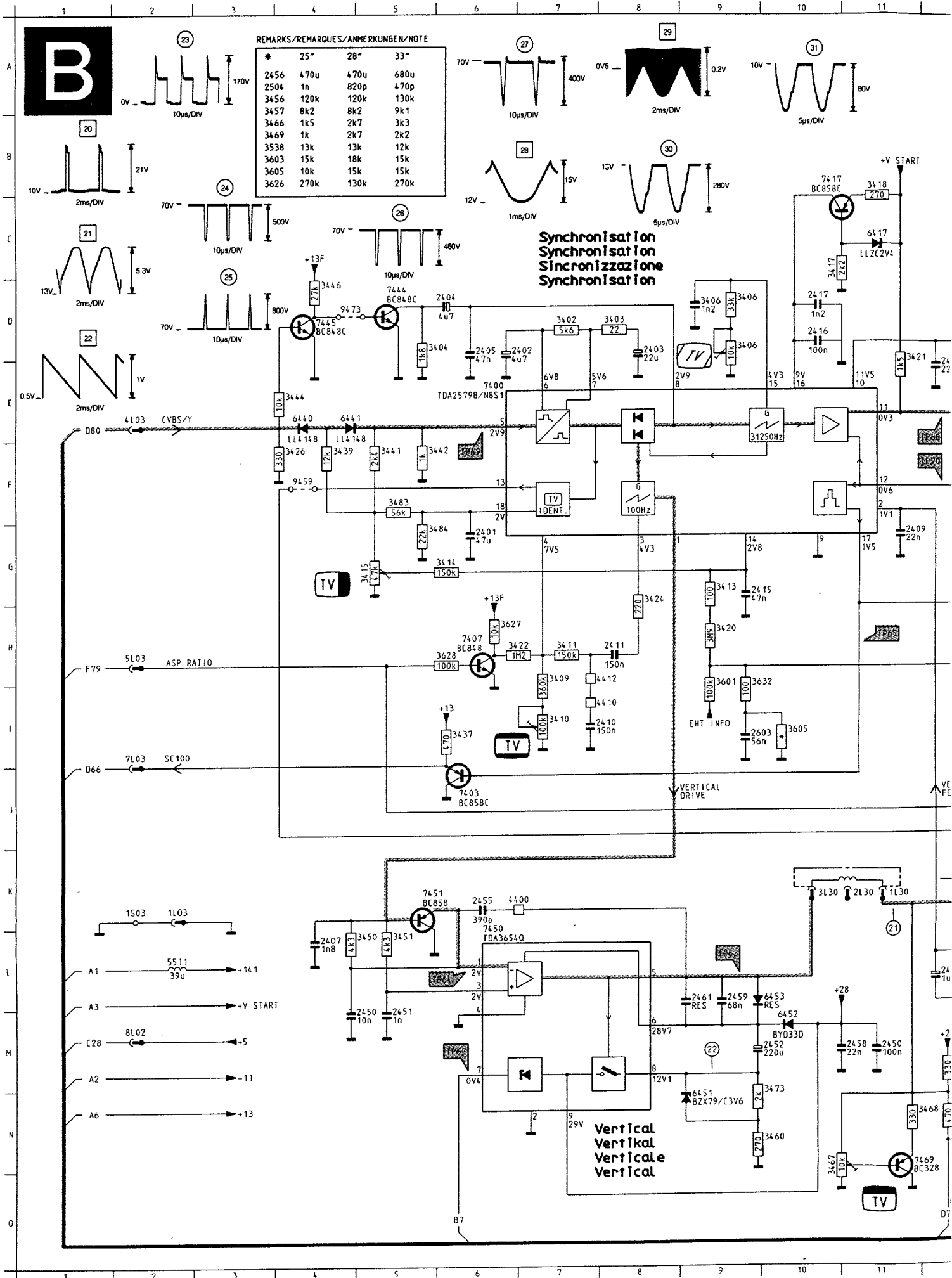




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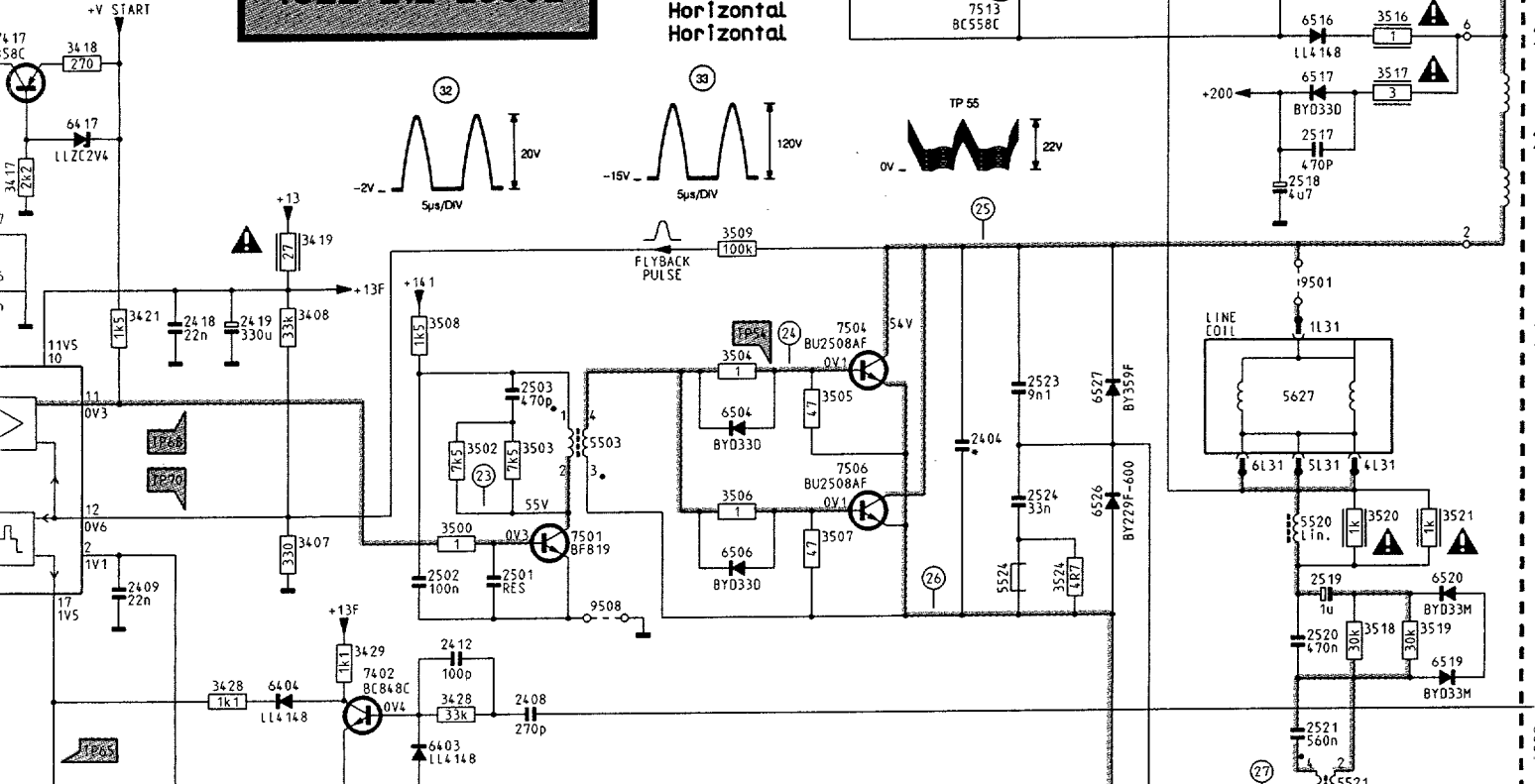
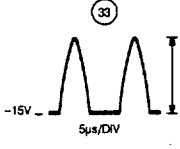
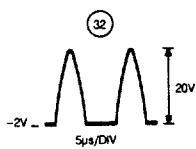
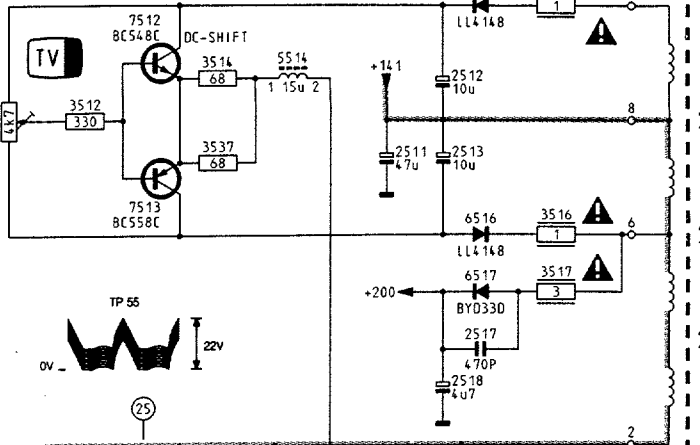
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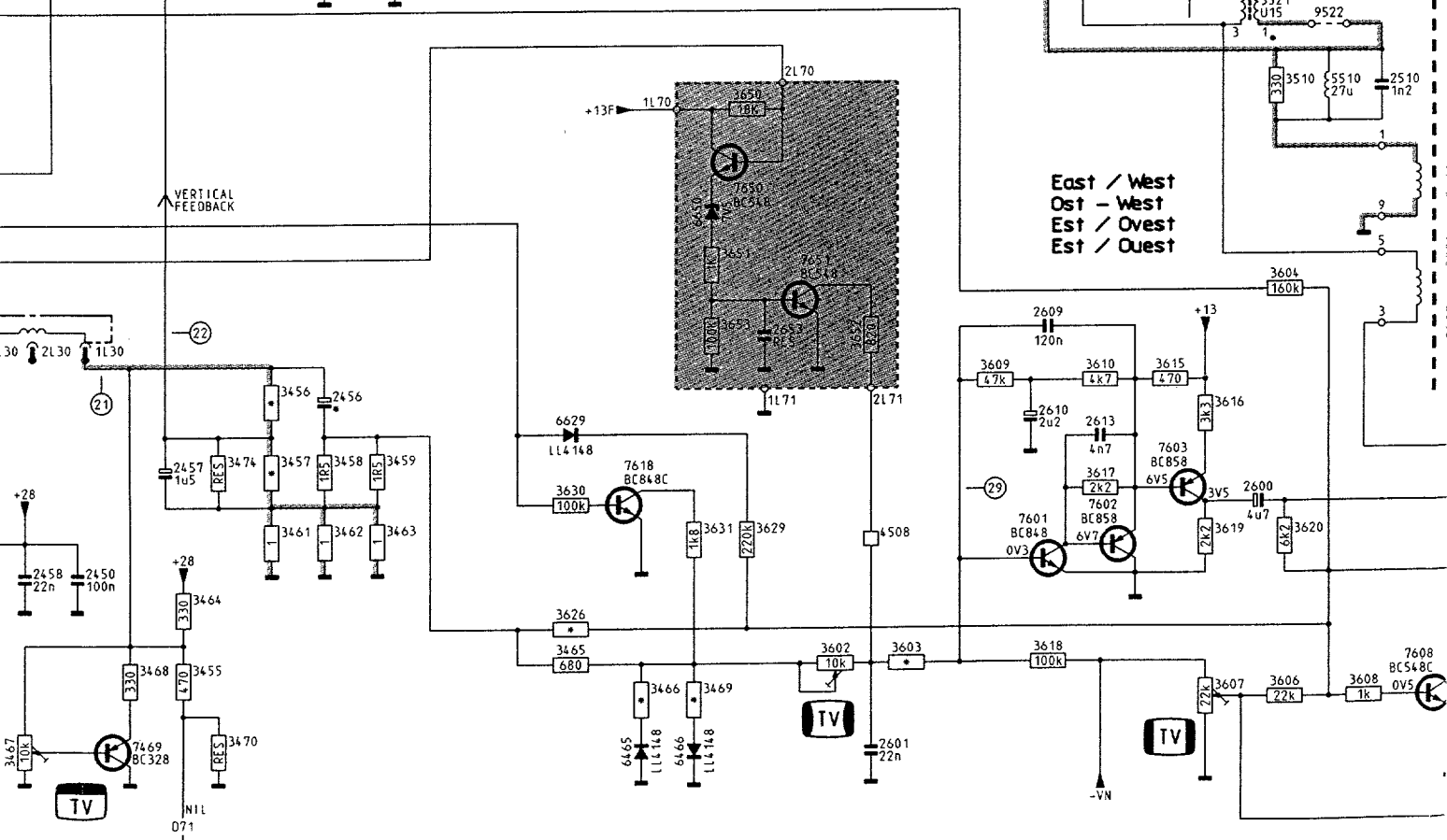
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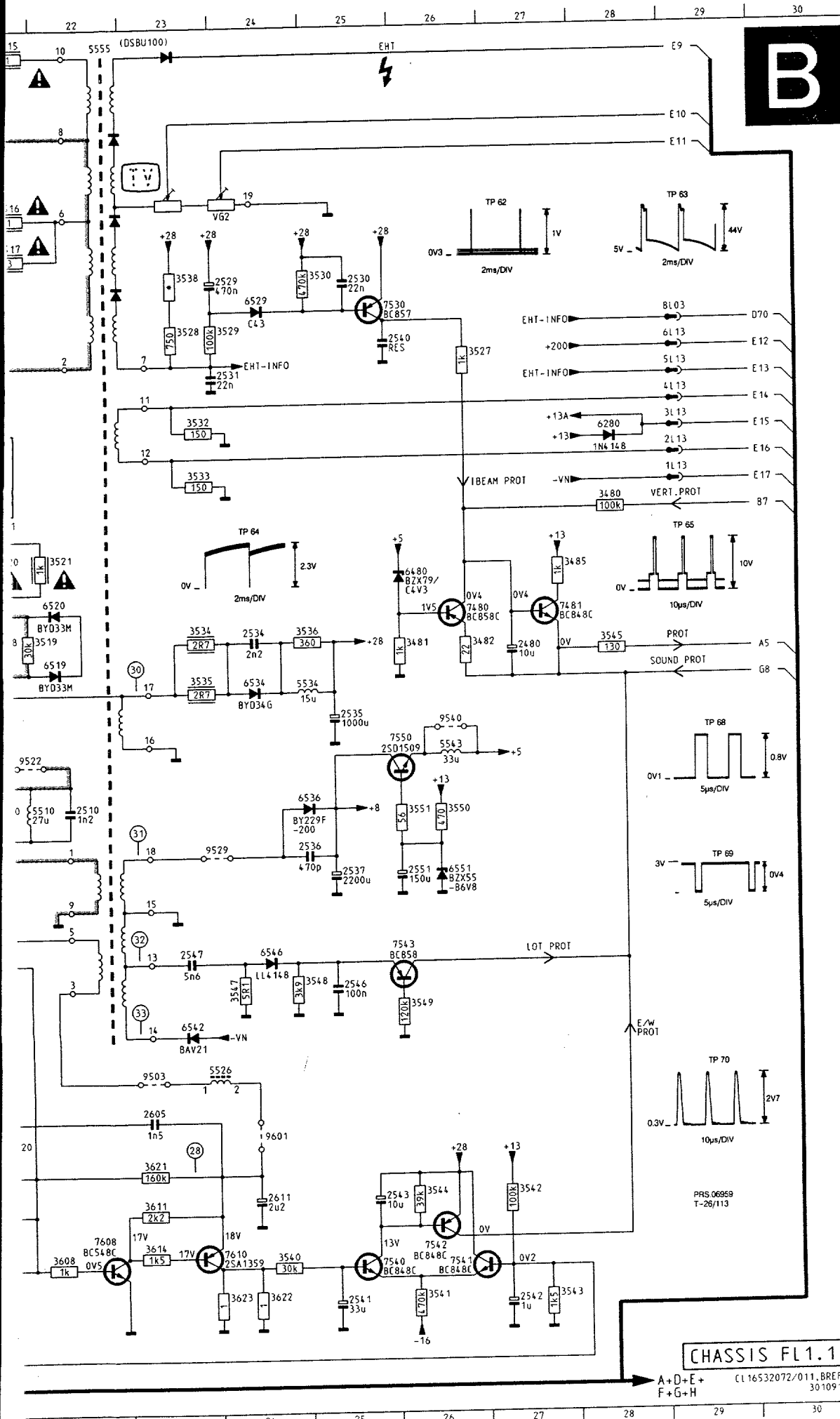
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4822 212 23892

Horizontal
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Horizontal
Horizontal



East / West
Ost - West
Est / Ovest
Est / Ouest





B

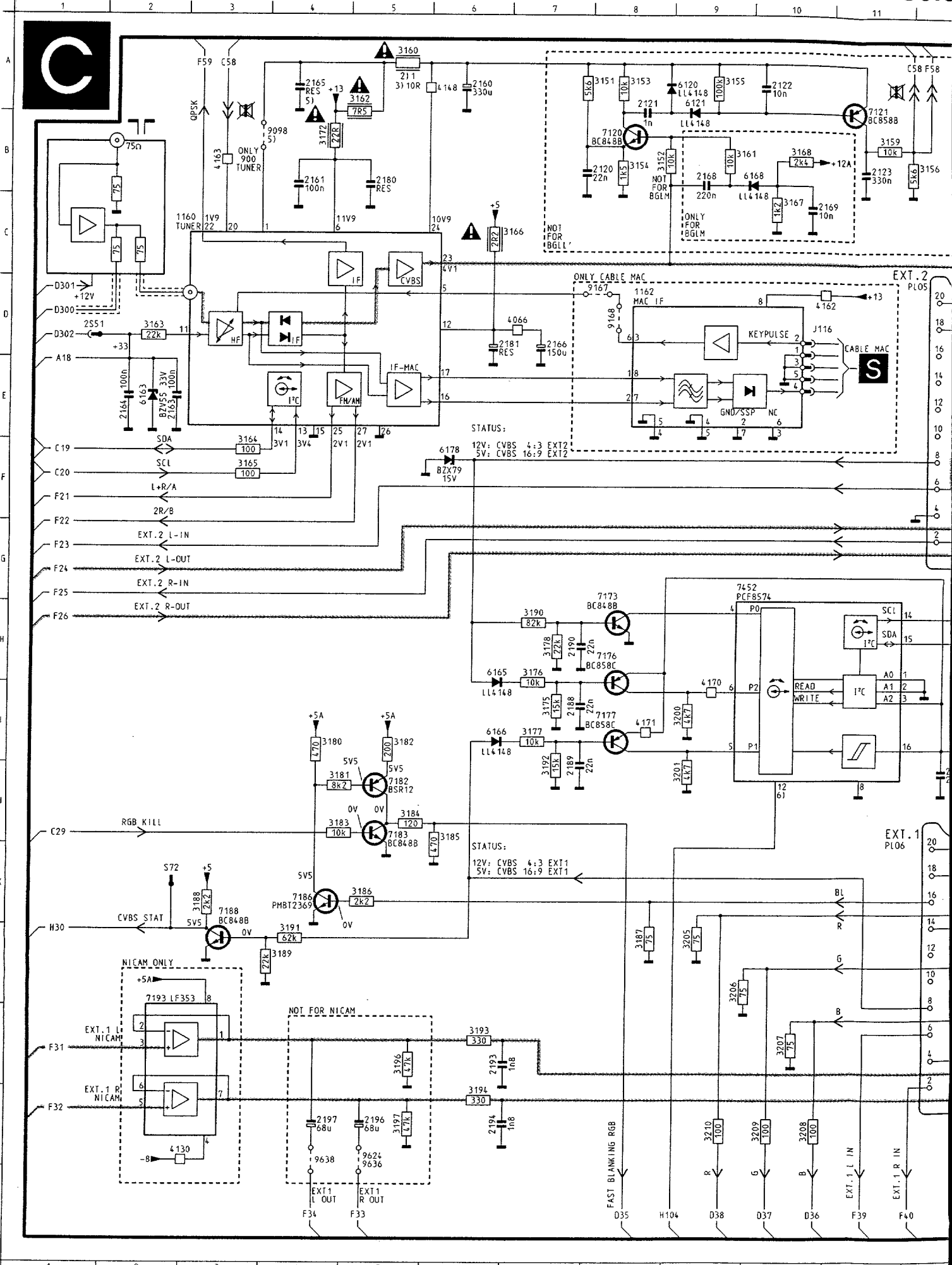
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2404	F18	3484	G 5	6536	I25
2405	D 6	3485	F27	6542	K23
2407	L 4	3500	F14	6546	K24
2408	H14	3502	F14	6551	J26
2409	G11	3503	F14	6629	L15
2410	L 7	3504	E16	6650	J16
2411	H 8	3505	E17	7400	E 6
2412	G14	3506	F16	7402	G13
2415	G 9	3507	F17	7403	J 6
2416	D10	3508	E14	7407	H 6
2417	D10	3509	D16	7417	B10
2418	E12	3510	I21	7444	D 5
2419	E12	3512	A18	7445	D 4
2450	M11	3513	B17	7450	L 6
2450	M 5	3514	A19	7451	K 5
2451	M 5	3515	A21	7469	N11
2452	M10	3516	B21	7480	G26
2455	K 6	3517	C21	7481	G27
2456	L13	3518	G21	7501	F15
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2458	M11	3520	F21	7506	F17
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2461	L 9	3524	G19	7513	B18
2480	G27	3527	D26	7530	C25
2501	G14	3528	D23	7540	N25
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2503	E14	3530	C25	7542	N26
2510	I22	3532	E23	7543	K26
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2536	I25	3550	I26	9529	I23
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2600	L21	3608	N22		
2601	N18	3609	K19		
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2605	L23	3611	M23		
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2611	M24	3616	L20		
2613	L20	3617	L20		
2653	K17	3618	N19		
3402	D 7	3619	M20		
3403	D 8	3620	M21		
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3406	D 9	3622	N24		
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3406	D 9	3626	M15		
3407	F13	3627	H 6		
3408	D13	3628	H 6		
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3413	G 9	3632	H 9		
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3420	H 9	4410	I 7		
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3422	H 7	4508	M18		
3424	G 8	5503	F15		
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3428	G12	5511	L 2		
3428	H14	5514	A19		
3429	G13	5520	F21		
3437	I 6	5521	H21		
3439	F 4	5524	G18		
3441	F 5	5526	L23		
3442	F 5	5534	H25		
3444	E 4	5543	H26		
3446	D 4	5555	A22		
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3451	L 5	6280	E28		
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3456	K13	6404	G13		
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3458	L13	6440	E 4		
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3462	M13	6453	L10		
3463	M14	6465	N16		
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CHASSIS FL1.1

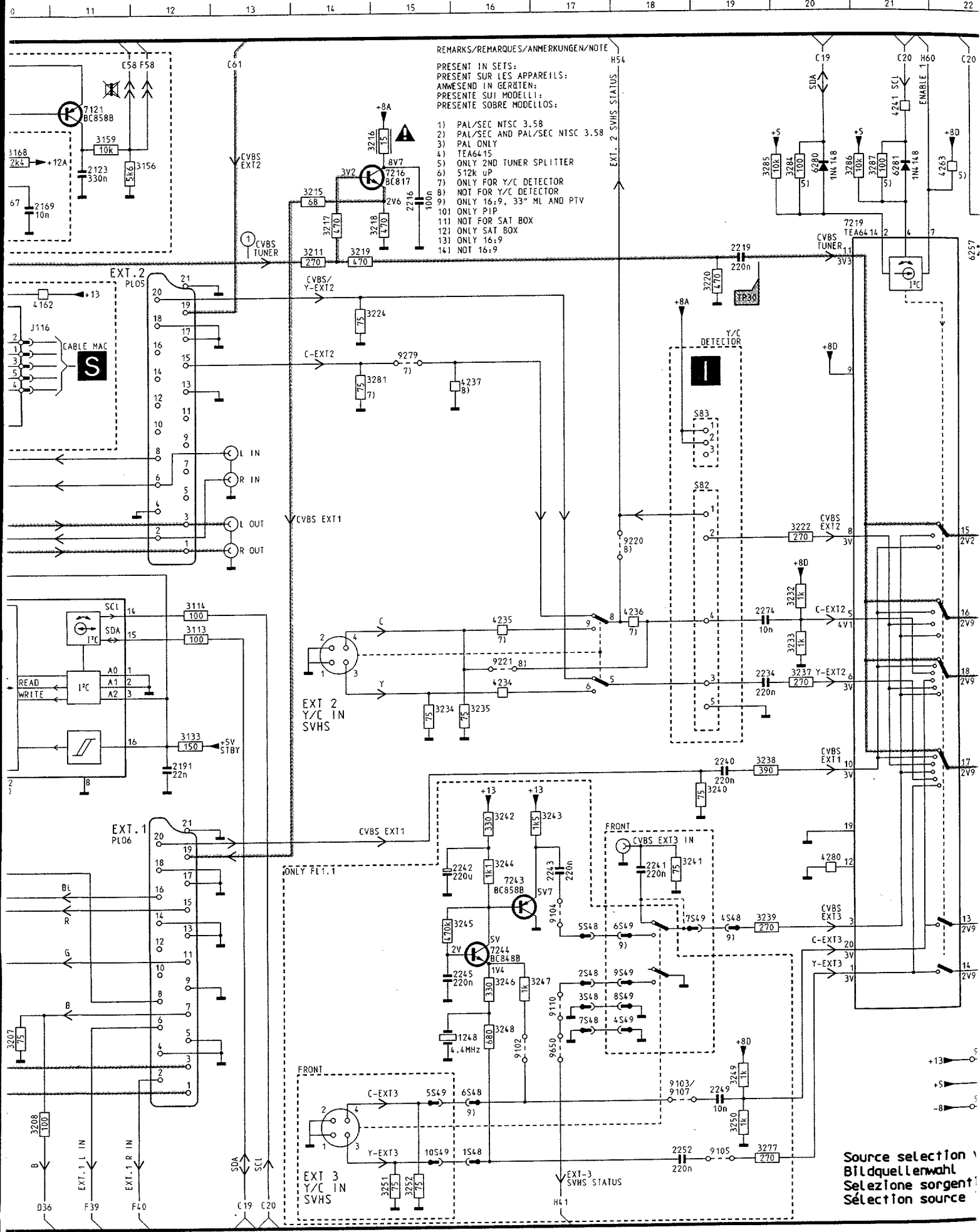
CL16532072/011, BREF 301091

6.13 CHASSIS FL1.1 Source selection / Quellenwahl /

Séle



Sélection de source

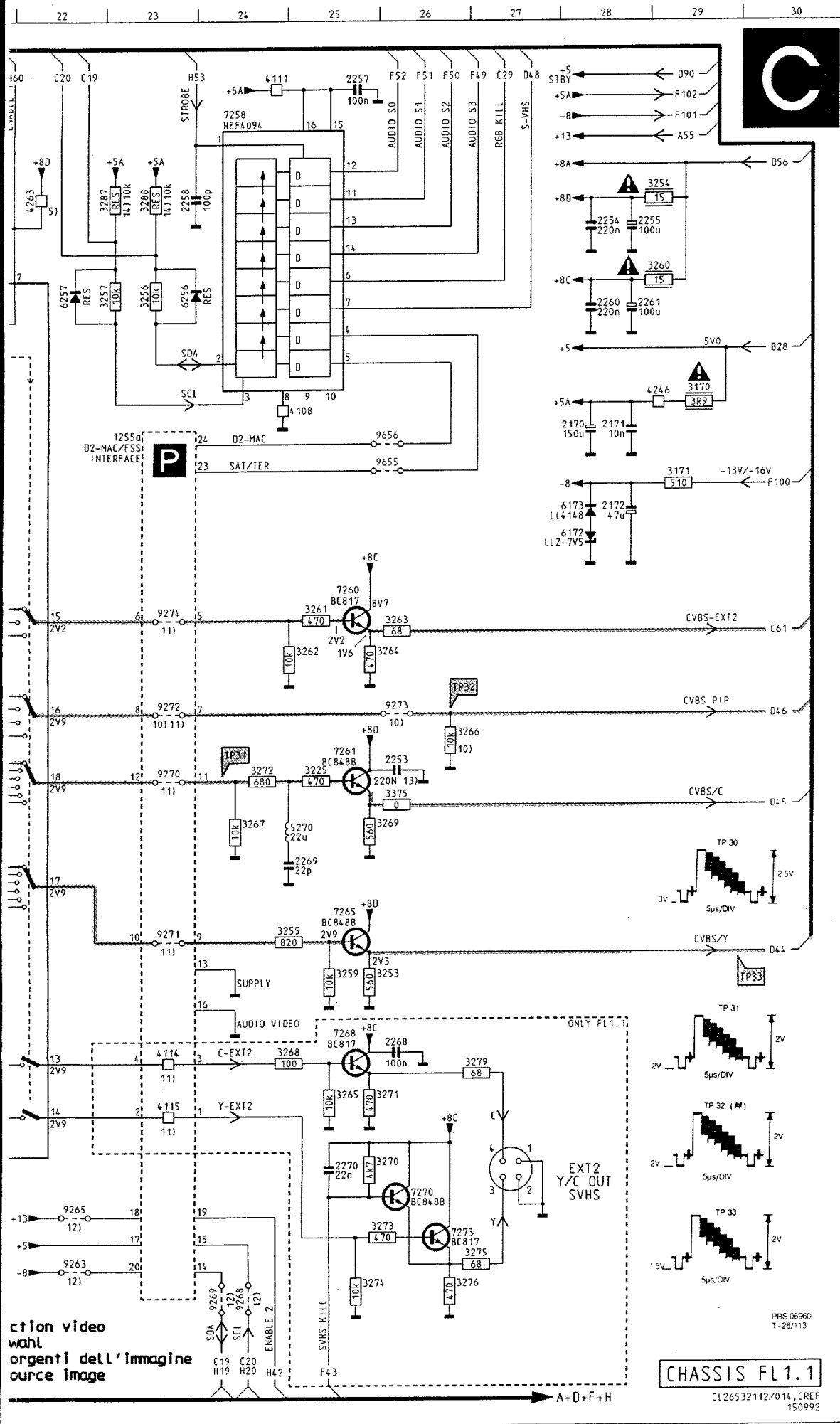


REMARKS/REMARQUES/ANMERKUNGEN/NOTE
 PRESENT IN SETS:
 PRESENT SUR LES APPAREILS:
 ANWESEND IN GERÄTEN:
 PRESENTE SUI MODELLI:
 PRESENTE SOBRE MODELOS:

- 1) PAL/SEC NTSC 3.58
- 2) PAL/SEC AND PAL/SEC NTSC 3.58
- 3) PAL ONLY
- 4) TEA6415
- 5) ONLY 2ND TUNER SPLITTER
- 6) 512k uP
- 7) ONLY FOR Y/C DETECTOR
- 8) NOT FOR Y/C DETECTOR
- 9) ONLY 16:9, 33" ML AND PTV
- 10) ONLY PIP
- 11) NOT FOR SAT BOX
- 12) ONLY SAT BOX
- 13) ONLY 16:9
- 14) NOT 16:9

Source selection
 Bildquellenwahl
 Selezione sorgenti
 Selección source

6.15 CHASSIS FL1.1

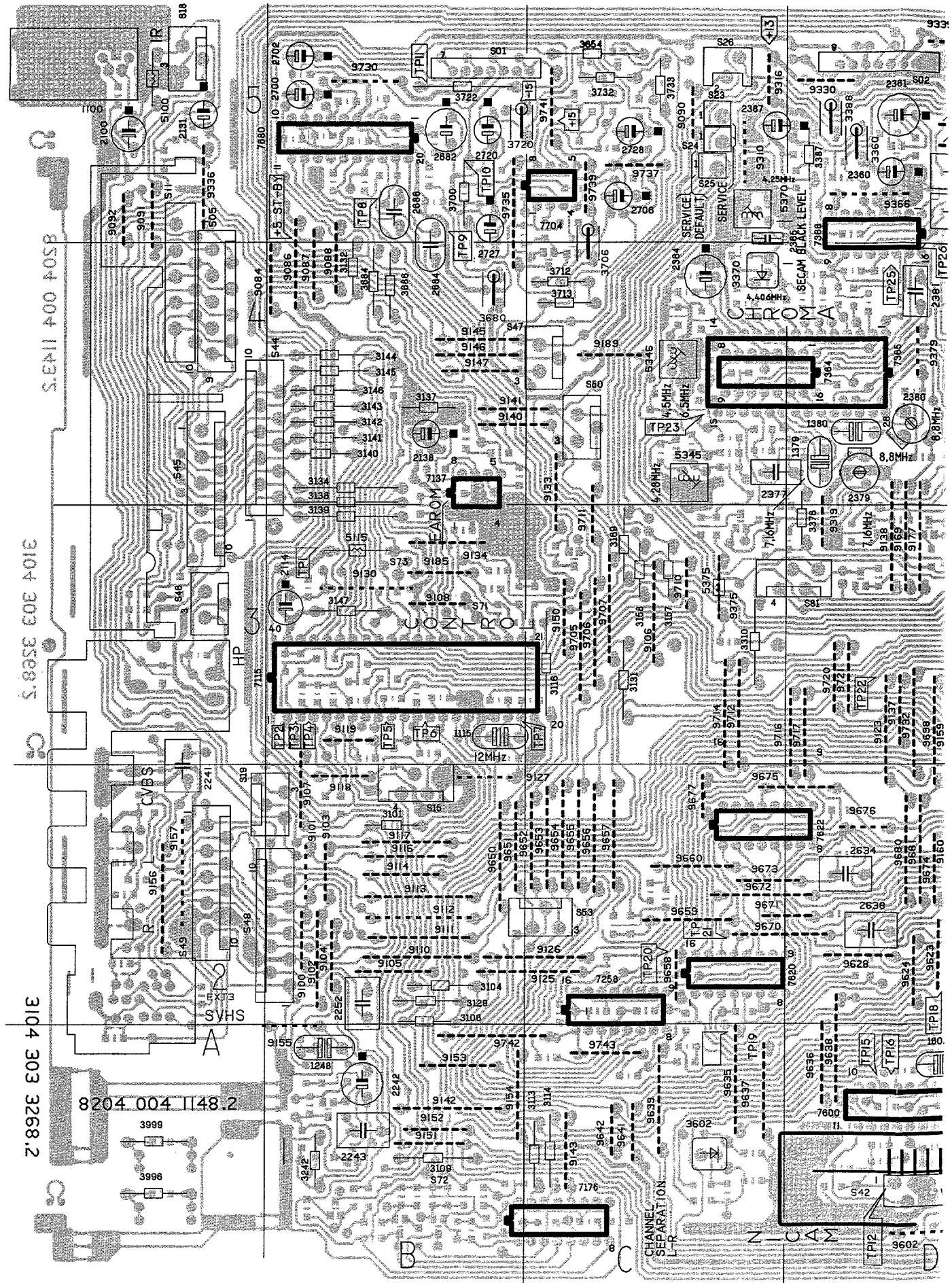


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2120	B 7	3242	J16	9273	H26
2121	A 8	3243	J17	9274	G23
2122	A10	3244	K16	9279	E15
2123	B11	3245	L16	9624	N 5
2160	A 6	3246	L16	9636	N 5
2161	B 4	3247	L16	9638	N 4
2163	E 2	3248	M16	9650	M17
2164	E 2	3249	N19	9655	E26
2165	A 4	3250	N19	9656	E26
2166	D 7	3251	O15		
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2169	C10	3253	K25		
2170	E28	3254	B29		
2171	E28	3255	J25		
2172	F28	3256	C23		
2180	B 5	3257	C23		
2181	D 6	3259	K25		
2188	I 7	3260	C29		
2189	J 7	3261	G25		
2190	H 7	3262	G25		
2191	J12	3263	G26		
2193	M 6	3264	G25		
2194	N 6	3265	L25		
2196	N 5	3266	H26		
2197	N 4	3267	I24		
2216	C15	3268	L25		
2219	C19	3269	I25		
2234	I19	3270	M25		
2240	J19	3271	L25		
2241	K18	3272	I24		
2242	K15	3273	N26		
2243	K17	3274	M25		
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2249	N19	3276	N26		
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2255	C28	3284	B20		
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2258	B23	3286	B21		
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2261	C28	3287	B21		
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3162	A 5	4237	E16		
3163	D 2	4241	B21		
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3165	F 3	4263	B22		
3166	C 6	4280	K20		
3167	C10	5270	I25		
3168	B10	6120	A 9		
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3175	I 7	6166	I 6		
3176	H 7	6168	B 9		
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3180	I 4	6178	F 6		
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3183	J 4	6280	B20		
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3187	L 8	7173	G 8		
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3194	N 6	7193	L 2		
3196	M 5	7216	B15		
3197	N 5	7219	C20		
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3211	C14	7273	N26		
3215	C14	7452	G 9		
3216	B15	9098	B 3		
3217	C14	9102	M16		
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3222	G20	9110	M17		
3224	D14	9167	D 8		
3225	I25	9168	D18		
3232	H20	9220	G18		
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3235	L16	9265	M22		
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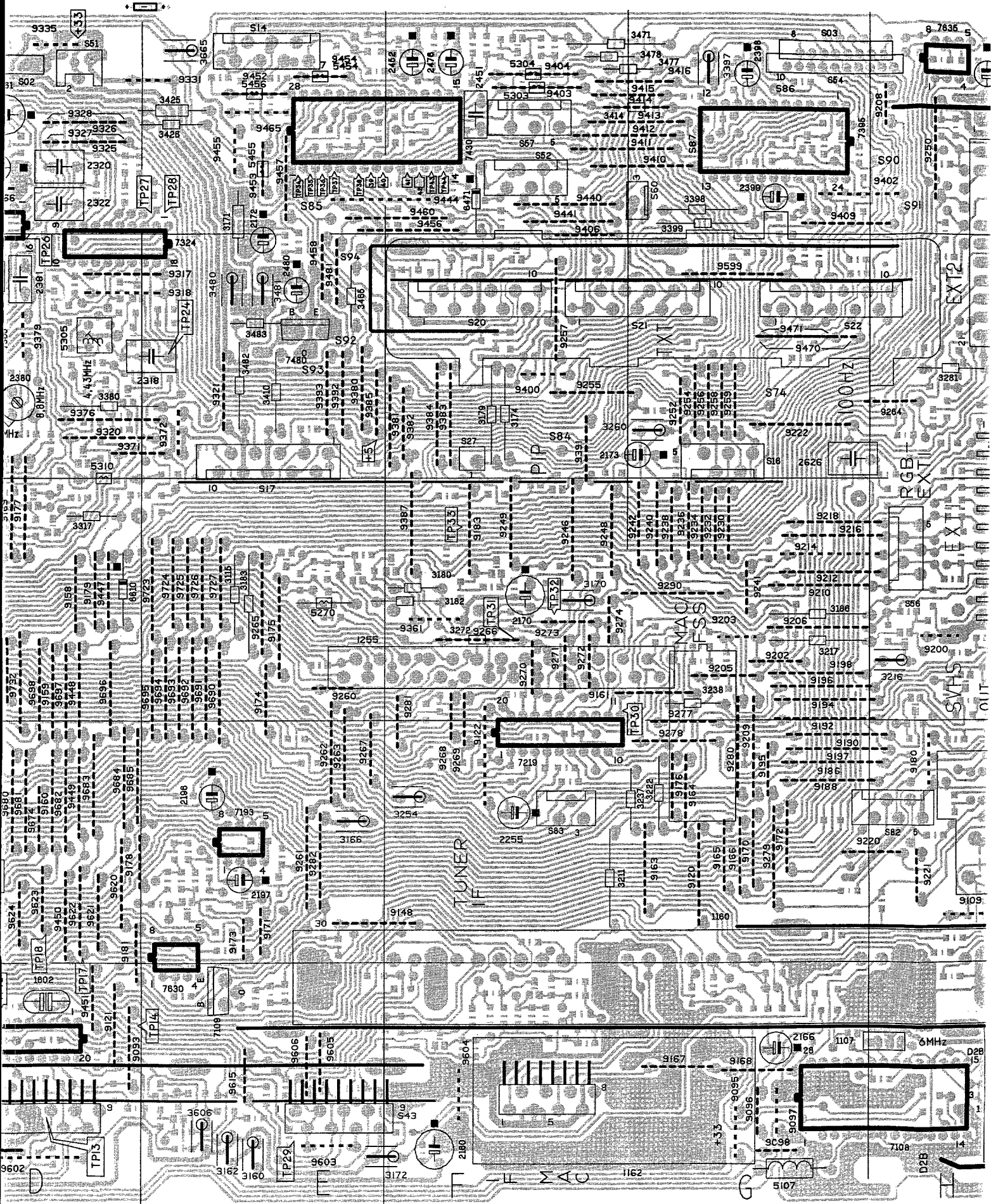
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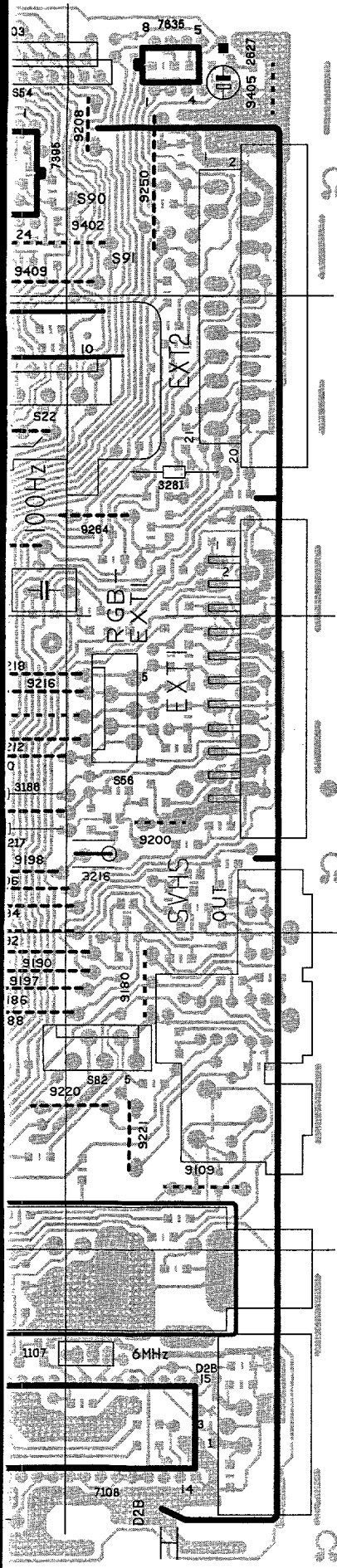
CHASSIS FL1.1

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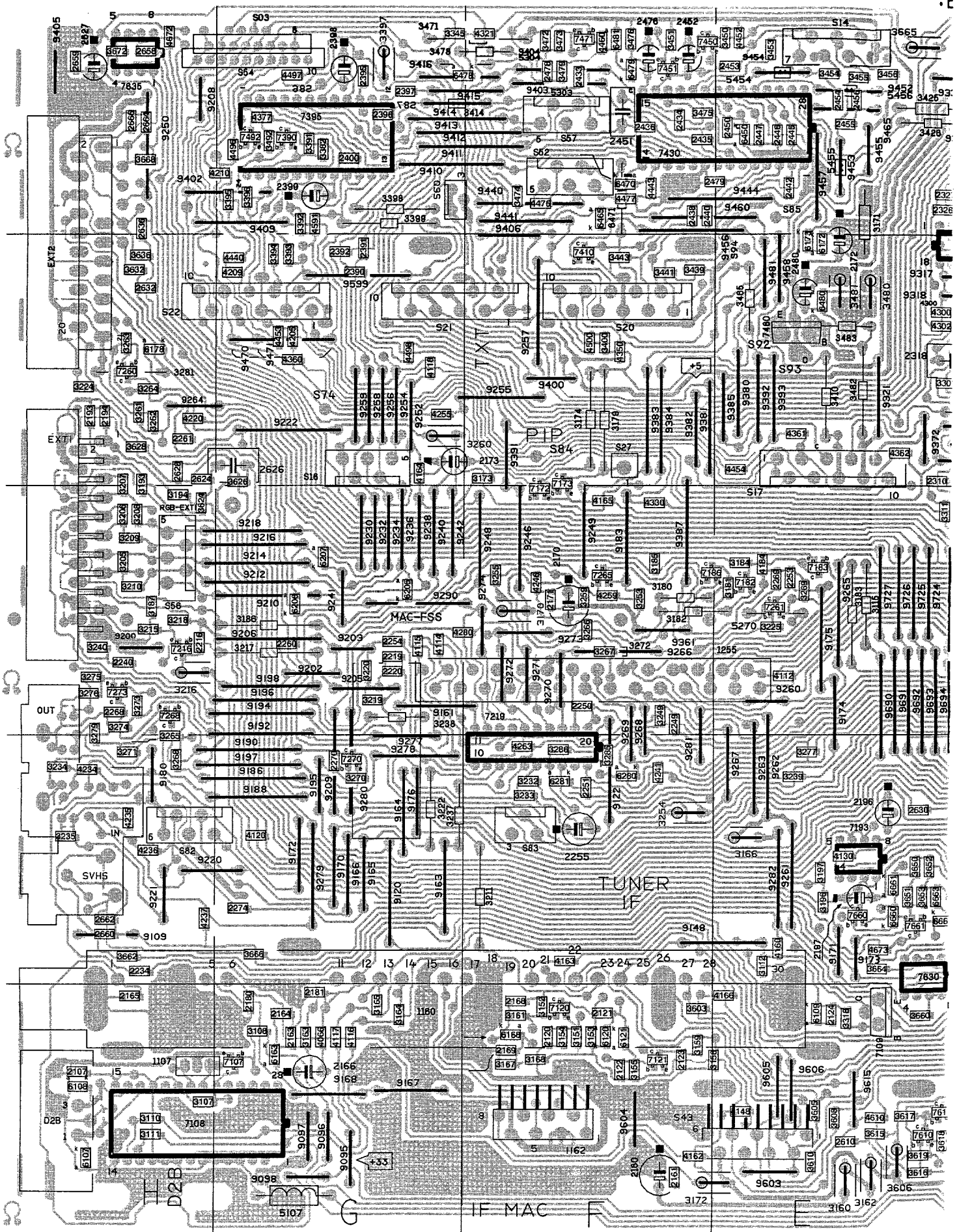


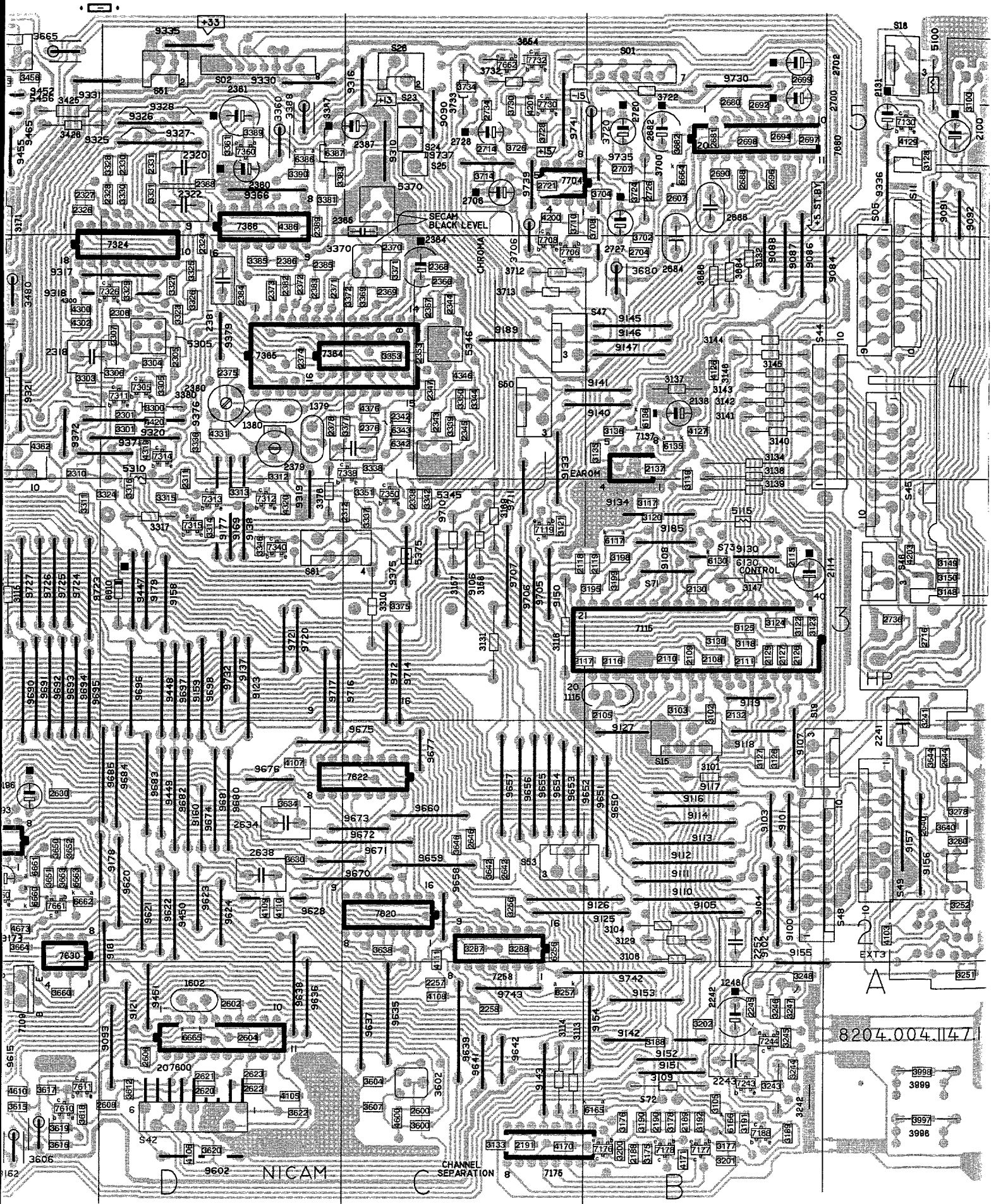
Platine à petite signaux





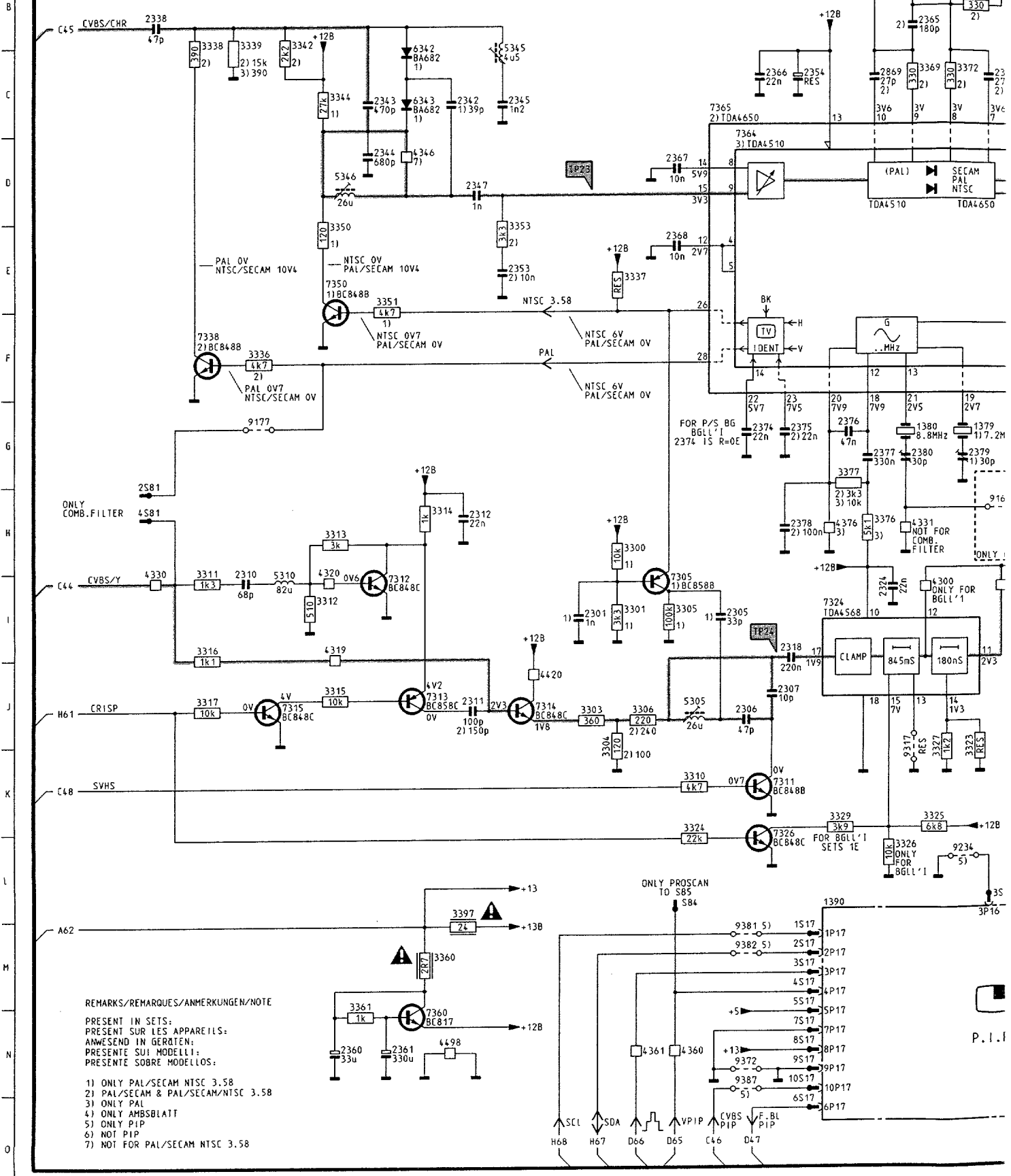
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EXT3 A3	2682 B5	3688 B4	9143 C1	9265 E3	9605 E1
S01 B5	2684 B4	3700 B5	9145 B4	9266 F3	9606 E1
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S03 H6	2700 B5	3712 C4	9147 B4	9268 F3	9620 D2
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S11 A5	2706 C5	3720 B5	9150 C3	9270 F3	9622 D2
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S15 B2	2727 B5	3732 C5	9152 B1	9272 F3	9624 D2
S16 G4	2728 C5	3733 C5	9153 B1	9273 F3	9628 D2
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S24 C5	3116 C3	5304 F5	9161 G3	9290 G3	9650 B2
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S46 A3	3140 B4	5455 E5	9170 G2	9325 D5	9658 C2
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S82 G2	3169 C3	7480 E4	9185 B3	9376 D4	9682 D2
S83 F2	3170 F3	7635 H5	9186 G2	9379 D4	9683 D2
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2361 D5	3410 E4	9117 B2	9241 G3	9450 D2	9737 C5
2364 C4	3414 G5	9118 B2	9242 G3	9451 D1	9739 C5
2365 C5	3425 E5	9119 B3	9246 F3	9452 E5	9741 C5
2377 C4	3426 E5	9120 G2	9248 F3	9453 E5	9742 B1
2379 D4	3466 E4	9121 D1	9249 F3	9454 E5	9743 C1
2380 D4	3471 F5	9122 F2	9250 H5	9455 E5	
2381 D4	3477 F5	9123 D3	9252 G4	9456 F5	
2387 C6	3478 F5	9125 C2	9254 G4	9457 E5	
2398 G5	3480 E4	9126 C2	9255 F4	9458 E4	
2399 G5	3481 E4	9127 B2	9256 G4	9460 F5	
2451 F5	3482 E4	9130 B3	9257 F4	9465 E5	
2452 F5	3483 E4	9133 C4	9258 G4	9470 G4	
2476 F5	3602 C1	9134 B3	9259 G4	9471 G4	
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D

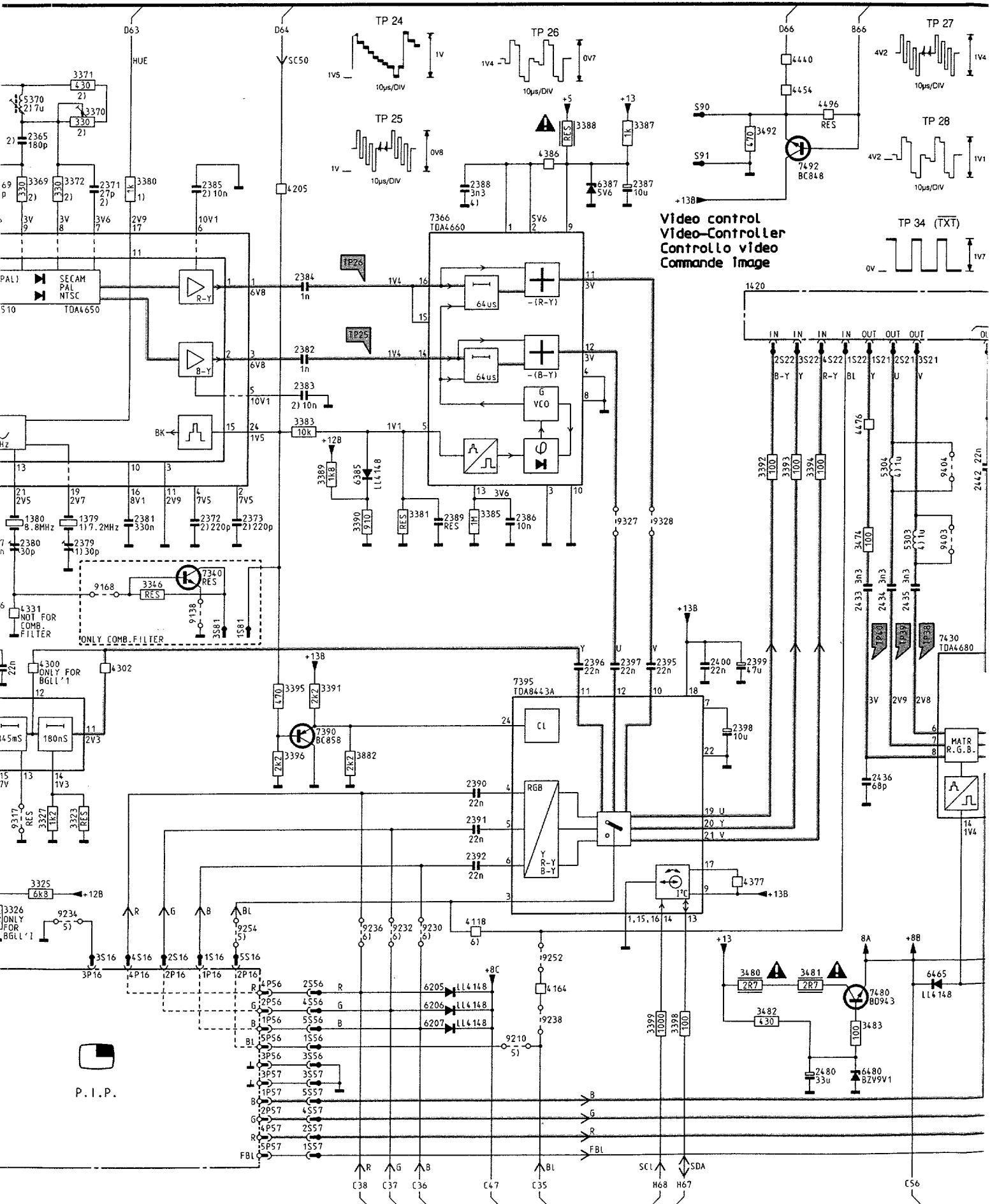
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Processore della crominanza
Traitement chrominance

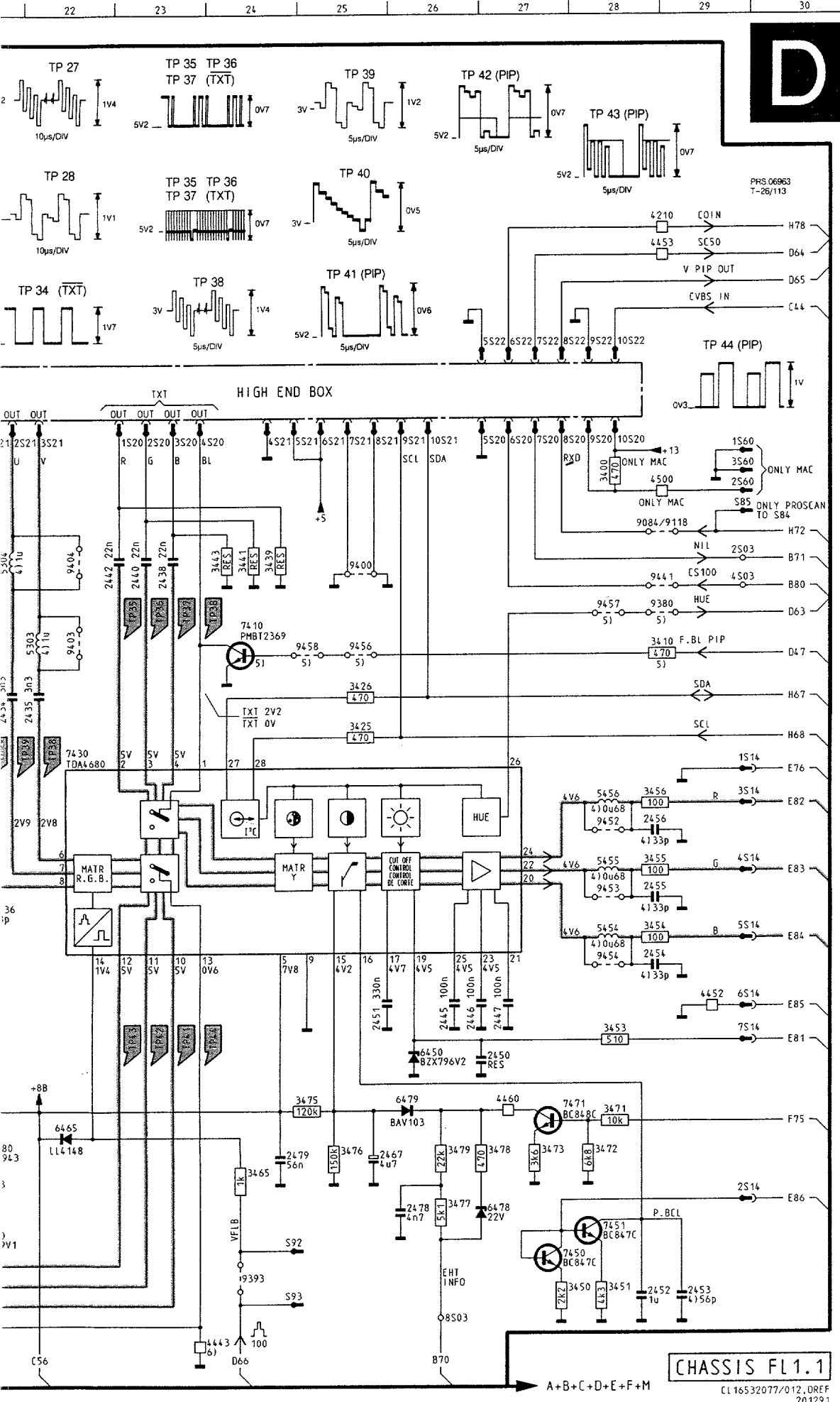


REMARKS/REMARQUES/ANMERKUNGEN/NOTE

- PRESENT IN SETS:
 - PRESENT SUR LES APPAREILS:
 - ANWESSEND IN GERÄTEN:
 - PRESENTI SUI MODELLI:
 - PRESENTI SOBRE MODELOS:
- 1) ONLY PAL/SECAM NTSC 3.58
 - 2) PAL/SECAM & PAL/SECAM/NTSC 3.58
 - 3) ONLY PAL
 - 4) ONLY AMBSBLATT
 - 5) ONLY PIP
 - 6) NOT PIP
 - 7) NOT FOR PAL/SECAM NTSC 3.58

P. I. I



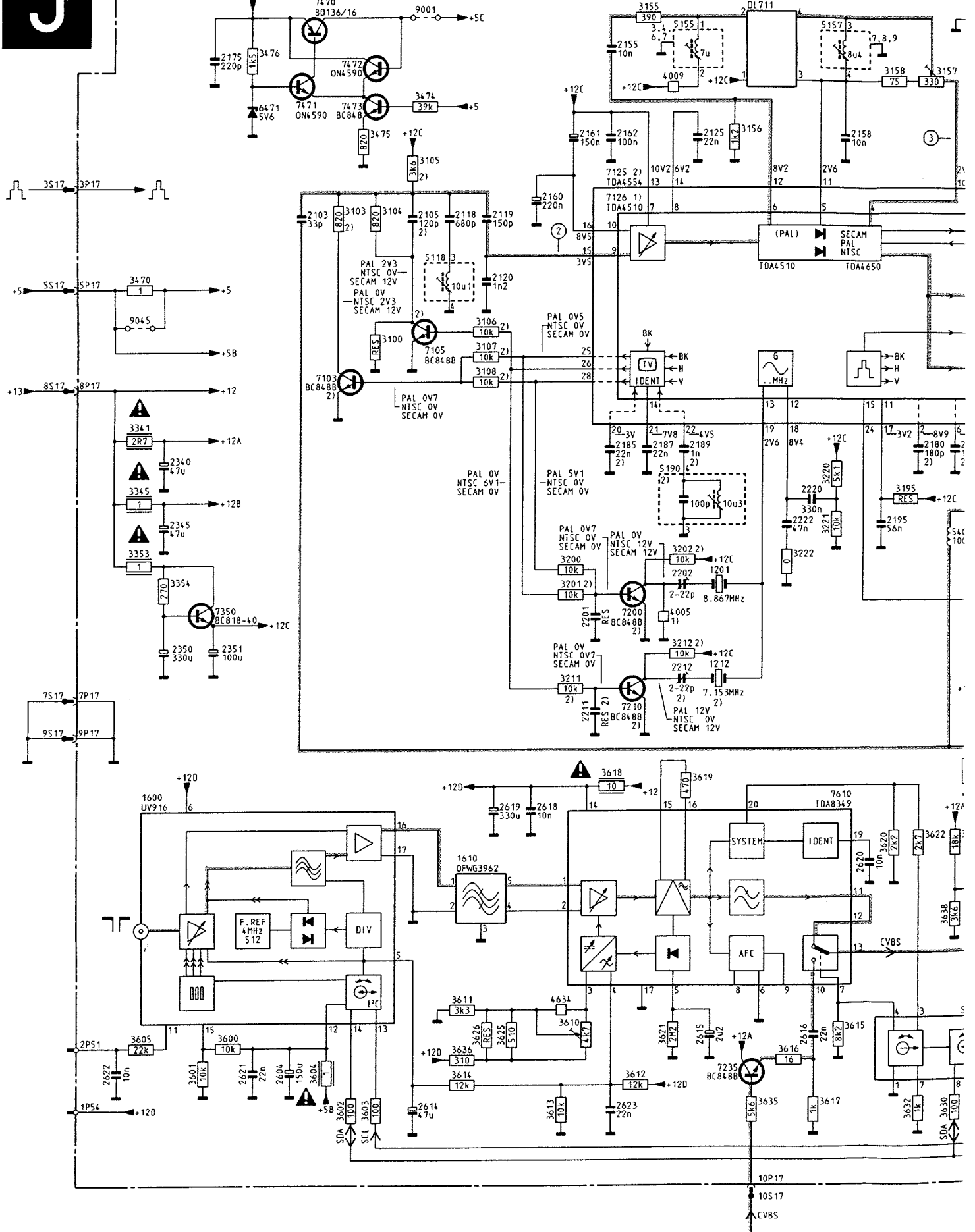


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2301	I 7	3388	B17	9168	H12
2305	J 9	3389	F14	9177	G 3
2306	J 9	3390	G15	9210	M17
2307	J 9	3391	I14	9230	L16
2310	I 3	3392	F20	9232	L15
2311	J 6	3393	F20	9234	L11
2312	H 6	3394	F20	9236	L15
2318	I 9	3395	I14	9238	M17
2324	L10	3396	J14	9252	L17
2338	B 2	3397	L 5	9254	L13
2342	C 5	3398	M19	9317	K11
2343	C 4	3399	M18	9327	G18
2344	D 4	3400	E28	9328	G18
2345	C 6	3410	G29	9372	N 9
2347	D 6	3425	H25	9380	G29
2353	E 6	3426	H25	9381	M 9
2354	C 9	3439	F24	9382	M 9
2360	N 4	3441	F24	9387	N 9
2361	N 5	3443	F24	9393	M24
2365	B11	3450	N27	9400	F25
2366	C 9	3451	N28	9403	G22
2367	D 8	3453	K28	9404	F22
2368	E 8	3454	J28	9441	F29
2371	C12	3455	J28	9452	L28
2372	G13	3456	I28	9453	J28
2373	G13	3465	M24	9454	K28
2374	G 9	3471	L28	9456	G25
2375	G 9	3472	M28	9457	G28
2376	G10	3473	M27	9458	G25
2377	G10	3474	G21		
2378	H 9	3475	L25		
2379	G11	3476	M25		
2380	G11	3477	M26		
2381	G12	3478	M27		
2382	E14	3479	M26		
2383	E14	3480	L20		
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2385	C13	3482	M20		
2386	G17	3483	M21		
2387	C18	3492	B20		
2388	C16	3882	J15		
2389	G16	4118	L16		
2390	J16	4164	M17		
2391	K16	4205	C14		
2392	K16	4210	C29		
2395	I18	4300	I11		
2396	I18	4302	I12		
2397	I18	4319	I 4		
2398	I19	4320	I 4		
2399	I20	4330	I 2		
2400	I19	4331	H11		
2433	H21	4346	D 5		
2434	H21	4360	N 8		
2435	H22	4361	N 8		
2436	J21	4376	H10		
2438	F23	4377	K20		
2440	F23	4386	B17		
2442	F22	4420	J 6		
2445	K26	4440	A20		
2446	K26	4443	O24		
2447	K27	4452	K29		
2450	L27	4453	C29		
2451	K25	4454	B20		
2452	N28	4460	L27		
2453	N29	4476	F21		
2454	K28	4496	B21		
2455	J28	4498	N 5		
2456	I28	4500	E29		
2467	M25	5303	G22		
2478	M26	5304	F21		
2479	M24	5305	J 8		
2480	M20	5310	I 3		
2869	C10	5345	C 6		
3300	H 7	5346	D 4		
3301	I 7	5370	B11		
3303	J 7	5454	J28		
3304	K 7	5455	J28		
3305	I 8	5456	I28		
3306	J 8	6205	M16		
3310	K 8	6206	M16		
3311	I 3	6207	M16		
3312	I 4	6342	C 5		
3313	H 4	6343	C 5		
3314	H 5	6385	F15		
3315	J 4	6387	C18		
3316	I 3	6450	L26		
3317	J 3	6465	M22		
3323	K11	6478	M27		
3324	K 8	6479	L26		
3325	K11	6480	N21		
3326	L10	7305	I 8		
3327	K11	7311	K 9		
3329	K10	7312	I 5		
3336	F 3	7313	J 5		
3337	E 7	7314	J 6		
3338	B 2	7315	J 3		
3339	B 3	7324	I10		
3342	B 3	7326	L 9		
3344	C 4	7338	F 2		
3346	H12	7340	H13		
3350	D 4	7350	E 4		
3351	E 5	7360	N 5		
3353	D 6	7364	D 9		
3360	M 5	7365	C 8		
3361	N 4	7366	C16		
3369	C11	7390	J14		
3370	B11	7395	I17		
3371	B11	7410	G24		
3372	C11	7430	H22		
3376	H10	7450	N27		
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CHASSIS FL1.1
 CL 16532077/012, DREF
 201291

J

PIP-MODULE



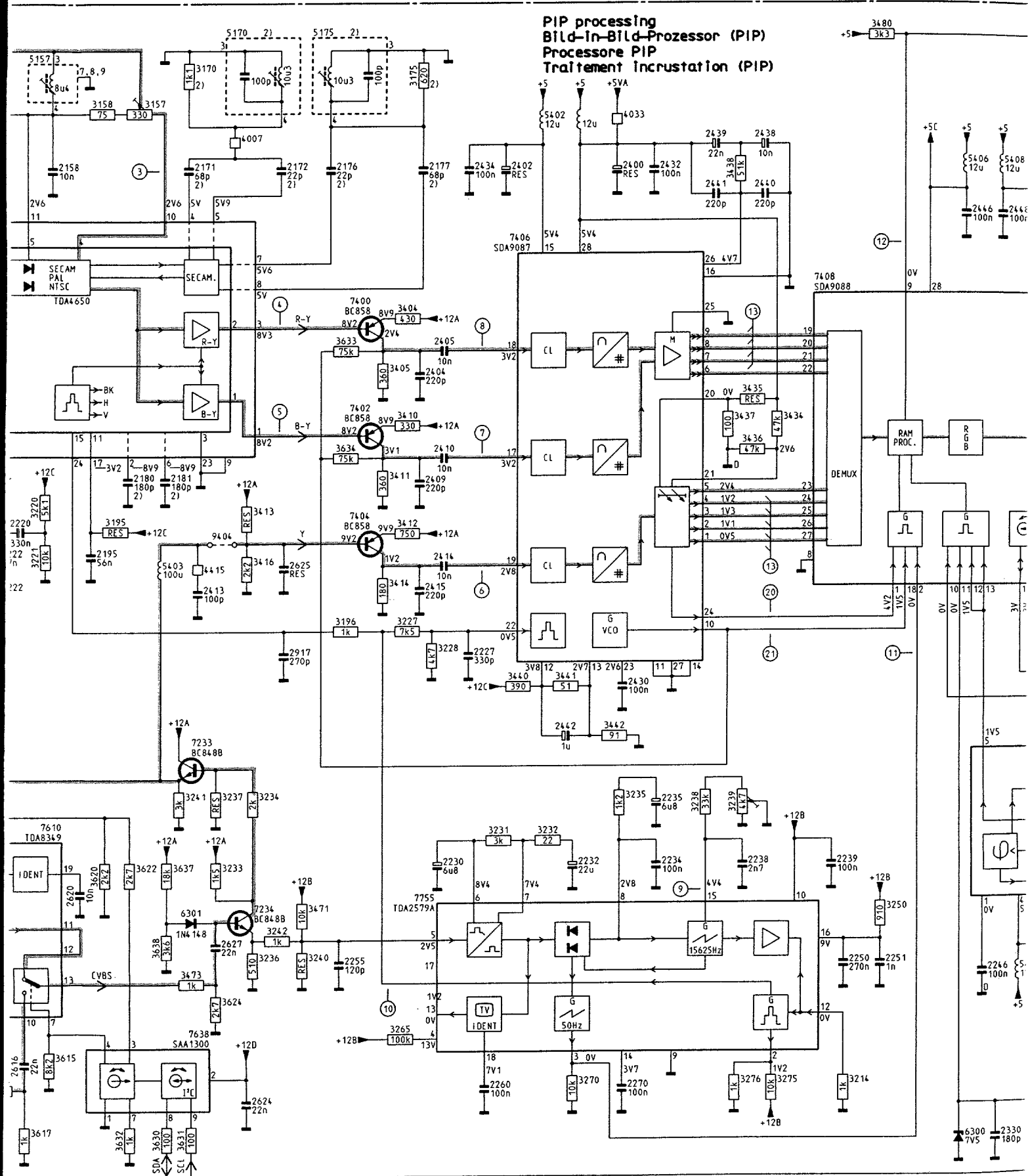
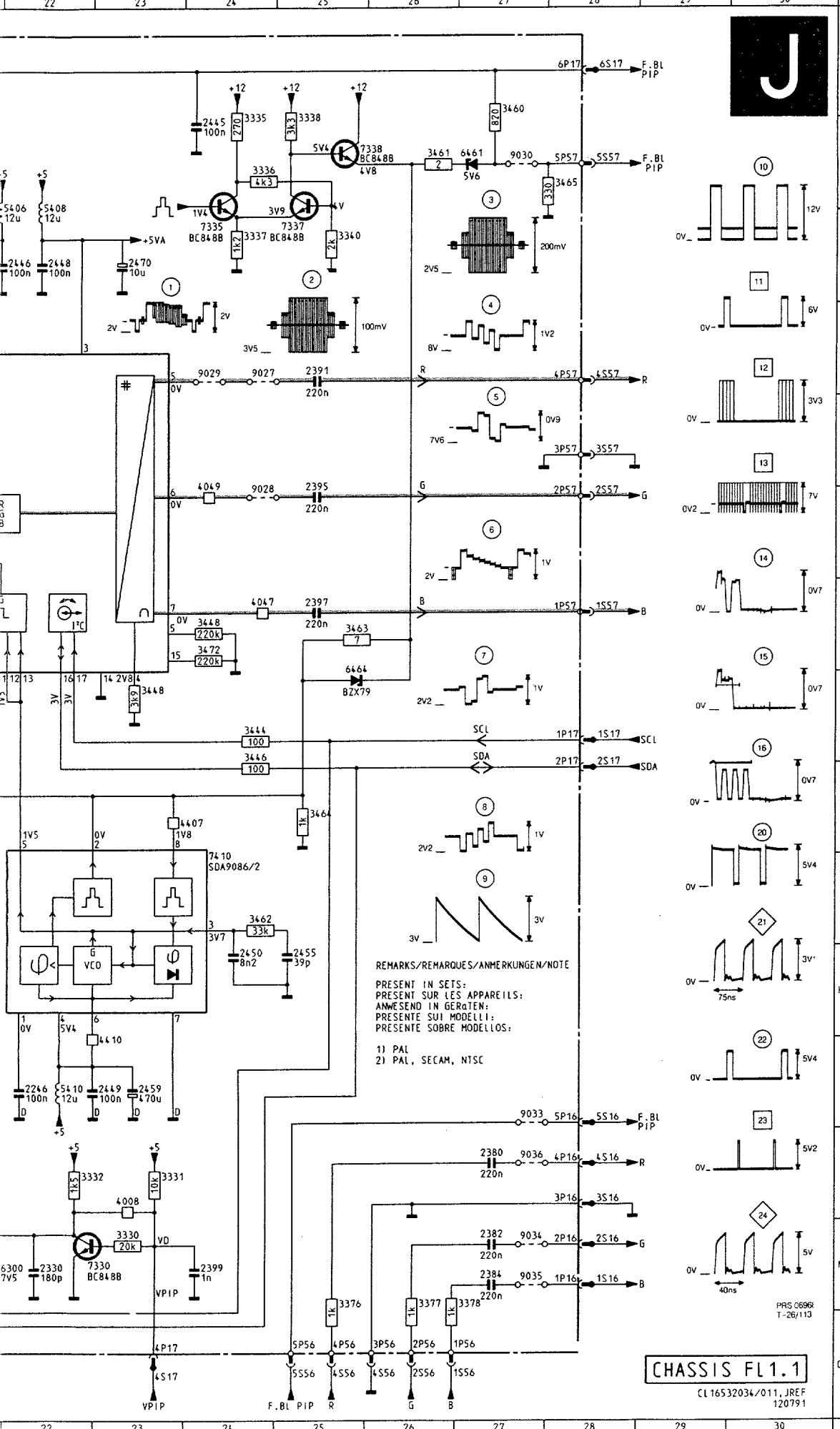


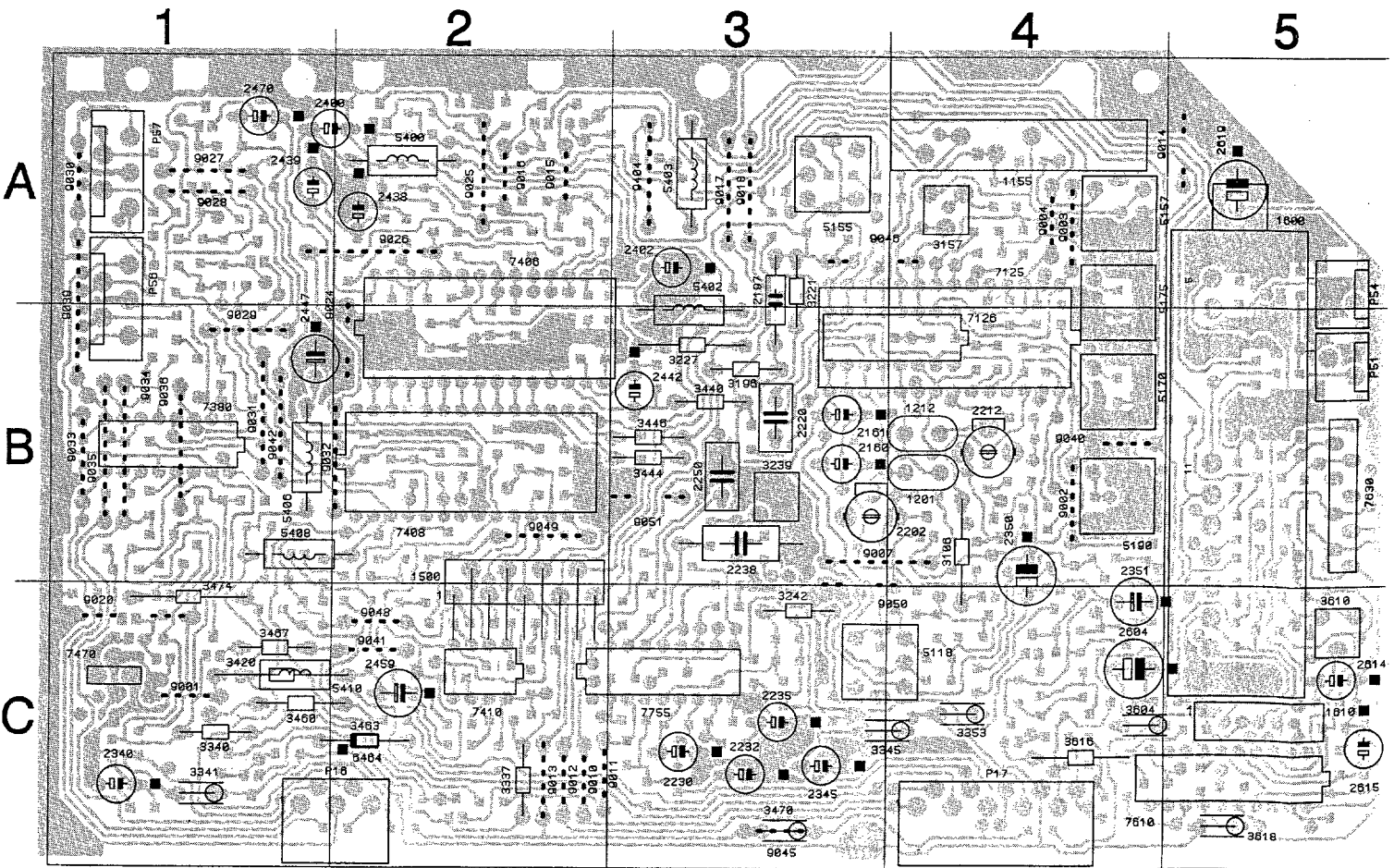
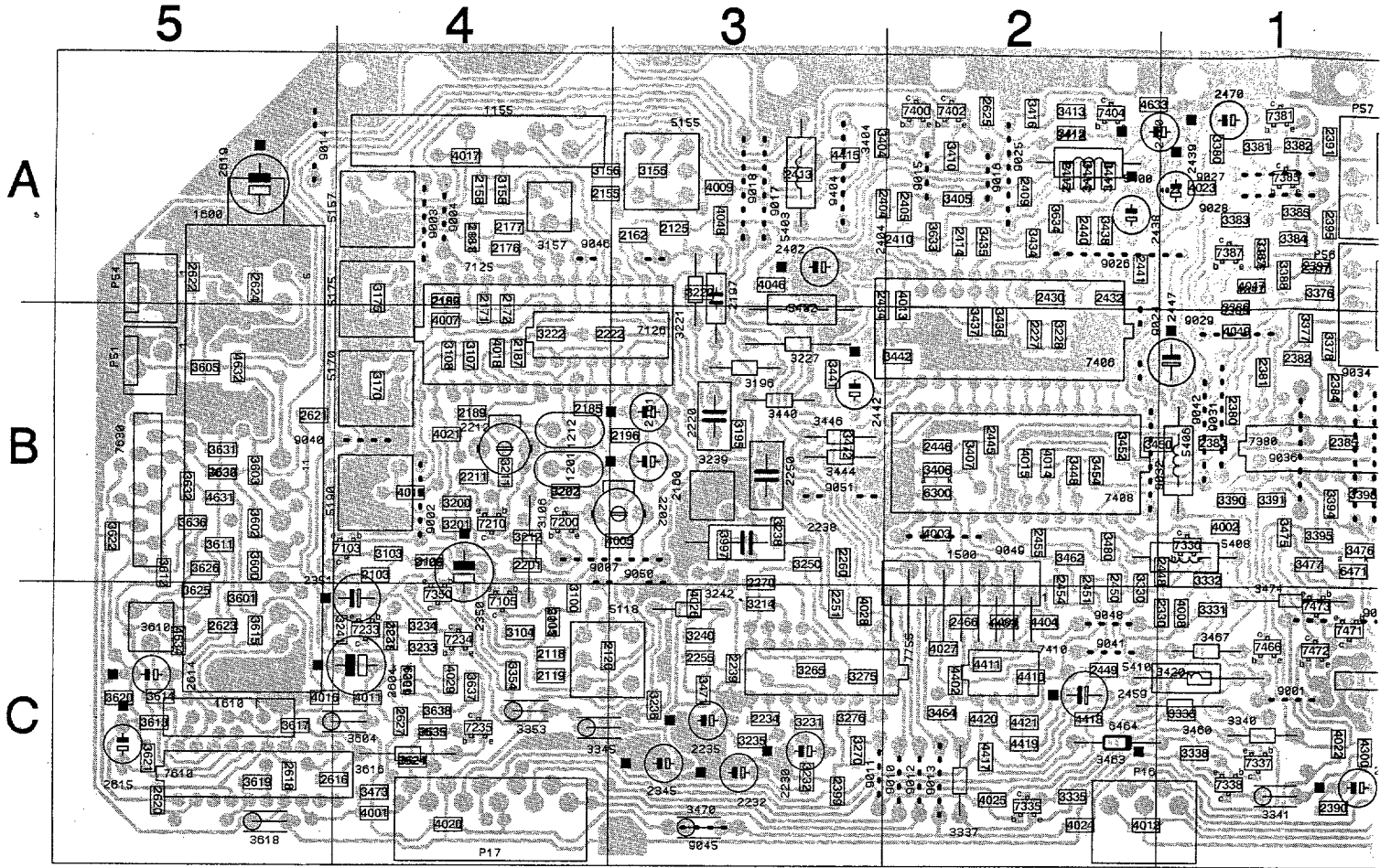
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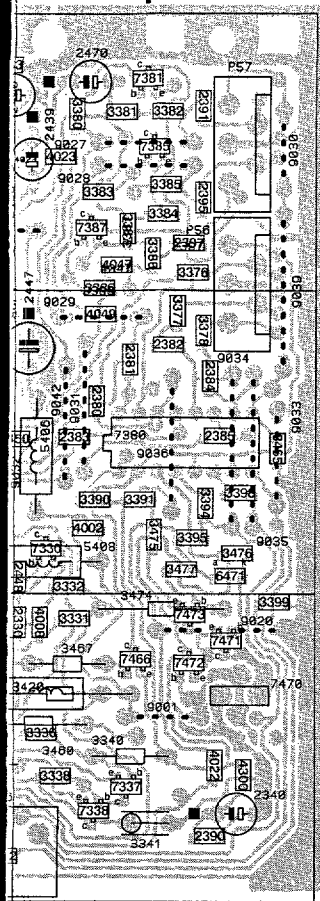
REMARKS/REMARQUES/ANMERKUNGEN/NOTE
 PRESENT IN SETS:
 PRESENT SUR LES APPAREILS:
 ANWESEND IN GERÄTEN:
 PRESENTE SUI MODELLI:
 PRESENTE SOBRE MODELOS:
 1) PAL
 2) PAL, SECAM, NTSC

1155	A 9	3212	1 9	5155	A 8
1201	H 9	3214	M20	5157	A10
1212	I 9	3220	G10	5170	A13
1600	J 2	3221	G10	5175	A14
1610	K 6	3222	G10	5190	G 8
2103	D 4	3227	H15	5402	B16
2105	D 5	3228	H15	5403	G12
2118	D 6	3231	J16	5406	C21
2119	D 6	3232	J16	5408	C22
2120	D 6	3233	K13	5410	L22
2125	C 9	3234	J13	6300	N21
2155	B 8	3235	J17	6301	K12
2158	C11	3236	L13	6461	B27
2160	C 7	3237	J13	6464	H25
2161	C 7	3238	J18	6471	B 3
2162	C 8	3239	J19	7103	E 4
2171	C12	3240	L14	7105	E 5
2172	C13	3241	J12	7125	C 8
2175	B 3	3242	L13	7126	C 8
2176	C14	3250	K21	7200	H 8
2177	C15	3265	H15	7210	I 8
2180	F11	3270	M17	7233	I12
2181	F12	3275	M19	7234	K13
2185	F 8	3276	M19	7235	N 9
2187	F 8	3330	N23	7330	N22
2189	F 9	3331	M23	7335	C24
2195	G11	3332	M22	7337	C25
2201	H 7	3335	A24	7338	B25
2202	H 9	3336	B24	7350	H 3
2211	I 7	3337	C24	7400	D14
2212	I 9	3338	A25	7402	E14
2220	G10	3340	C25	7404	G14
2222	G10	3341	F 2	7406	C16
2227	H16	3345	G 2	7408	D20
2230	K15	3353	G 2	7410	I24
2232	K17	3354	H 2	7470	A 4
2234	K18	3376	N25	7471	B 4
2235	J18	3377	N26	7472	B 5
2238	K19	3378	N27	7473	B 5
2239	K20	3404	D15	7610	J11
2246	L22	3405	E15	7638	M12
2250	L20	3410	F15	7755	K15
2251	L21	3411	F15	9001	A 5
2255	L14	3412	G15	9027	D24
2260	M16	3413	G13	9028	F24
2270	M17	3414	G15	9029	D24
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2345	G 2	3435	F19	9034	N27
2350	I 2	3436	F19	9035	M27
2351	I 3	3437	F19	9036	M27
2380	M27	3438	C19	9045	E 2
2382	N27	3440	I16	9404	G13
2384	N27	3441	I17		
2391	D25	3442	I17		
2395	F25	3444	H24		
2397	G25	3446	H24		
2399	N24	3448	H23		
2400	C17	3448	G24		
2402	C16	3460	A27		
2404	E15	3461	B26		
2405	E15	3462	J24		
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2410	F15	3464	I25		
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2438	B19	3475	B 5		
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2441	C18	3600	M 3		
2442	I17	3601	N 3		
2445	B24	3602	N 5		
2446	C22	3603	N 5		
2448	C22	3604	N 4		
2449	L23	3605	M 2		
2450	K24	3610	M 7		
2455	K25	3611	M 6		
2459	L23	3612	N 8		
2470	C23	3613	N 7		
2604	N 4	3614	N 6		
2614	N 5	3615	M11		
2615	M 9	3616	M10		
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2618	K 7	3618	J 8		
2619	K 6	3619	J 9		
2620	K11	3620	K11		
2621	N 3	3621	M 8		
2622	N 2	3622	K12		
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2625	G13	3626	M 6		
2627	L13	3630	N12		
2917	H13	3631	N12		
3100	E 5	3632	N11		
3103	C 5	3633	E14		
3104	C 5	3634	F14		
3105	C 5	3635	N10		
3106	E 6	3636	M 6		
3107	E 6	3637	K12		
3108	E 6	3638	L12		
3155	A 8	4005	H 8		
3156	B 9	4007	B13		
3157	B12	4008	M23		
3158	B11	4009	B 8		
3170	A12	4033	B17		
3175	A15	4047	G24		
3195	G11	4049	F24		
3196	H14	4407	I23		
3200	H 7	4410	L23		
3201	H 7	4415	G12		
3202	G 9	4634	M 7		
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CHASSIS FL1.1
 CL 16532034/011, JREF
 120791

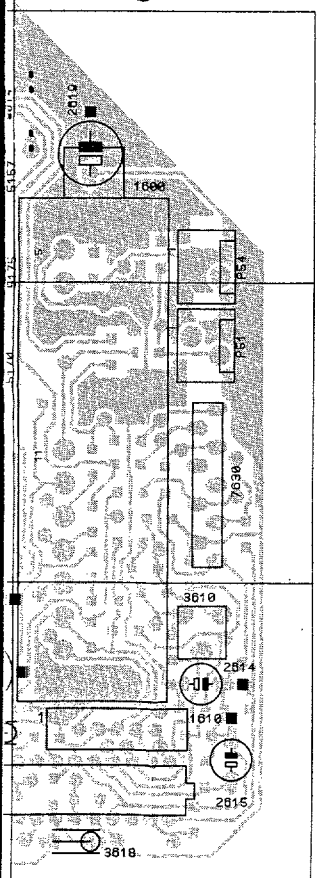


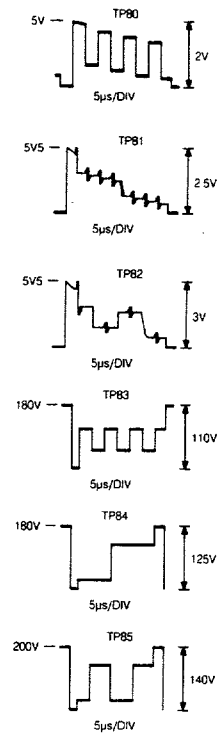
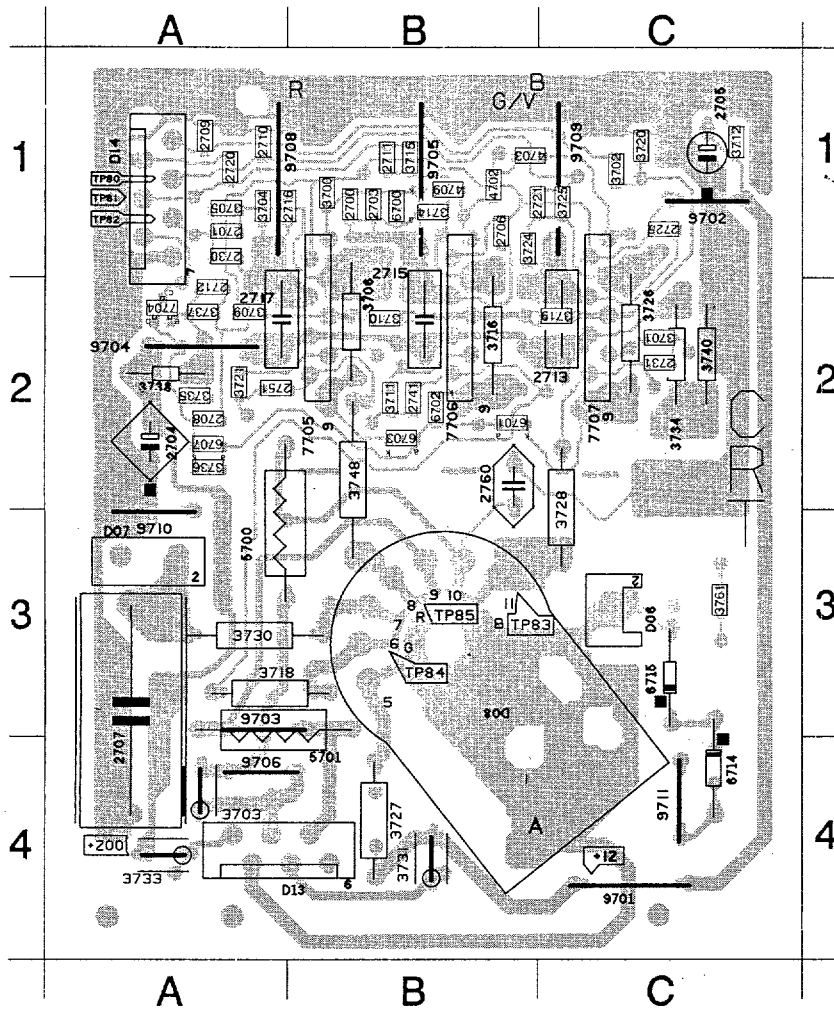
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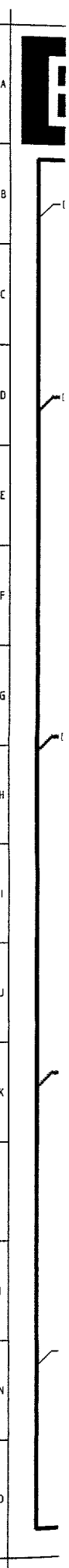
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P54 A5	2439 A2	3338 C1	3618 C5	6464 C2
P56 B1	2440 A2	3340 C1	3619 C5	6471 B1
P57 A1	2441 A2	3341 C1	3620 C5	7103 B5
1155 A4	2442 B3	3345 C4	3621 C5	7105 C4
1201 B4	2445 B2	3353 C4	3622 B5	7125 A4
1212 B4	2446 B2	3354 C4	3624 C4	7126 A4
1500 B2	2447 B2	3376 A1	3625 B5	7200 B4
1600 B5	2448 B2	3377 B1	3626 B5	7210 B4
1610 C5	2449 C2	3378 B1	3630 B5	7233 C4
2103 B4	2450 B2	3380 A1	3631 B5	7234 C4
2105 C4	2451 B2	3381 A1	3632 B5	7235 C4
2118 C4	2454 B2	3382 A1	3633 A2	7330 B1
2119 C4	2455 B2	3383 A1	3634 A2	7335 C2
2120 C4	2459 C2	3384 A1	3635 C4	7337 C1
2125 A3	2466 C2	3385 A1	3636 B5	7338 C1
2155 A4	2470 A1	3386 A1	3637 C4	7350 B4
2158 A4	2604 C4	3387 A1	3638 C4	7380 B1
2160 B3	2614 C5	3388 A1	3997 B3	7381 A1
2161 B3	2615 C5	3390 B1	4001 C4	7385 A1
2162 A3	2616 C5	3391 B1	4002 B1	7387 A1
2171 A4	2618 C5	3394 B1	4003 B2	7400 A2
2172 A4	2619 A5	3395 B1	4005 B4	7402 A2
2176 A4	2620 C5	3398 B1	4007 B4	7404 A2
2177 A4	2621 B5	3399 B1	4008 C1	7406 B2
2180 A4	2622 A5	3404 A3	4009 A3	7408 B2
2181 A4	2623 C5	3405 A2	4011 C4	7410 C2
2185 B4	2624 A5	3406 B2	4012 C2	7466 C1
2187 B4	2625 A2	3407 B2	4013 A3	7470 C1
2189 B4	2627 C4	3410 A2	4014 B2	7471 C1
2196 B4	3100 B4	3411 A2	4015 B2	7472 C1
2197 A3	3103 B4	3412 A2	4016 C5	7473 C1
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2202 B4	3105 B4	3414 A2	4018 B4	7630 B5
2211 B4	3106 B4	3416 A2	4019 B4	7755 C3
2212 B4	3107 B4	3420 C1	4020 C4	9001 C1
2220 B3	3108 B4	3434 A2	4021 B4	9002 B4
2222 B4	3155 A3	3435 A2	4022 C1	9003 A4
2227 B2	3156 A4	3436 B2	4023 A1	9004 A4
2230 C3	3157 A4	3437 B2	4024 C2	9007 B4
2232 C3	3158 A4	3438 A2	4025 C2	9010 C2
2234 C3	3170 B4	3440 B3	4026 C3	9011 C3
2235 C3	3175 A4	3441 B3	4027 C2	9012 C2
2238 B3	3195 B3	3442 B3	4028 C3	9013 C2
2239 C3	3196 B3	3444 B3	4029 C4	9014 A5
2250 B3	3200 B4	3446 B3	4046 A3	9015 A2
2251 C3	3201 B4	3448 B2	4047 A1	9016 A2
2255 C3	3202 B4	3450 B2	4048 A3	9017 A3
2260 B3	3211 B4	3452 B2	4049 B1	9018 A3
2270 B3	3212 B4	3454 B2	4300 C1	9020 C1
2300 C2	3214 C3	3460 C1	4402 C2	9024 B2
2340 C1	3220 A3	3462 B2	4403 C2	9025 A2
2345 C3	3221 A3	3463 C2	4404 C2	9026 A2
2350 B4	3222 B4	3464 C2	4410 C2	9027 A1
2351 B4	3227 B3	3465 B1	4411 C2	9028 A1
2380 B1	3228 B2	3467 C1	4415 A3	9029 B1
2381 B1	3231 C3	3470 C3	4417 C2	9030 A1
2382 B1	3232 C3	3471 C3	4418 C2	9031 B1
2383 B1	3233 C4	3472 B3	4419 C2	9032 B2
2384 B1	3234 C4	3473 C4	4420 C2	9033 B1
2385 B1	3235 C3	3474 B1	4421 C2	9034 B1
2390 C1	3236 C3	3475 B1	4631 B5	9035 B1
2391 A1	3237 C4	3476 B1	4632 B5	9036 B1
2395 A1	3238 B3	3477 B1	4633 A2	9039 A1
2397 A1	3239 B3	3480 B2	4634 C5	9040 B4
2399 C3	3240 C3	3600 B5	5118 C4	9041 C2
2400 A2	3241 C5	3601 B5	5155 A3	9042 B1
2402 A3	3242 C3	3602 B5	5157 A4	9046 A4
2404 A3	3250 B3	3603 B5	5170 B4	9048 C2
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2409 A2	3270 C3	3605 B5	5190 B4	9050 B3
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2413 A3	3276 C3	3611 B5	5402 A3	9404 A3
2414 A2	3330 B2	3612 B5	5403 A3	
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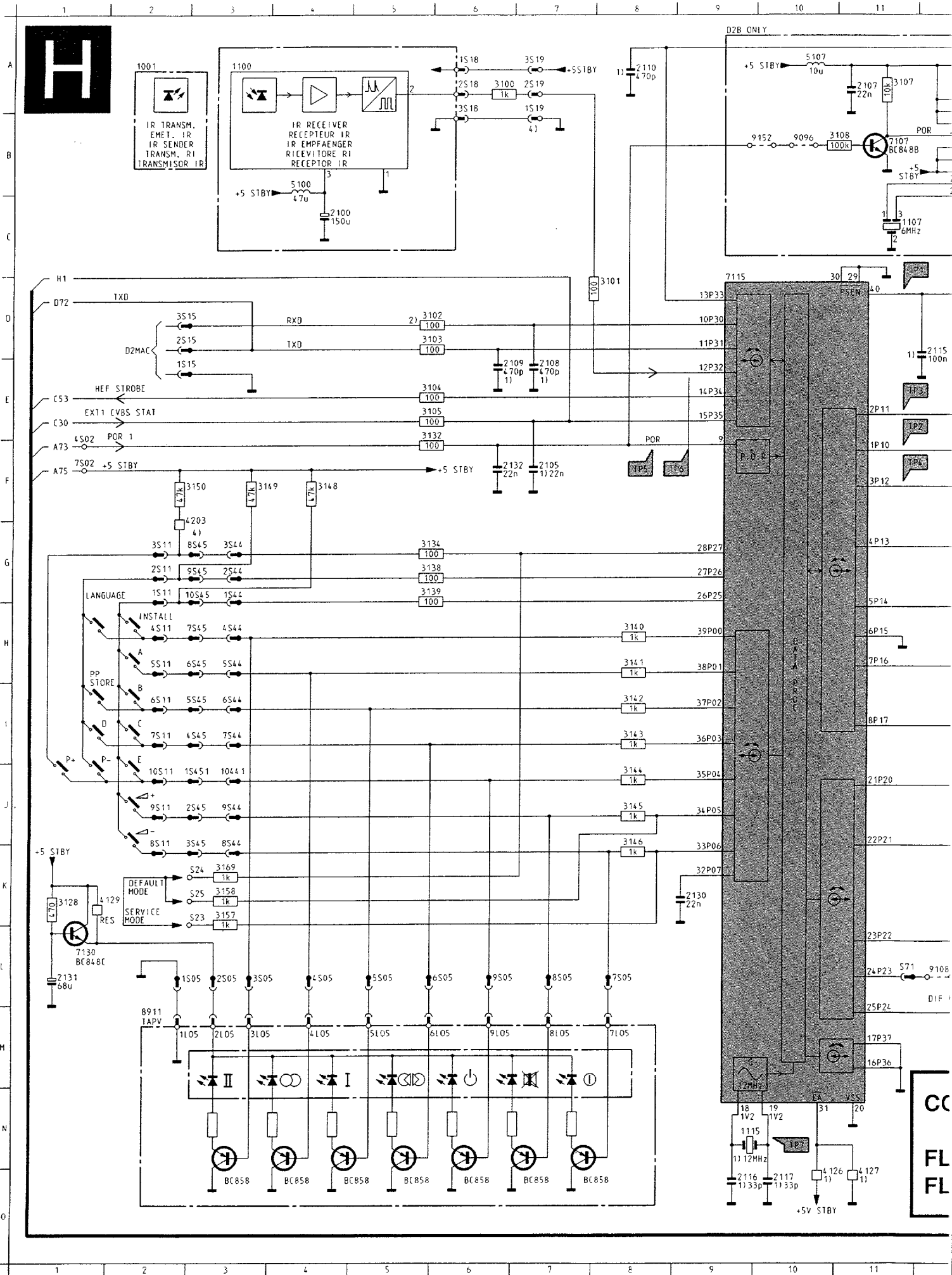
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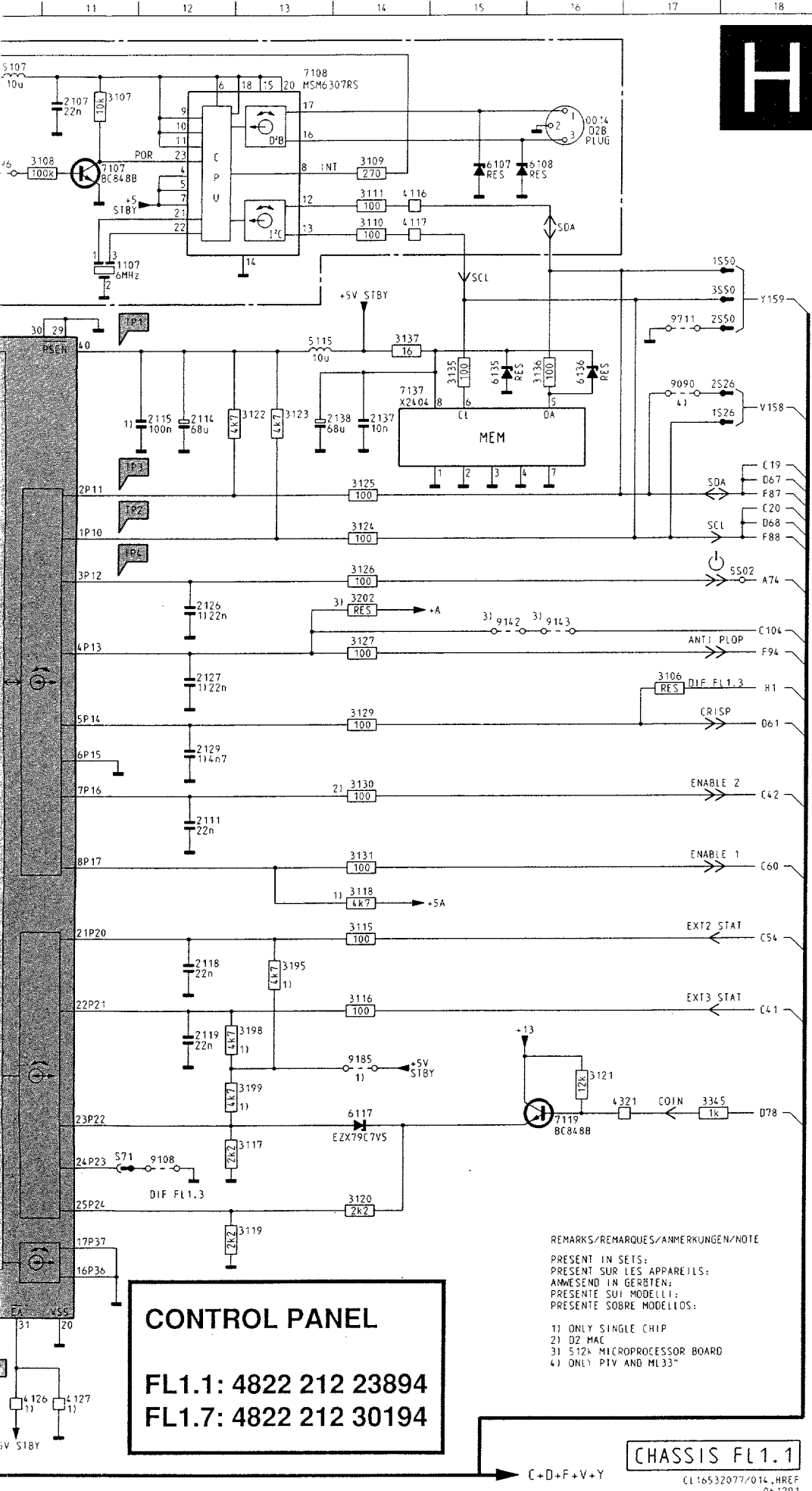


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2706 B1	3715 B1	6703 B2
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2715 B2	3725 C1	7707 C1
2718 A1	3726 C2	9701 C4
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2720 A1	3728 C2	9703 A3
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2730 A1	3733 A4	9706 A4
2731 C2	3734 C2	9708 A1
2741 B2	3735 A2	9709 C1
2751 A2	3736 A2	9710 A2
2760 B2	3737 A2	9711 C3
3700 B1	3738 A2	
3701 C2	3740 C2	

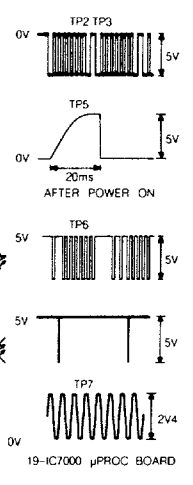




6.32 **6.33** **CHASSIS FL1.1**



0014	A16
1001	A 2
1100	A 3
1107	C11
1115	N 9
2100	C 4
2105	F 7
2107	A11
2108	E 7
2109	E 6
2110	A 8
2111	I12
2114	D12
2115	D12
2116	O 9
2117	O10
2118	J12
2119	K12
2126	F12
2127	G12
2129	H12
2130	K 9
2131	L 1
2132	F 6
2137	D14
2138	D13
3100	A 6
3101	O 8
3102	O 5
3103	O 5
3104	E 5
3105	E 5
3106	G17
3107	A11
3108	B11
3109	B14
3110	B14
3111	B14
3115	J14
3116	J14
3117	L13
3118	I14
3119	M13
3120	M14
3121	K16
3122	D13
3123	D13
3124	F14
3125	E14
3126	F14
3127	G14
3129	H14
3130	H14
3131	I14
3132	F 5
3134	G 5
3135	D15
3136	D16
3137	D14
3138	G 5
3139	G 5
3140	H 8
3141	H 8
3142	I 8
3143	I 8
3144	J 8
3145	J 8
3146	K 8
3148	F 4
3149	F 3
3150	F 2
3157	K 3
3158	K 3
3169	K 3
3195	J13
3198	K13
3199	K13
3202	F14
3345	L17
4116	B14
4117	B14
4126	O10
4127	O11
4129	K 1
4203	G 2
4321	L17
5100	B 4
5107	A10
5115	D13
6107	B15
6108	B16
6117	L14
6135	D15
6136	O16
7107	B11
7108	A13
7119	L16
7130	L 1
7137	D14
8911	M 2
9090	D17
9096	B10
9108	L12
9142	G15
9143	G16
9152	B10
9185	K14
9711	C17

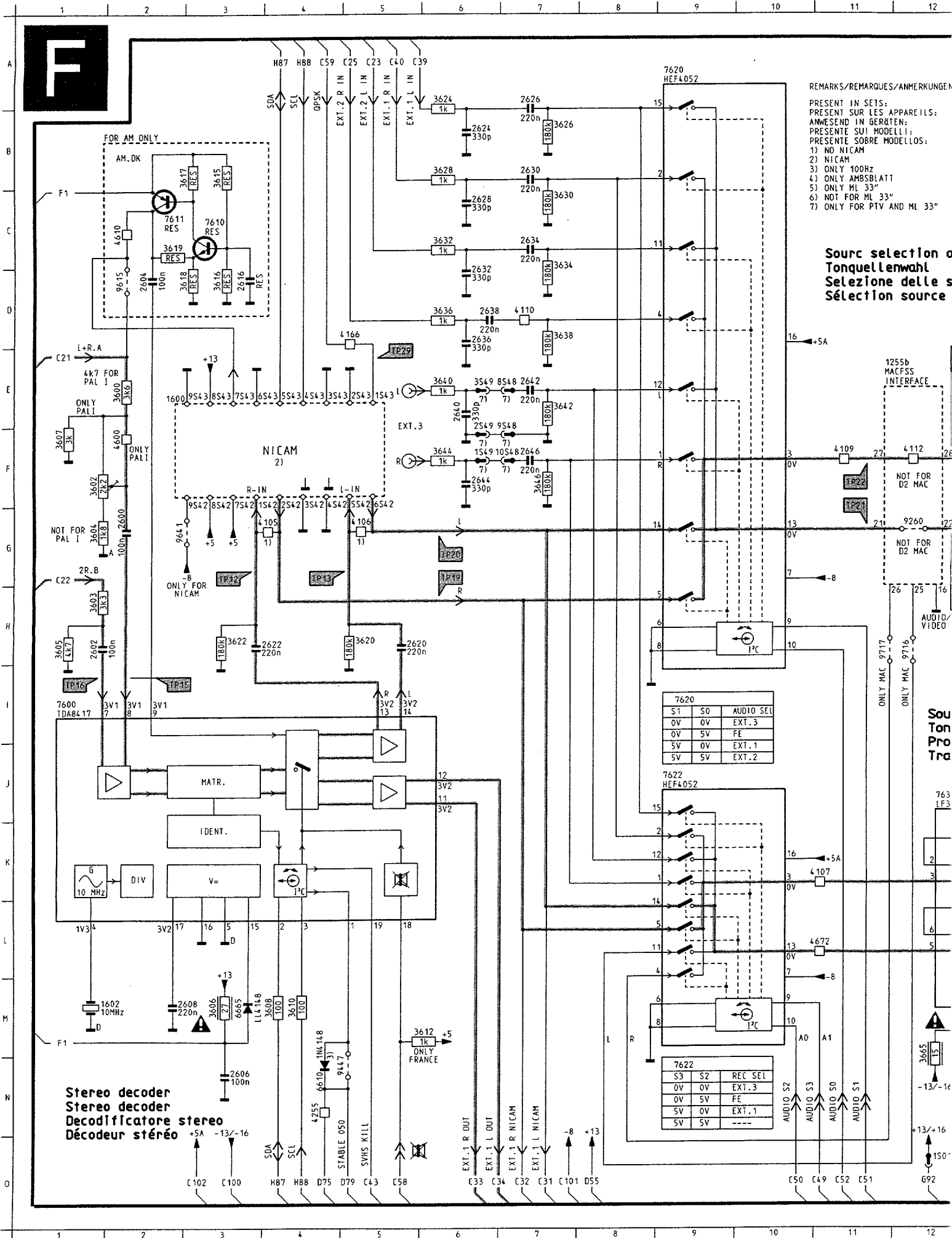


PRS 06956
T-28/113

CONTROL PANEL
FL1.1: 4822 212 23894
FL1.7: 4822 212 30194

CHASSIS FL1.1
C+D+F+V+Y

CL 16532077/014.HREF
061291



REMARKS/REMARQUES/ANMERKUNGEN
 PRESENT IN SETS:
 PRESENT SUR LES APPAREILS:
 ANWESEND IN GERÄTEN:
 PRESENTE SUI MODELLI:
 PRESENTE SOBRE MODELLOS:
 1) NO NICAM
 2) NICAM
 3) ONLY 100HZ
 4) ONLY AMBSBLATT
 5) ONLY ML 33"
 6) NOT FOR ML 33"
 7) ONLY FOR PTV AND ML 33"

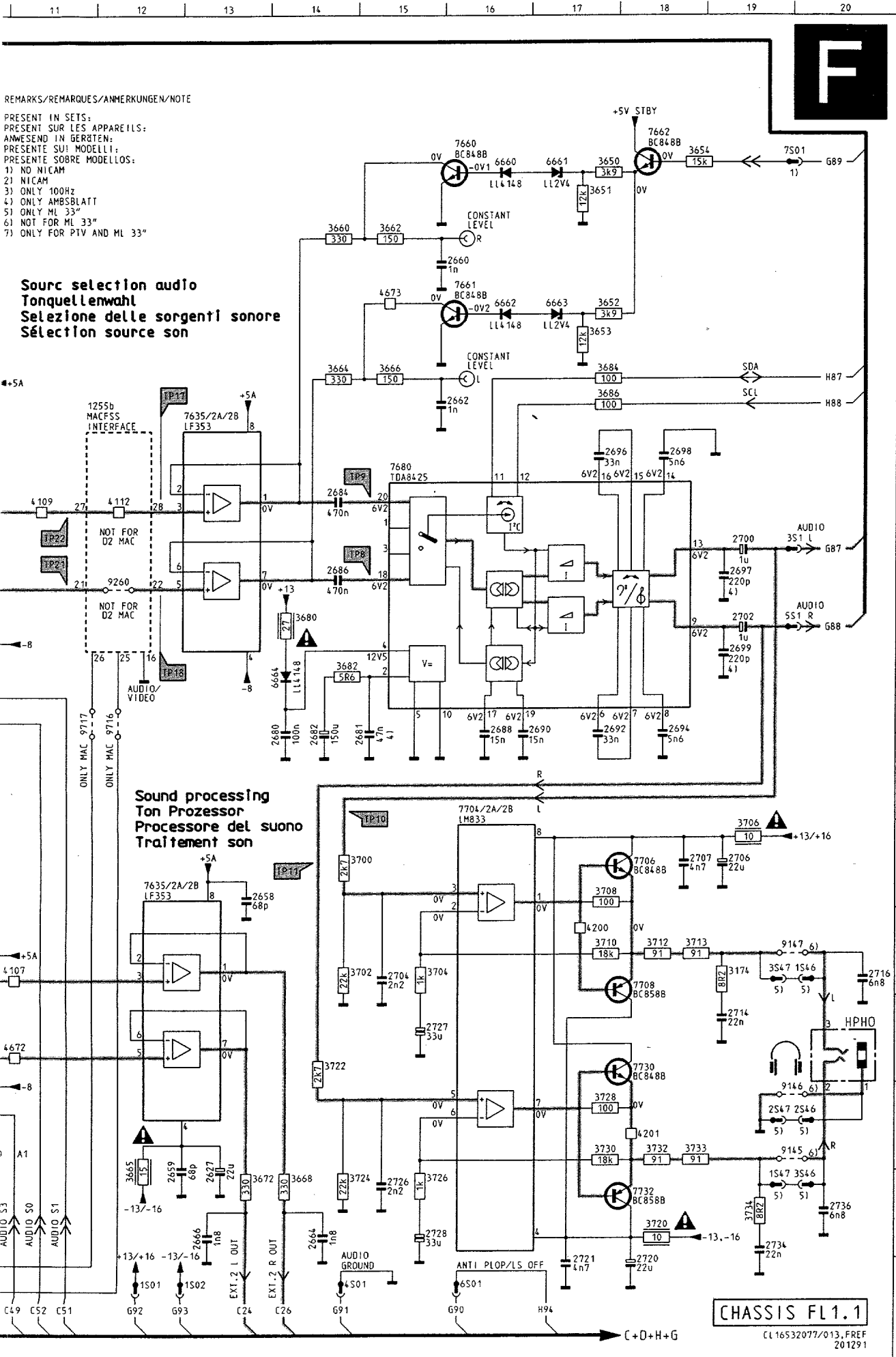
Source selection a
 Tonquellenwahl
 Selezione delle s
 Selección source

S1	S0	AUDIO SEL
0V	0V	EXT.3
0V	5V	FE
5V	0V	EXT.1
5V	5V	EXT.2

S3	S2	REC SEL
0V	0V	EXT.3
0V	5V	FE
5V	0V	EXT.1
5V	5V	---

Stereo decoder
 Stereo decoder
 Decodificatore stereo
 Décodeur stéréo

Sou
 Ton
 Pro
 Trac



REMARKS/REMARKS/ANMERKUNGEN/NOTE

- PRESENT IN SETS.
- PRESENT SUR LES APPAREILS:
- ANWESENDE IN GERÄTEN:
- PRESENTE SUI MODELLI:
- PRESENTE SOBRE MODELOS:
- 1) NO NICAM
- 2) NICAM
- 3) ONLY 100Hz
- 4) ONLY AMBSBLATT
- 5) ONLY ML 33"
- 6) NOT FOR ML 33"
- 7) ONLY FOR PTV AND ML 33"

Sourc selection audio
 Tonquellenwahl
 Selezione delle sorgenti sonore
 Sélection source son

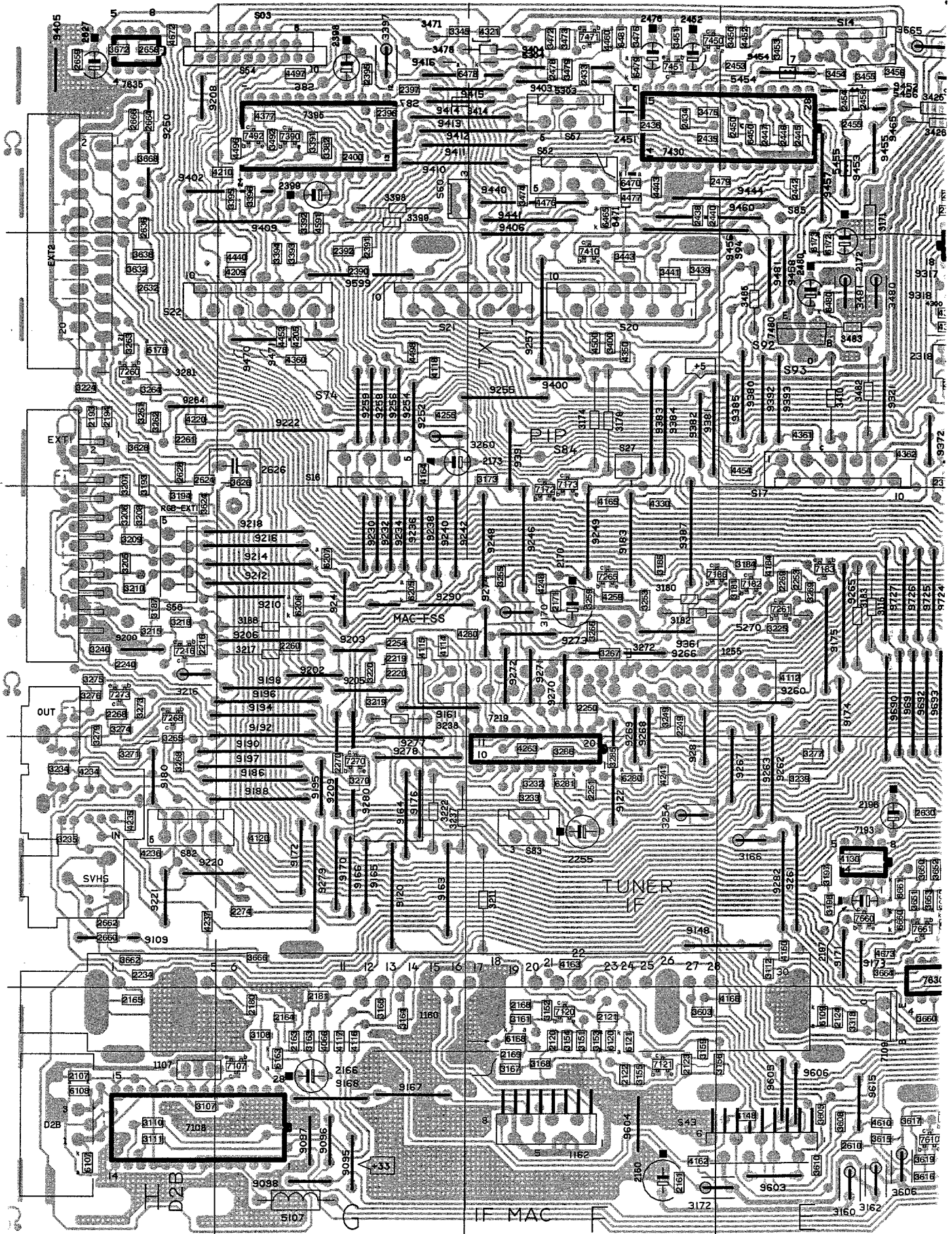
Sound processing
 Ton Prozessor
 Processore del suono
 Traitement son



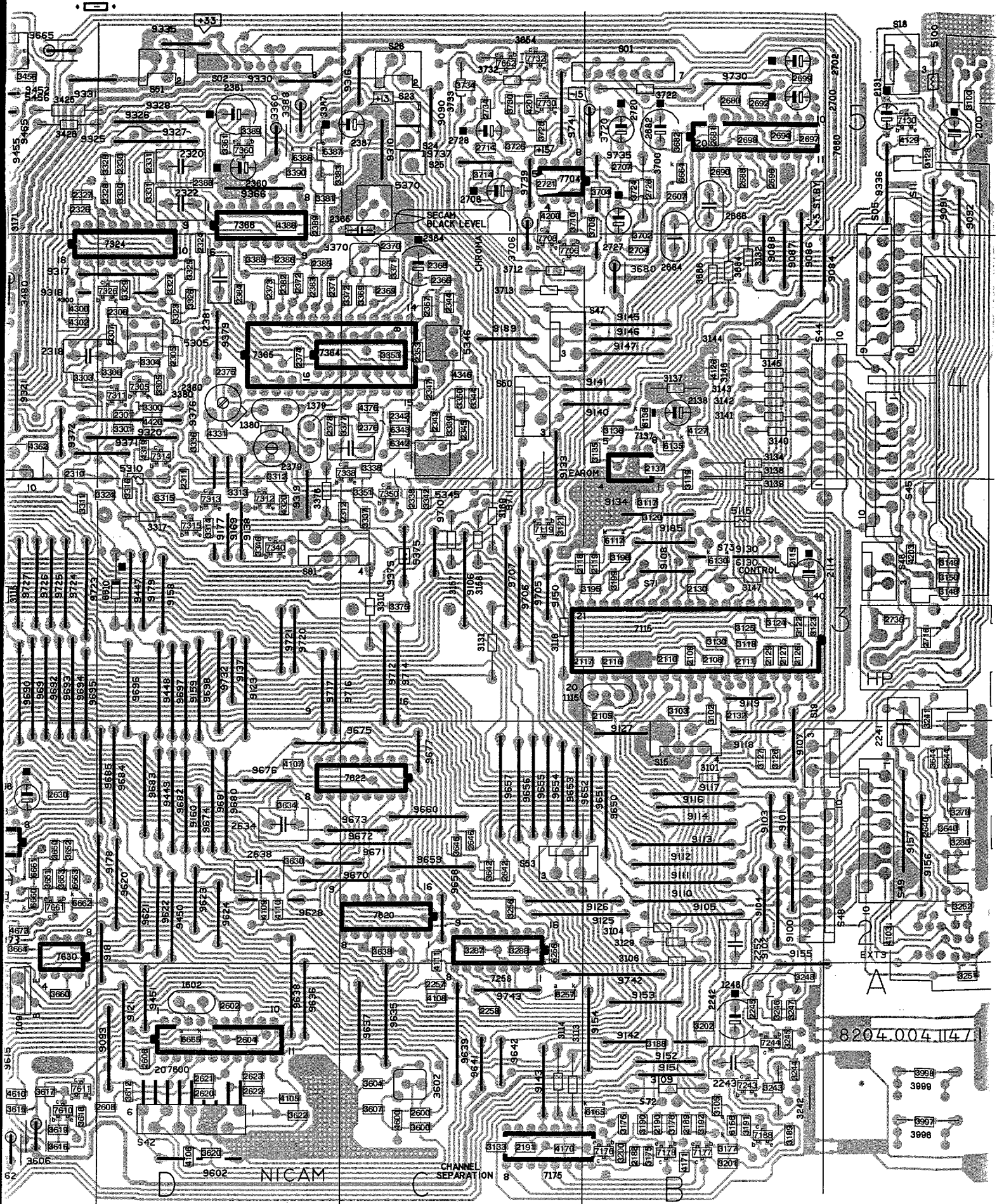
1255	E11	3730	M17
1600	E 2	3732	M18
1602	H 1	3733	M18
2600	G 2	3734	N19
2602	H 1	4105	G 4
2604	D 2	4106	G 5
2606	N 3	4107	K11
2608	M 2	4109	F11
2616	D 3	4110	D 7
2620	H 5	4112	F12
2622	H 3	4166	D 5
2624	B 6	4200	K17
2626	A 7	4201	M18
2627	M13	4255	N 4
2628	C 6	4600	F 2
2630	B 7	4610	C 2
2632	D 6	4672	L11
2634	C 7	4673	C15
2636	D 6	6610	N 4
2638	D 6	6660	B16
2640	E 6	6661	B17
2642	E 7	6662	D16
2644	F 6	6663	D17
2646	F 7	6664	H14
2658	J13	6665	M 3
2659	M12	7600	L 1
2660	C16	7610	C 3
2662	E16	7611	C 2
2664	N14	7620	A 9
2666	N13	7622	J 9
2680	H14	7635	E12
2681	H15	7635	J12
2682	H14	7660	B16
2684	F14	7661	C16
2686	G14	7662	B18
2688	H16	7680	E15
2690	H16	7704	I16
2692	H17	7706	J18
2694	H18	7708	K18
2696	E17	7730	L18
2697	G19	7732	N18
2698	E18	9145	M20
2699	H19	9146	M20
2700	F19	9147	N 5
2702	G19	9260	G12
2704	K15	9447	N 5
2706	J19	9615	D 2
2707	L18	9641	G 2
2714	J19	9716	H12
2716	K20	9717	H11
2720	O18		
2721	O17		
2726	N15		
2727	L15		
2728	N15		
2734	N19		
2736	N20		
3174	K19		
3600	E 2		
3602	F 1		
3603	H 1		
3604	G 1		
3605	H 1		
3606	M 3		
3607	F 1		
3608	M 4		
3610	M 4		
3612	M 6		
3615	B 3		
3616	D 3		
3617	B 3		
3618	D 3		
3619	C 2		
3620	H 5		
3622	H 3		
3624	A 6		
3626	B 7		
3628	B 6		
3630	C 7		
3632	C 6		
3634	C 7		
3636	D 6		
3638	D 7		
3640	E 6		
3642	E 7		
3644	F 6		
3646	F 7		
3650	B17		
3651	B17		
3652	D17		
3653	D17		
3654	B18		
3660	C14		
3662	C15		
3664	D14		
3665	M12		
3666	D15		
3668	N14		
3672	N13		
3680	G14		
3682	H14		
3684	D17		
3686	E17		
3700	J14		
3702	K14		
3704	K15		
3706	J19		
3708	J17		
3710	K17		
3712	K18		
3713	K18		
3714	K18		
3716	K18		
3718	K18		
3720	N18		
3722	L14		
3724	N14		
3726	N15		
3728	M17		

CHASSIS FL1.1

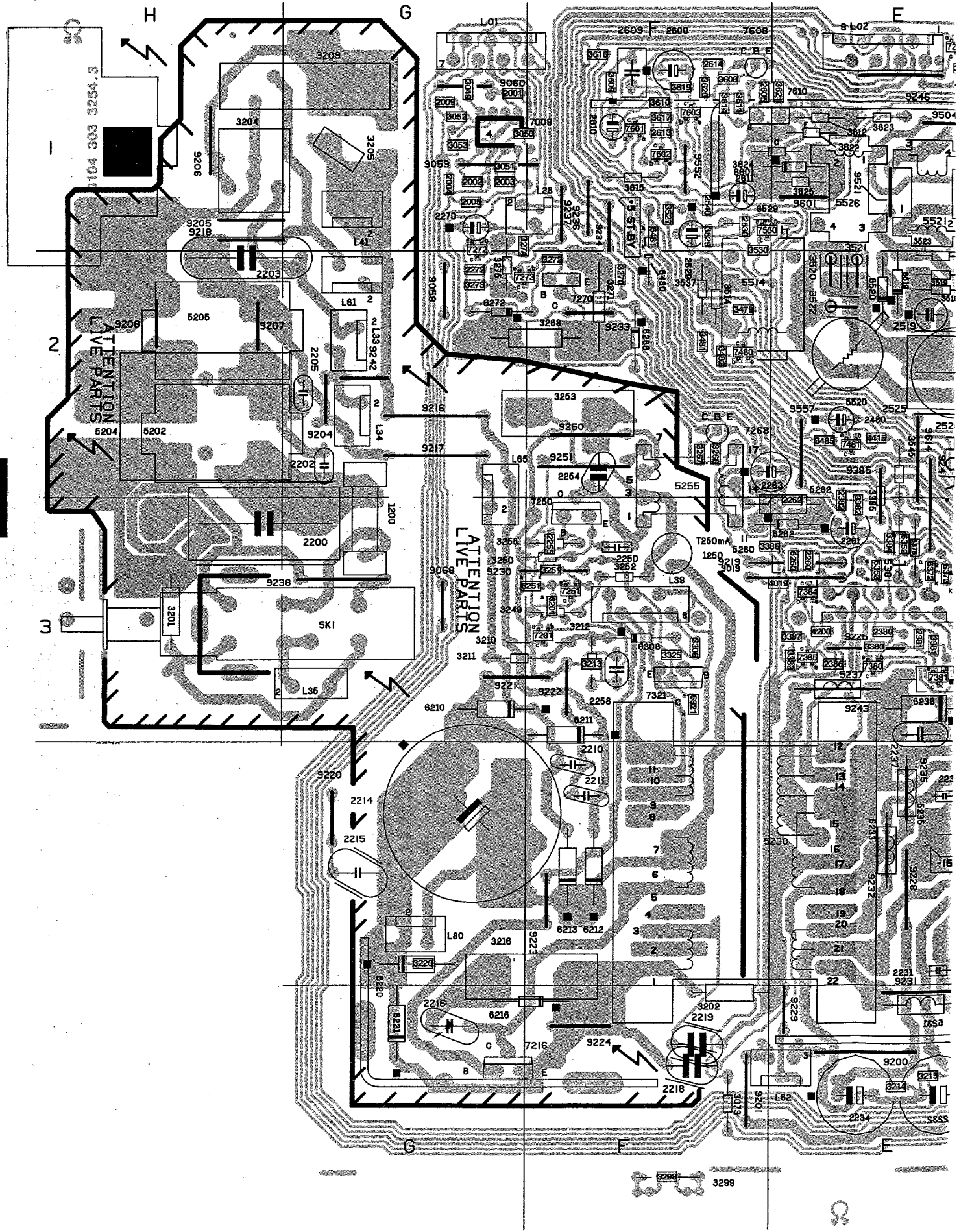
CL16532077/013, FREF 201291

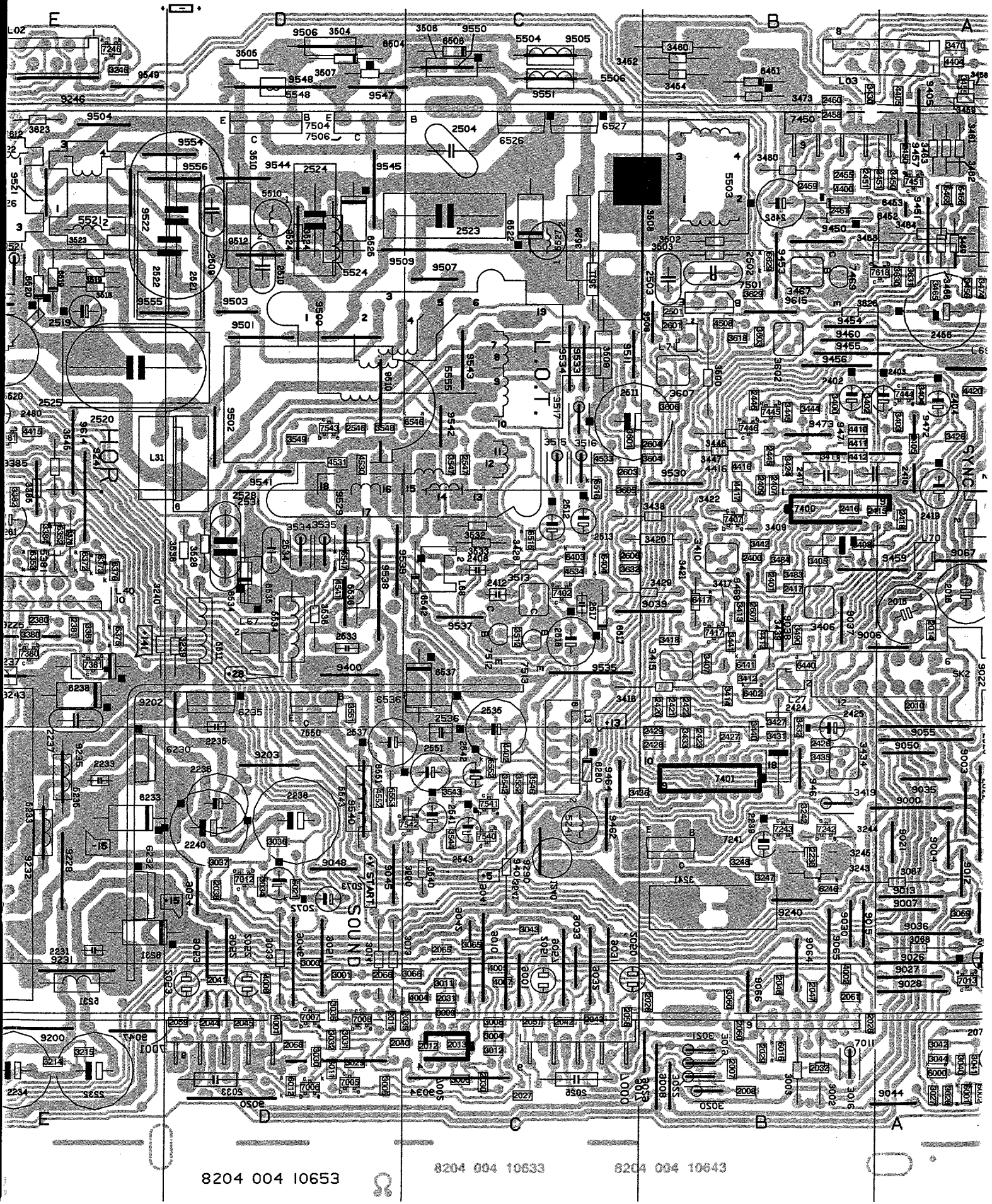


Platine à petite signaux



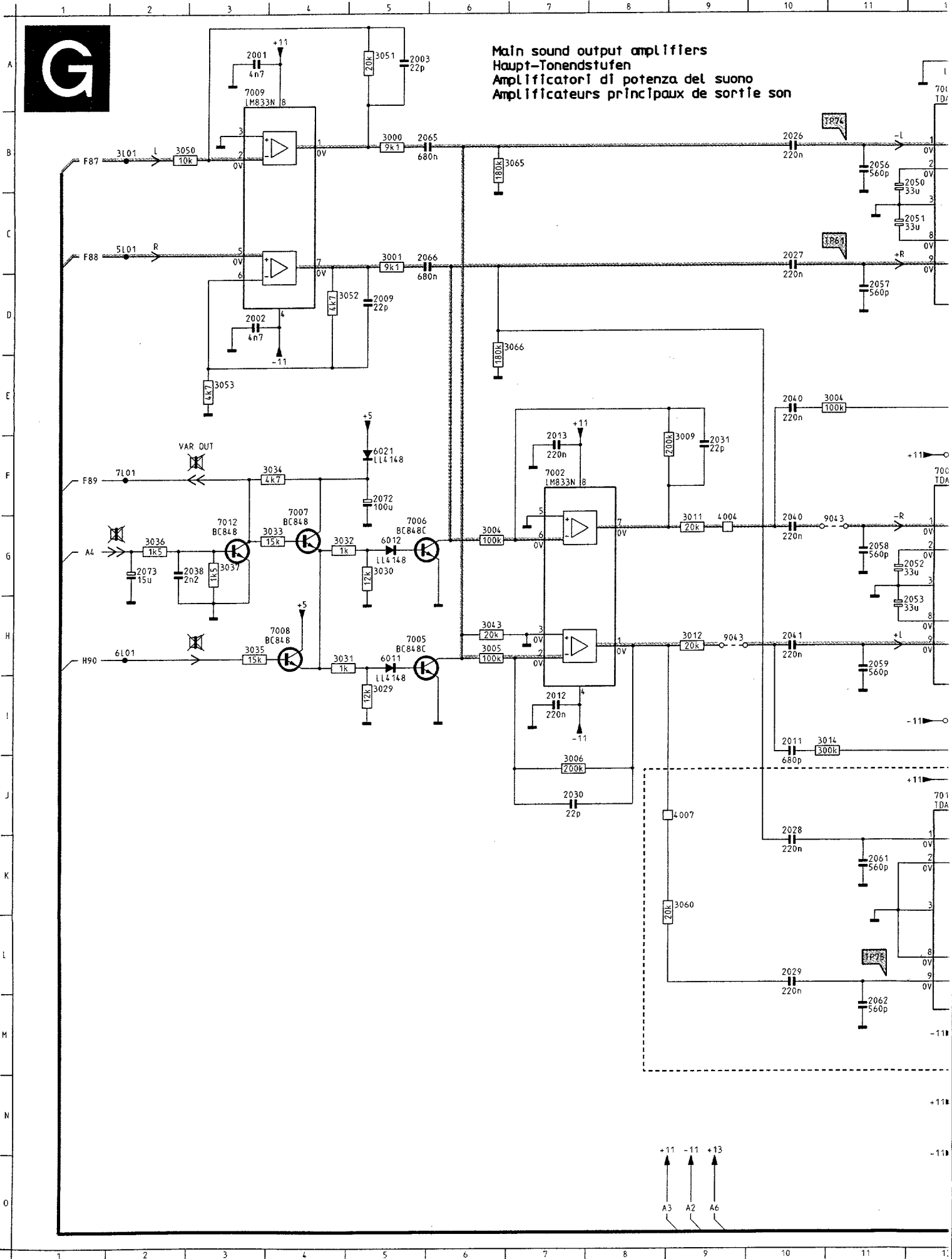
Large signal panel

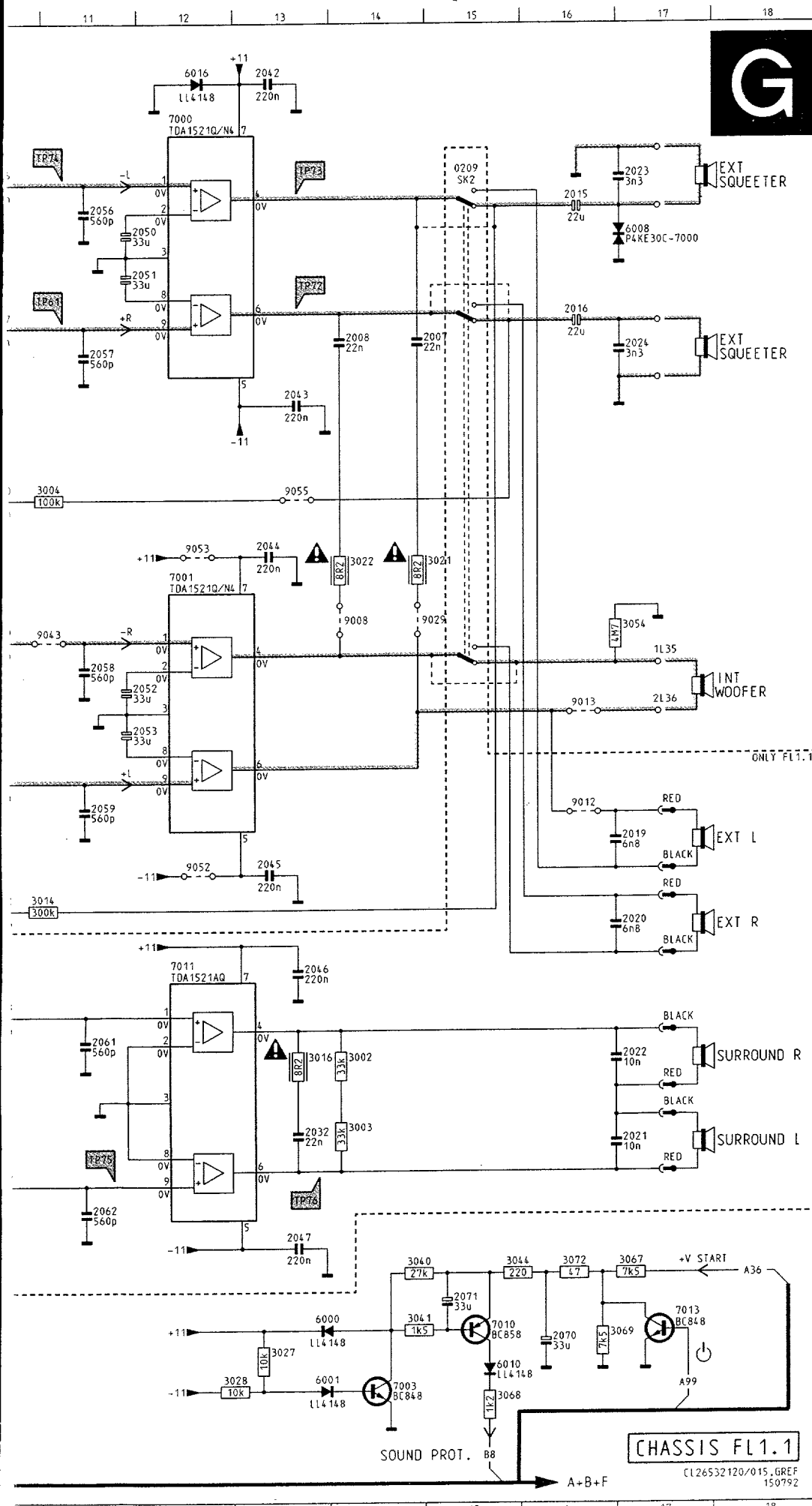




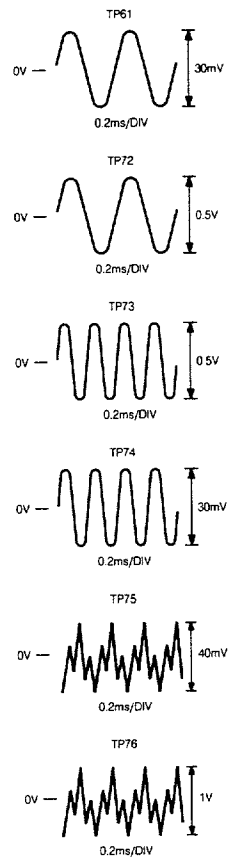


Main sound output amplifiers
Haupt-Tonendstufen
Amplificatori di potenza del suono
Amplificateurs principaux de sortie son





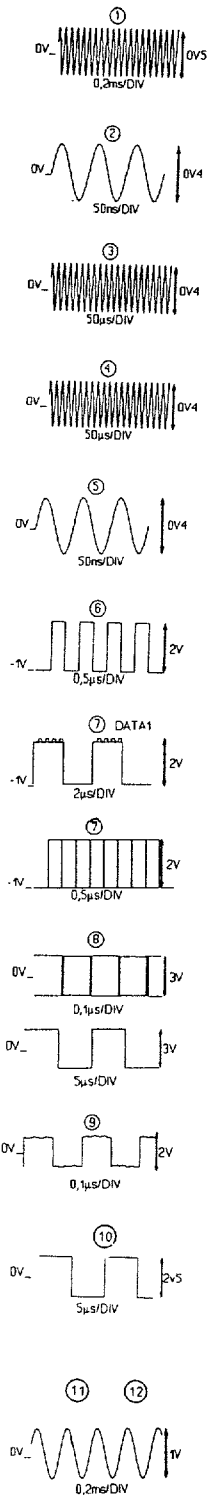
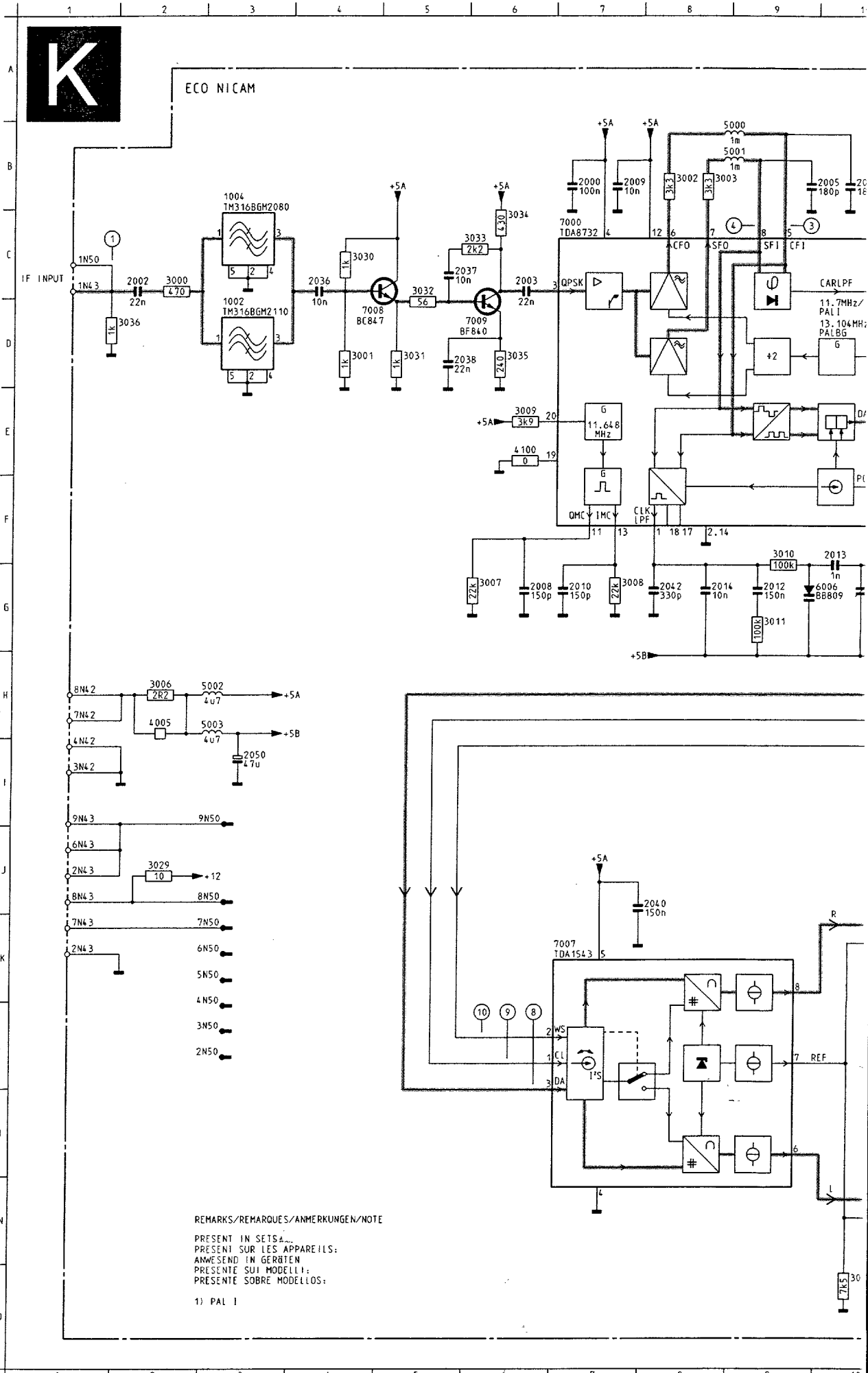
0209	B15	9008	F14
2001	A 3	9012	H16
2002	D 3	9013	G16
2003	A 5	9029	F14
2007	D14	9043	G11
2008	D14	9043	H 9
2009	D 5	9052	I12
2011	I10	9053	F12
2012	I 7	9055	E13
2013	F 7		
2015	B16		
2016	C16		
2019	I17		
2020	J17		
2021	L17		
2022	K17		
2023	B17		
2024	D17		
2026	B10		
2027	C10		
2028	K10		
2029	L10		
2030	J 7		
2031	F 9		
2032	L13		
2038	G 2		
2040	E10		
2040	G10		
2041	H10		
2042	A13		
2043	D13		
2044	F13		
2045	I13		
2046	J13		
2047	M13		
2050	B11		
2051	C11		
2052	G11		
2053	H11		
2056	B11		
2057	D11		
2058	G11		
2059	H11		
2061	K11		
2062	M11		
2065	B 5		
2066	C 5		
2070	N16		
2071	N15		
2072	F 5		
2073	G 2		
3000	B 5		
3001	C 5		
3002	K14		
3003	L14		
3004	G 6		
3004	E11		
3005	H 6		
3006	J 7		
3009	F 9		
3011	G 9		
3012	H 9		
3014	I11		
3016	K13		
3021	F15		
3022	F14		
3027	N13		
3028	N13		
3029	I 5		
3030	G 5		
3031	H 4		
3032	G 4		
3033	G 4		
3034	F 4		
3035	H 3		
3036	G 2		
3037	G 3		
3040	M14		
3041	N14		
3043	H 6		
3044	M15		
3050	B 2		
3051	A 5		
3052	D 4		
3053	E 3		
3054	F17		
3060	K 9		
3065	B 6		
3066	D 6		
3067	M17		
3068	O15		
3069	N16		
3072	M16		
4004	G 9		
4007	J 9		
6000	N13		
6001	N13		
6008	B17		
6010	N15		
6011	H 5		
6012	G 5		
6016	A12		
6021	F 5		
7000	A12		
7001	F12		
7002	F 7		
7003	O14		
7005	H 5		
7006	G 5		
7007	G 4		
7008	H 4		
7009	A 3		
7010	N15		
7011	J12		
7012	G 3		
7013	N17		



FRS 06962
T-26/113



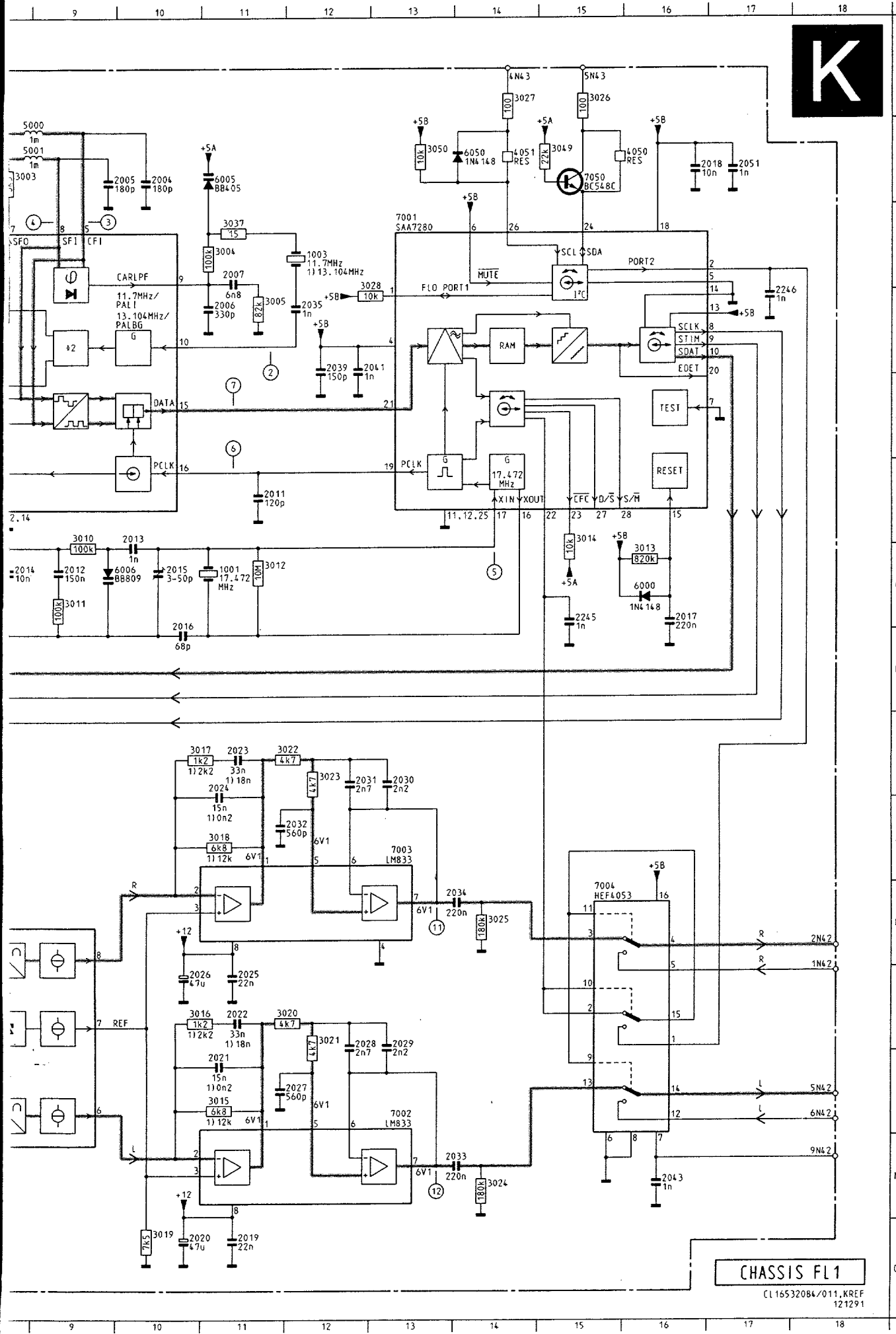
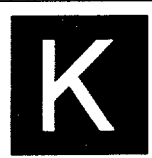
ECO NICAM



REMARKS/REMARQUES/ANMERKUNGEN/NOTE

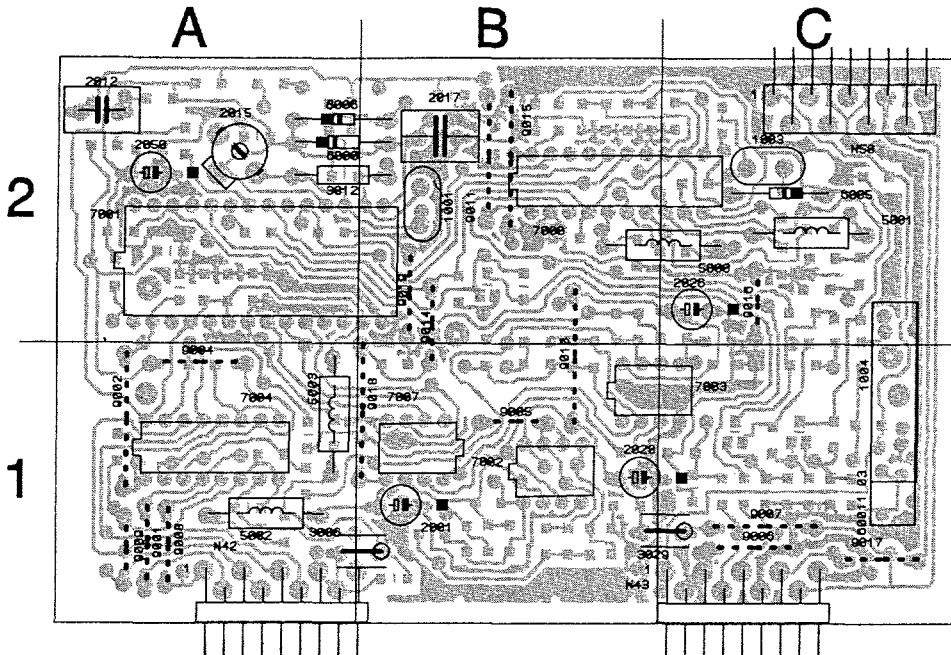
PRESENT IN SETS 4...
 PRESENT SUR LES APPAREILS:
 ANWESEND IN GERÄTEN
 PRESENTE SUI MODELLI:
 PRESENTE SOBRE MODELLLOS:

1) PAL I



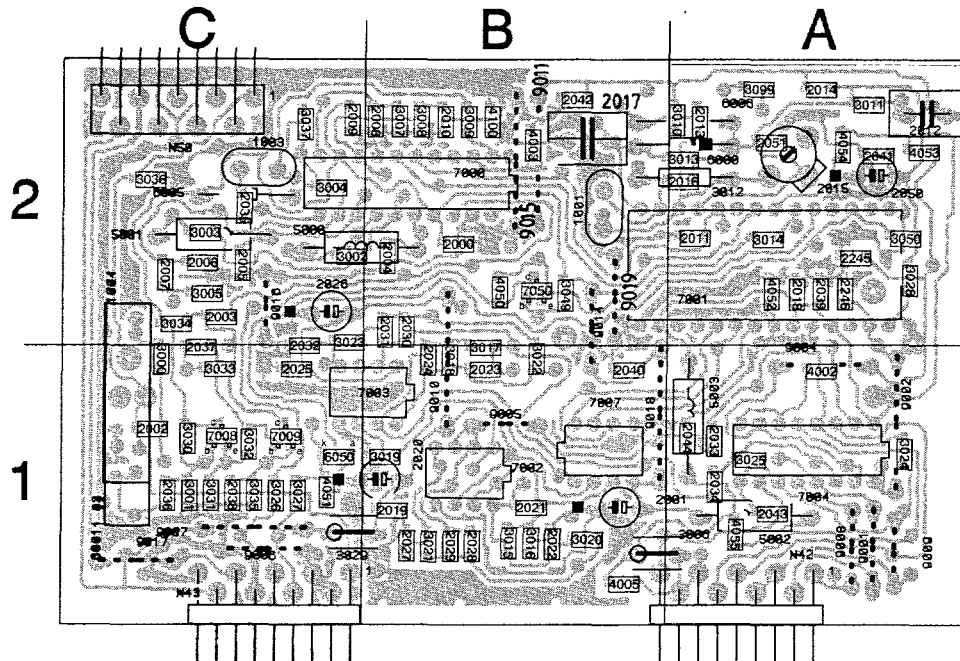
1001	G11
1002	D 3
1003	C12
1004	B 3
2000	B 7
2002	C 2
2003	C 6
2004	B10
2005	B 9
2006	D11
2007	C11
2008	G 6
2009	B 7
2010	G 7
2011	F11
2012	G 9
2013	F10
2014	G 8
2015	G10
2016	G10
2017	G16
2018	B16
2019	O11
2020	O10
2021	M11
2022	L11
2023	L11
2024	L11
2025	L11
2026	L10
2027	M12
2028	L12
2029	L13
2030	L13
2031	L12
2032	J12
2033	M14
2034	K14
2035	D12
2036	C 4
2037	C 5
2038	D 5
2039	D12
2040	J 8
2041	D12
2042	G 8
2043	N16
2050	I 3
2051	B17
2245	G15
2246	D17
3000	C 2
3001	D 4
3002	B 8
3003	B 8
3004	C11
3005	D11
3006	H 2
3007	G 6
3008	G 7
3009	E 6
3010	F 9
3011	G 9
3012	G11
3013	G16
3014	F15
3015	M11
3016	L10
3017	L10
3018	J11
3019	O10
3020	L12
3021	L12
3022	L12
3023	L12
3024	N14
3025	K14
3026	A15
3027	A14
3028	C13
3029	J 2
3030	C 4
3031	D 5
3032	C 5
3033	C 6
3034	C 6
3035	D 6
3036	D 1
3037	C11
3039	B15
3050	B13
4005	H 2
4050	B16
4051	B14
4100	E 6
5000	B 9
5001	B 9
5002	H 3
5003	H 3
6000	G16
6005	B11
6006	G 9
6050	B14
7000	C 7
7001	C13
7002	M13
7003	J13
7004	K15
7007	K 7
7008	D 5
7009	D 6
7050	B15

CHASSIS FL1
 CL16532084/011, KREF
 121291

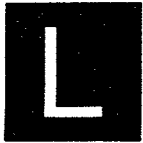


N42 A1	2010 B2	2026 C2	2042 B2	3009 B2	3024 A1	3099 A2	6000 A2	9004 A1
N43 C1	2011 A2	2027 B1	2043 A1	3008 B2	3025 A1	4002 A1	6001 C1	9005 B1
N50 C2	2012 A2	2028 B1	2044 A1	3010 A2	3026 C1	4003 B2	6005 C2	9006 C1
1001 B2	2013 A2	2029 B1	2050 A2	3011 A2	3027 C1	4005 B1	6006 A2	9007 C1
1003 C2	2014 A2	2030 B2	2051 A2	3012 A2	3028 A2	4050 B2	6050 C1	9008 A1
1004 C1	2015 A2	2031 B2	2245 A2	3013 A2	3029 C1	4051 C1	7000 B2	9009 A1
2000 B2	2016 A2	2032 C2	2246 A2	3014 A2	3030 C1	4052 A2	7001 A2	9010 B1
2001 B1	2017 B2	2033 A1	3000 C1	3015 B1	3031 C1	4053 A2	7002 B1	9011 B2
2002 C1	2018 A2	2034 A1	3001 C1	3016 B1	3032 C1	4054 A2	7003 B1	9014 B2
2003 C2	2019 B1	2035 C2	3002 C2	3017 B1	3033 C1	4055 A1	7004 A1	9015 B2
2004 B2	2020 B1	2036 C1	3003 C2	3018 B1	3034 C2	4100 B2	7007 B1	9016 C2
2005 C2	2021 B1	2037 C1	3004 C2	3019 B1	3035 C1	4100 B2	7008 C1	9017 C1
2006 C2	2022 B1	2038 C1	3005 C2	3020 B1	3036 C2	5000 C2	7009 C1	9018 B1
2007 C2	2023 B1	2039 A2	3006 B1	3021 B1	3037 C2	5001 C2	7050 B2	9019 B2
2008 B2	2024 B1	2040 B1	3007 B2	3022 B1	3049 B2	5002 A1	9001 A1	
2009 C2	2025 C1	2041 A2	3008 B2	3023 C2	3050 A2	5003 A1	9002 A1	

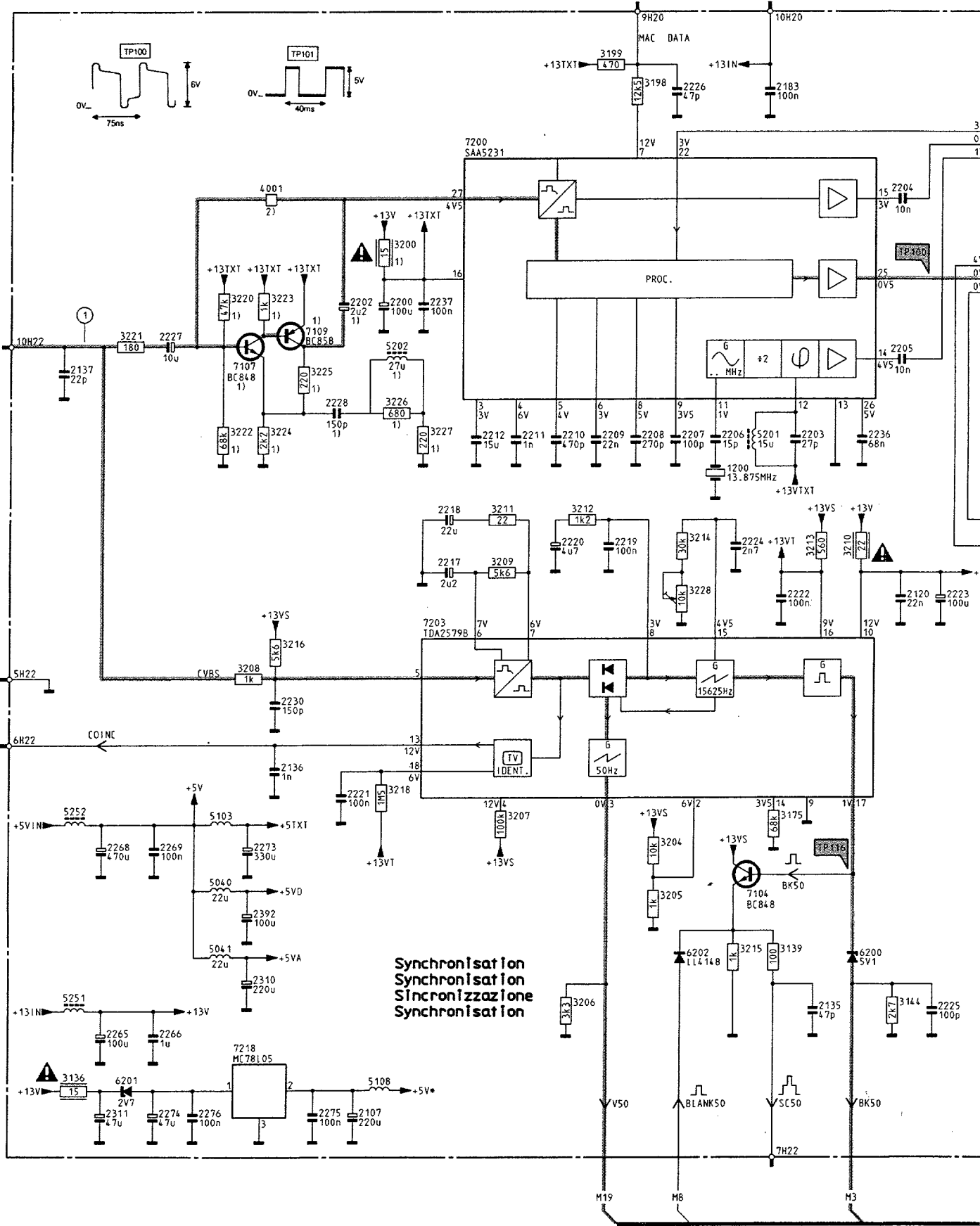
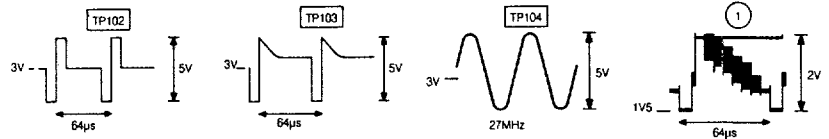
NICAM



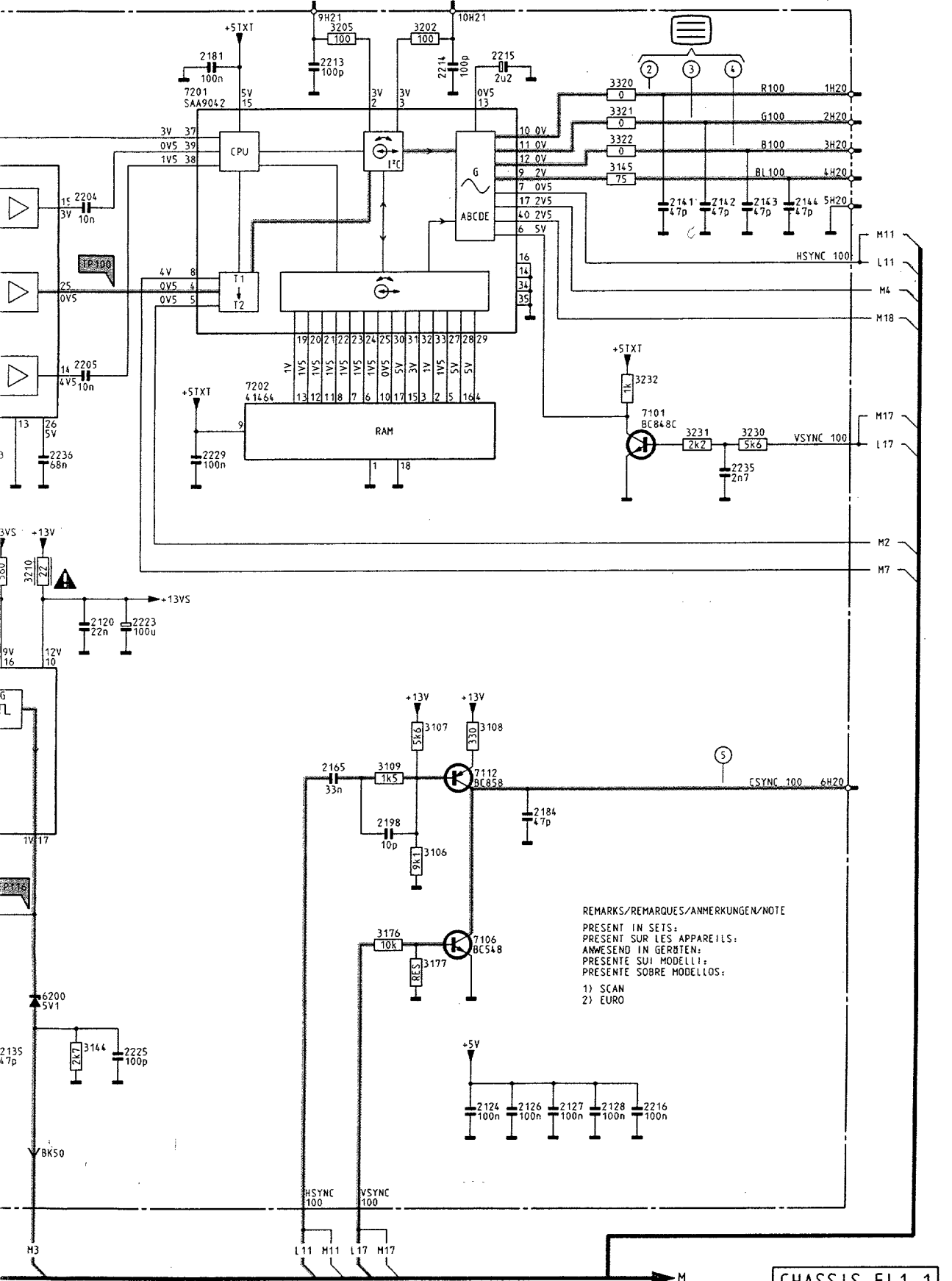
N42 A1	2010 B2	2026 C2	2042 B2	3009 B2	3024 A1	3099 A2	6000 A2	9004 A1
N43 C1	2011 A2	2027 B1	2043 A1	3009 B2	3025 A1	4002 A1	6001 C1	9005 B1
N50 C2	2012 A2	2028 B1	2044 A1	3010 A2	3026 C1	4003 B2	6005 C2	9006 C1
1001 B2	2013 A2	2029 B1	2050 A2	3011 A2	3027 C1	4005 B1	6006 A2	9007 C1
1003 C2	2014 A2	2030 B2	2051 A2	3012 A2	3028 A2	4050 B2	6050 C1	9008 A1
1004 C1	2015 A2	2031 B2	2245 A2	3013 A2	3029 C1	4051 C1	7000 B2	9009 A1
2000 B2	2016 A2	2032 C2	2246 A2	3014 A2	3030 C1	4052 A2	7001 A2	9010 B1
2001 B1	2017 B2	2033 A1	3000 C1	3015 B1	3031 C1	4053 A2	7002 B1	9011 B2
2002 C1	2018 A2	2034 A1	3001 C1	3016 B1	3032 C1	4054 A2	7003 B1	9014 B2
2003 C2	2019 B1	2035 C2	3002 C2	3017 B1	3033 C1	4055 A1	7004 A1	9015 B2
2004 B2	2020 B1	2038 C1	3003 C2	3018 B1	3034 C2	4100 B2	7007 B1	9016 C2
2005 C2	2021 B1	2037 C1	3004 C2	3019 B1	3035 C1	4100 B2	7008 C1	9017 C1
2006 C2	2022 B1	2038 C1	3005 C2	3020 B1	3036 C2	5000 C2	7009 C1	9018 B1
2007 C2	2023 B1	2039 A2	3006 B1	3021 B1	3037 C2	5001 C2	7050 B2	9019 B2
2008 B2	2024 B1	2040 B1	3007 B2	3022 B1	3049 B2	5002 A1	9001 A1	
2009 C2	2025 C1	2041 A2	3008 B2	3023 C2	3050 A2	5003 A1	9002 A1	



HIGH-END BOX
TXT-DECODER
DÉCODEUR TXT
DECODIFICATORE TELEVIDEO



Synchronisation
Sincronizzazione
Synchronisation



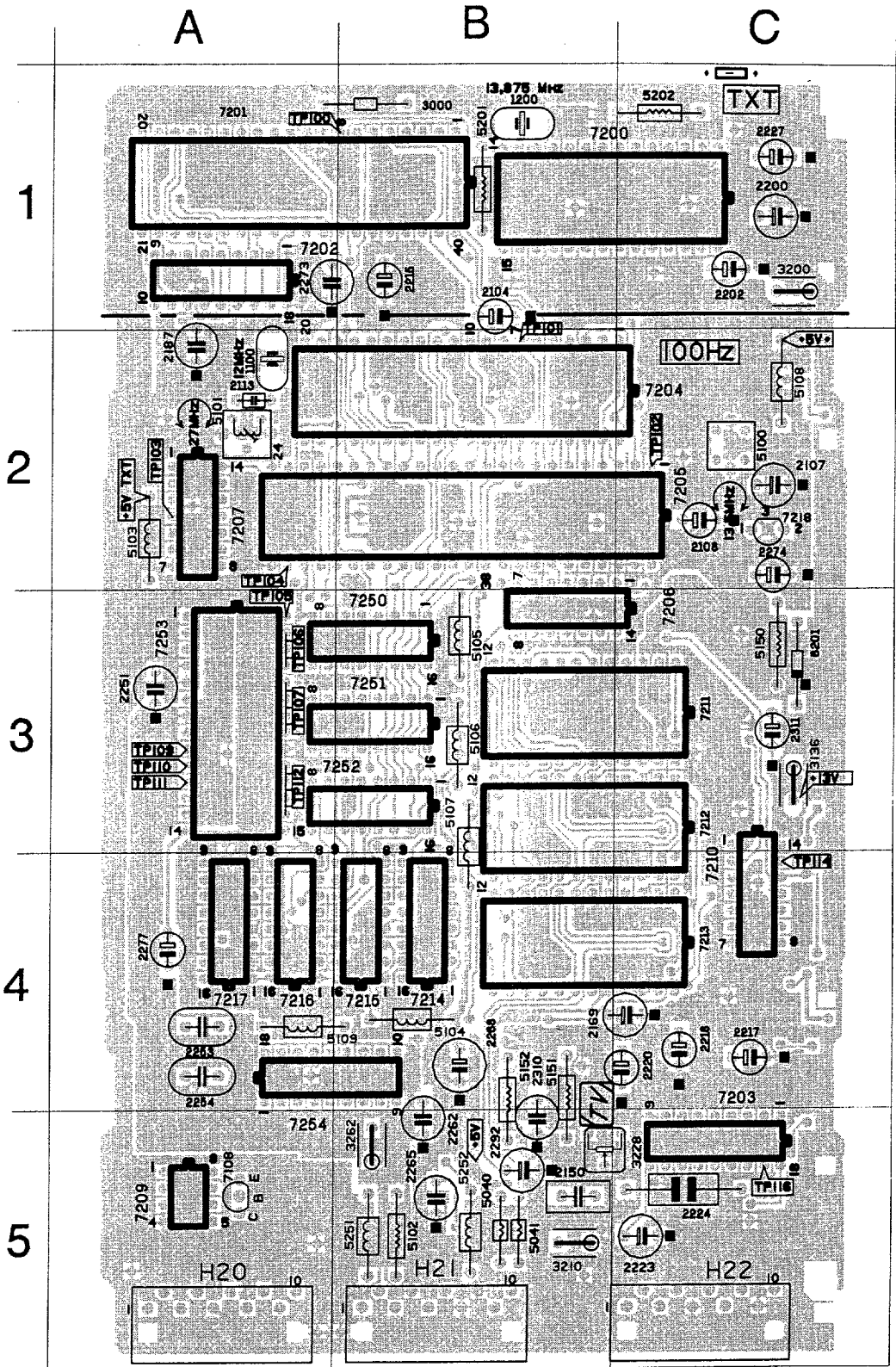
REMARKS/REMARQUES/ANMERKUNGEN/NOTE
 PRESENT IN SETS:
 PRESENT SUR LES APPAREILS:
 ANWESEND IN GERÄTEN:
 PRESENTE SUI MODELLI:
 PRESENTE SOBRE MODELLLOS:
 1) SCAN
 2) EURO

1200	G 9	6200	L11
2107	N 5	6201	N 3
2120	H11	6202	L 9
2124	M15	7101	F17
2126	M16	7104	K10
2127	M16	7106	L15
2128	M17	7107	F 4
2135	M10	7109	E 5
2136	J 4	7112	J15
2137	F 2	7200	C 6
2141	D17	7201	C12
2142	D18	7202	F13
2143	D18	7203	H 6
2144	D19	7218	M 4
2165	J14		
2181	B13		
2183	C10		
2184	J16		
2198	J14		
2200	E 6		
2202	E 5		
2203	F10		
2204	D11		
2205	E11		
2206	F 9		
2207	F 9		
2208	F 8		
2209	F 8		
2210	F 7		
2211	F 7		
2212	F 7		
2213	B14		
2214	B15		
2215	B16		
2216	M17		
2217	H 6		
2218	G 6		
2219	H 8		
2220	H 7		
2221	J 5		
2222	H10		
2223	H12		
2224	H 9		
2225	M12		
2226	C 9		
2227	E 3		
2228	F 5		
2229	F12		
2230	I 4		
2235	G18		
2236	F11		
2237	E 6		
2265	M 2		
2266	M 3		
2268	K 2		
2269	K 3		
2273	K 4		
2274	N 3		
2275	N 5		
2276	N 3		
2310	L 4		
2311	N 2		
2392	L 4		
3106	K15		
3107	I15		
3108	I15		
3109	J14		
3136	N 2		
3139	L10		
3144	M11		
3145	C17		
3175	K10		
3176	K14		
3177	L15		
3198	B 8		
3199	B 8		
3200	D 6		
3202	B15		
3204	K 9		
3205	B14		
3207	K 9		
3206	M 8		
3207	K 7		
3208	I 4		
3209	H 7		
3210	H11		
3211	G 7		
3212	G 8		
3213	H10		
3214	G 9		
3215	L 9		
3216	I 4		
3218	J 6		
3220	E 4		
3221	E 3		
3222	F 4		
3223	E 4		
3224	F 4		
3225	F 5		
3226	F 6		
3227	F 6		
3228	H 9		
3230	F18		
3231	F18		
3232	E17		
3320	B17		
3321	C17		
3322	C17		
4001	D 4		
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5041	L 4		
5103	K 4		
5201	F10		
5202	E 6		
5251	M 2		
5252	K 2		

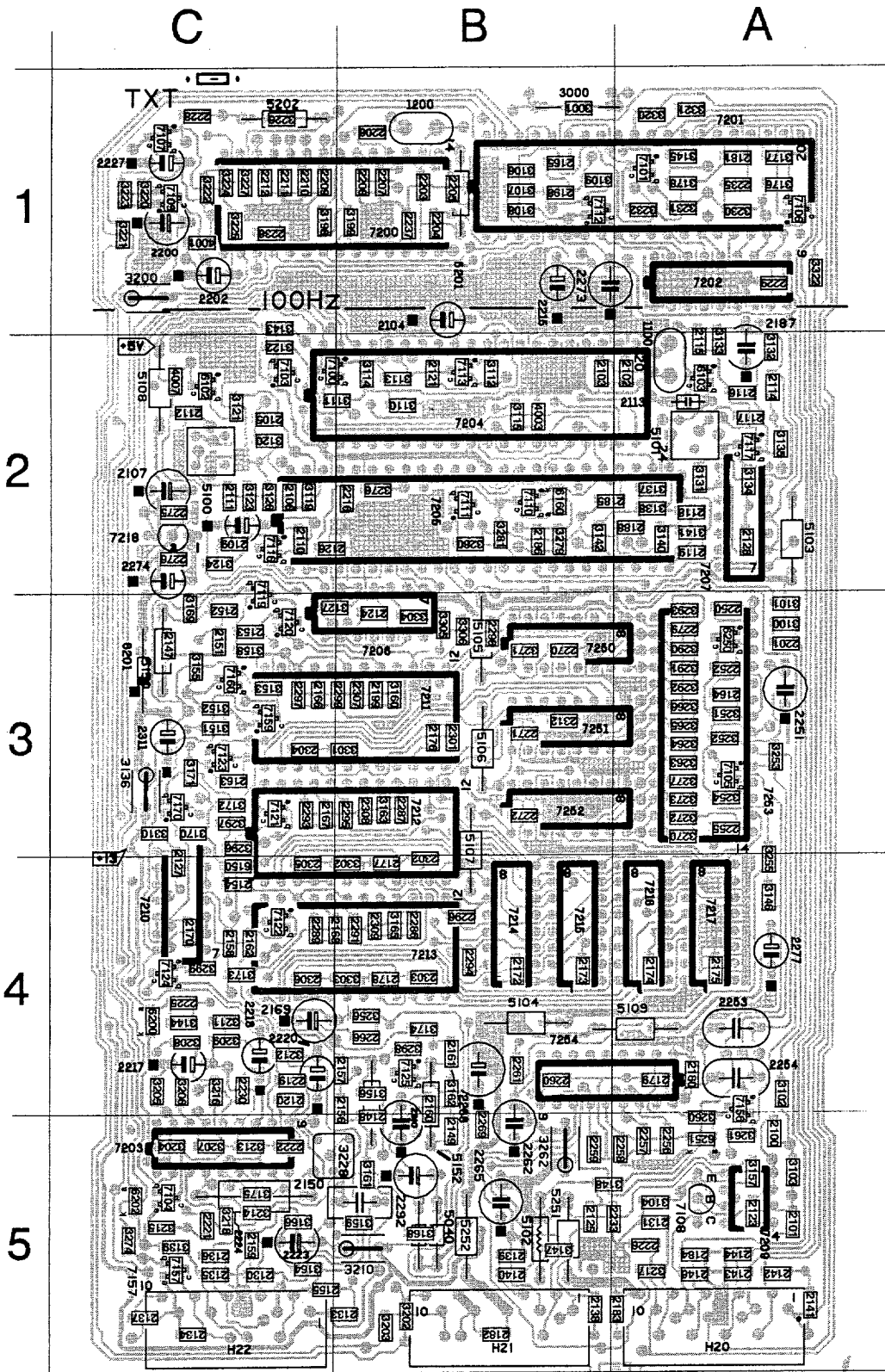
CHASSIS FL1.1

CL 16532059/011, LREF 221091

- 1200 B1
- 2104 B1
- 2107 C2
- 2108 C2
- 2113 A2
- 2150 C5
- 2169 C4
- 2187 A2
- 2200 C1
- 2202 C1
- 2215 B1
- 2217 C4
- 2218 C4
- 2220 C4
- 2223 C5
- 2224 C5
- 2227 C1
- 2251 A3
- 2253 A4
- 2254 A4
- 2262 B5
- 2265 B5
- 2268 B4
- 2273 B1
- 2274 C2
- 2277 A4
- 2292 B5
- 2310 B5
- 2311 C3
- 3000 B1
- 3138 C3
- 3200 C1
- 3210 B5
- 3228 C5
- 3262 B5
- 5040 B5
- 5041 B5
- 5100 C2
- 5101 A2
- 5102 B5
- 5103 A2
- 5104 B4
- 5105 B3
- 5106 B3
- 5107 B3
- 5108 C2
- 5109 B4
- 5150 C3
- 5151 B4
- 5152 B4
- 5201 B1
- 5202 C1
- 5251 B5
- 5252 B5
- 6201 C3
- 7108 A5
- 7200 C1
- 7201 B1
- 7202 A1
- 7203 C5
- 7204 C2
- 7205 C2
- 7206 C2
- 7207 A2
- 7209 A5
- 7210 C3
- 7211 C3
- 7212 C3
- 7213 C4
- 7214 B4
- 7215 B4
- 7216 B4
- 7217 A4
- 7218 C2
- 7250 B3
- 7251 B3
- 7252 B3
- 7253 A3
- 7254 A4
- H20 A5
- H21 B5
- H22 C5



High-end box

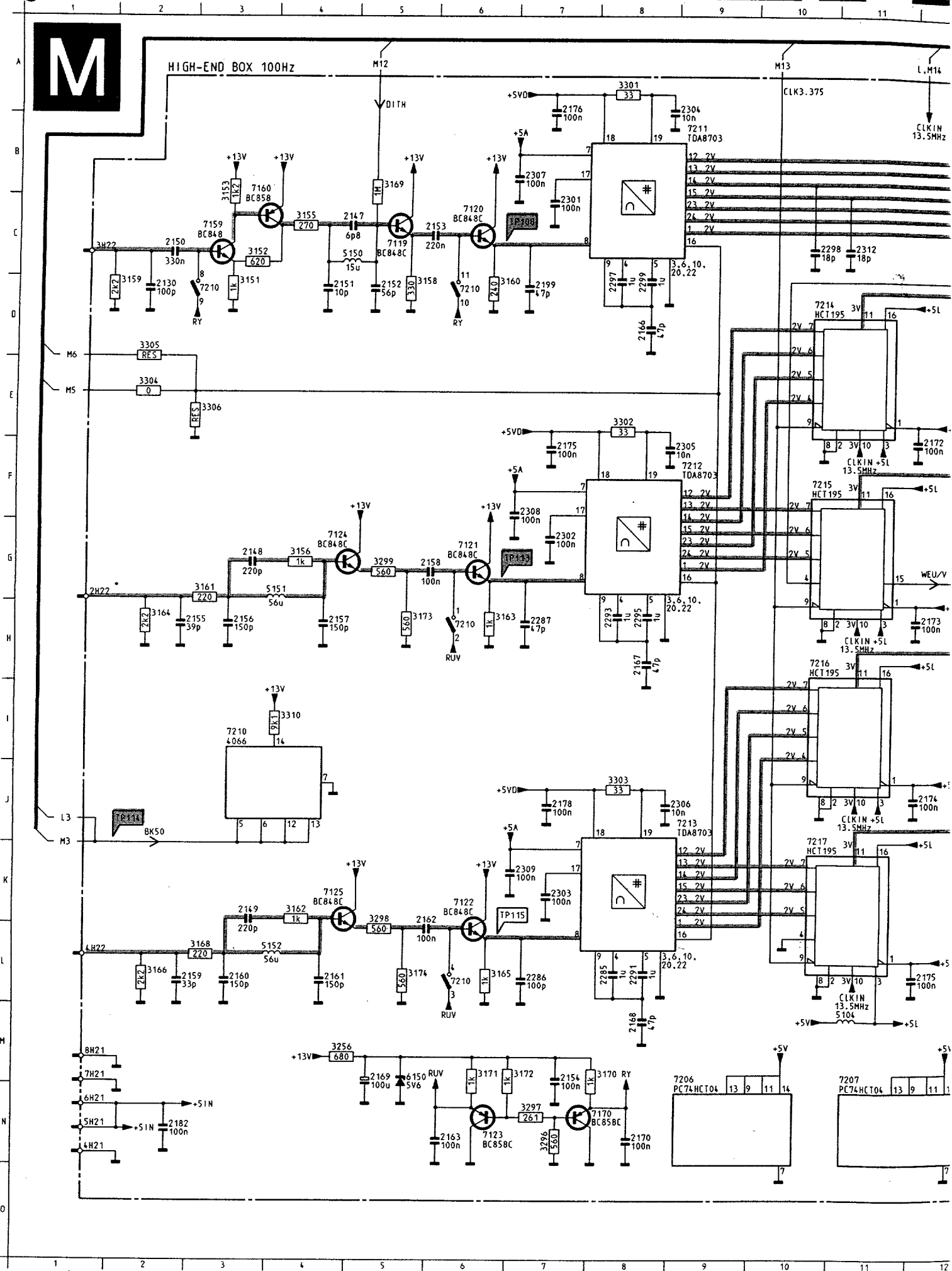


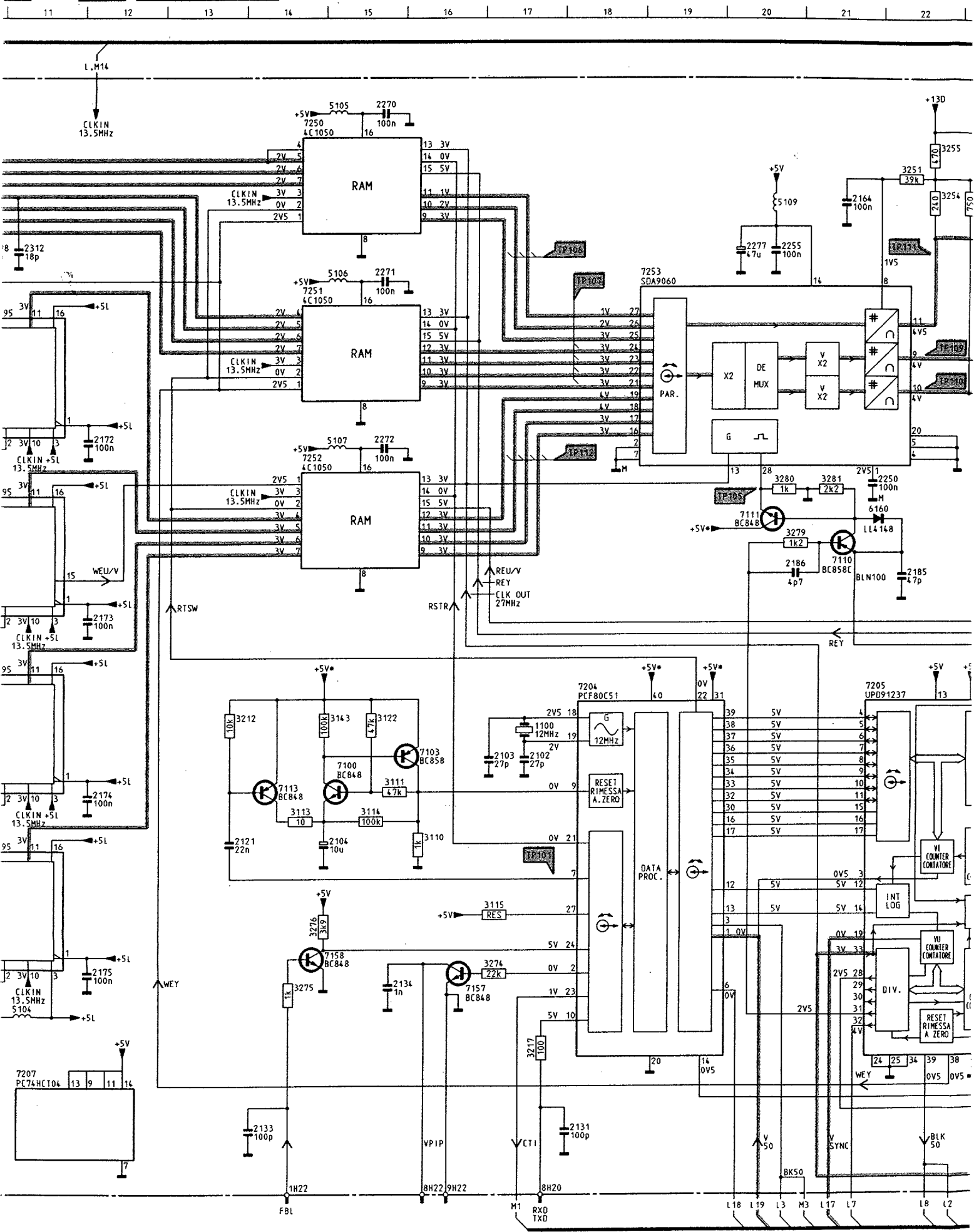
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2215 B1	3138 A2	3303 C4
2216 C2	3139 C5	3304 B3
2217 C4	3140 A2	3305 B3
2218 C4	3141 A2	3306 B3
2219 C4	3142 B2	3310 C3
2220 C4	3143 C1	3320 A1
2221 C5	3144 C4	3321 A1
2222 C5	3145 A1	3322 A1
2223 C5	3146 A4	4001 C1
2224 C5	3147 B5	4003 B2
2225 C4	3148 B5	4007 C2
2226 A5	3151 C3	5040 B5
2227 C1	3152 C3	5041 B5
2228 C1	3153 C3	5100 C2
2229 A1	3155 C3	5101 A2
2230 C4	3156 B4	5102 B5
2233 B5	3157 A5	5103 A2
2235 A1	3158 C3	5104 B4
2236 C1	3159 C5	5105 B3
2237 B1	3160 B3	5106 B3
2250 A3	3161 B5	5107 B3
2251 A3	3162 B4	5108 C2
2252 A3	3163 B3	5109 B4
2253 A4	3164 C5	5150 C3
2254 A4	3165 B4	5151 B4
2255 A3	3166 C5	5152 B4
2256 A5	3168 B5	5201 B1
2257 A5	3169 C3	5202 C1
2258 B5	3170 C3	5251 B5
2259 B5	3171 C3	5252 B5
2260 B4	3172 C3	6102 C2
2261 B4	3173 C4	6103 A2
2262 B5	3174 B4	6150 C4
2265 B5	3175 C5	6160 B2
2266 B4	3176 A1	6200 C4
2268 B4	3177 A1	6201 C3
2269 B5	3178 A1	6202 C5
2270 B3	3198 C1	6250 A3
2271 B3	3199 C1	6251 A5
2272 B3	3200 C1	7100 C2
2273 B1	3202 B5	7101 B1
2274 C2	3203 B5	7103 C2
2275 C2	3204 C5	7104 C5
2276 C2	3205 C4	7105 A3
2277 A4	3206 C4	7106 A1
2279 A3	3207 C5	7107 C1
2286 B4	3208 C4	7108 A5
2287 B3	3209 C4	7109 C1
2289 C4	3210 B5	7110 B2
2291 C4	3211 C4	7111 B2
2292 B5	3212 C4	7112 B1
2293 C3	3213 C5	7113 B2
2294 B4	3214 C5	7116 C2
2295 C3	3215 C5	7117 A2
2296 B4	3216 C4	7119 C2
2297 C3	3217 A5	7120 C3
2298 B3	3218 C5	7121 C3
2299 C3	3220 C1	7122 C4
2301 B3	3221 C1	7123 C3
2302 B3	3222 C1	7124 C4
2303 B4	3223 C1	7125 B4
2304 C3	3224 C1	7156 A4
2305 C4	3225 C1	7157 C5
2306 C4	3226 C1	7159 C3
2307 C3	3227 C1	7160 C3
2308 B3	3228 C5	7170 C3
2309 B4	3230 A1	7200 C1
2310 B5	3231 A1	7201 B1
2311 C3	3232 B1	7202 A1
2312 B3	3251 A3	7203 C5
3000 B1	3252 A3	7204 C2
3001 B1	3253 A3	7205 C2
3100 A3	3254 A3	7206 C2
3101 A3	3255 A3	7207 A2
3102 A4	3256 B4	7209 A5
3103 A5	3260 A4	7210 C3
3104 A5	3261 A5	7211 C3
3106 B1	3262 B5	7212 C3
3107 B1	3263 A3	7213 C4
3108 B1	3264 A3	7214 B4
3109 B1	3265 A3	7215 B4
3110 B2	3266 A3	7216 B4
3111 C2	3270 A3	7217 A4
3112 B2	3271 B3	7218 C2
3113 B2	3272 A3	7250 B3
3114 B2	3273 A3	7251 B3
3115 B2	3274 C5	7252 B3
3119 C2	3276 B2	7253 A3
3120 C2	3277 A3	7254 A4
3121 C2	3279 B2	
3122 C2	3280 B2	
3123 C2	3281 B2	
3124 C2	3290 A3	
3126 C2	3291 A3	
3127 C3	3292 A3	
3131 A2	3293 A3	
3132 A2	3296 C3	
3133 A2	3297 C3	
3134 A2	3298 B4	
3135 A2	3299 C4	
3136 C3	3301 C3	

H20 A5	2117 A2	2141 A5	2163 C3	2185 B2
H21 B5	2118 A2	2142 A5	2164 A3	2186 B2
H22 C5	2119 A2	2143 A5	2165 B1	2187 A2
1200 B1	2120 C4	2144 A5	2166 C3	2188 B2
2100 A5	2121 B2	2146 A5	2167 C3	2198 B1
2101 A5	2123 A5	2147 C3	2168 C4	2199 B3
2102 B2	2124 B3	2148 B4	2169 C4	2200 C1
2103 B2	2125 B5	2149 B5	2170 C4	2201 A3
2104 B1	2126 C2	2150 C5	2172 B4	2202 C1
2105 C2	2127 C3	2151 C3	2173 B4	2203 B1
2106 C2	2128 A2	2152 C3	2174 A4	2204 B1
2107 C2	2130 C5	2153 C3	2175 A4	2205 B1
2108 C2	2131 A5	2154 C4	2176 B3	2206 B1
2109 C2	2133 C5	2155 C5	2177 B4	2207 B1
2110 C2	2134 C5	2156 C4	2178 B4	2208 C1
2111 C2	2135 C5	2157 C4	2179 A4	2209 C1
2112 C2	2136 C5	2158 C4	2180 A4	2210 C1
2113 A2	2137 C5	2159 C5	2181 A1	2211 C1
2114 A2	2138 B5	2160 B4	2182 B5	
2115 A2	2139 B5	2161 B4	2183 B5	
2116 A2	2140 B5	2162 C4	2184 A5	

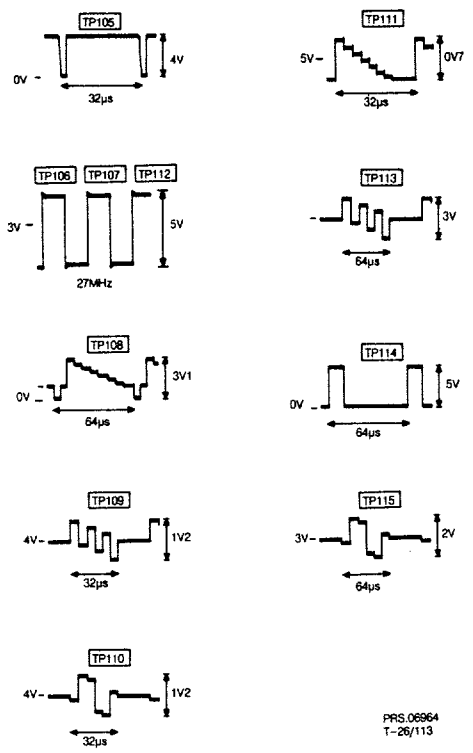
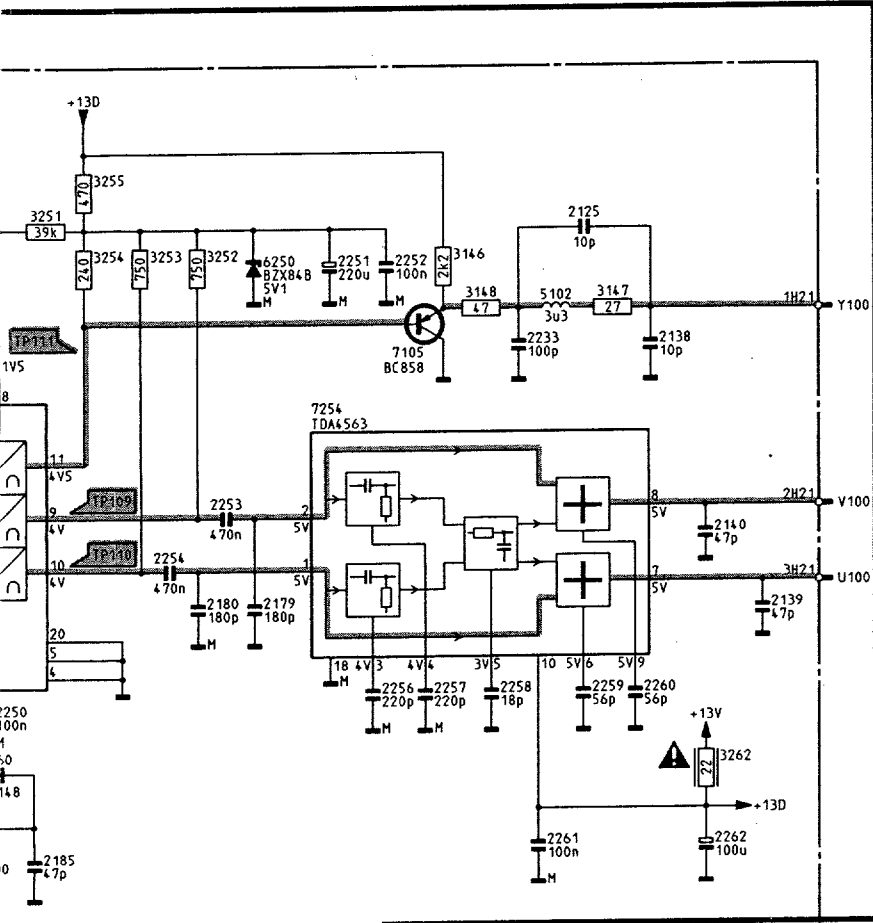
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HIGH-END BOX 100Hz

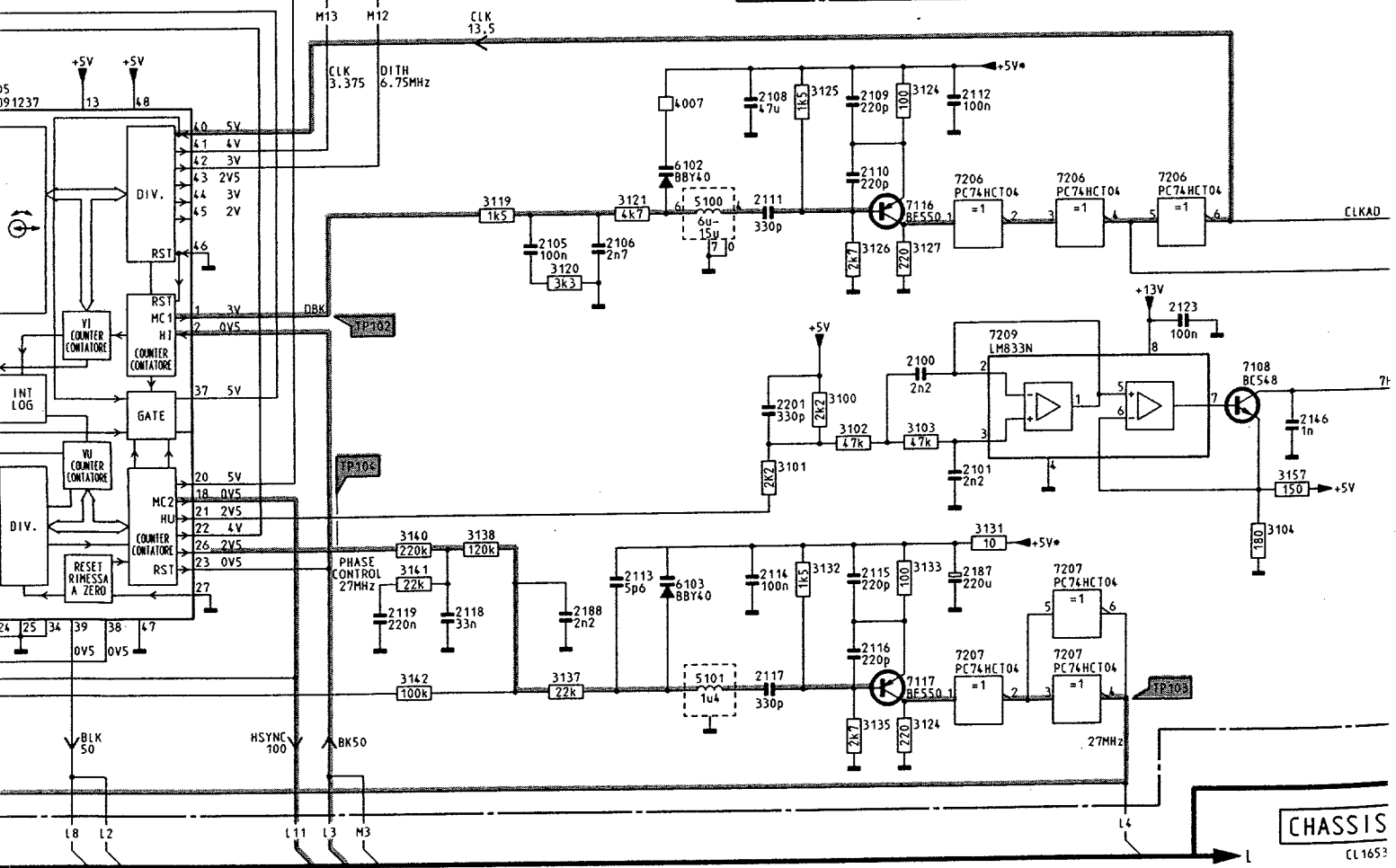




22 23 24 25 26 27 28 29 30 31 32 33



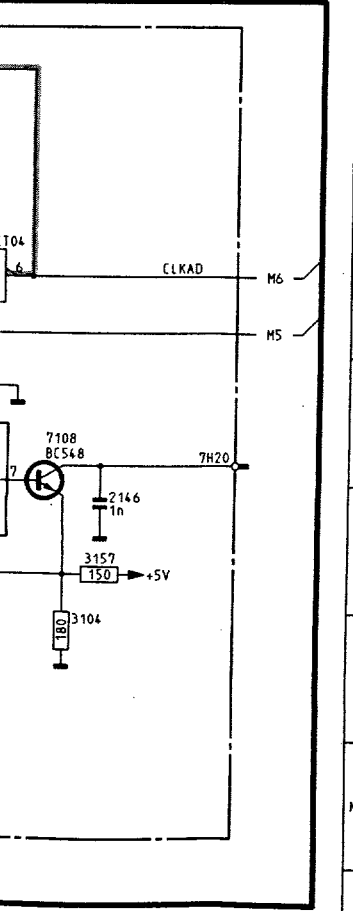
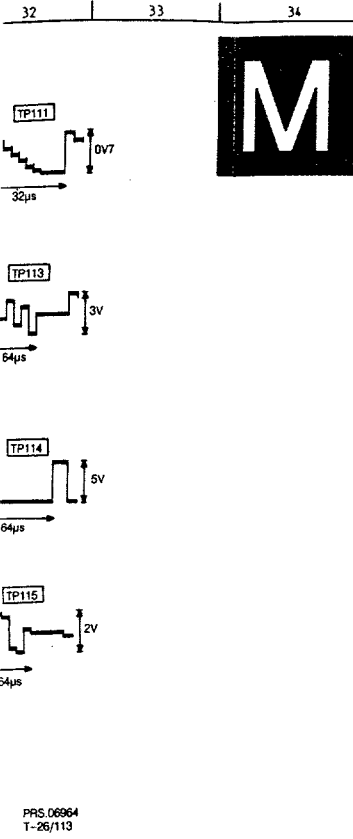
PRS 06864
T-28/113



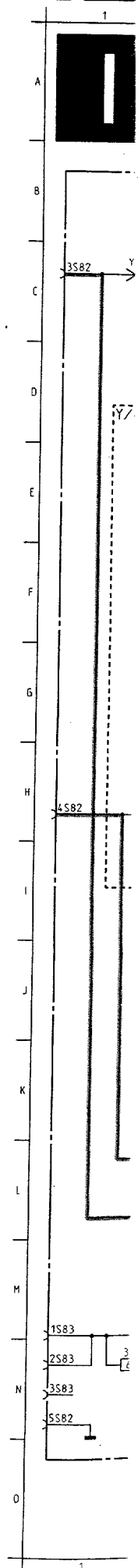
CHASSIS
CL1653

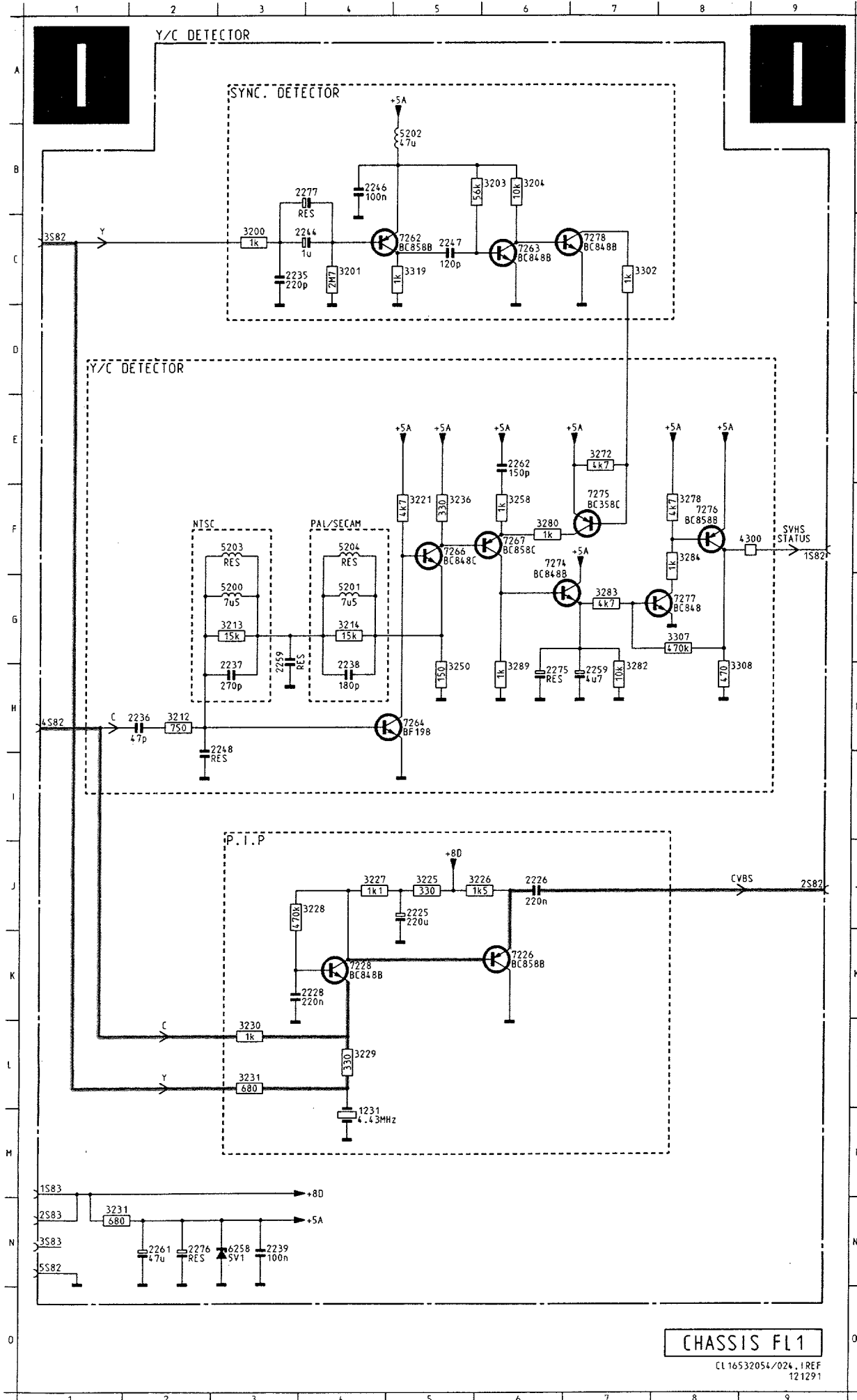
22 23 24 25 26 27 28 29 30 31 32 33

L1.1 6.54 6.55 CHASSIS FL1.1



1100	I17	3115	K17	7207	M31
2100	K29	3119	J26	7207	M31
2101	L30	3120	J26	7209	K30
2102	J17	3121	J27	7210	D 3
2103	J17	3122	I15	7210	D 6
2104	K15	3124	I29	7210	H 6
2105	J26	3124	N29	7210	L 6
2106	J27	3125	I28	7210	I 3
2108	I28	3126	J29	7211	B 9
2109	I29	3127	J29	7212	F 9
2110	I29	3131	M30	7213	J 9
2111	J28	3132	M28	7214	D10
2112	L30	3133	M29	7215	F10
2113	M27	3135	N29	7216	H10
2114	M28	3137	N26	7217	K10
2115	M29	3138	M26	7250	B14
2116	N29	3140	M25	7251	D14
2117	N28	3141	M25	7252	F14
2118	M25	3142	M25	7253	D18
2119	M25	3143	I15	7254	D24
2121	K13	3146	B25		
2123	K32	3147	C26		
2125	B26	3148	C25		
2130	D 2	3151	D 3		
2131	N18	3152	C 3		
2133	N14	3153	B 3		
2134	L15	3155	C 4		
2138	C27	3156	G 4		
2139	E27	3157	L33		
2140	E27	3158	D 5		
2146	L33	3159	D 2		
2147	C 4	3160	D 6		
2148	G 3	3161	G 3		
2149	K 3	3162	K 4		
2150	C 2	3163	H 6		
2151	D 4	3164	H 2		
2152	D 5	3165	L 6		
2153	C 5	3166	L 2		
2154	M 7	3168	L 3		
2155	H 2	3169	B 5		
2156	H 3	3170	M 8		
2157	H 4	3171	M 6		
2158	G 5	3172	M 7		
2159	L 2	3173	H 5		
2160	L 3	3174	L 5		
2161	L 4	3212	I13		
2162	L 5	3217	M17		
2164	C21	3251	B22		
2166	D 8	3252	B23		
2167	H 8	3253	B23		
2168	M 8	3254	B22		
2169	M 5	3255	B22		
2172	F12	3256	M 4		
2173	H12	3262	F27		
2174	J12	3274	L17		
2175	L12	3275	L14		
2175	F 7	3279	G20		
2176	B 7	3280	F20		
2178	J 7	3281	F21		
2179	E24	3296	N 7		
2180	E23	3297	N 7		
2182	N 2	3298	L 5		
2182	N 8	3299	G 5		
2182	N 6	3301	A 8		
2185	G22	3302	E 8		
2186	G20	3303	J 8		
2187	M30	3304	E 2		
2188	M26	3305	D 2		
2199	D 7	3306	E 3		
2201	K28	3310	I 4		
2233	C26	4007	I27		
2250	F21	5100	J28		
2251	C24	5101	N28		
2252	C25	5102	C26		
2253	D23	5104	M11		
2254	E23	5105	A15		
2255	C20	5106	D15		
2256	F24	5107	F15		
2257	F25	5109	C20		
2258	F25	5150	C 4		
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2261	G26	6102	I27		
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2271	D15	6160	F21		
2272	F15	6250	C24		
2277	C20	7100	J15		
2286	L 7	7103	I16		
2287	H 7	7105	C25		
2289	L 8	7108	K32		
2291	L 8	7110	G21		
2293	H 8	7111	G20		
2295	H 8	7113	J14		
2297	D 8	7116	J29		
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2299	D 8	7119	C 5		
2301	C 7	7120	C 6		
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2303	K 7	7122	K 6		
2304	B 9	7123	N 6		
2305	F 9	7124	G 4		
2306	J 9	7125	K 4		
2307	B 7	7157	L16		
2308	F 7	7158	L15		
2309	K 7	7159	C 3		
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3102	L29	7205	I21		
3103	L29	7206	M 9		
3104	M32	7206	J30		
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3111	J15	7206	J32		
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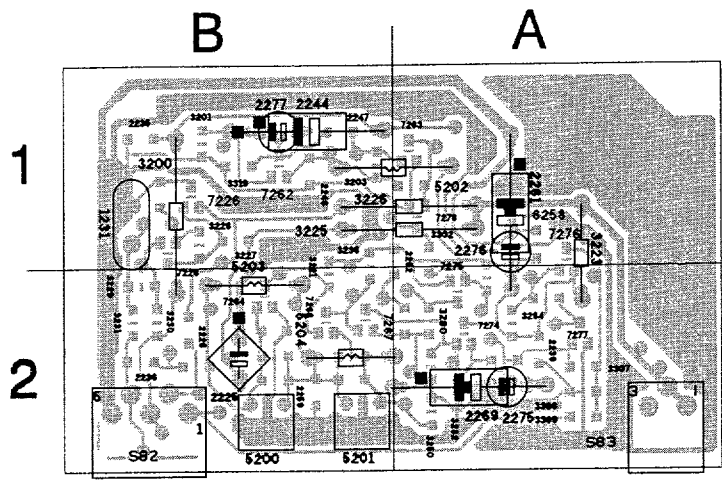




1231	H 4
2225	J 5
2226	J 6
2228	K 3
2235	C 3
2236	H 2
2237	H 3
2238	H 4
2239	N 3
2244	C 4
2246	B 4
2247	C 5
2248	I 2
2259	G 3
2259	H 7
2261	N 2
2262	E 6
2275	H 6
2276	N 2
2277	B 4
3200	C 3
3201	C 4
3203	B 5
3204	B 6
3212	H 2
3213	G 3
3214	G 4
3214	G 4
3221	F 5
3225	J 5
3226	J 5
3227	J 4
3228	J 4
3229	L 4
3230	L 3
3231	L 3
3231	N 1
3236	F 5
3250	G 5
3258	F 6
3272	E 7
3278	F 8
3280	F 6
3282	G 7
3283	G 7
3284	F 8
3289	G 6
3302	C 7
3307	G 8
3308	G 8
3319	C 5
4300	F 9
5200	G 3
5201	G 4
5202	B 5
5203	F 3
5204	F 4
6258	N 3
7226	K 6
7228	K 4
7262	C 5
7263	C 6
7264	H 5
7266	F 5
7267	F 6
7274	F 6
7275	F 7
7276	F 8
7277	G 8
7278	C 7

CHASSIS FL1
 CL 16532054/024.1 REF
 121291

Y/C Detector panel
Y/C Detektor Platine
Platine du détecteur Y/C



S82	B2	2239	A2	2276	A1	3221	B2	3250	A2	3307	A2	6258	A1	7276	A1
S83	A2	2244	B1	2277	B1	3223	A1	3258	B2	3308	A2	7226	B1	7277	A2
1231	B1	2246	B1	3190	A2	3225	A1	3272	A2	3319	B1	7228	B1	7278	A1
2225	B2	2247	B1	3200	B1	3226	A1	3278	A2	3391	A2	7262	B1		
2226	B2	2248	B2	3201	A1	3227	B1	3280	A2	4300	A2	7263	A1		
2228	B1	2259	B2	3203	B1	3228	B1	3282	A2	5200	B2	7264	B2		
2235	B1	2261	A1	3204	A1	3229	B2	3283	A2	5201	B2	7266	B2		
2236	B2	2262	B2	3212	B2	3230	B2	3284	A2	5202	B1	7267	B2		
2237	B2	2269	A2	3213	B2	3231	B2	3289	A2	5203	B2	7274	A2		
2238	B2	2275	A2	3214	B2	3236	B2	3302	A2	5204	B2	7275	A2		

31 M 4
25 J 5
26 J 6
28 K 3
35 C 3
36 H 2
37 H 3
38 H 4
39 N 3
44 C 4
46 B 4
47 C 5
48 I 2
59 G 3
59 H 7
51 N 2
62 E 6
75 H 6
76 N 2
77 B 4
80 C 3
81 C 4
83 B 5
84 B 6
82 H 2
83 G 3
84 G 4
21 F 5
25 J 5
26 J 5
27 J 4
28 J 4
29 L 4
30 L 3
31 L 3
31 N 1
36 F 5
50 G 5
58 F 6
72 E 7
78 F 8
30 F 6
32 G 7
33 G 7
34 F 8
39 G 6
32 C 7
37 G 8
38 G 8
39 C 5
40 F 9
40 G 3
41 G 4
42 B 5
43 F 3
44 F 4
58 N 3
26 K 6
28 K 4
52 C 5
53 C 6
54 H 5
56 F 5
57 F 6
74 F 6
75 F 7
76 F 8
77 G 8
78 C 7

Electrical adjustments

Setting conditions

- * Unless stated otherwise, the supply voltage used is:
220 - 240V \pm 10%; 50 - 60Hz \pm 5%
- * Voltages and oscillograms are measured in relation to tuner earth. **Never** use the cooling plates as earth.
- * Warming-up time \approx 10 minutes
- * For all measurements it is true that:
probe Ri > 1M Ω ; Ci < 10pF

1. Electrical settings on the large signal panel

1.1 +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. 7.2) set the supply voltage to + 141V \pm 0.5V.

1.2 Focusing

This is set with the focus potentiometer (top one on the Line output transformer).

1.3 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. 7.1) on pin 9 of IC7705, IC7706 and IC7707 in relation to earth.

Now adjust the highest voltage level found with the aid of the Vg2 potentiometer (bottom left on the Line output transformer) to 150V \pm 2V.

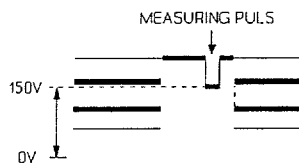


Fig. 7.1

1.4 Stable OSD

Short circuit pin 11 IC7401 to pin 13 IC7401

Short circuit pin 5 IC7755 to earth.

Measure the frequency on pin 16-IC7401 and set this to 15,625 Hz \pm 25 Hz with R3434.

Remove the short circuits.

1.5 Horizontal synchronisation

Connect point 5-IC7400 to point 9-IC7400.

Supply an aerial signal and set the receiver.

Adjust potentiometer R3406 until the picture is straight.

Break the through connection.

1.6 Horizontal centring

Set using potentiometer R3513.

1.7 Picture width

Set using potentiometer R3607.

1.8 Vertical centring

Set using potentiometer R3467.

1.9 Picture height

Set using potentiometer R3410.

1.10 East/West correction

Set using potentiometer R3602.

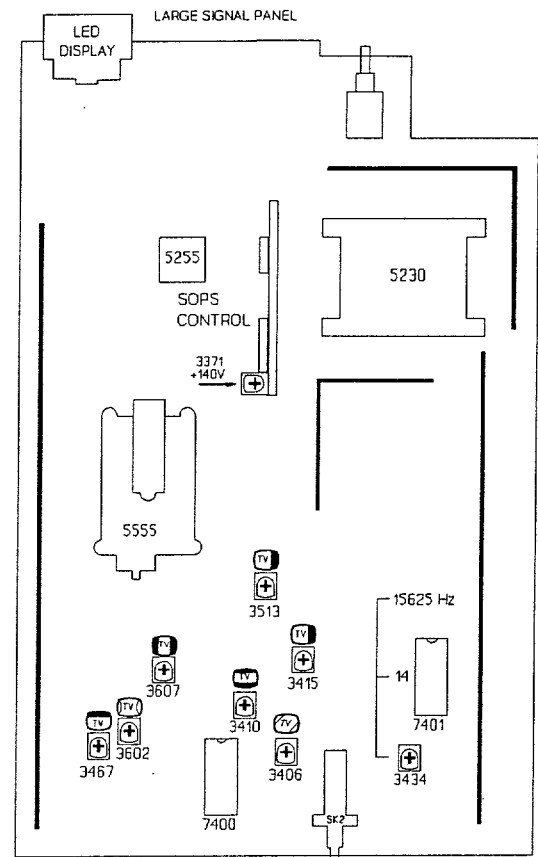


Fig. 7.2

2. Electrical settings on the small signal panel

2.1 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.

2.2 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.

2.3a Electrical settings for sets with IC7364 - TDA4510

a-1 Chroma bandpass filter

Connect a signal generator (e.g. PM 5326) to pin 20 of the euroconnector (EXT1) and set its frequency to 4.43 MHz. Connect the unit to EXT1. Connect an oscilloscope to pin 9-IC7364. Set L5354 to maximum amplitude.

a-2 Chroma auxiliary oscillator

Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 11-IC7364 (TDA4510) to earth. Set C2380 so that the colour on the screen has practically stopped. Remove the interconnection.

2.3b Electrical settings for sets with IC7365 - TDA4650

b-1 Chroma bandpassfilter

Connect a signal generator (e.g. PM 5326) to pin 20 of the euroconnector (EXT1) and set its frequency to 4.286 MHz/0.2 Vpp. Switch the unit to EXT1. Connect pin 27-IC7365 to pin 13-IC7365 (+12V). Connect an oscilloscope to pin 15-IC7365. Set L5345 to maximum amplitude. Remove the interconnection.

b-2 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 to point 13-IC7365. Connect an oscilloscope to point 15 of IC7365. Set L5346 to minimum amplitude. Remove the short circuit.

b-3 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 to point 13-IC7365. Connect an oscilloscope to point 15 of IC7365. Set L5346 to minimum amplitude. Remove the short circuit.

b-4 Chroma 8,87 MHz auxiliary oscillator

Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7365 (TDA4650) to earth. Set C2380 so that the colour on the screen has practically stopped. Remove the interconnection.

b-5 Chroma 7,16 MHz auxiliary oscillator

Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7365 (TDA4650) to earth. Set R2379 so that the colour on the screen has practically stopped. Remove the interconnection.

b-6 SECAM demodulators

Connect a pattern generator and supply a SECAM black pattern. Connect an oscilloscope to pin 3-IC7365. Set L5370 to minimum amplitude. Connect the oscilloscope to pin 1-IC7365. Set R3370 to minimum amplitude.

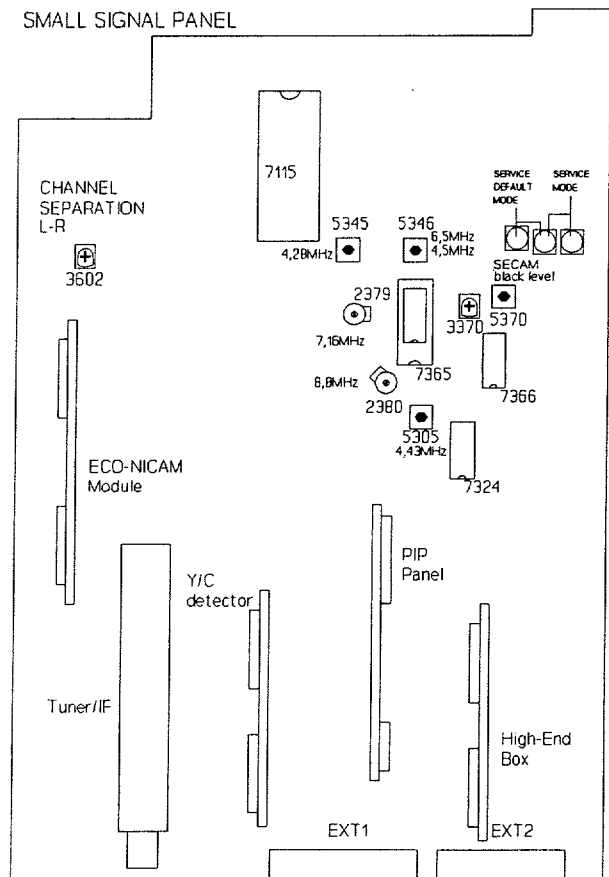


Fig. 7.3

3.

3.1

3.2

3.3

3. Electrical adjustments on the high-end box

3.1 Synchronisation

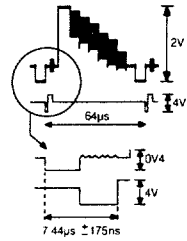
Connect point 5 of IC7203 to earth. Adjust R3228 until the picture is straight. Remove the short circuit.

3.2 13.5 MHz oscillator

Measure the signals at point 1 of IC7205 and at point 5 of IC7203 simultaneously with an oscilloscope (fig. 7.2). Adjust coil L5100 so that the positive-going flank of the signal at point 1 of IC7205 comes 7.62 μsec after the negative-going flank of the sync pulse in the video signal (point 5 of IC7203).

3.3 27 MHz oscillator

Apply a PAL/SECAM signal. Short pin 28 of IC7204 to earth. Measure the frequency at point 6 of IC7207. Using L5101 set the frequency to 27 MHz ± 50 kHz.



PRS 06965
T-26/113

Fig. 7.4

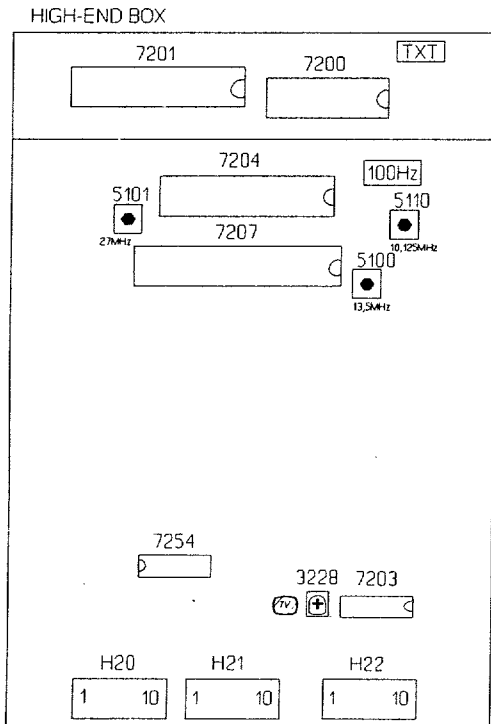


Fig. 7.5

4. Electrical settings on the ECO-NICAM decoder panel

4.1 Neutral frequency adjustment

Connect a frequency counter via a probe (C_i ≤ 15pF) to pin 19 of IC7001 (SAA 7280) and pin 15 (GND).

Adjust C2015 in such a manner that the clock frequency is set at 728.025 kHz. (± 5Hz)

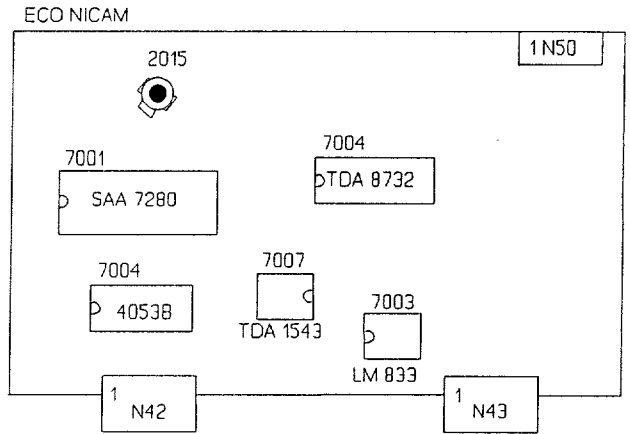


Fig. 7.6

5. Y/C detector adjustment

PAL/SECAM

Inject a chroma signal of 4.418 MHz/200mV on pin 15 of EXT2 SCART (PL05).

Connect an oscilloscope to the collector of T7266 (T7). Using L5201 adjust the 4.418 MHz signal to maximum amplitude.

NTSC

As PAL/SECAM but with a signal of 3.582 MHz/200mV. Adjust with L5200.

Y/C DETECTOR

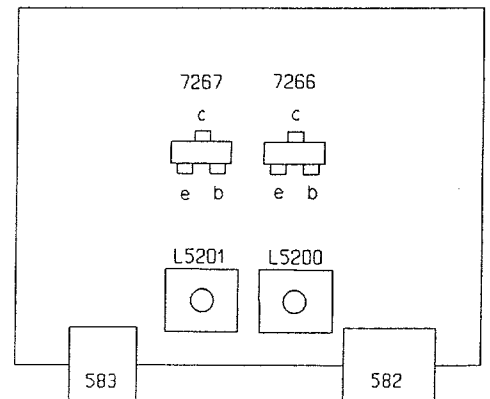


Fig. 7.7

6. 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.).

6.1 Horizontal synchronisation

Supply an aerial or generator signal. Connect pin 28-IC7125 to pin 13-IC7125. Connect pin 5-IC7755 to earth. Measure the frequency on pin 17-IC7755 and set this to 15,625 Hz ± 25 Hz with R3239. Remove the short circuits.

6.2 AGC

If the picture from a strong local transmitter is distorted, adjust 3160 until the picture is not distorted.

6.3a Setting for PIP modules with TDA4510

a-1 Chroma bandpass filter

Connect a signal generator (e.g. PM 5326) to pin 10 of P17 and set its frequency to 4.43 MHz/0.2Vpp. Connect an oscilloscope to pin 9-IC7126. Set L5118 to maximum amplitude.

a-2 PAL chroma auxiliary oscillator

Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 11-IC7126 (TDA4510) to earth. Set C2202 so that the colour of the PIP picture is practically still. Remove the interconnection.

a-3 The delayline

Connect a pattern generator and supply a PAL colour bar signal. Connect the X-input of the oscilloscope to pin 1-IC7126 (TDA4510). Connect the Y-input of the oscilloscope to 2-IC7126 (TDA4510). Set the oscilloscope to the X-Y position. Set L5155 and L5157 so that the vectors lie in one line (points which are furthest from the origin). Set the pattern generator to the "DEM" mode. Set R3157 so that the vectors lie on top of one another in the origin.

6.3b Setting for PIP modules with TDA4554

b-1 Chroma bandpass filter

Connect a signal generator (e.g. PM 5326) to pin 10 of P17 and set its frequency to 4.286 MHz/0.2 Vpp. Connect pin 27-IC7125 to 13-IC7125. Connect an oscilloscope to pin 15-IC7125. Set L5118 to maximum amplitude. Remove the interconnection.

b-2 PAL chroma auxiliary oscillator

Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7125 (TDA4554) to earth. Set C2202 so that the colour of the PIP picture is practically still. Remove the interconnection.

b-3 NTSC chroma auxiliary oscillator

Connect a pattern generator and supply an NTSC M colour bar pattern. Connect pin 17-IC7125 to earth. Set C2212 so that the colour of the PIP picture is practically still. Remove the interconnection.

b-4 The delay line

Connect a pattern generator and supply a PAL colour bar signal. Connect the X-input of the oscilloscope to pin 1-IC7125 (TDA4554). Connect the Y-input of the oscilloscope to pin 3-IC7125 (TDA4554). Set the oscilloscope to the X-Y position.

Set L5155 and L5157 so that the vectors lie in one line (points which are furthest from the origin). Set the pattern generator to the "DEM" mode. Set R3157 so that the vectors lie on top of one another in the origin.

b-5 SECAM identification

Connect a pattern generator and supply a SECAM colour bar signal. Connect pin 27-IC7125 to pin 13-IC7125. Connect an oscilloscope to pin 21-IC7125. Adjust L5190 to maximum DC level. Remove the interconnection.

b-6 SECAM demodulators

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

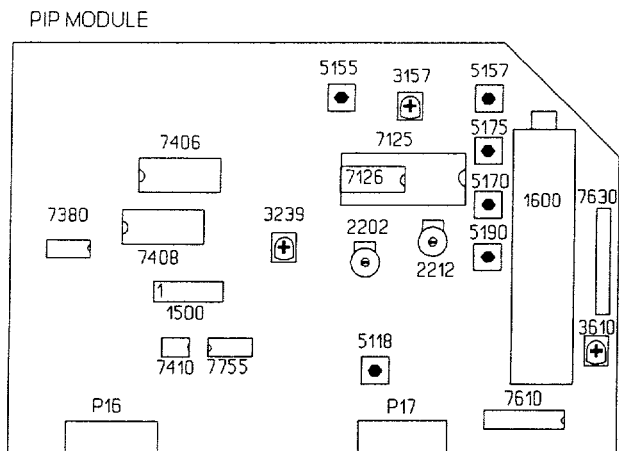


Fig. 7.8

7. Adjustments in the service menu

Switch in the service menu by connecting pins S23 and S24 on the small-signal panel briefly with each other (see section 9). In the Service Mode the following menu appears in the picture:

SERVICE YY-MM-DD
a option 1 xxx
b option 2 xxx
c green xxx
d blue xxx

In this menu "YY-MM-DD" is the release date of the software which is present in the set. The desired adjustment can be selected with the aid of menu keys a, b or c on the remote control. When the "PP store" key on the local keyboard is pressed, the adjusted values are stored in the memory and the Service Mode is left.

7.1 White balance

Connect a pattern generator and choose a white picture.

- Select c (green) or d (blue)
- Using P +/- adjust the values of green ("GREEN") and blue ("BLUE") until the desired white balance has been reached.
- Store the selected value by pressing the "PP store" key on the local keyboard.

7.2 Options

The control unit used in this set has been prepared for operation of all the functions possible with this set. For correct operation, however, the control unit has to "know" the functions/features located in the set. This is done with a so-called option code.

A number is allocated to each function. The possible functions are shown with their respective numbers in the tables alongside.

Optioncode 1

The numbers of the functions shown in the table have to be added to each other. The total forms the number for option code 1.

For example, a set has:

Table with 2 columns: Function, Number. Rows: Front-end FQ618/ME/IF (2), A PIP module (8)

Optioncode 1 now becomes 10

Option code 2

The number of the functions shown in the table have to be added to each other. The total forms the number for option code 2.

For example, a set has:

Table with 2 columns: Function, Number. Rows: IC7175 present on SSP (1), 100 Hz high-end box (4)

Option code 2 now becomes 5

The option codes are set as follows:

- Select a: option 1 or b: option 2
- Using P +/- set the desired option number.
- Store the value chosen by pressing the "PP store" key on the local keyboard.

These option codes are software adaptations. If the set has to be equipped for these features, the necessary hardware has also to be fitted.

Optioncode 1 table with 2 columns: Nbr., Function. Rows include: 0 Front end = FQ816/IF, 1 Front end = FQ844, 2 Front end = FQ816/ME/IF, 4 Front end = FQ816/MF/IF, 8 PIP module fitted, 16 NTSC-M reception possible, 32 SECAM DK module fitted, 64 NICAM module fitted, 128 Second front end for PIP fitted.

Optioncode 2 table with 2 columns: Nbr., Function. Rows include: 1 IC7175 present on SSP, 4 100 Hz High-end box fitted, 32 NICAM module present.

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1. The Service Default Mode

The FL1.1 is equipped with a service default mode. The service default mode is a fixed, definite state to which the set can be switched.

1.1 Definition state

The definition of the fixed state in the service default mode is as follows:

- all sound and picture controls are in the central position (exception volume which is turned down)
- tuned to 475.25 MHz
- system:
 - * PAL/SECAM BG for Multi Europe
 - * PAL I for UK
 - * SECAM L for Multi French

1.2 Switch on and off

The service default mode is switched on by shorting pins S24 and S25 on the small signal panel.

The service default mode can only be switched off by switching the set to stand-by. If the set is switched off and then on again using the mains switch or the mains plug, the service default mode will remain on.

If the set switches to stand-by immediately after switching-on, the set cannot be operated and also cannot be switched to the service default mode. The child-proof lock has already been activated.

To deactivate the child-proof lock the following series of commands has to be given using the remote control (see also Section 9):

<MENU>-<BLUE>-<RED>-<MENU + >-
<MENU OFF>

1.3 Fault signals

To indicate that the set is in the service default mode, the following is displayed on the screen:

SERVICE 00 00 05 06 05

The five numbers after the word "service" stand for the last five fault signals noted by the operator(s). The number on the extreme right represents the last fault signal, that on the extreme left the last fault signal but 4.


Since this enables fault reports to be looked at afterward, it means that intermittent faults can be traced.

When the set leaves the service default mode, the fault-report memory is cleared.

1.4 Operation

During the service default mode the set will accept all operating commands. When, however, the set is switched off and on, it will return to the state as defined above.

2. Software protection

If it is observed by the control that the front end has ceased to give an I²C response, or that IC7430, IC7600 and also IC 7680 are no longer giving any response, the set will switch to the protection mode since it will be assumed that the +5 V or the +13 V power-supply voltage is absent. This software protection device consists of a fault signal (LEDs , code99) and the switching of the set to stand-by. To enable the fault to be traced, the set has now to be switched to the service default mode. The software protection system is then switched out of circuit.

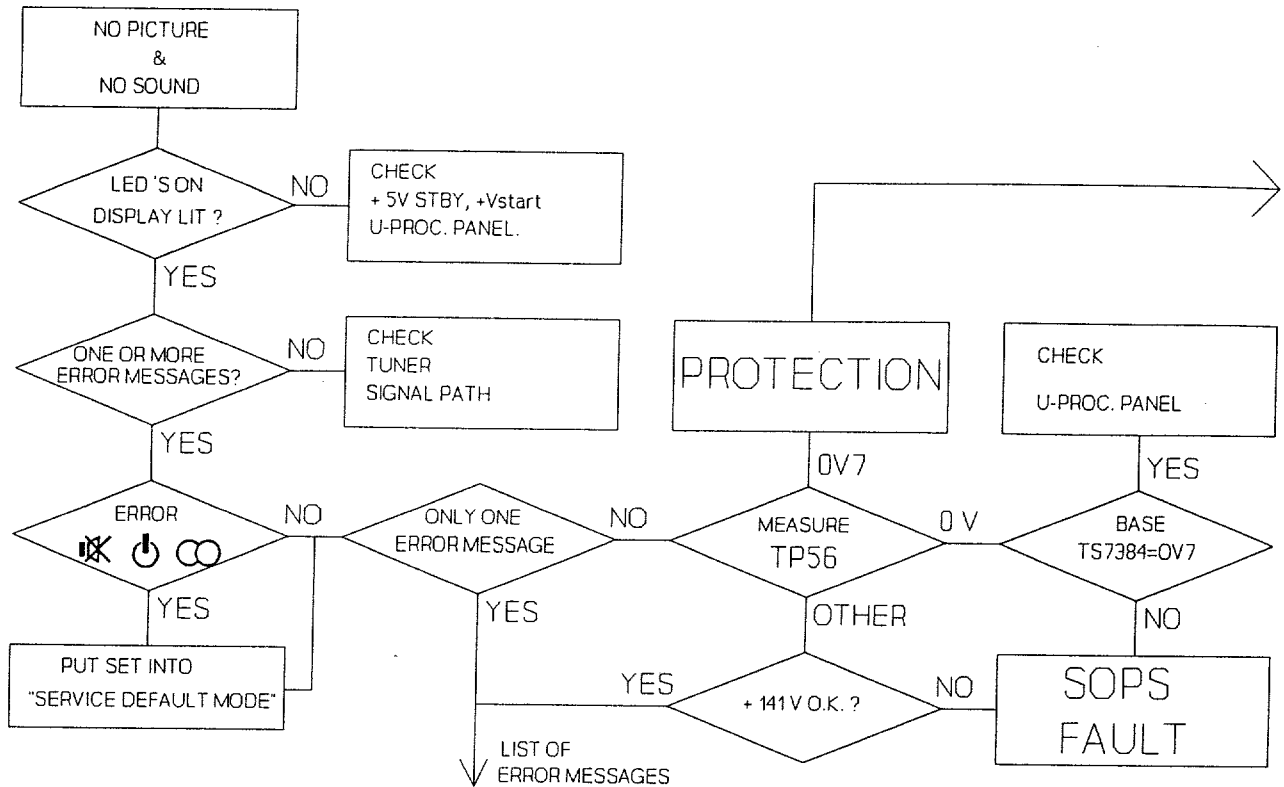
3. Replacement of EEPROM IC7137

If, during a repair, the EEPROM has to be replaced, the microprocessor will detect that the EEPROM is empty. A fault signal (No. 21) will then be displayed.

If the service mode is now activated (see section 7), the microprocessor will load the EEPROM with a number of standard values for the white balance and the other linear settings. These values, however, must all be checked and, if necessary, re-adjusted.

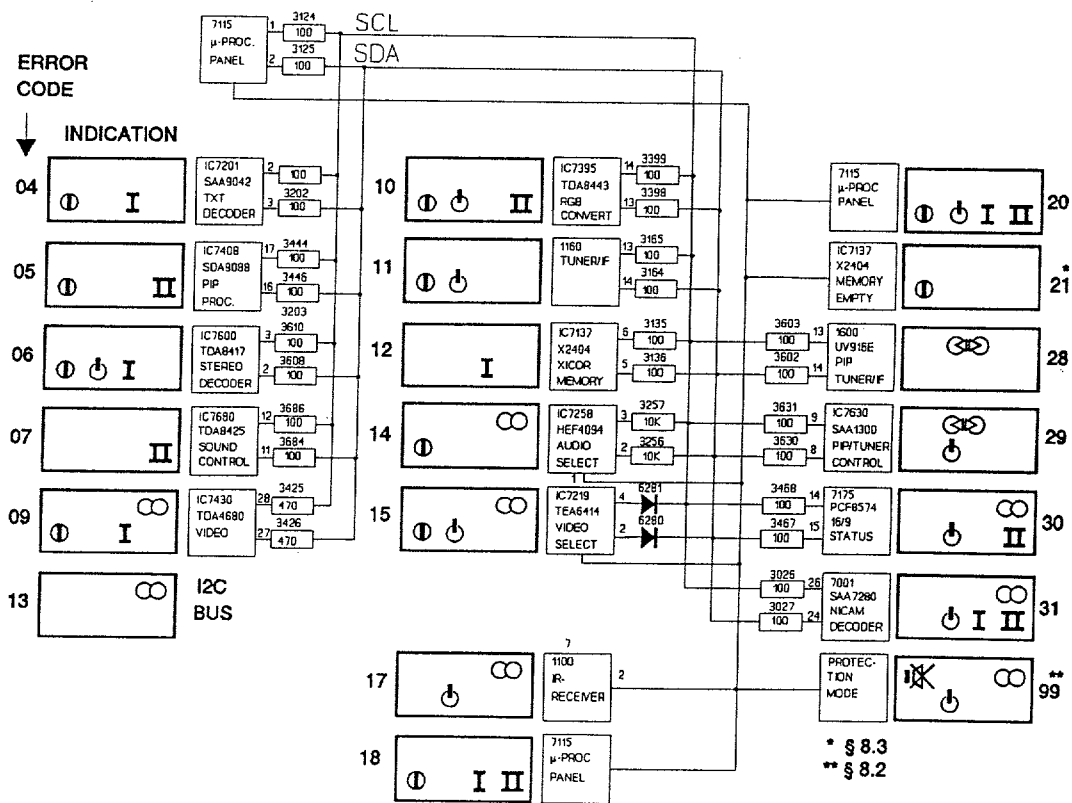
All options have also to be set, the programs installed and the personal preference set.

Faultfindingtree



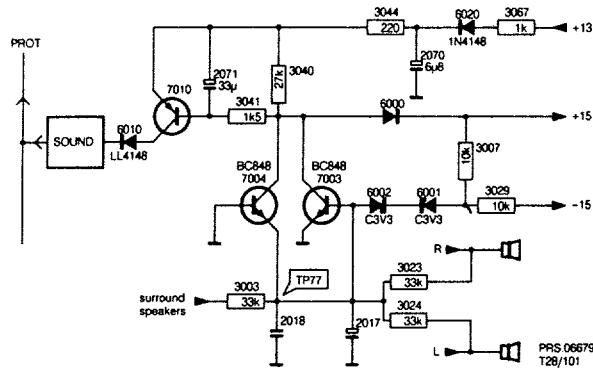
List of error messages

I²C Blockdiagram



* § 8.3
** § 8.2

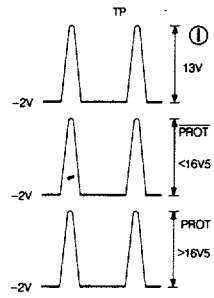
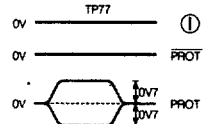
Protection



CHASSIS FL1.1

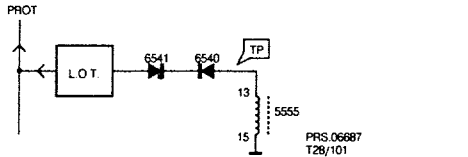
8.3

8.4

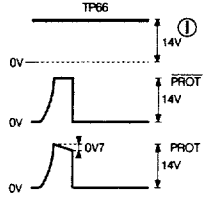
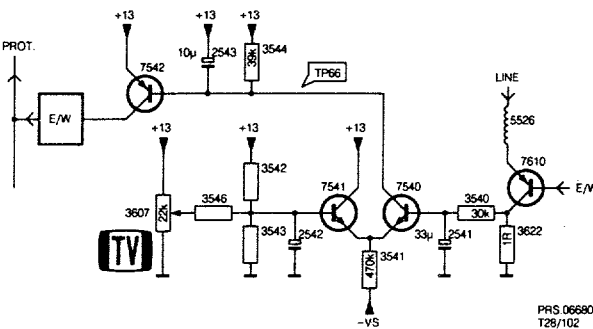
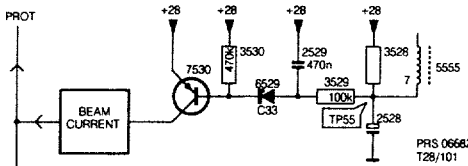


- 4. S D
- 4.1 G O
- a. sc
- b. Av
- c. ox
- d. di
- Tr
- m
- Re
- m
- ci
- sh
- m
- cc
- Ne
- ca
- Si
- su

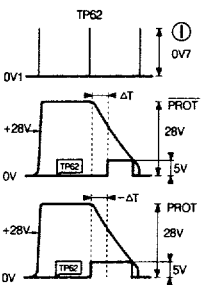
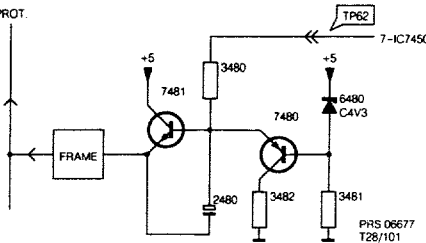
EHT



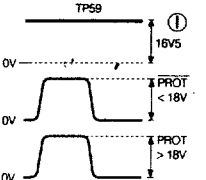
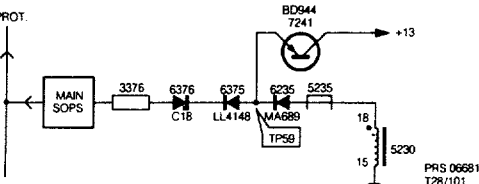
- 4.2 R
- a. He
- b. th
- c. fo
- d. so
- W
- it
- ea
- Re
- me



- Caution
- a. W
- b. pr
- c. W
- d. Th
- pr
- (sc
- Th



+V



4. Servicing of SMDs (Surface Mounted Devices)

4.1 General cautions on handling and storage

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

The capacitance or resistance value of the SMDs may be affected by this.

- 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.

4.2 Removal of SMDs

- Heat the solder (for 2-3 seconds) at each terminal of the chip. By means of litz wire and a slight horizontal force, small components can be removed with the soldering iron. They can also be removed with a solder sucker (see Fig. 8.1A) 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. 8.1B).
- Remove the excess solder on the solder lands by means of litz wire or a solder sucker (see Fig. 8.1C).

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) should preferably be equipped with a thermal control (soldering temperature: 225 to 250°C).
- The chip, once removed, must never be reused.

4.3 Attachment of SMDs

- Locate the SMD on the solder lands by means of tweezers and solder the component on one side. Ensure that the component is positioned correctly on the solder lands (see Fig. 8.2A).
- Next complete the soldering of the terminals of the component (see Fig. 8.2B).

Caution when attaching SMDs:

- When soldering the SMD terminals, do not touch them directly with the soldering iron. The soldering should be done as quickly as possible; care must be taken to avoid damage to the terminals of the SMDs themselves.
- Keep the SMD's body in contact with the printed board when soldering.
- The soldering iron to be used (approx. 30 W) should preferably be equipped with a thermal control (soldering temperature: 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 to 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. 8.3).

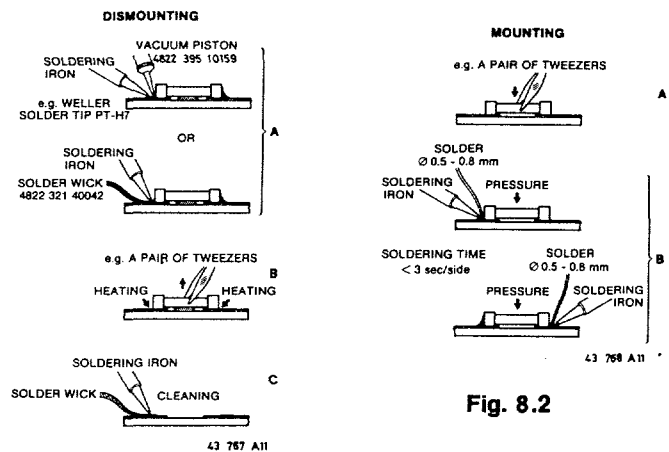


Fig. 8.1

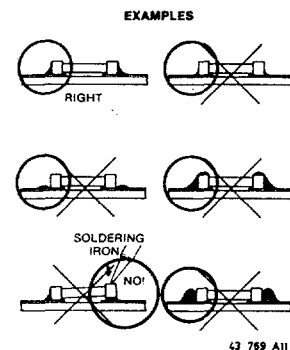
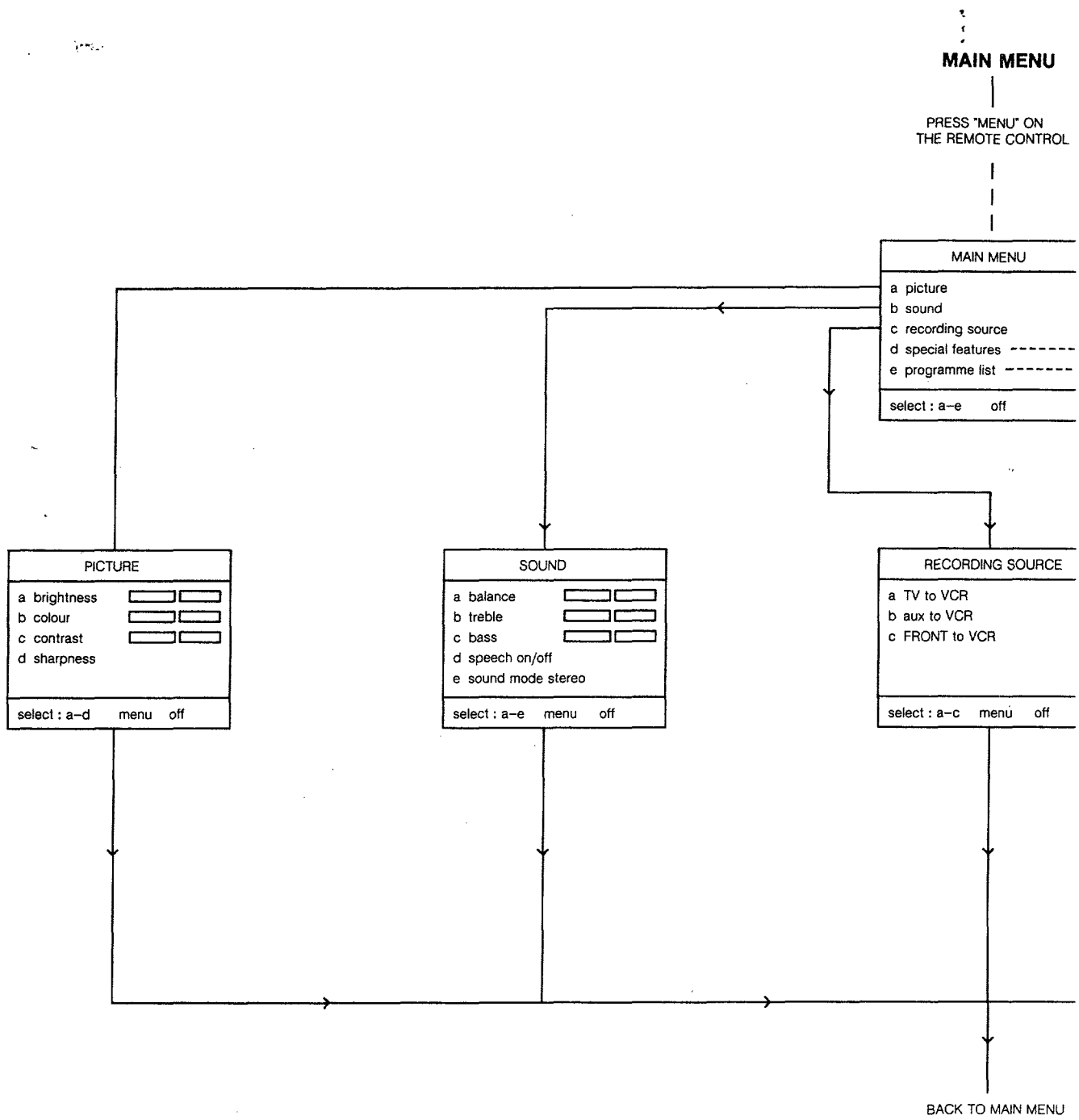


Fig. 8.3



MAIN MENU

PRESS 'MENU' ON THE REMOTE CONTROL

MAIN MENU

- a picture
- b sound
- c recording source
- d special features
- e programme list

select : a-e off

RECORDING SOURCE

- a TV to VCR
- b aux to VCR
- c FRONT to VCR

select : a-c menu off

SPECIAL FEATURES

- a child lock
- b sleeptimer
- c display prog. No
- d demonstration
- e pip size

select : a-e menu off

stop demonstration by switching off the set

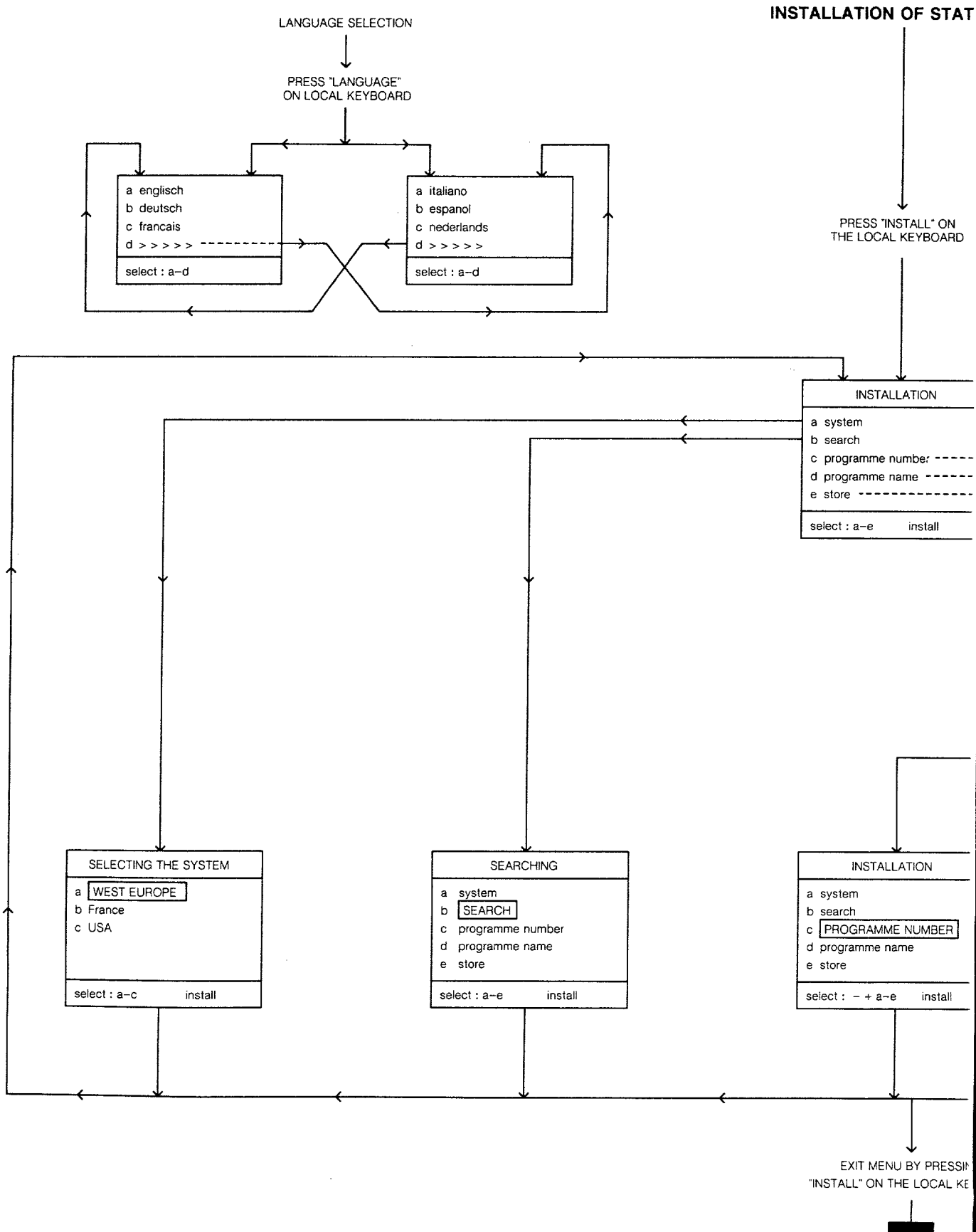
PROGRAMME LIST

pr.name	pr.name	pr.name
0	10	20
1	11	21
2	12	22
3	13	23
4	14	24
5	15	25
6	16	26
7	17	27
8	18	28
9	19	29

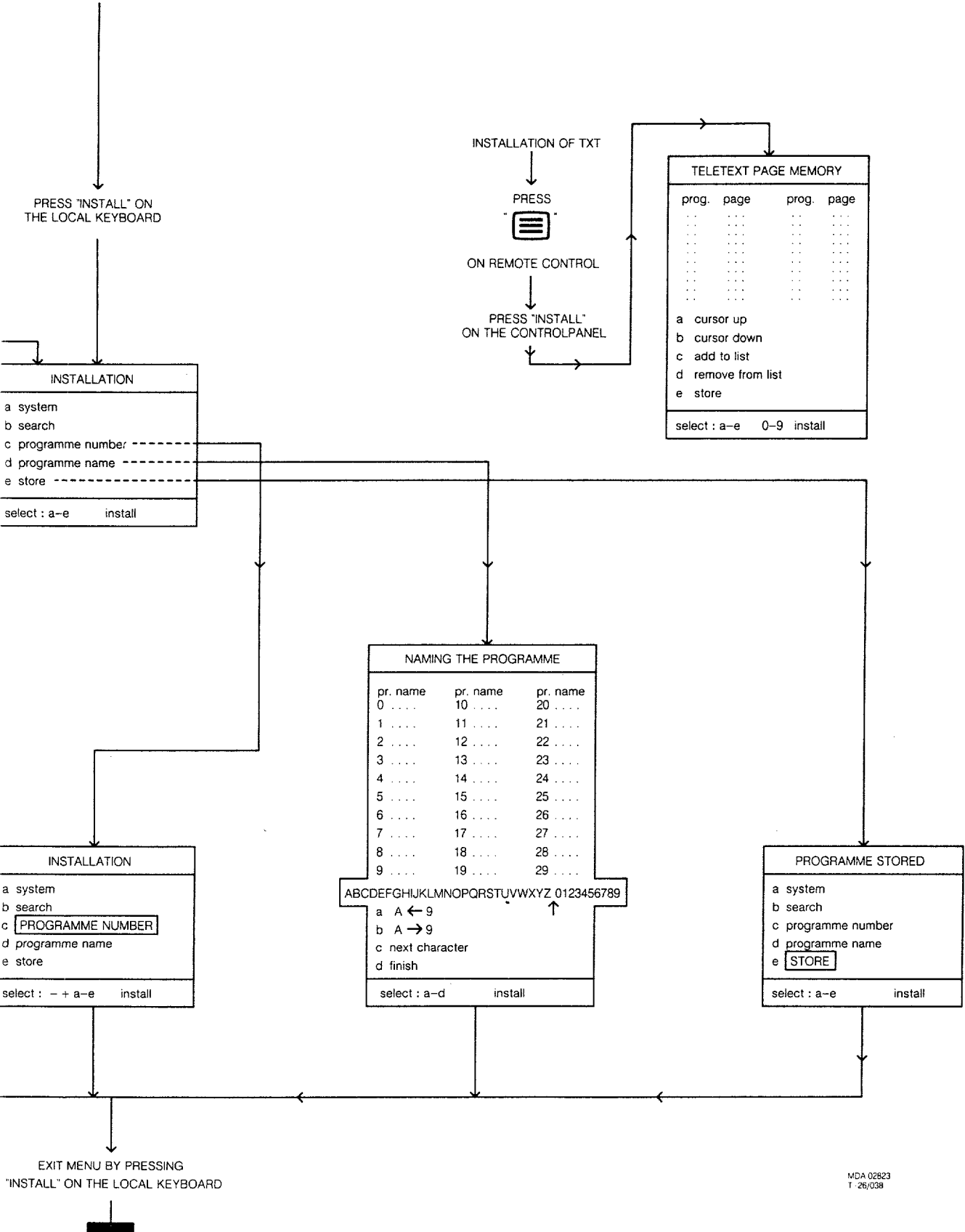
select : menu off

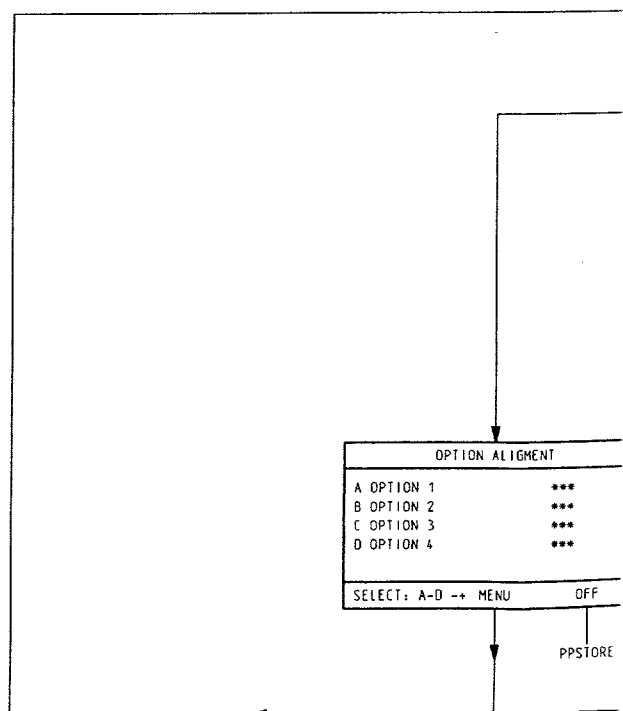
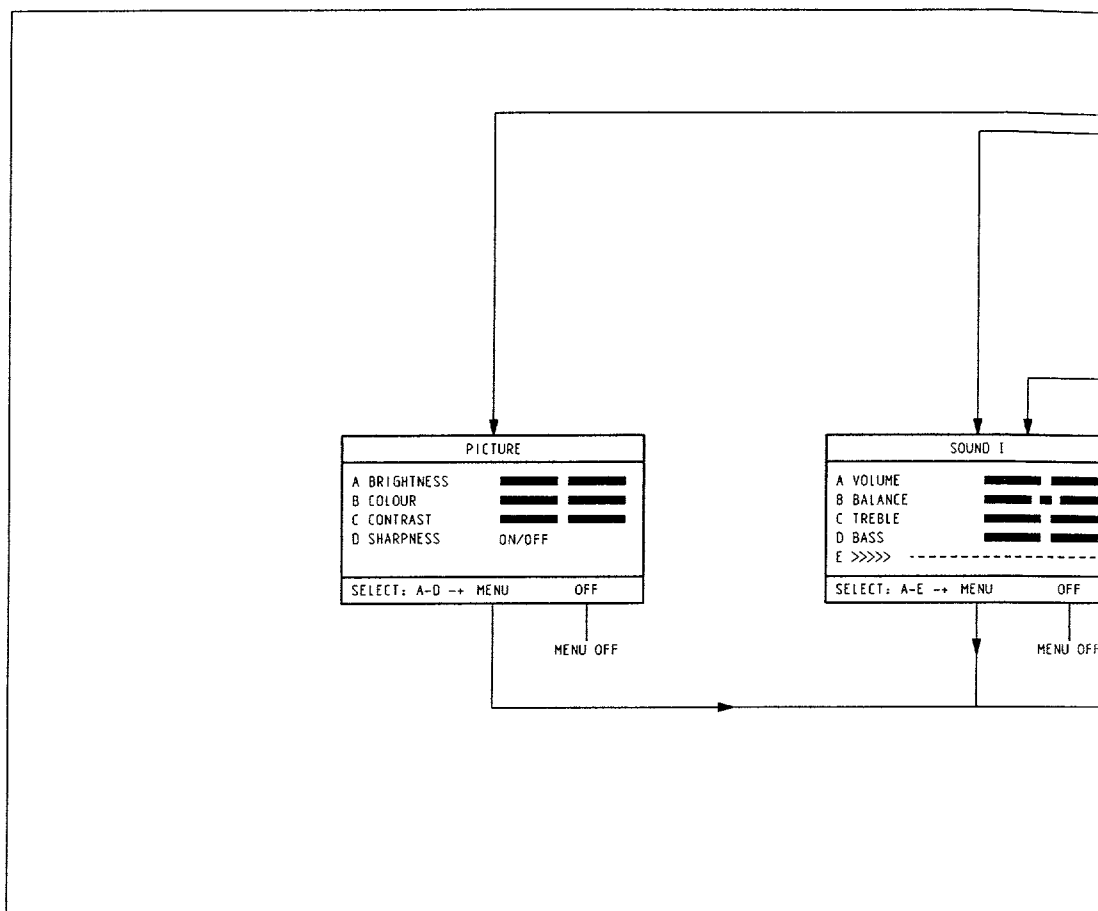
BACK TO MAIN MENU

MDA 02820
T-26/112



INSTALLATION OF STATIONS





MAIN MENU

PRESS "MENU" ON THE REMOTE CONTROL

MAIN MENU		
A PICTURE		
B SOUND		
C RECORDING SOURCE	-----	
D SPECIAL FEATURES	-----	
E PROGRAMME LIST	-----	
SELECT: A-E		OFF

MENU OFF

SOUND I		
[Icons]		
-E -> MENU		OFF

MENU OFF

SOUND II		
A SPEECH	ON/OFF	
B SPATIAL	ON/OFF	
C SOUND MODE	STEREO/MONO	
D >>>>		
SELECT: A-D -> MENU		OFF

MENU OFF

RECORDING SOURCE		
A TV TO VCR		
B AUX TO VCR		
C FRONT TO VCR		
SELECT: A-C	MENU	OFF

MENU OFF

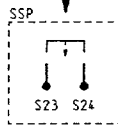
SPECIAL FEAT		
A CHILD LOCK		
B SLEPTIMER		
C PP STORE		
D DEMONSTRATION		
E PIP SIZE	SM	
SELECT: A-E -> MENU		

STOP DEMONSTRATION BY SWITCHING OFF THE SET

MENU

BACK TO MAIN MENU

SERVICE MENU



SERVICE 91-12-18		
A OPTION ALIGNMENT		
B WHITE DRIVE ALIGNMENT		
C CUT OFF ALIGNMENT		
D STORE		
SELECT: A-D	MENU	OFF

PPSTORE

OPTION ALIGNMENT		
1	***	
2	***	
3	***	
4	***	
-D -> MENU		OFF

PPSTORE

WHITE DRIVE ALIGNMENT		
A WHITE DRIVE GREEN	***	
A WHITE DRIVE BLUE	***	
SELECT: A-B -> MENU		OFF

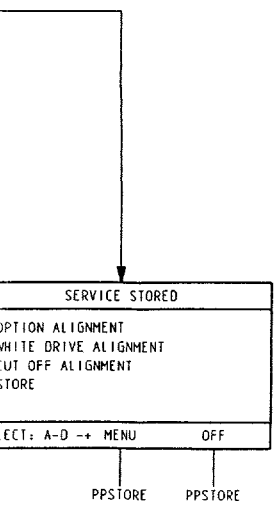
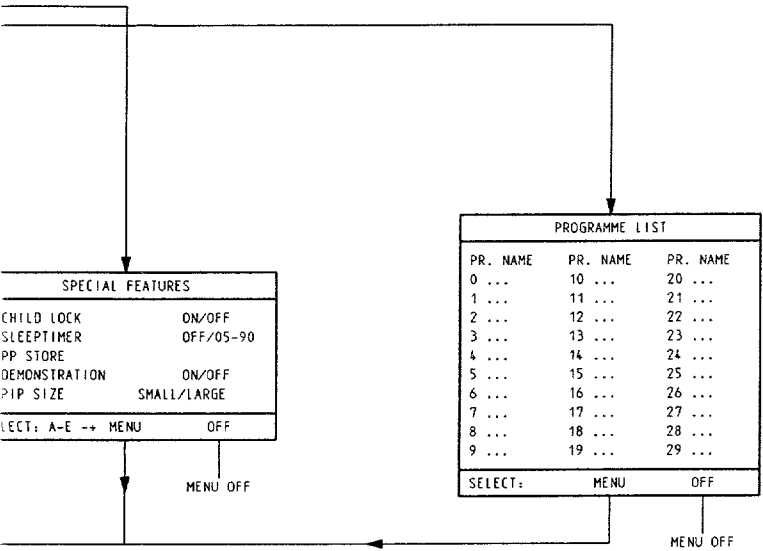
PPSTORE

CUT OFF ALIGNMENT		
A CUT OFF GREEN	***	
B CUT OFF BLUE	***	
SELECT: A-B -> MENU		OFF

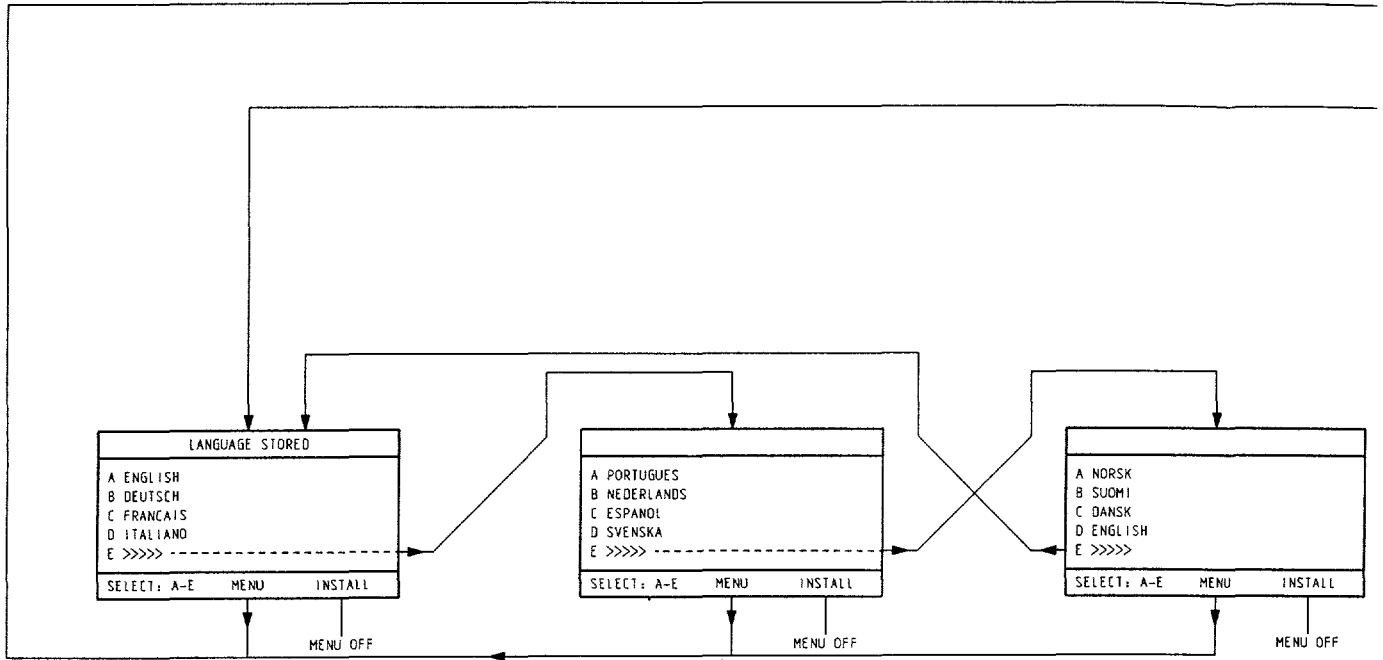
PPSTORE


SERVICE STO		
A OPTION ALIGNMENT		
B WHITE DRIVE ALIGNMENT		
C CUT OFF ALIGNMENT		
D STORE		
SELECT: A-D -> MENU		

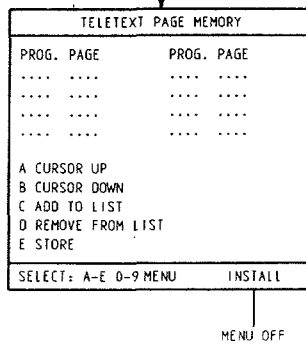
PPSTORE



9.8 CHASSIS FL1.1 Survey of menus FL1.7



INSTALLATION OF TXT
 ↓
 PRESS

 ↓
 ON REMOTE CONTROL
 ↓
 PRESS "INSTALL"
 ON THE CONTROL PANEL



INSTALLATION OF STATIONS

PRESS "INSTALL" ON THE LOCAL KEYBOARD

```

INSTALL
-----
A LANGUAGE
B INSTALLATION -----
C FAVOURITE
D PHOTO CD / CDI      YES/NO
-----
SELECT: A-D -->      INSTALL
    
```

MENU OFF

```

INSTALLATION
-----
A SYSTEM
B SEARCH
C PROGRAMME NUMBER
D PROGRAMME NAME -----
E STORE
-----
SELECT: A-E --> MENU  INSTALL
    
```

MENU OFF

```

SELECTING THE SYSTEM
-----
A WEST-EUROPE
B FRANCE
C USA
-----
SELECT: A-C  MENU  INSTALL
    
```

MENU OFF

```

SEARCHING
-----
A SYSTEM
B SEARCH
C PROGRAMME NUMBER
D PROGRAMME NAME
E STORE
-----
SELECT: A-E --> MENU  INSTALL
    
```

MENU OFF

```

NAMING THE
-----
PR. NAME   PR. NAME
0 ...     10 ...
. ...     . ...
9 ...     19 ...
-----
ABCDEFGHIJKLMNO
A A ← 9
B A → 9
C NEXT CHARACTER
D FINISH
-----
SELECT: A-D --> MENU
    
```

MENU OFF

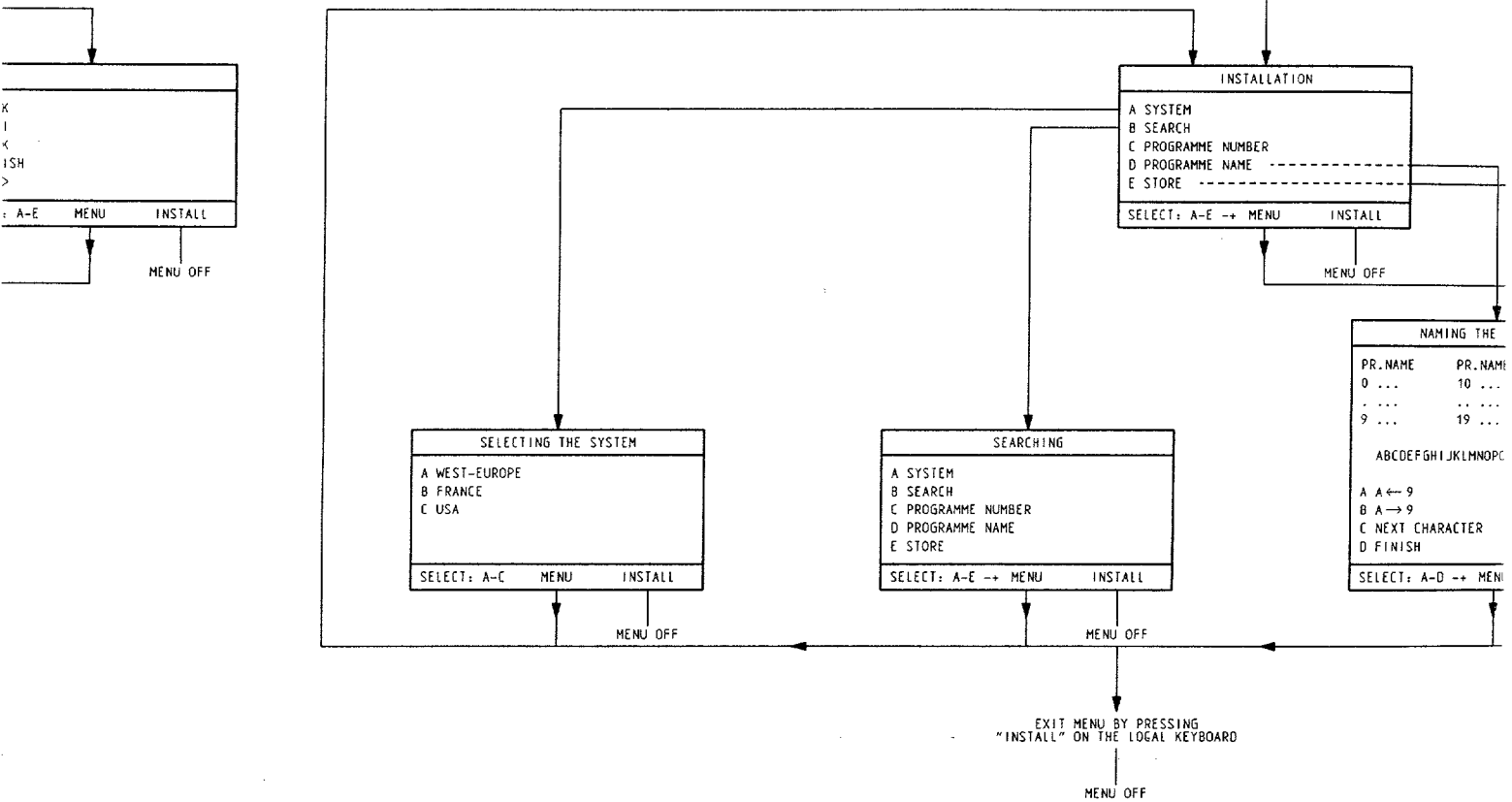
EXIT MENU BY PRESSING "INSTALL" ON THE LOCAL KEYBOARD

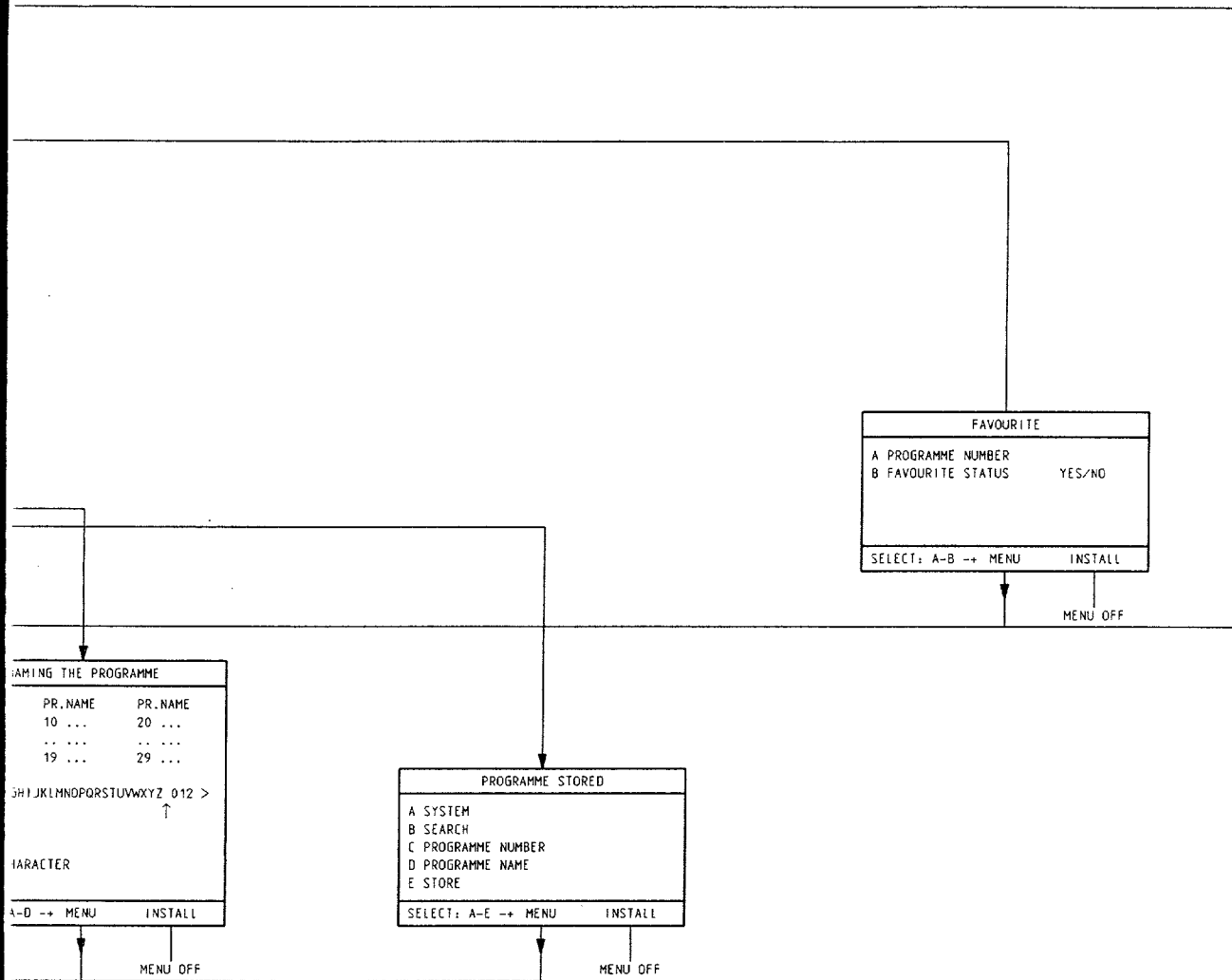
MENU OFF

```

K
I
<
ISH
>
-----
: A-E  MENU  INSTALL
    
```

MENU OFF





Large signal panel **A B G**

6373	4822 130 82583	LLZ-C9V1
6375	4822 130 80446	LL4148
6376	4822 130 80922	LLZ-C18
6376	4822 130 81143	BZV55-C20
6403	4822 130 80446	LL4148
6404	4822 130 80446	LL4148
6417	4822 130 81223	LLZ-C2V4
6440	4822 130 80446	LL4148
6441	4822 130 80446	LL4148
6451	5322 130 34834	BZX79-C3V6
6452	4822 130 42488	BYD33D
6465	4822 130 80446	LL4148
6466	4822 130 80446	LL4148
6480	4822 130 31554	BZX79-C4V3
6504	4822 130 42488	BYD33D
6506	4822 130 42488	BYD33D
6515	4822 130 80877	BAV103
6516	4822 130 80877	BAV103
6517	4822 130 42488	BYD33D
6519	4822 130 32896	BYD33M
6520	4822 130 32896	BYD33M
6526	4822 130 33531	BY229F-600
6527	4822 130 82966	MURF10150E
6529	4822 130 34329	BZX79-C43
6535	4822 130 82512	BYV29F-400
6536	4822 130 82758	BYV29F-300
6542	4822 130 30842	BAV21
6546	4822 130 80446	LL4148
6547	4822 130 80446	LL4148
6551	4822 130 34278	BZX79-B6V8
6553	4822 130 82334	BAS85
6601	4822 130 42488	BYD33D
6629	4822 130 80446	LL4148




7000	4822 209 73311	TDA1521Q/N4
7001	4822 209 73311	TDA1521Q/N4
7002	4822 209 83163	LM833N
7003	4822 130 61207	BC848
7005	5322 130 42136	BC848C
7006	5322 130 42136	BC848C
7007	4822 130 61207	BC848
7008	4822 130 61207	BC848
7009	4822 209 83163	LM833N
7010	5322 130 42012	BC858
7011	4822 209 63913	TDA1521AQ/N4
7012	4822 130 61207	BC848
7013	4822 130 61207	BC848
7201	5322 130 42756	BC857C
7216	4822 130 60851	2SC3973B
7216	4822 130 62735	BUT12AF
7241	4822 130 61003	BD944F
7242	5322 130 41981	BC848A
7243	5322 130 41981	BC848A
7250	4822 130 62509	BUX85F
7251	4822 130 61207	BC848
7268	4822 130 44121	BC338
7270	4822 130 40823	BD135
7272	4822 130 61207	BC848
7273	4822 130 42513	BC858C
7305	5322 130 42136	BC848C
7311	4822 130 42513	BC858C
7312	5322 130 44647	BC368
7312	4822 130 62955	ON4703-BD437
7318	4822 130 42615	BC817-40
7320	4822 130 82034	CNX83A



7321	4822 130 62742	BD943F
7360	5322 130 42756	BC857C
7369	5322 130 42755	BC847C
7370	5322 130 42755	BC847C
7371	4822 130 42513	BC858C
7380	4822 130 42513	BC858C
7381	5322 130 42136	BC848C
7384	5322 130 42755	BC847C
7385	5322 130 42136	BC848C
7400	4822 209 72363	TDA2579A/N8
7402	5322 130 42136	BC848C
7403	4822 130 42513	BC858C
7407	4822 130 61207	BC848
7417	4822 130 42513	BC858C
7444	5322 130 42136	BC848C
7445	5322 130 42136	BC848C
7450	4822 209 73308	TDA3654Q/N3
7451	5322 130 42012	BC858
7469	4822 130 44104	BC328
7480	4822 130 42513	BC858C
7481	5322 130 42136	BC848C
7504	4822 130 62934	2 x ON4673
7506	4822 130 62934	2 x ON4673
7512	4822 130 44196	BC548C
7513	5322 130 60068	BC558C
7530	4822 130 61233	BC857
7540	5322 130 42755	BC847C
7541	5322 130 42755	BC847C
7542	5322 130 42756	BC857C
7543	4822 130 60136	BC856
7550	4822 130 80669	BD643F
7601	4822 130 61207	BC848
7602	5322 130 42012	BC858
7603	5322 130 42012	BC858
7608	4822 130 44503	BC547C
7610	4822 130 60111	2SA1359
7616	4822 130 61207	BC848
7618	4822 130 61207	BC848

Small signal panel **C D F H**

	5455	4822 157 63065	0,68µH 20%
	5456	4822 157 63065	0,68µH 20%



6117	4822 130 80906	LLZ-F7V5
6120	4822 130 80446	LL4148
6121	4822 130 80446	LL4148
6163	4822 130 81226	LLZ-F33
6165	4822 130 80446	BAS32L
6166	4822 130 80446	BAS32L
6168	4822 130 80446	LL4148
6172	4822 130 80906	LLZ-C7V5
6173	4822 130 80446	LL4148
6178	4822 130 81222	LLZ-C15
6205	4822 130 80446	BAS32L
6206	4822 130 80446	BAS32L
6207	4822 130 80446	BAS32L
6256	4822 130 80446	BAS32L
6257	4822 130 80446	BAS32L
6280	4822 130 80446	LL4148
6281	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
6450	4822 130 81512	LLZ-C6V2
6465	4822 130 80446	LL4148
6478	4822 130 82345	LLZ-C22
6479	4822 130 80877	BAV103
6480	4822 130 82348	LLZ-F9V1
6610	4822 130 30621	1N4148
6660	4822 130 80446	LL4148
6661	4822 130 81223	LLZ-C2V4
6662	4822 130 80446	LL4148
6663	4822 130 81223	LLZ-C2V4
6664	4822 130 80446	LL4148
6665	4822 130 80446	LL4148



7119	5322 130 41982	BC848B
7120	5322 130 41982	BC848B
7121	4822 130 42513	BC858C
7365	4822 209 30837	TDA4650/V4/S1
7130	5322 130 42136	BC848C
7137	4822 209 71521	X2404
7175	5322 209 10883	PCF8574P
7176	4822 130 42513	BC858C
7177	4822 130 42513	BC858C
7178	5322 130 41982	BC848B
7182	5322 130 44743	BSR12
7183	5322 130 41982	BC848B
7186	4822 209 73852	PMBT2369
7188	4822 130 60511	BC847B
7193	4822 209 83163	LM833N
7193	4822 209 61115	LF353N
7216	4822 130 42615	BC817-40
7219	4822 209 63292	TEA6414
7243	5322 130 41983	BC858B
7244	5322 130 41982	BC848B
7258	5322 209 10421	HEF4094BP
7260	4822 130 42615	BC817-40
7261	5322 130 42136	BC848C
7265	5322 130 41982	BC848B
7268	4822 130 42615	BC817-40
7270	5322 130 41982	BC848B



7273	4822 130 42615	BC817-40
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 63901	TDA4568/V2
7326	5322 130 42136	BC848C
7338	5322 130 41982	BC848B
7350	5322 130 41982	BC848B
7360	4822 130 42615	BC817-40
7364	4822 209 30389	TDA4510/V8
7365	4822 209 30837	TDA4650/V4/S1
7366	4822 209 63108	TDA4660/V2
7390	4822 130 42513	BC858C
7395	4822 209 30394	TDA8443B/C1
7410	4822 209 73852	PMBT2369
7430	4822 209 63733	TDA4680/V5
7450	5322 130 42136	BC848C
7450	5322 130 42755	BC847C
7451	5322 130 42136	BC848C
7451	5322 130 42755	BC847C
7471	5322 130 42136	BC848C
7480	5322 130 44921	BD943
7492	5322 130 42136	BC848C
7600	4822 209 63967	TDA8417/V2
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 63734	TDA8425/V7
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 J



3600	4822 051 10103	10k 2% 0,25W
3601	4822 051 10103	10k 2% 0,25W
3602	4822 051 10101	100Ω 2% 0,25W
3603	4822 051 10101	100Ω 2% 0,25W
3604	4822 052 10158	1Ω5 5% 0,33W
3605	4822 051 10223	22k 2% 0,25W
3610	4822 100 11319	4k7 30% LIN
3611	4822 051 10332	3k3 2% 0,25W
3612	4822 051 10272	2k7 2% 0,25W
3613	4822 051 10103	10k 2% 0,25W
3614	4822 051 10123	12k 2% 0,25W
3615	4822 051 10822	8k2 2% 0,25W
3616	4822 116 52229	750Ω 5% 0,5W
3617	4822 051 10751	750Ω 2% 0,25W
3618	4822 052 10568	5Ω6 5% 0,33W
3619	4822 051 10471	470Ω 2% 0,25W
3620	4822 051 20222	2k2 5% 0,1W
3621	4822 051 10105	1M 5% 0,25W
3622	4822 051 10272	2k7 2% 0,25W
3624	4822 051 10272	2k7 2% 0,25W
3625	4822 051 10511	510Ω 2% 0,25W
3630	4822 051 10101	100Ω 2% 0,25W
3631	4822 051 10101	100Ω 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3633	4822 051 10104	100k 2% 0,25W
3634	4822 051 10104	100k 2% 0,25W
3635	4822 051 10562	5k6 2% 0,25W
3636	4822 051 10911	910Ω 2% 0,25W
3637	4822 051 20183	18k 5% 0,1W
3638	4822 051 10362	3k6 2% 0,25W
3997	4822 051 10479	47Ω 2% 0,25W

Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4005	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4009	4822 051 10008	0Ω 5% 0,25W
4011	4822 051 10008	0Ω 5% 0,25W
4012	4822 051 10008	0Ω 5% 0,25W
4013	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4015	4822 051 10008	0Ω 5% 0,25W
4016	4822 051 10008	0Ω 5% 0,25W
4017	4822 051 10008	0Ω 5% 0,25W
4018	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4020	4822 051 10008	0Ω 5% 0,25W
4021	4822 051 10008	0Ω 5% 0,25W
4022	4822 051 10008	0Ω 5% 0,25W
4024	4822 051 10008	0Ω 5% 0,25W
4025	4822 051 10008	0Ω 5% 0,25W
4026	4822 051 10008	0Ω 5% 0,25W
4027	4822 051 10008	0Ω 5% 0,25W
4028	4822 051 10008	0Ω 5% 0,25W
4029	4822 051 10008	0Ω 5% 0,25W
4046	4822 051 10008	0Ω 5% 0,25W
4048	4822 051 10008	0Ω 5% 0,25W
4049	4822 051 10008	0Ω 5% 0,25W
4403	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4410	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4418	4822 051 10008	0Ω 5% 0,25W
4419	4822 051 10008	0Ω 5% 0,25W

Jumpers

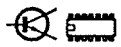
4420	4822 051 10008	0Ω 5% 0,25W
4421	4822 051 10008	0Ω 5% 0,25W
4631	4822 051 10008	0Ω 5% 0,25W
4632	4822 051 10008	0Ω 5% 0,25W
4633	4822 051 10008	0Ω 5% 0,25W
4634	4822 051 10008	0Ω 5% 0,25W



5118	4822 157 60435	10,3μH 6%
5155	4822 157 60433	7,2μH 6%
5157	4822 157 60434	9,4μH 6%
5170	4822 157 60432	10,3μH
5175	4822 157 60432	10,3μH
5190	4822 157 60432	10,3μH
5400	4822 157 50943	12μH 10%
5402	4822 157 50943	12μH 10%
5403	4822 157 52333	100μH
5406	4822 157 50943	12μH 10%
5408	4822 157 50943	12μH 10%
5410	4822 157 50943	12μH 10%








6300	4822 130 80906	LLZ-C7V5
6301	4822 130 80446	LL4148



7103	5322 130 41982	BC848B
7105	5322 130 41982	BC848B
7125	4822 209 63927	TDA4554/V1
7126	4822 209 30389	TDA4510/V8
7200	5322 130 41982	BC848B
7210	5322 130 41982	BC848B
7233	5322 130 41982	BC848B
7234	5322 130 41982	BC848B
7235	5322 130 41982	BC848B
7330	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
7381	5322 130 42012	BC858
7385	5322 130 42012	BC858
7387	5322 130 42012	BC858
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 63644	SDA9086-3
7610	4822 209 30393	TDA8349A/N2
7630	4822 209 30395	SAA1300AQ/N6
7755	4822 209 72363	TDA2579A/N8

Picture tube panel **E**

Connectors			
4822 265 20509	2P male grey	3733	4822 052 10189 18Ω 5% 0,33W
4822 265 40596	2P male	3734	4822 051 10114 110k 2% 0,25W
4822 267 40985	6P male black	3735	4822 051 10103 10k 2% 0,25W
4822 290 40295	7P male grey	3736	4822 051 10333 33k 2% 0,25W
<hr/>		3737	4822 051 10203 20k 2% 0,25W
Various parts		3738	4822 116 52304 82k 5% 0,5W
4822 492 70788	spring fix IC	3739	4822 116 52188 27Ω 5% 0,5W
4822 255 70261	picture tube socket	3739	4822 116 52193 39Ω 5% 0,5W
1030	4822 212 23711 PTP 25"-28"	3740	4822 051 10114 110k 2% 0,25W
1030	4822 212 23953 PIP 33"	3741	4822 051 10124 120k 2% 0,25W
<hr/>		3742	4822 051 10333 33k 2% 0,25W
		3743	4822 051 10333 33k 2% 0,25W
2700	4822 122 33496 100nF 10% 63V	3761	4822 051 10152 1k5 2% 0,25W
2701	4822 122 32507 6,8pF 5% 50V	3761	4822 051 10332 3k3 2% 0,25W
2703	4822 122 33125 180pF 10% 63V	<hr/>	
2704	4822 124 42182 3,3μF 20% 250V	Jumpers	
2705	4822 124 40272 33μF 20% 16V	4701	4822 051 10008 0Ω 5% 0,25W
2706	4822 122 31797 22nF 10% 63V	4702	4822 051 10008 0Ω 5% 0,25W
2707	4822 121 51562 33nF 10% 1600V	4703	4822 051 10008 0Ω 5% 0,25W
<hr/>		4709	4822 051 10008 0Ω 5% 0,25W
2708	5322 122 31842 330pF 5% 63V	4714	4822 051 10008 0Ω 5% 0,25W
2709	4822 122 31825 27pF 10% 50V	4743	4822 051 10008 0Ω 5% 0,25W
2710	4822 122 31774 56pF 5% 50V	<hr/>	
2711	4822 122 32507 6,8pF 5% 50V		
2712	4822 126 11175 22pF 5% 50V	5700	4822 157 60155 33μH 7,5%
2713	4822 121 41156 68nF 10% 250V	5701	4822 157 60155 33μH 7,5%
2715	4822 121 41156 68nF 10% 250V	<hr/>	
2716	4822 122 31797 22nF 10% 63V		
2717	4822 121 41156 68nF 10% 250V	6700	4822 130 80879 LLZ-C3V0
2720	4822 122 31774 56pF 5% 50V	6701	4822 130 80877 BAV103
2721	4822 122 32507 6,8pF 5% 50V	6702	4822 130 80877 BAV103
2726	4822 122 31797 22nF 10% 63V	6703	4822 130 80877 BAV103
2730	4822 122 31774 56pF 5% 50V	6704	4822 130 80877 BAV103
2731	5322 122 31647 1nF 10% 63V	6705	4822 130 80877 BAV103
2741	5322 122 31647 1nF 10% 63V	6706	4822 130 80877 BAV103
2751	5322 122 31647 1nF 10% 63V	6707	4822 130 82345 LLZ-C22
2760	4822 122 31174 2,7nF 10% 500V	6708	4822 130 30842 BAV21
<hr/>		6709	4822 130 30842 BAV21
		6711	4822 130 30842 BAV21
3537	4822 052 11128 1Ω 5% 0,5W	6712	4822 130 80877 BAV103
3700	4822 051 10182 1k8 2% 0,25W	6713	4822 130 80877 BAV103
3701	4822 051 10101 100Ω 2% 0,25W	6714	4822 130 32896 BYD33M
3702	4822 051 10102 1k 2% 0,25W	6715	4822 130 82969 BZD23-C24
3704	4822 051 10272 2k7 2% 0,25W	<hr/>	
3705	4822 051 10332 3k3 2% 0,25W		
3706	4822 050 21504 150k 1% 0,6W	7704	4822 130 60373 BC856B
3708	4822 111 50518 1k5 5% 0,5W	7705	4822 209 63898 TDA6111Q/N1
3710	4822 051 10008 0Ω 5% 0,25W	7705	4822 209 30417 TDA6111Q/N2
3711	4822 051 10101 100Ω 2% 0,25W	7706	4822 209 63898 TDA6111Q/N1
3712	4822 051 10272 2k7 2% 0,25W	7706	4822 209 30417 TDA6111Q/N2
3714	4822 051 10272 2k7 2% 0,25W	7707	4822 209 63898 TDA6111Q/N1
3715	4822 051 10332 3k3 2% 0,25W	7707	4822 209 30417 TDA6111Q/N2
3716	4822 050 21504 150k 1% 0,6W	7708	4822 130 41646 BF423
3718	4822 111 50518 1k5 5% 0,5W	7709	4822 130 41646 BF423
3719	4822 051 10008 0Ω 5% 0,25W	7710	4822 130 41646 BF423
3720	4822 051 10823 82k 2% 0,25W	<hr/>	
3721	4822 051 10101 100Ω 2% 0,25W		
3724	4822 051 10272 2k7 2% 0,25W		
3725	4822 051 10332 3k3 2% 0,25W		
3726	4822 050 21204 120k 1% 0,6W		
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		

NICAM sound module **K**

Connectors

4822 265 41087 9P male

Various parts

1001 4822 242 81128 cryst. 17.470MHz
 1002 4822 242 72301 filter TH316BOM - 20800DAF
 1002 4822 242 72303 filter TH316BQM
 1003 4822 242 81126 cryst. 11.170MHz
 1003 4822 242 81127 cryst. 13.100MHz
 1106 4822 242 72303 filter TH316BQM
 1600 4822 212 23907 NICAM PAL BG
 1600 4822 212 23908 NICAM PAL I

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2000 4822 122 31947 100nF 20% 63V
 2001 4822 124 40433 47µF 20% 25V
 2002 4822 122 31797 22nF 10% 63V
 2003 4822 122 31797 22nF 10% 63V
 2004 4822 122 31768 180pF 5% 50V
 2005 4822 122 31768 180pF 5% 50V
 2006 5322 122 31842 330pF 5% 63V
 2007 4822 122 32597 6,8nF 10% 63V
 2008 4822 122 31808 150pF 10% 50V
 2009 4822 122 32442 10nF 50V
 2010 4822 122 31808 150pF 10% 50V
 2011 4822 122 31766 120pF 5% 50V
 2012 4822 121 41854 150nF 5% 63V
 2013 4822 122 31746 1000pF 5% 50V
 2014 4822 122 32442 10nF 50V
 2015 4822 125 50045 20pF trim.
 2016 4822 122 31961 68pF 5% 63V
 2017 4822 121 42408 220nF 5% 63V
 2018 4822 122 32442 10nF 50V
 2019 4822 122 31797 22nF 10% 63V
 2020 4822 124 40433 47µF 20% 25V
 2021 4822 122 31782 15nF 10% 50V
 2021 4822 122 32856 8,2nF 10% 63V
 2022 4822 122 31981 33nF ±0,5pF 50V
 2022 4822 122 31759 18nF
 2023 4822 122 31981 33nF ±0,5pF 50V
 2023 4822 122 31759 18nF
 2024 4822 122 31782 15nF 10% 50V
 2024 4822 122 32856 8,2nF 10% 63V
 2025 4822 122 31797 22nF 10% 63V
 2026 4822 124 40433 47µF 20% 25V
 2027 4822 122 31773 560pF 5% 50V
 2028 4822 126 10171 2,7nF 5% 50V
 2029 4822 122 32999 2,2nF 5% 50V
 2030 4822 122 32999 2,2nF 5% 50V
 2031 4822 126 10171 2,7nF 5% 50V
 2032 4822 122 31773 560pF 5% 50V
 2033 4822 126 11492 220nF 10% 63V
 2034 4822 126 11492 220nF 10% 63V
 2035 4822 122 31746 1000pF 5% 50V
 2036 4822 122 32442 10nF 50V
 2037 4822 122 32442 10nF 50V
 2038 4822 122 31797 22nF 10% 63V
 2039 4822 126 11691 150nF 10% 63V
 2040 4822 122 33669 150nF 20% 50V
 2041 5322 122 31647 1nF 10% 63V
 2042 4822 126 10183 330pF 10% 63V
 2043 5322 122 31647 1nF 10% 63V
 2044 5322 122 31647 1nF 10% 63V
 2050 4822 124 40433 47µF 20% 25V

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2051 5322 122 31647 1nF 10% 63V
 2245 5322 122 31647 1nF 10% 63V
 2246 5322 122 31647 1nF 10% 63V

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3000 4822 051 10471 470Ω 2% 0,25W
 3002 4822 051 10332 3k3 2% 0,25W
 3003 4822 051 10332 3k3 2% 0,25W
 3004 4822 051 10104 100k 2% 0,25W
 3005 4822 051 10823 82k 2% 0,25W
 3007 4822 051 10223 22k 2% 0,25W
 3008 4822 051 10223 22k 2% 0,25W
 3009 4822 051 10392 3k9 2% 0,25W
 3010 4822 051 10104 100k 2% 0,25W
 3011 4822 051 10104 100k 2% 0,25W
 3012 4822 053 20106 10M 5% 0,25W
 3013 4822 051 10824 820k 2% 0,25W
 3014 4822 051 10103 10k 2% 0,25W
 3015 4822 051 10682 6k8 2% 0,25W
 3015 4822 051 10123 12k 2% 0,25W
 3016 4822 051 10122 1k2 2% 0,25W
 3016 4822 051 20222 2k2 5% 0,1W
 3017 4822 051 10122 1k2 2% 0,25W
 3017 4822 051 20222 2k2 5% 0,1W
 3018 4822 051 10682 6k8 2% 0,25W
 3018 4822 051 10123 12k 2% 0,25W
 3019 4822 051 10752 7k5 2% 0,25W
 3019 4822 051 10562 5k6 2% 0,25W
 3020 4822 051 10472 4k7 2% 0,25W
 3021 4822 051 10472 4k7 2% 0,25W
 3022 4822 051 10472 4k7 2% 0,25W
 3023 4822 051 10472 4k7 2% 0,25W
 3024 4822 051 10184 180k 2% 0,25W
 3025 4822 051 10184 180k 2% 0,25W
 3026 4822 051 10101 100Ω 2% 0,25W
 3027 4822 051 10101 100Ω 2% 0,25W
 3028 4822 051 10103 10k 2% 0,25W
 3029 4822 052 10109 10Ω 5% 0,33W
 3030 4822 051 10102 1k 2% 0,25W
 3031 4822 051 10102 1k 2% 0,25W
 3032 4822 051 10569 56Ω 2% 0,25W
 3033 4822 051 20222 2k2 5% 0,1W
 3034 4822 051 10431 430Ω 2% 0,25W
 3035 4822 051 10241 240Ω 2% 0,25W
 3036 4822 051 10102 1k 2% 0,25W
 3037 4822 051 10159 15Ω 2% 0,25W
 3049 4822 051 10223 22k 2% 0,25W
 3050 4822 051 10103 10k 2% 0,25W
 3099 4822 051 10101 100Ω 2% 0,25W
 3099 4822 116 90536 120Ω 1% 0,125W

Jumpers

4002 4822 051 10008 0Ω 5% 0,25W
 4003 4822 051 10008 0Ω 5% 0,25W
 4005 4822 051 10008 0Ω 5% 0,25W
 4052 4822 051 10008 0Ω 5% 0,25W
 4053 4822 051 10008 0Ω 5% 0,25W
 4054 4822 051 10008 0Ω 5% 0,25W
 4055 4822 051 10008 0Ω 5% 0,25W
 4100 4822 051 10008 0Ω 5% 0,25W

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5000 4822 157 50975 1mH 10%
 5001 4822 157 50975 1mH 10%
 5002 4822 157 51235 4,7µH 10%
 5003 4822 157 51235 4,7µH 10%

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6000 4822 130 30621 1N4148
 6005 4822 209 30911 OF4076
 6006 5322 130 31684 BB809
 6050 4822 130 80446 LL4148

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7000 4822 209 30909 TDA8732/C1
 7001 4822 209 30914 SAA7280/M3
 7002 4822 209 83163 LM833N
 7003 4822 209 83163 LM833N
 7004 5322 209 10576 4053B
 7007 4822 209 73236 TDA1543/N2
 7008 5322 130 42755 BC847C
 7009 4822 130 60887 BF840
 7050 5322 130 42136 BC848C

Y/C detector I

Connectors

4822 265 40503 5P female gold
4822 265 30431 3P female gold

Various parts

1231 4822 242 80364 filter 4,43MHz



2225 4822 124 40196 220µF 20% 16V
2226 4822 122 32927 220nF
2228 4822 122 32927 220nF
2235 4822 122 31965 220pF 5% 63V
2236 4822 122 31772 47pF 5% 50V
2237 4822 122 32142 270pF 5% 63V
2238 4822 122 31768 180pF 5% 50V
2239 4822 122 31947 100nF 20% 63V
2244 4822 124 20722 1µF 10% 63V
2246 4822 122 31947 100nF 20% 63V
2247 4822 122 31766 120pF 5% 50V
2261 4822 124 20678 47µF 10% 10V
2262 4822 122 31808 150pF 10% 50V
2269 4822 124 20726 4,7µF 10% 63V



3200 4822 050 11002 1k 1% 0,4W
3201 4822 116 83006 2M7 5% 0,5W
3203 4822 051 10563 56k 2% 0,25W
3204 4822 051 10103 10k 2% 0,25W
3212 4822 051 10751 750Ω 2% 0,25W
3213 4822 051 10008 0Ω 5% 0,25W
3213 4822 051 10153 15k 2% 0,25W
3214 4822 051 10153 15k 2% 0,25W
3221 4822 051 10472 4k7 2% 0,25W
3223 4822 116 52203 91Ω 5% 0,5W
3225 4822 116 52219 330Ω 5% 0,5W
3226 4822 116 52243 1k5 5% 0,5W
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 051 10102 1k 2% 0,25W
3231 4822 051 10681 680Ω 2% 0,25W
3236 4822 051 10331 330Ω 2% 0,25W
3250 4822 051 10151 150Ω 2% 0,25W
3258 4822 051 10102 1k 2% 0,25W
3272 4822 051 10471 470Ω 2% 0,25W
3278 4822 051 10472 4k7 2% 0,25W
3280 4822 051 10102 1k 2% 0,25W
3282 4822 051 10103 10k 2% 0,25W
3283 4822 051 10472 4k7 2% 0,25W
3284 4822 051 10102 1k 2% 0,25W
3289 4822 051 10102 1k 2% 0,25W
3302 4822 051 10102 1k 2% 0,25W
3307 4822 051 10474 470k 2% 0,25W
3308 4822 051 10471 470Ω 2% 0,25W
3309 4822 051 10008 0Ω 5% 0,25W
3319 4822 051 10102 1k 2% 0,25W



5200 4822 157 62824 7,5µH
5201 4822 157 62824 7,5µH
5202 4822 157 60122 4,7µH 10%



6258 4822 130 80905 LLZ-F5V1



7226 5322 130 41983 BC858B
7228 5322 130 41982 BC848B
7262 5322 130 41983 BC858B
7263 5322 130 41982 BC848B
7264 4822 130 42353 BFS19
7266 5322 130 42136 BC848C
7267 4822 130 42513 BC858C
7274 5322 130 42136 BC848C
7275 4822 130 42513 BC858C
7276 5322 130 41983 BC858B
7277 5322 130 41982 BC848B
7278 5322 130 41982 BC848B