Colour television

Chassis

Service
Service
Service

FL 1.6

AA

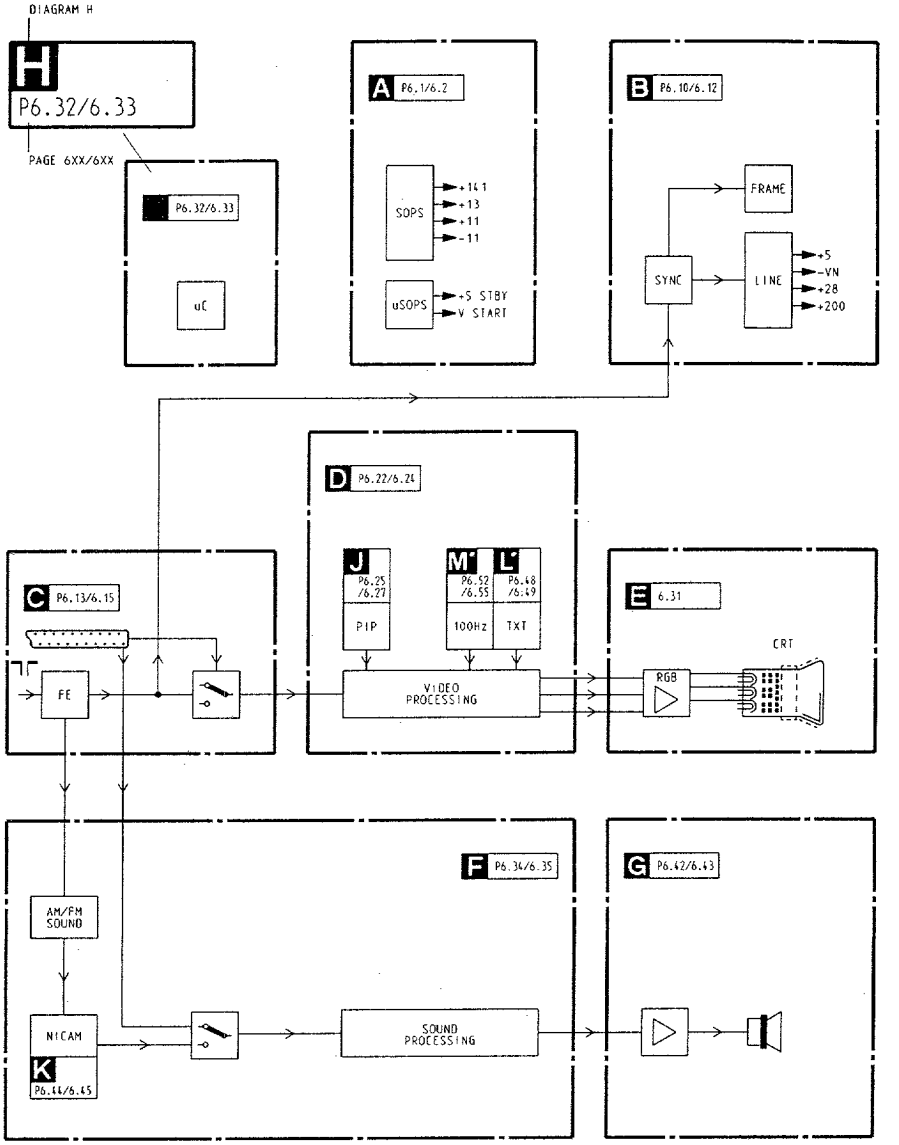
Service Manual

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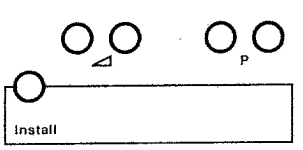
Block diagram



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 mV
Pull-in range colour synchronization	: +300 Hz/-300 Hz
Pull-in range horizontal synchronization	: +200 Hz/-300Hz
Programmes	: PRO-PR59
VCR programmes	: PRO, 00, 50 - 59

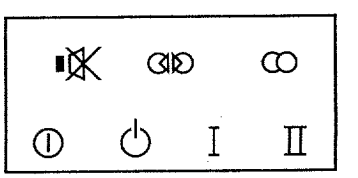
Local operation functions:



CL. 26532055/021
040592

Indications:

- On Screen Display (OSD)
- LED:

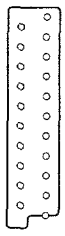


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Connection facilities

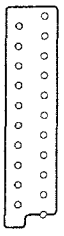
1. Specification of the connectors

EXT1 (AUX)



1 -Audio ⊖→ R(0,5V RMS ≤ 1kΩ)
2 -Audio ⊖← R(0,5V RMS ≥ 10kΩ)
3 -Audio ⊖→ L(0,5V RMS ≤ 1kΩ)
4 -Audio ⊥
5 -Blue ⊥
6 -Audio ⊖← L(0,5V RMS ≥ 10kΩ)
7 -Blue (0,7V_{pp}/75Ω)
8 -CVBS-status ⊖← 0-2V: int
4,5-7V: ext 16:9
9,5-12V: ext 4:3
9 -Green ⊥
10 --
11 -Green (0,7V_{pp}/75Ω)
12 --
13 -Red ⊥
14 -RGB-status ⊥
15 -Red (0,7V_{pp}/75Ω)
16 -RGB-status (0-0,4V: int. 1-3V ext. 75Ω
17 -CVBS ⊥
18 -CVBS ⊥
19 -CVBS ⊖→ (1V_{pp}/75Ω)
20 -CVBS ⊖← (1V_{pp}/75Ω)
21 -Earthscreen

EXT2 (VCR)



1 -Audio ⊖→ R(0,5V RMS ≤ 1kΩ)
2 -Audio ⊖← R(0,5V RMS ≥ 10kΩ)
3 -Audio ⊖→ L(0,5V RMS ≤ 1kΩ)
4 -Audio ⊥
5 -
6 -Audio ⊖← L(0,5V RMS ≥ 10kΩ)
7 --
8 -CVBS-status ⊖← 0-2V: int
4,5-7V: ext 16:9
9,5-12V: ext 4:3
9 --
10 --
11 --
12 --
13 --
14 --
15 -C ⊖← (0,3V_{pp}/75Ω)
16 --
17 -CVBS ⊥
18 -CVBS ⊥
19 -CVBS ⊖← (1V_{pp}/75Ω)
20 -Y ⊖← (1V_{pp}/75Ω)
21 -Earthscreen

EXT3 (front)

SVHS
1 - ⊥
2 - ⊥
3 - Y ⊖← (1V_{pp}; 75Ω)
4 - C ⊖← (0,3V_{pp}; 75Ω)

◎ CINCH Video ⊖← 300mV_{pp}/75Ω
◎ CINCH Audio ⊖← L(0,2 - 2V RMS; ≥ 10kΩ)
◎ CINCH Audio ⊖← R(0,2 - 2V RMS; ≥ 10kΩ)

3.5mm 32-2000Ω ≥ 10mW

Audio out (rear)

◎ CINCH Audio ⊖→ L(0,5V RMS; ≤ 1kΩ)
◎ CINCH Audio ⊖→ R(0,5V RMS; ≤ 1kΩ)

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

EXT2 (SVHS) (rear)

SVHS
1 - ⊥
2 - ⊥
3 - Y ⊖← (1V_{pp}; 75Ω)
4 - C ⊖← (0,3V_{pp}; 75Ω)

◎ CINCH Audio ⊖← L(0,2 - 2V RMS; ≥ 10kΩ)
◎ CINCH Audio ⊖← R(0,2 - 2V RMS; ≥ 10kΩ)

SVHS
1 - ⊥
2 - ⊥
3 - Y ⊖→ (1V_{pp}; 75Ω)
4 - C ⊖→ (0,3V_{pp}; 75Ω)

◎ CINCH Audio ⊖→ L(0,2 - 2V RMS; ≤ 1kΩ)
◎ CINCH Audio ⊖→ R(0,2 - 2V RMS; ≤ 1kΩ)

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.

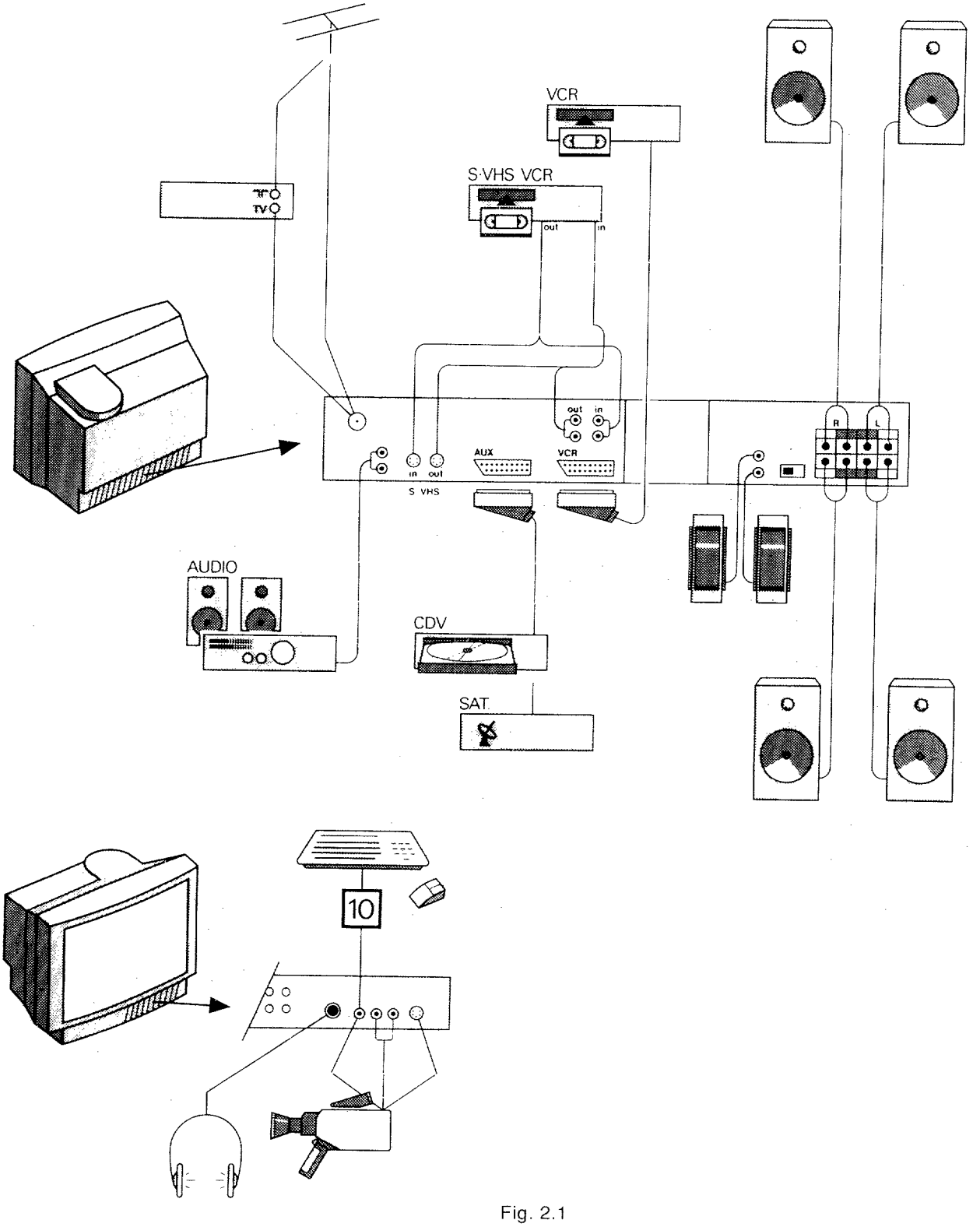


Fig. 2.1

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. 3.1 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 OV (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. 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. 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 -11 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 (⊥), or hot earth (⊥ϟ) 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 (⊓⊓) and without aerial signal (⊁) Voltages in the power supply section are measured both for normal operation (⏻) and in standby (⏻). These values are indicated by means of the appropriate symbols.

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

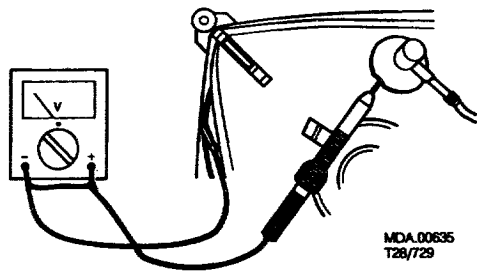


Fig. 3.1

4.1 CHASSIS FL1.6 Mechanical instructions

1. Removing the back plate
(Fig. 4.1)

Remove cover A from the back plate.
Remove connector B (LI36) of the subwoofer.
Remove attachment screws C from the back plate.
Remove the back plate with the subwoofer fitted in it. Attach the back plate by carrying out the above in the reverse order.

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.

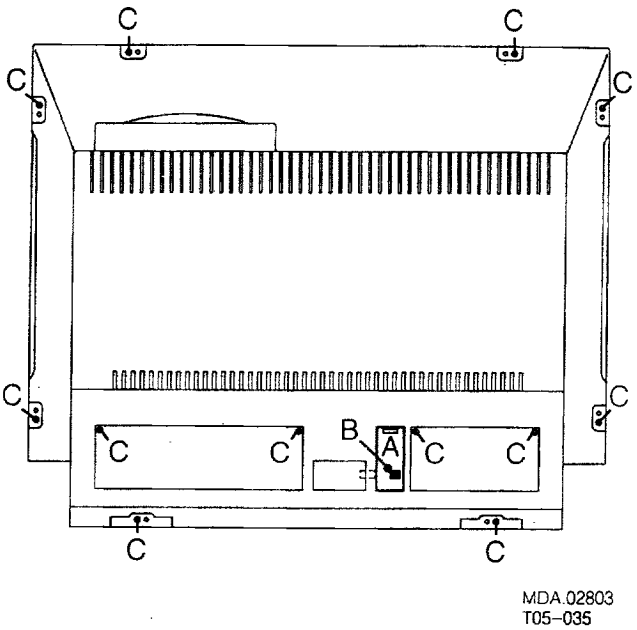


Fig. 4.1

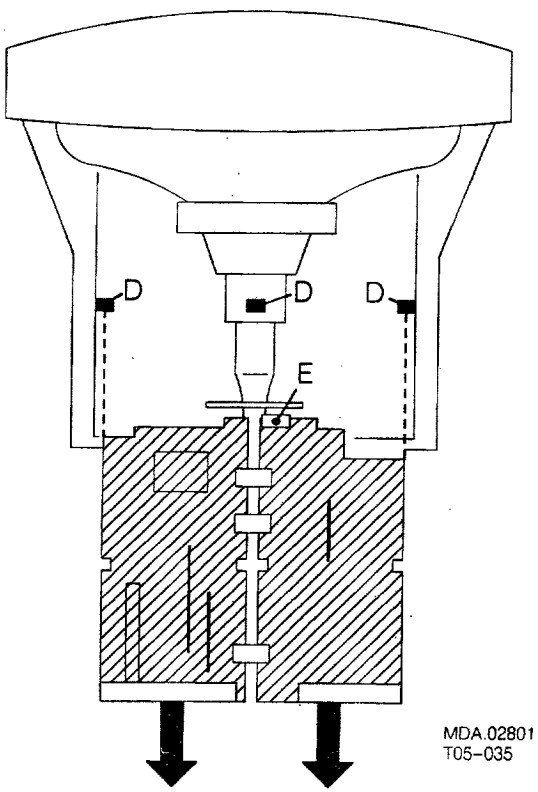


Fig. 4.2

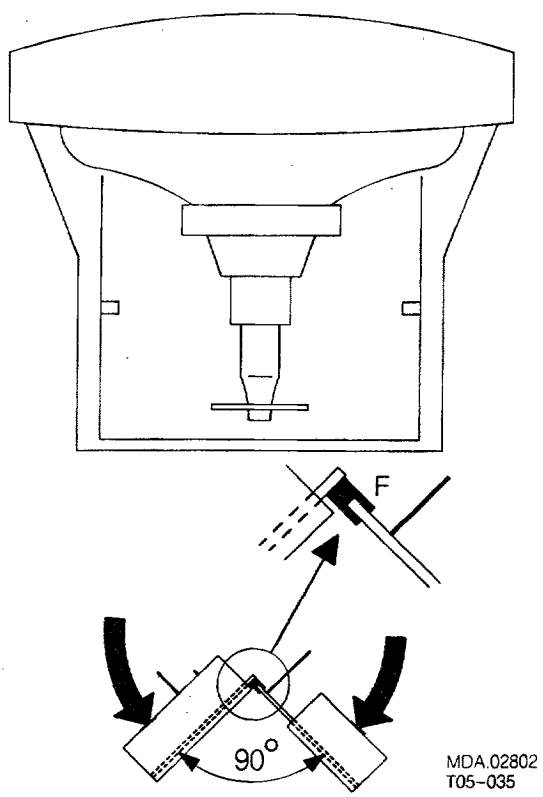
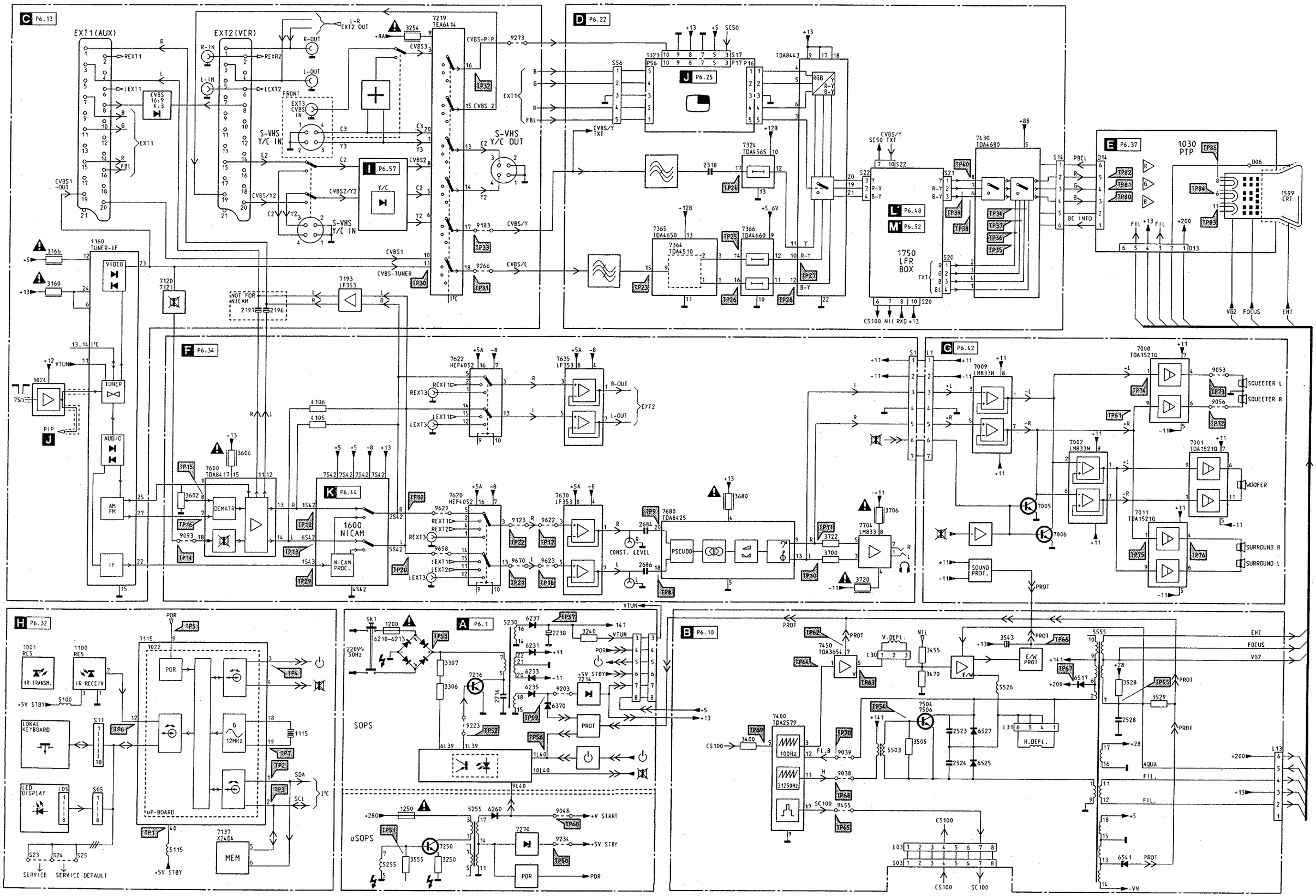
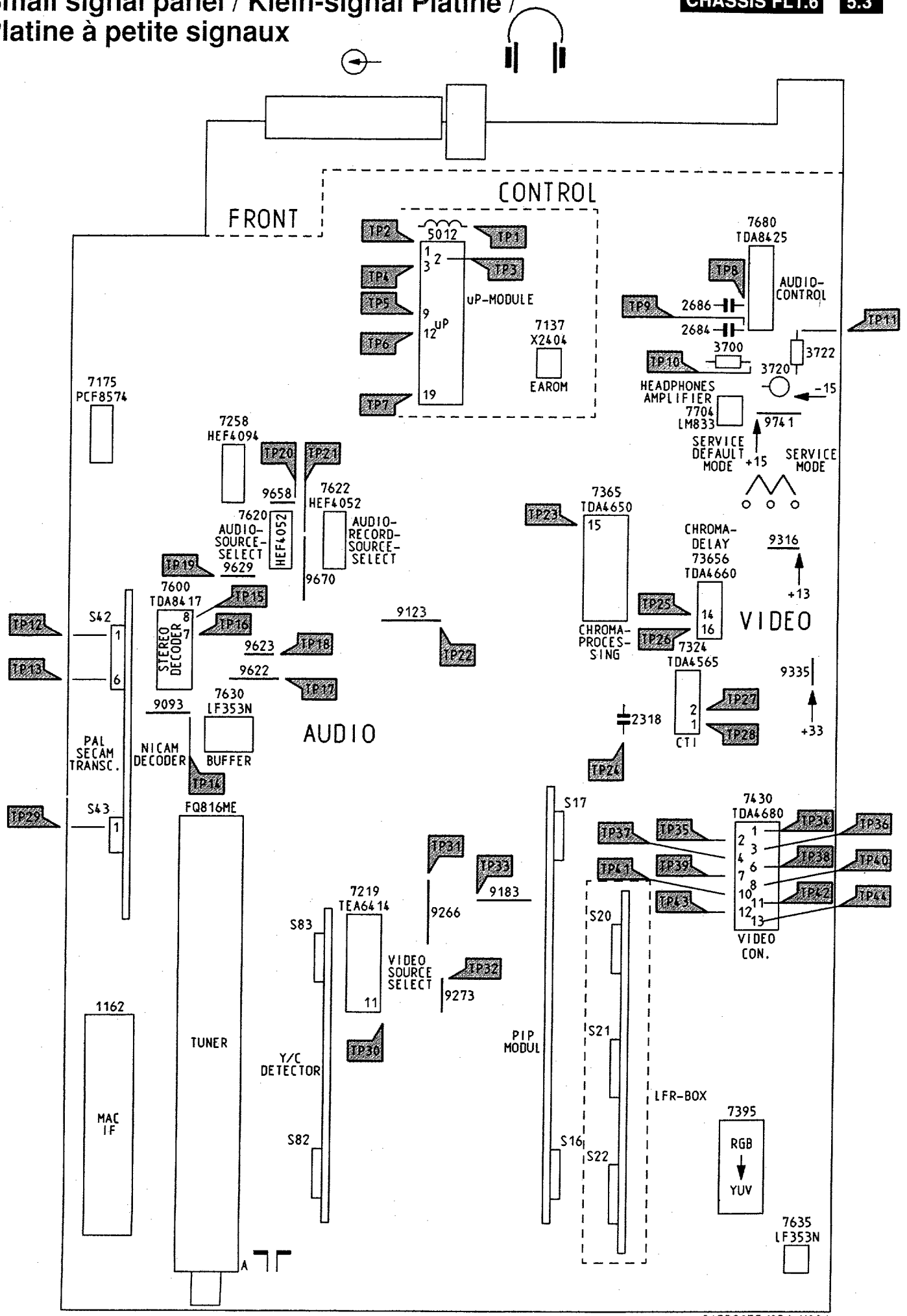


Fig. 4.3

Blockdiagram / Blockschaltbild / CHASSIS FL1.6 5.1 5.2 CHASSIS FL 1.6 Diagramme schématique

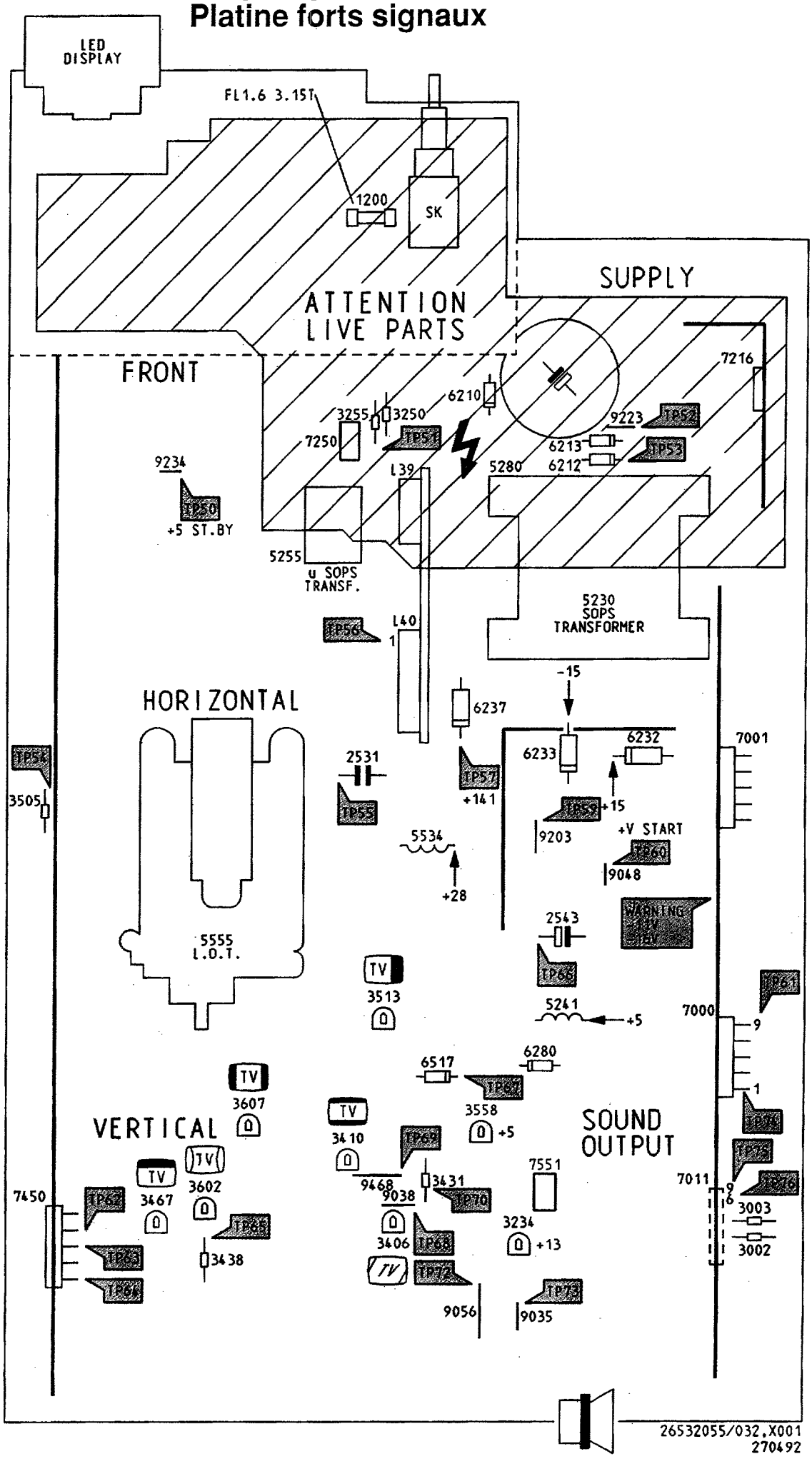


Small signal panel / Klein-signal Platine / Platine à petite signaux

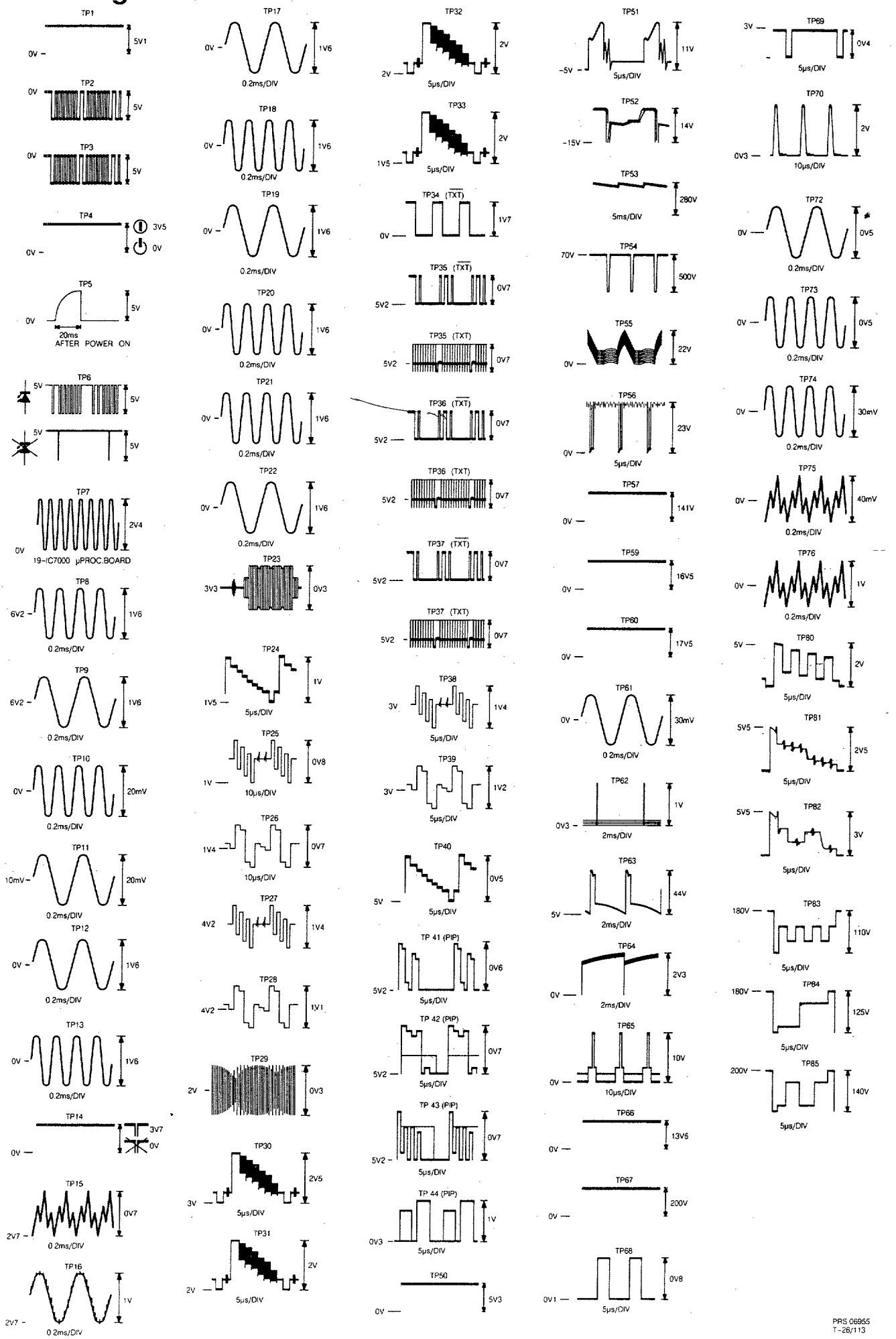


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270492

Large signal panel / Groß-signal Platine / Platine forts signaux



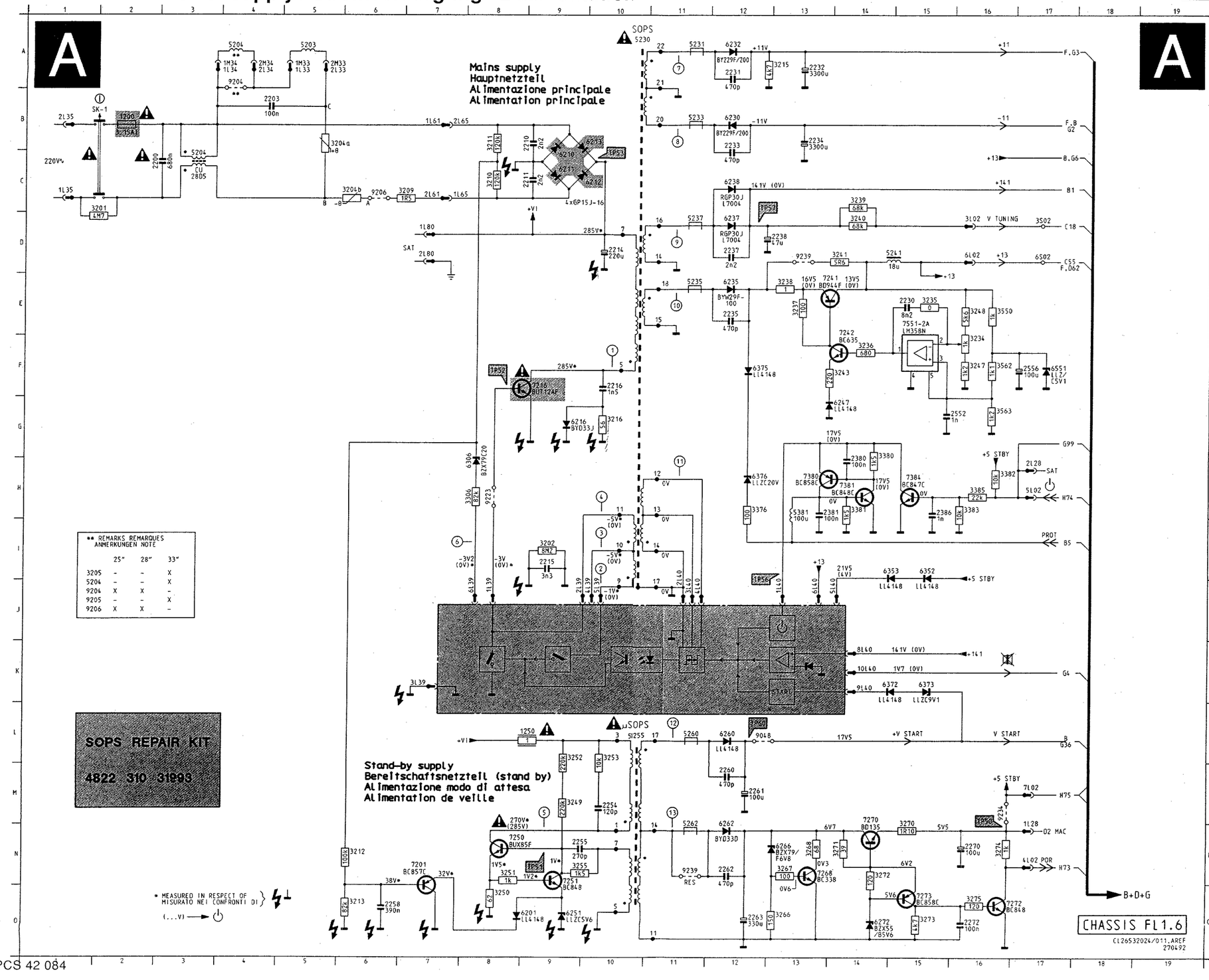
Oscillograms



PRS 06955
T-26/113

PCS 42 083

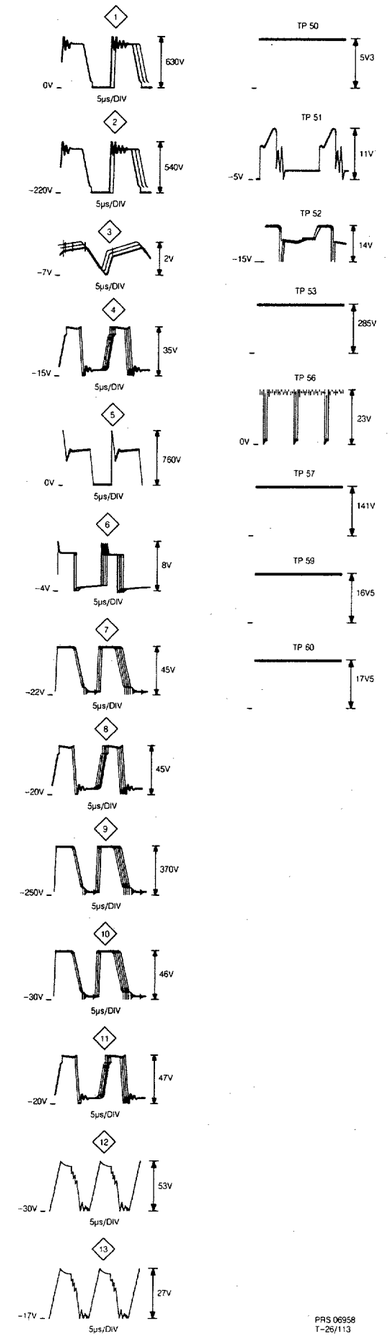
6.1 CHASSIS FL1.6 Power supply / Stromversorgung / L'alimentation



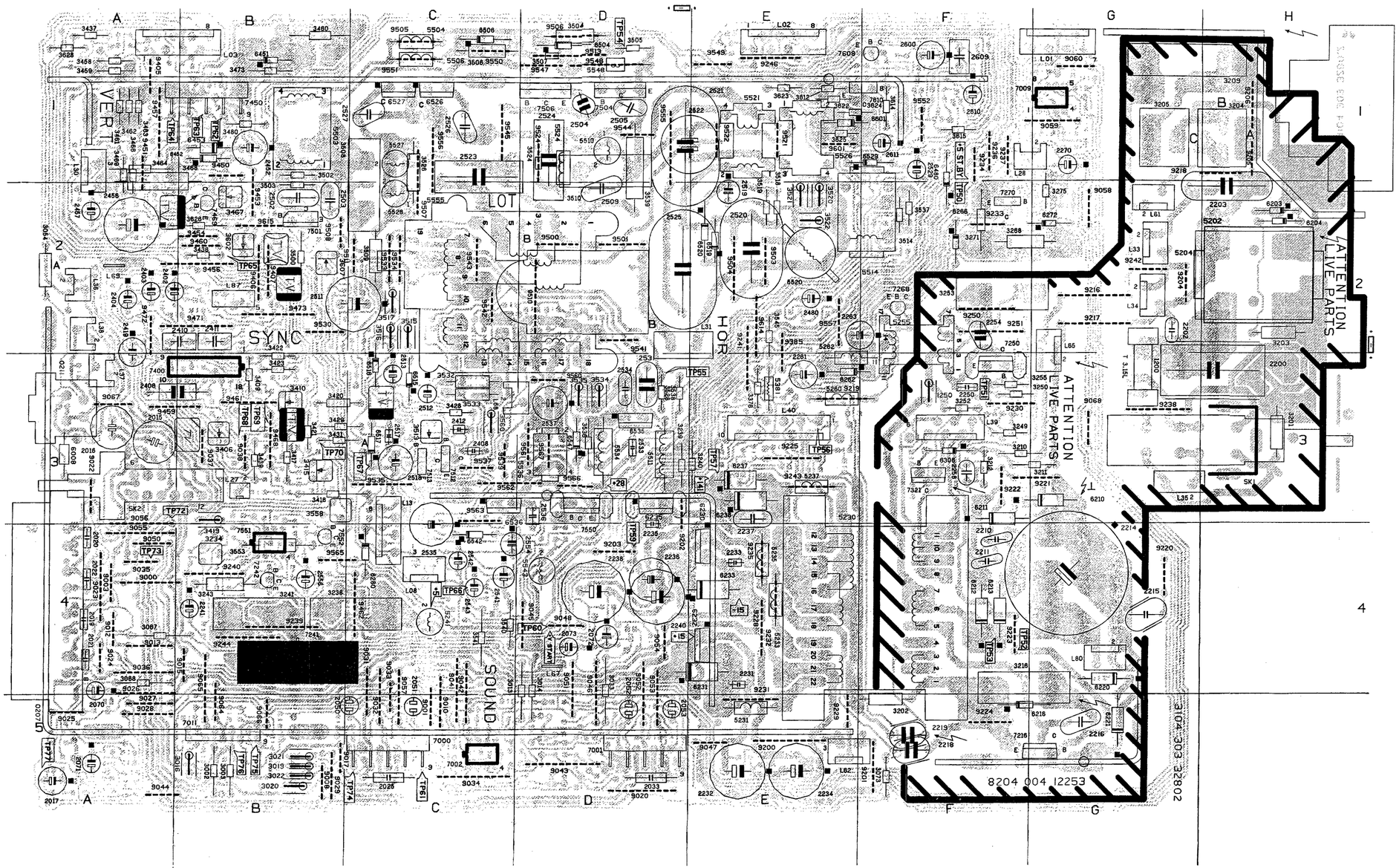
CHASSIS FL1.6 6.2

	1200	B 2	6551	F17
	1250	L 9	7201	N 7
	2200	C 2	7216	F 9
	2203	B 4	7241	E13
A	2210	B 9	7242	F14
	2211	C 9	7250	N 8
	2214	D10	7251	N 9
	2215	I 9	7268	N13
	2216	F10	7270	M14
	2230	E15	7272	O16
	2231	A12	7273	O15
	2232	A13	7380	H13
B	2233	B12	7381	H14
	2234	B13	7384	H15
	2235	E12	7551	E15
	2237	D12	9048	L12
	2238	D12	9204	A 4
	2254	M10	9206	C 6
C	2255	N 9	9223	H 8
	2258	O 6	9234	M16
	2260	M12	9239	N11
	2261	M12	9239	D13
	2262	N12		
	2263	O12		
	2270	N16		
	2272	O16		
	2380	H14		
D	2381	H13		
	2386	H15		
	2552	G15		
	2556	F17		
	3201	C 1		
	3202	I 9		
	3204	C 6		
	3204	B 5		
E	3209	C 7		
	3210	C 8		
	3211	B 8		
	3212	N 6		
	3213	O 6		
	3215	A13		
	3216	G10		
F	3234	E16		
	3235	E15		
	3236	F14		
	3237	E13		
	3238	E13		
	3239	C14		
	3240	D14		
	3241	D14		
G	3243	F14		
	3247	F16		
	3248	E16		
	3249	M 9		
	3250	O 8		
	3251	N 8		
	3252	L 9		
	3253	L10		
H	3255	N 9		
	3266	O13		
	3267	N13		
	3268	N13		
	3270	N15		
	3271	N14		
	3272	N14		
I	3273	O15		
	3274	N16		
	3275	O16		
	3306	H 8		
	3376	H12		
	3380	G14		
	3381	H14		
J	3382	H16		
	3383	H16		
	3385	H16		
	3550	E16		
	3562	F16		
	3563	G16		
	4L02	N17		
	5203	A 5		
K	5204	C 3		
	5204	A 4		
	5230	A10		
	5231	A11		
	5233	B11		
	5235	E11		
	5237	D11		
	5241	D14		
L	5255	L10		
	5260	L11		
	5262	N11		
	5381	H13		
	6201	O 9		
	6210	C 9		
	6211	C 9		
M	6212	C 9		
	6213	B 9		
	6216	G 9		
	6230	B12		
	6232	A12		
	6235	E12		
	6237	D12		
	6238	C12		
N	6247	G14		
	6251	O 9		
	6260	L12		
	6262	N12		
	6266	N13		
	6272	O14		
	6306	H 8		
	6352	I15		
	6353	I14		
	6372	K14		
	6373	K15		
	6375	F12		
O	6376	H12		

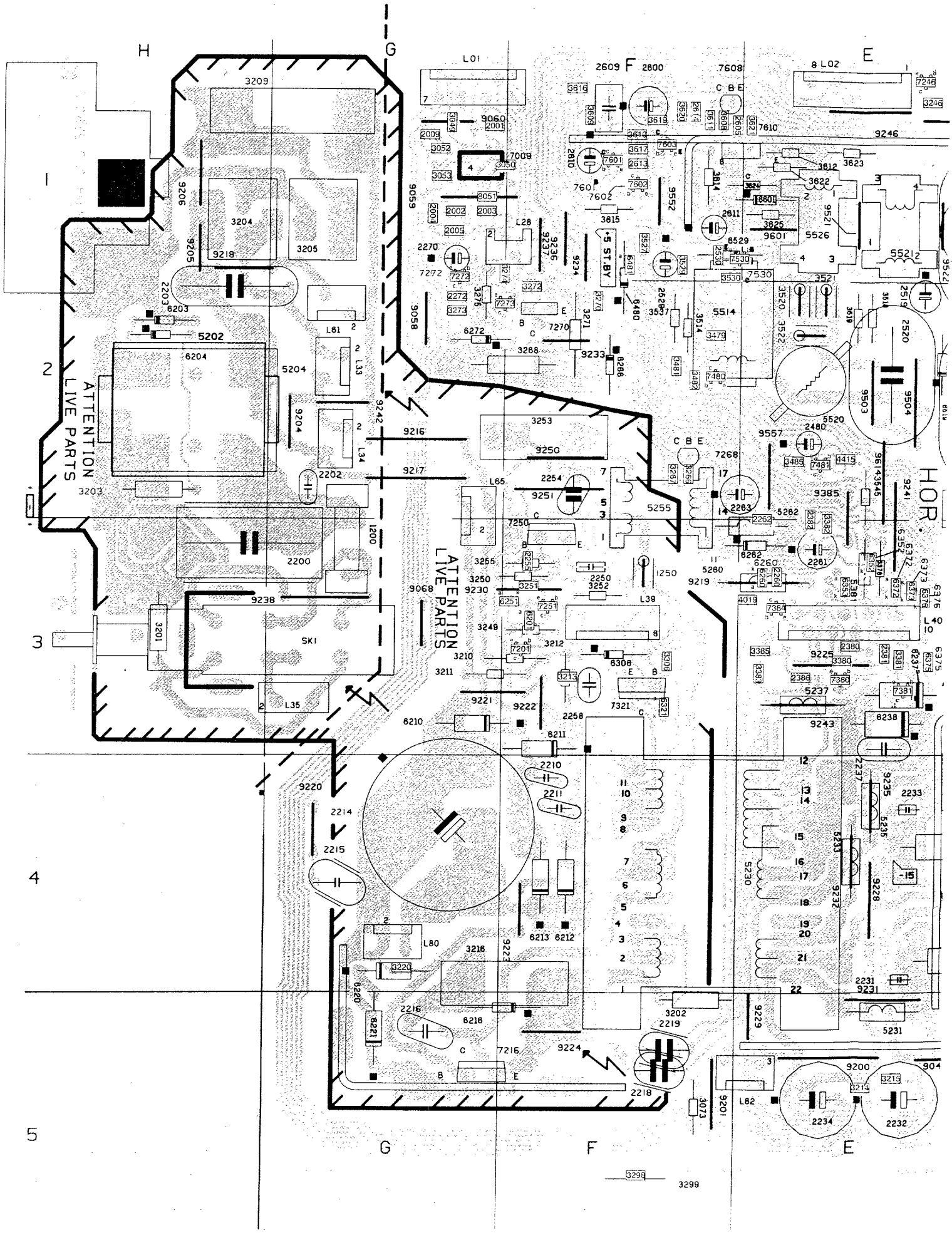
6.3 CHASSIS FL1.6



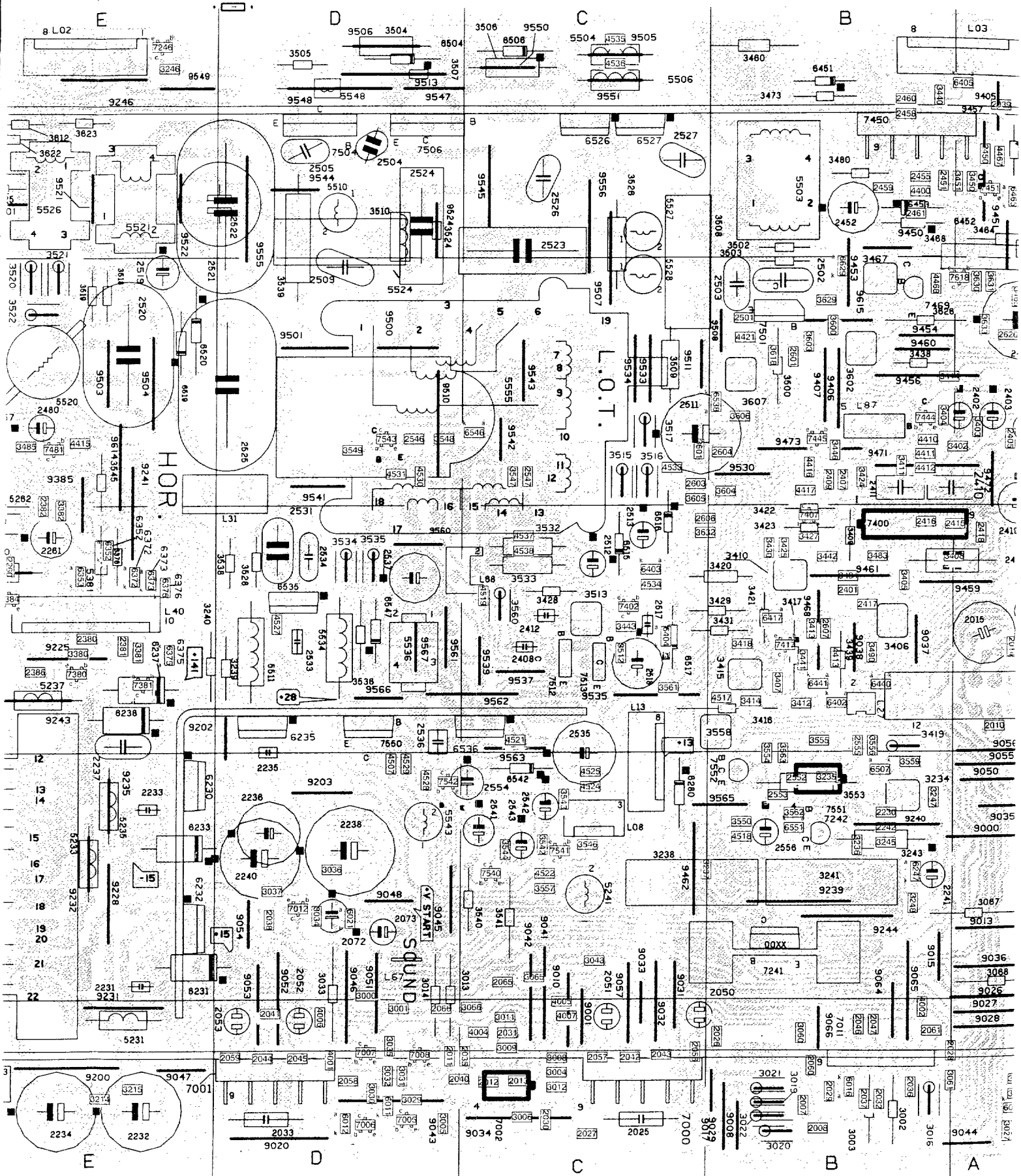
Large signal panel / Groß-signal Platine / Platine forts signaux



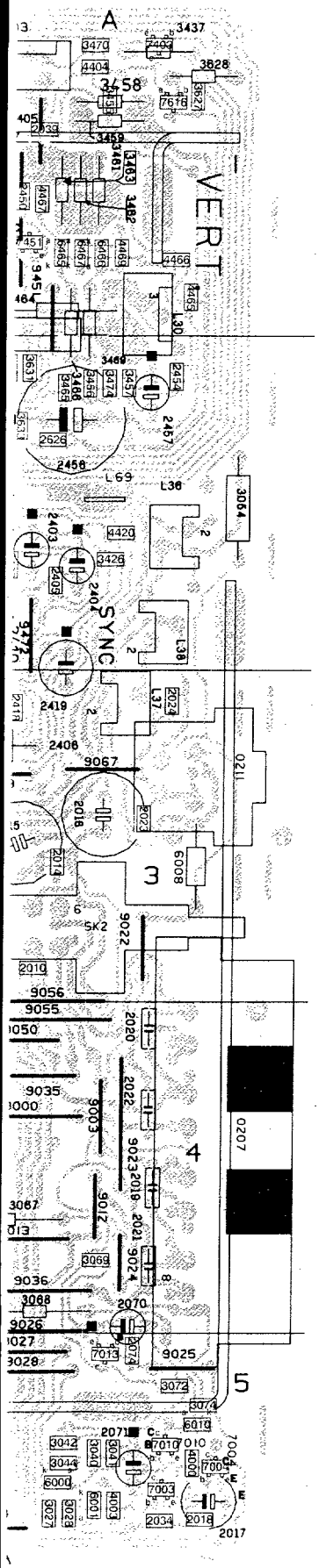
L01 F1	2602 B2	3429 B3	5627 C1	9026 A4	9468 B3
L02 E1	2603 B2	3431 B3	5628 C2	9027 A5	9471 B2
L03 A1	2604 D1	3437 A1	5634 D3	9028 A6	9472 A2
L08 C4	2605 D1	3438 B2	5638 D3	9029 B5	9473 B2
L13 C4	2609 D2	3439 B3	5643 D4	9031 C4	9500 D2
L27 B3	2611 C2	3458 A1	5648 D1	9032 C5	9501 D2
L28 G1	2512 C3	3459 A1	5665 D3	9033 C5	9503 E2
L30 A1	2513 C3	3460 B1	6008 A3	9034 C5	9504 E2
L31 E2	2617 C3	3461 A1	6203 H2	9035 A4	9505 C1
L33 G2	2618 C3	3462 A1	6204 H2	9036 A4	9506 D1
L34 G2	2619 E2	3463 A1	6210 G3	9037 B3	9507 C2
L35 G3	2620 E2	3464 A1	6211 F3	9038 B3	9508 B2
L36 A2	2621 D1	3466 A1	6212 F4	9041 C4	9510 D2
L37 A3	2622 D1	3467 B2	6213 F4	9042 C4	9511 C2
L38 A2	2523 C1	3468 A1	6216 F6	9043 D6	9513 D1
L39 F3	2524 D1	3469 A1	6220 G4	9044 A5	9521 E1
L40 E3	2526 D2	3473 B1	6221 G5	9045 D4	9522 E1
L61 G2	2526 C1	3480 B1	6230 E4	9046 D4	9524 D1
L62 E6	2527 C1	3600 B2	6231 E4	9047 E5	9530 B2
L65 G2	2529 F1	3602 B1	6232 E4	9048 D4	9533 C2
L67 D4	2531 D3	3603 B2	6233 E4	9060 A4	9534 C2
L68 C3	2533 D3	3504 D1	6236 D3	9051 D4	9535 C3
L69 A2	2534 D3	3505 D1	6237 E3	9052 D4	9537 C3
L80 G4	2535 C4	3606 C1	6238 E3	9053 D5	9539 C3
L87 B2	2536 D3	3607 D1	6262 E3	9054 D4	9541 D2
SK1 G3	2537 D3	3508 C2	6266 F2	9055 A4	9542 C2
SK2 B3	2541 C4	3509 C2	6272 G2	9056 A5	9543 C2
0207 A4	2542 C4	3510 D1	6280 C4	9057 C5	9544 D1
0211 A3	2543 C4	3513 C3	6308 F3	9068 G2	9545 C1
1200 G3	2564 C4	3514 F2	6461 B1	9069 G1	9547 D1
1260 F3	2566 B4	3515 C2	6462 B1	9080 G1	9548 D1
2015 A3	2600 F1	3516 C2	6463 B1	9084 B5	9549 E1
2016 A3	2608 F1	3517 C2	6480 F1	9085 B4	9550 C1
2017 A5	2610 F1	3518 E2	6504 D1	9066 B5	9551 C1
2019 A4	2611 F1	3519 E2	6506 C1	9067 A3	9552 F1
2020 A4	3002 B5	3520 E2	6515 C3	9068 G3	9556 D1
2021 A4	3003 B5	3521 E2	6516 C3	9200 E5	9556 C1
2022 A4	3013 D4	3522 E2	6517 C3	9201 F6	9557 E2
2025 C5	3014 D4	3524 D1	6519 E2	9202 D3	9560 D3
2033 D5	3016 B5	3526 C1	6520 E2	9203 D4	9561 D3
2060 C5	3019 B5	3528 D3	6526 C1	9204 G2	9562 C3
2061 C5	3020 B5	3532 C3	6527 C1	9205 H1	9563 C3
2062 D5	3021 B5	3533 C3	6529 F1	9206 H1	9565 B4
2063 D5	3022 B5	3534 D3	6535 D3	9216 G2	9566 D3
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ATTENTION LIVE PARTS
ATTENTION LIVE PARTS
HOR.
SK1
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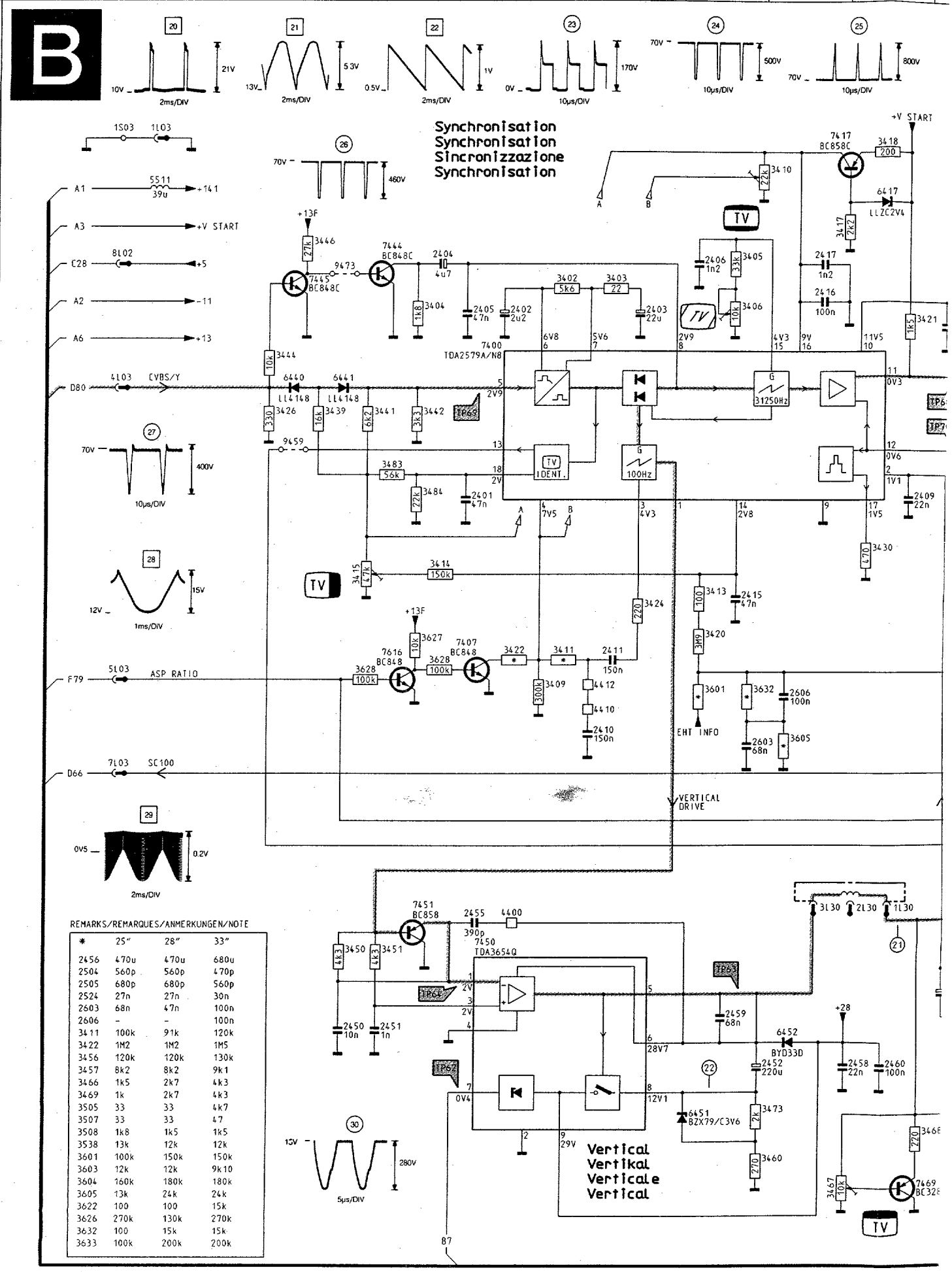
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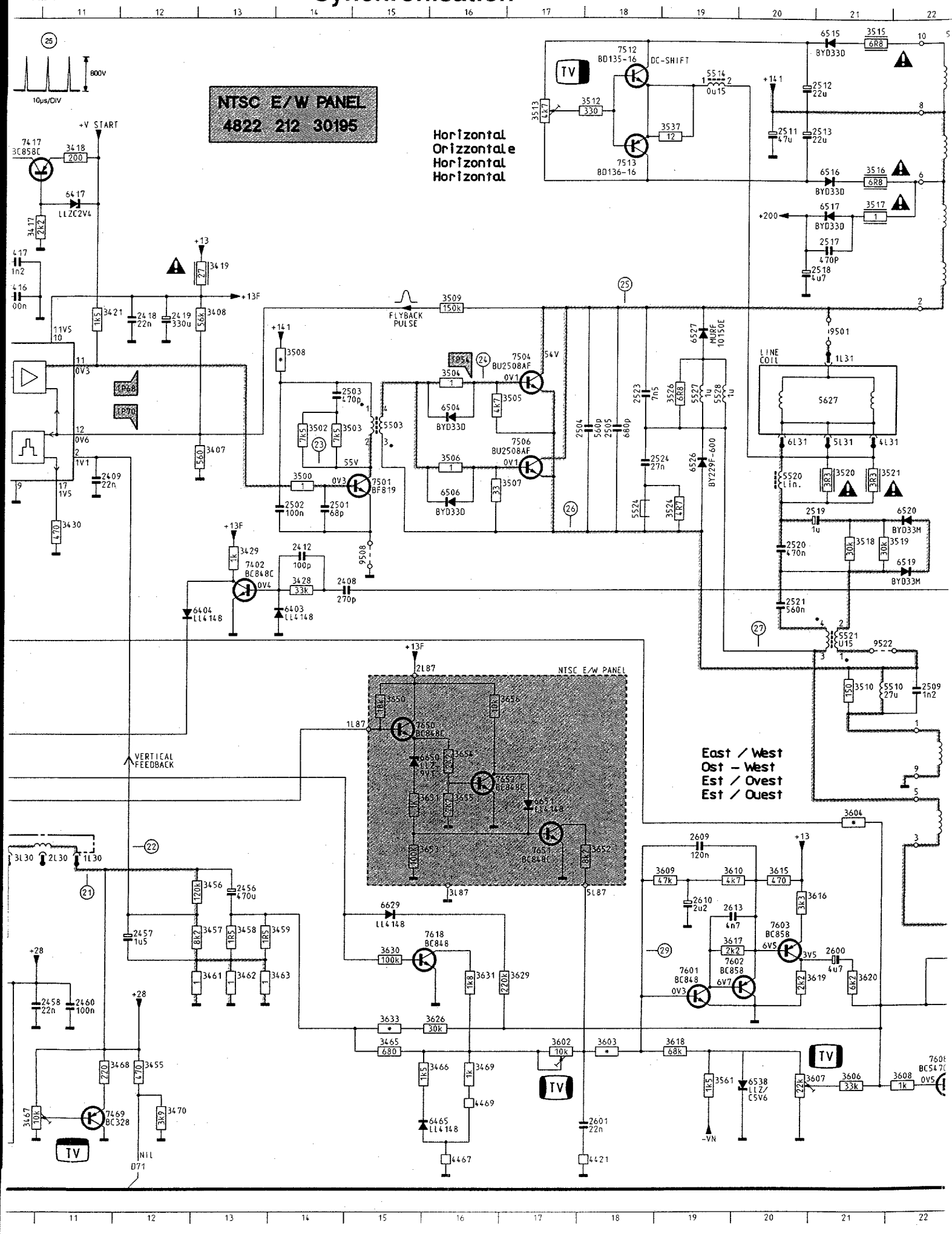
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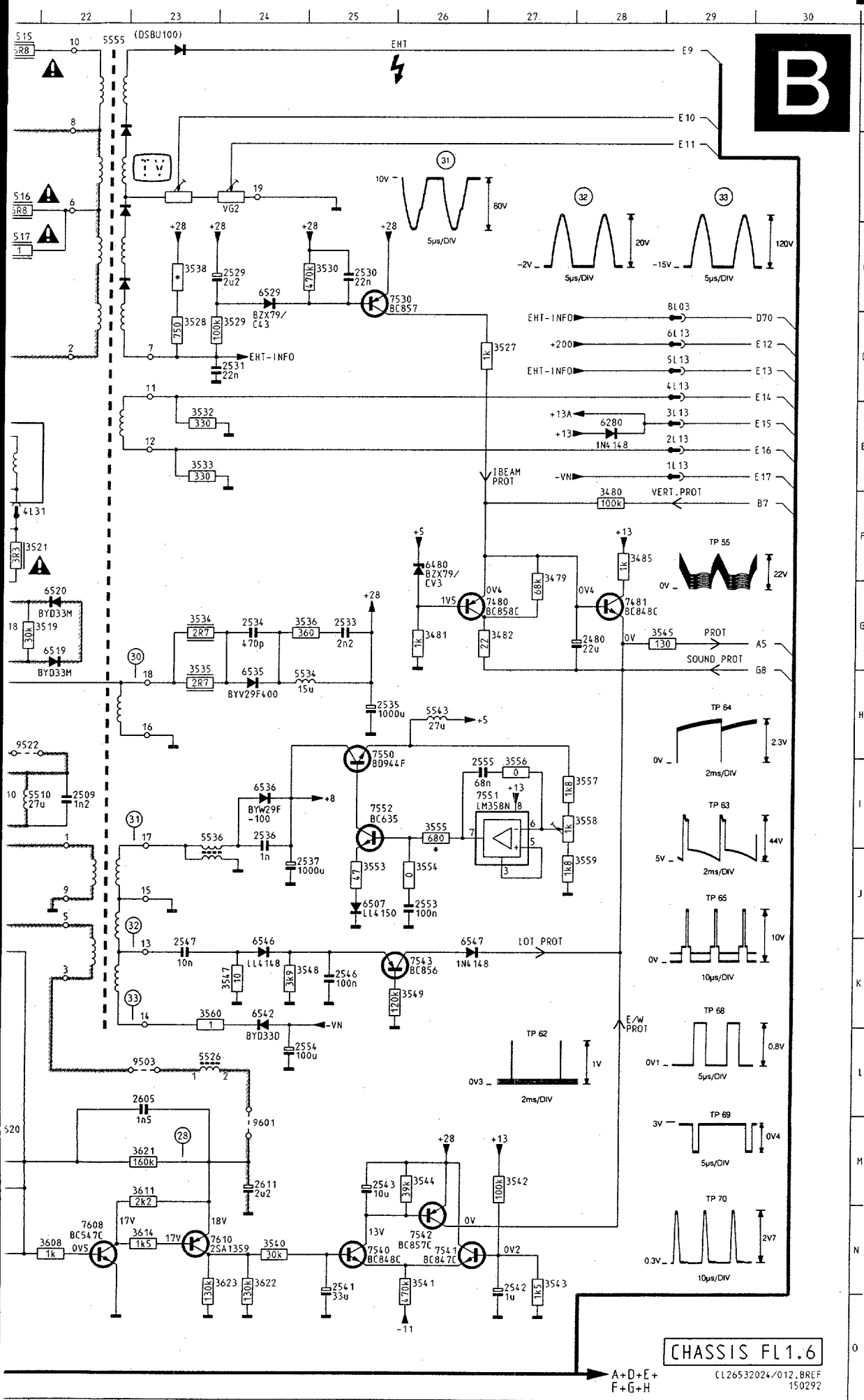


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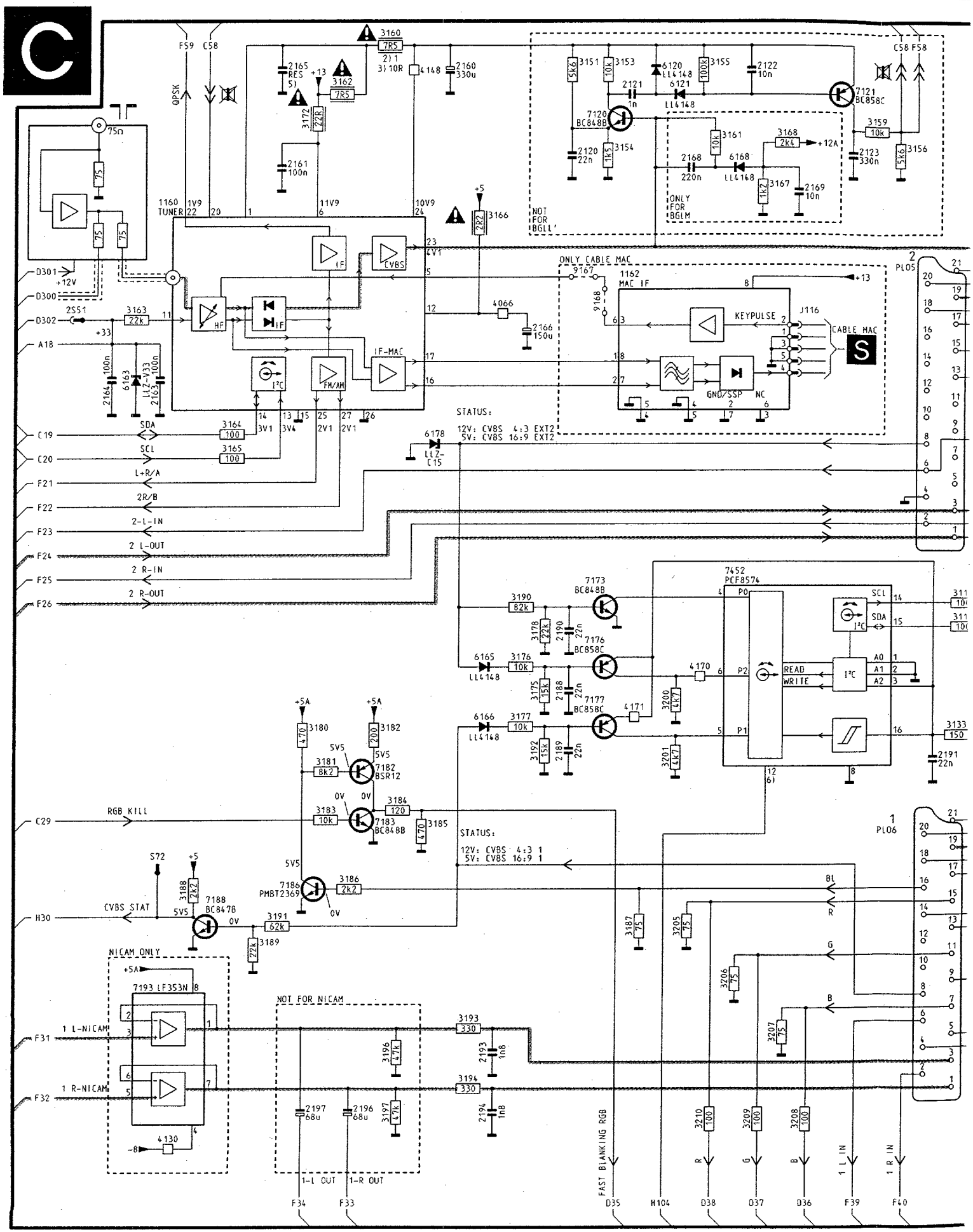

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Synchronisation
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Sincronizzazione
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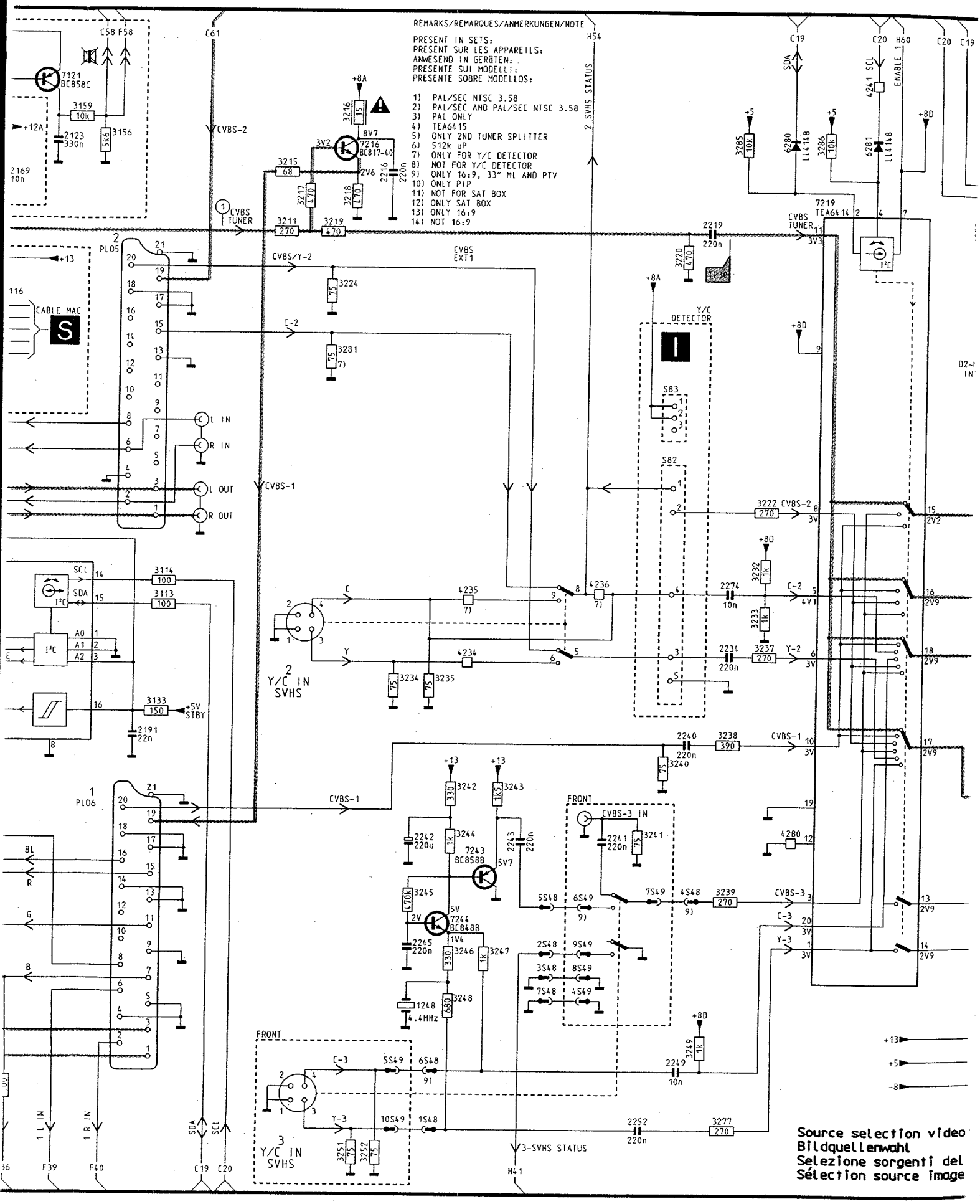


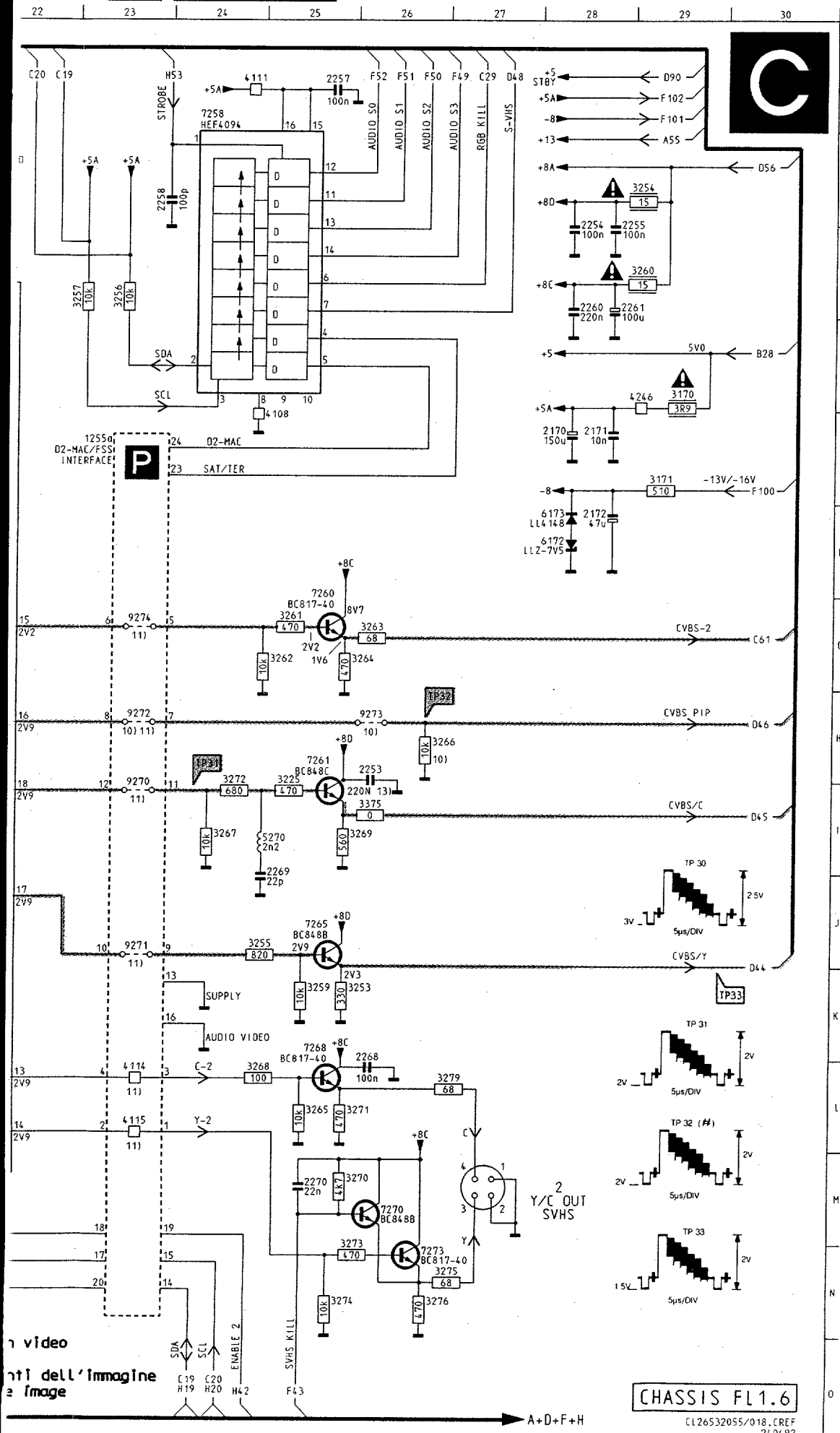


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	3402	D 7	3601	H 9	7602	M20
	3403	D 8	3602	N17	7603	L20
	3404	D 5	3603	N18	7608	N22
	3406	D 9	3604	K21	7610	N24
J	3406	C 9	3605	I10	7616	H 5
	3406	C 9	3606	N21	7618	L16
	3407	F13	3607	N20	7650	I15
	3408	D13	3608	N22	7651	K17
	3409	H 7	3609	K19	7652	J16
	3410	B10	3610	K20	9459	F 4
	3411	H 7	3611	M23	9473	C 4
	3413	G 9	3614	N23	9501	D21
K	3414	G 6	3615	K20	9503	L23
	3415	G 5	3616	L20	9508	G15
	3417	C10	3617	L20	9522	H21
	3418	B11	3618	N19	9601	M24
	3419	C13	3619	M20		
	3420	H 9	3620	M21		
	3421	D11	3621	M23		
L	3422	H 7	3622	N24		
	3423	B 8	3623	N24		
	3424	G 8	3626	M16		
	3426	E 4	3627	H 5		
	3427	C 9	3628	H 6		
	3428	H14	3628	H 5		
	3429	G13	3629	M17		
	3430	G11	3630	L15		
M	3437	G10	3631	M16		
	3438	G11	3632	H 9		
	3439	E 4	3633	M15		
	3440	H10	3650	I15		
	3441	E 5	3651	J15		
	3442	E 5	3652	K18		
	3443	H13	3653	K15		
	3444	D 4	3654	J16		
N	3446	C 4	3656	I16		
	3450	L 5	4400	K 7		
	3451	L 5	4410	I 7		
	3455	N12	4412	H 7		
	3456	K13	4421	O18		
	3457	L13	4467	O16		
	3458	L13	4469	N16		
	3459	L14	5503	F15		
O	3460	N10	5510	I21		
	3461	M13	5511	B 2		
	3462	M13	5514	A19		
	3463	M14	5520	F20		
	3464	M12	5521	H21		


C
F59
C58
QPSK
75Ω
1160 TUNER
1V9
11V9
10V9
IF
CVBS
HF
IF
I²C
FM/AM
IF-MAC
D301 +12V
D300
D302
A18
2S51
+33
SDA
SCL
L+R/A
2R/B
2-L-IN
2 L-OUT
2 R-IN
2 R-OUT
C19
C20
F21
F22
F23
F24
F25
F26
NOT FOR BGLL'
ONLY FOR BGLM
ONLY CABLE MAC
1162 MAC IF
KEYPULSE
CABLE MAC
GND/SSP
NC
STATUS:
12V: CVBS 4:3 EXT2
5V: CVBS 16:9 EXT2
7452 PCF8574
READ
WRITE
RGB KILL
CVBS STAT
NICAM ONLY
7193 LF353N
NOT FOR NICAM
1 L-NICAM
1 R-NICAM
1-L OUT
1-R OUT
F31
F32
F34
F33
FAST BLANKING RGB
D35
H104
D38
D37
D36
F39
F40
PLO5
PLO6

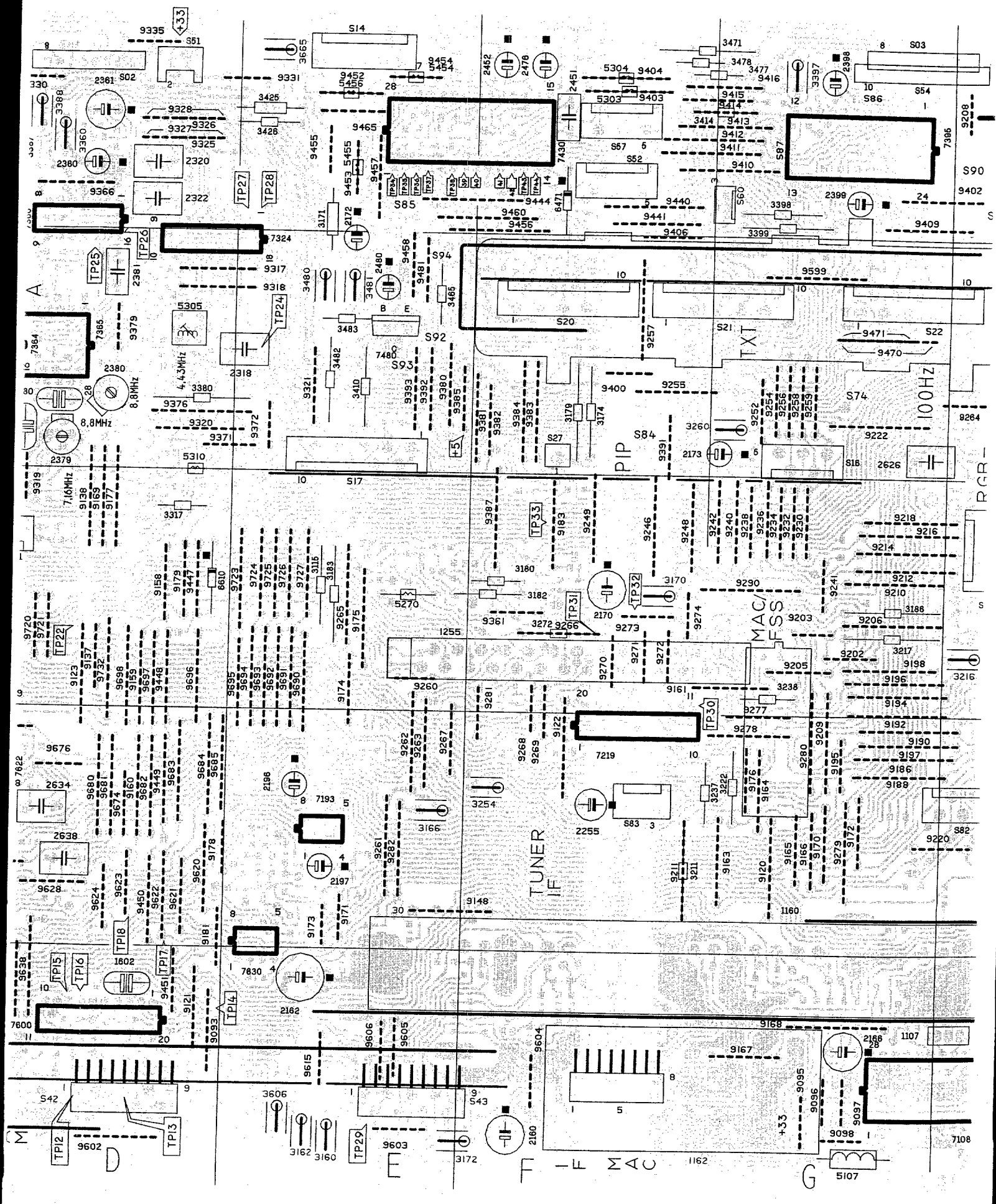
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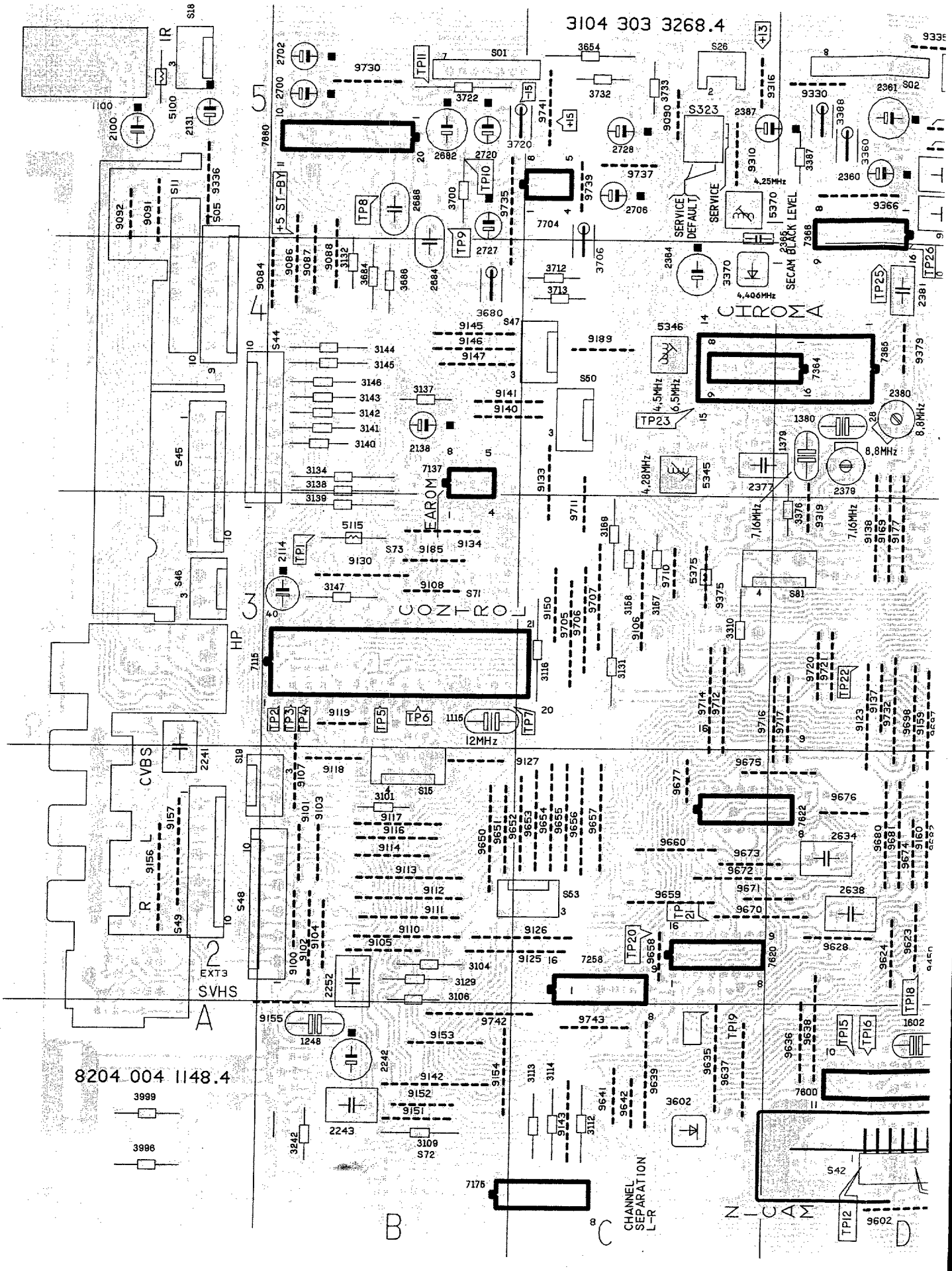


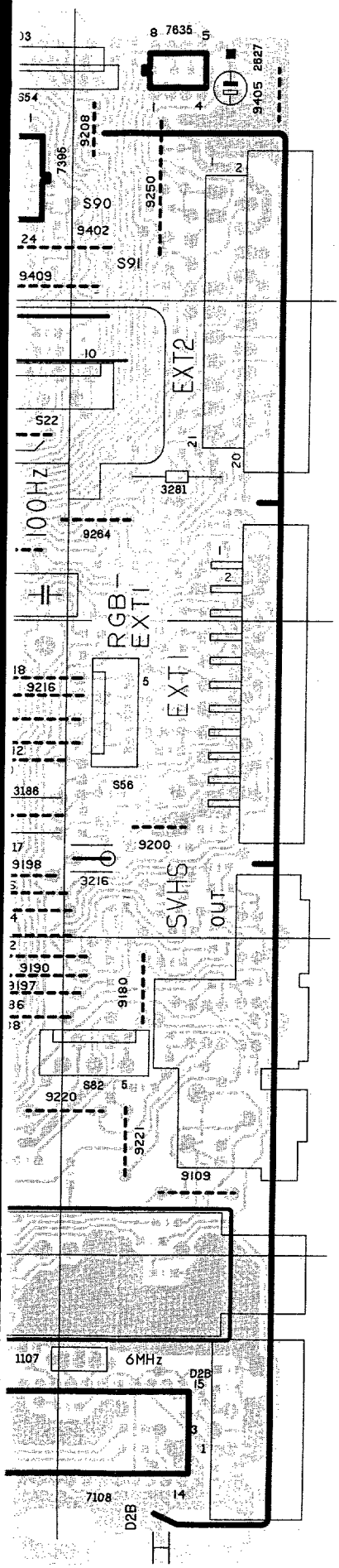
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	2121	A 8	3246	L16
	2122	A10	3247	L16
	2123	B11	3248	M16
	2160	A 6	3249	N19
	2161	B 4	3251	O15
	2163	E 2	3252	O15
	2164	E 2	3253	K25
B	2165	A 4	3254	B29
	2166	D 7	3255	J25
	2168	B 9	3256	C23
	2169	C10	3257	C23
	2170	E28	3259	K25
	2171	E28	3260	C29
	2172	F28	3261	G25
	2188	I 7	3262	G25
C	2189	J 7	3263	G26
	2190	H 7	3264	G25
	2191	J12	3265	L25
	2193	M 6	3266	H26
	2194	N 6	3267	I24
	2196	N 5	3268	L25
	2197	N 4	3269	I25
D	2216	C15	3270	M25
	2219	C19	3271	L25
	2234	I19	3272	I24
	2240	J19	3273	N26
	2241	K18	3274	N25
	2242	K15	3275	N27
	2243	K17	3276	N26
	2245	L15	3277	O19
E	2249	N19	3279	L27
	2252	O18	3281	E14
	2253	H26	3285	B19
	2254	C28	3286	B21
	2255	C28	3375	I26
	2257	A25	4066	D 7
	2258	B23	4108	E25
F	2260	C28	4111	A24
	2261	C28	4114	L23
	2268	L26	4115	L23
	2269	J25	4130	N 3
	2270	M25	4148	A 6
	2274	H19	4170	I 9
	3113	H12	4171	I 8
	3114	H12	4234	I16
G	3133	I12	4235	H16
	3151	A 7	4236	H18
	3153	A 8	4241	B21
	3154	B 8	4246	D29
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	3156	B12	5270	I25
	3159	B11	6120	A 9
H	3160	A 5	6121	A 9
	3161	B 9	6163	E 2
	3162	A 5	6165	H 6
	3163	D 2	6166	I 6
	3164	F 3	6168	B 9
	3165	F 3	6172	F28
	3166	C 6	6173	F28
	3167	C10	6178	F 6
I	3168	B10	6280	B20
	3170	D29	6281	B21
	3171	E29	7120	B 8
	3172	B 4	7121	B11
	3175	I 7	7173	G 8
	3176	H 7	7176	H 8
	3177	I 7	7177	I 8
J	3178	H 7	7182	J 5
	3180	I 4	7183	J 5
	3181	J 4	7186	K 4
	3182	I 5	7188	K 3
	3183	J 4	7193	L 2
	3184	J 5	7216	B15
	3185	J 6	7219	C20
	3186	K 5	7243	K16
K	3187	L 8	7244	L16
	3188	K 3	7258	A24
	3189	L 4	7260	G25
	3190	H 7	7261	H25
	3191	L 4	7265	J25
	3192	J 7	7268	K25
	3193	M 6	7270	M26
	3194	N 6	7273	N26
L	3196	M 5	7452	G 9
	3197	N 5	9167	D 8
	3200	I 9	9168	D 8
	3201	J 9	9270	I23
	3205	L 9	9271	J23
	3206	L 9	9272	H23
	3207	M10	9273	H26
M	3208	N10	9274	G23
	3209	N10		
	3210	N 9		
	3211	C14		
	3215	C14		
	3216	B15		
	3217	C14		
	3218	C15		
N	3219	C14		
	3220	D19		
	3222	G20		
	3224	D14		
	3225	I25		
	3232	H20		
	3233	H20		
	3234	I15		
O	3235	I16		
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	3238	J19		
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Platine à petite signaux

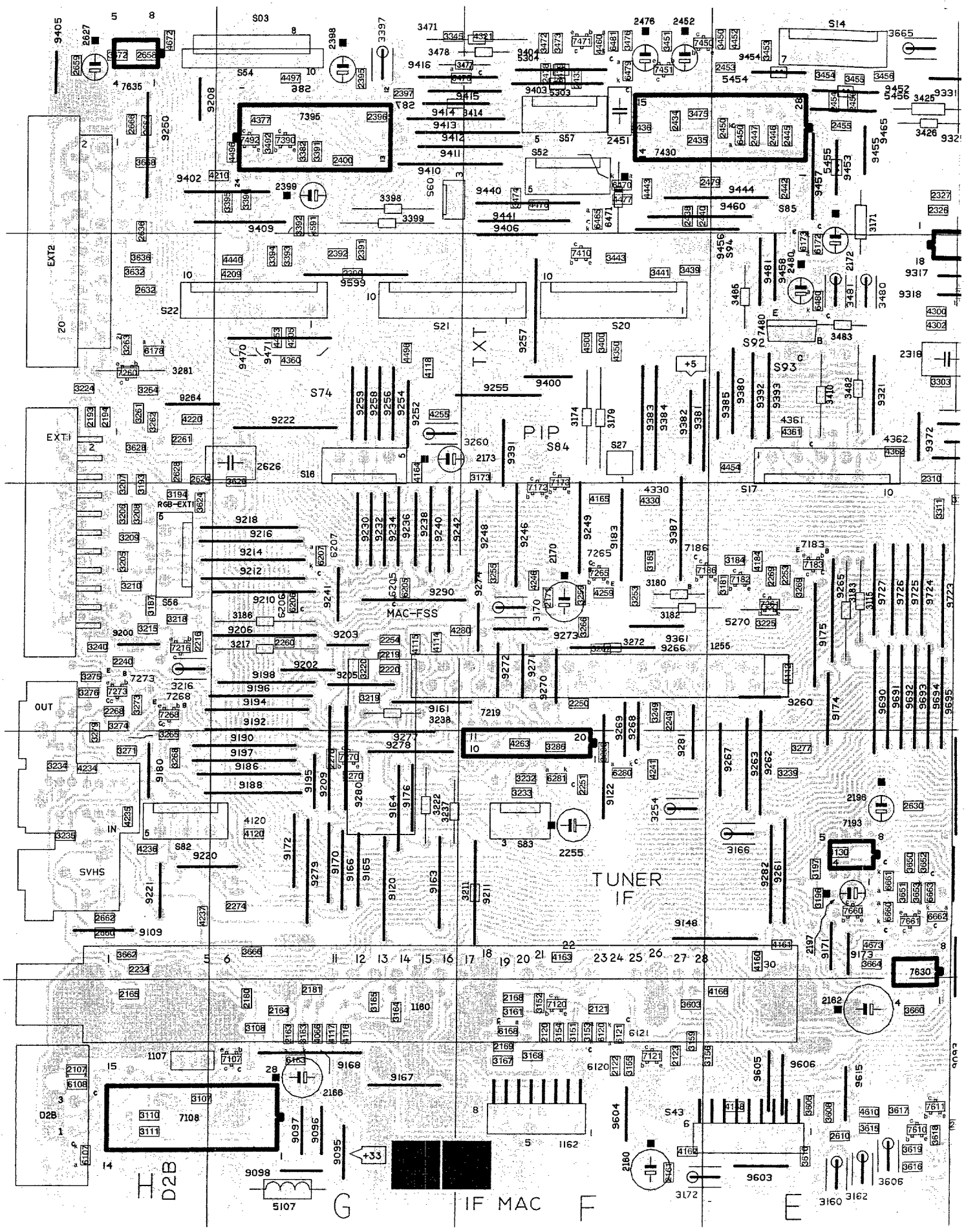


Small signal panel / Klein-signal Platine /

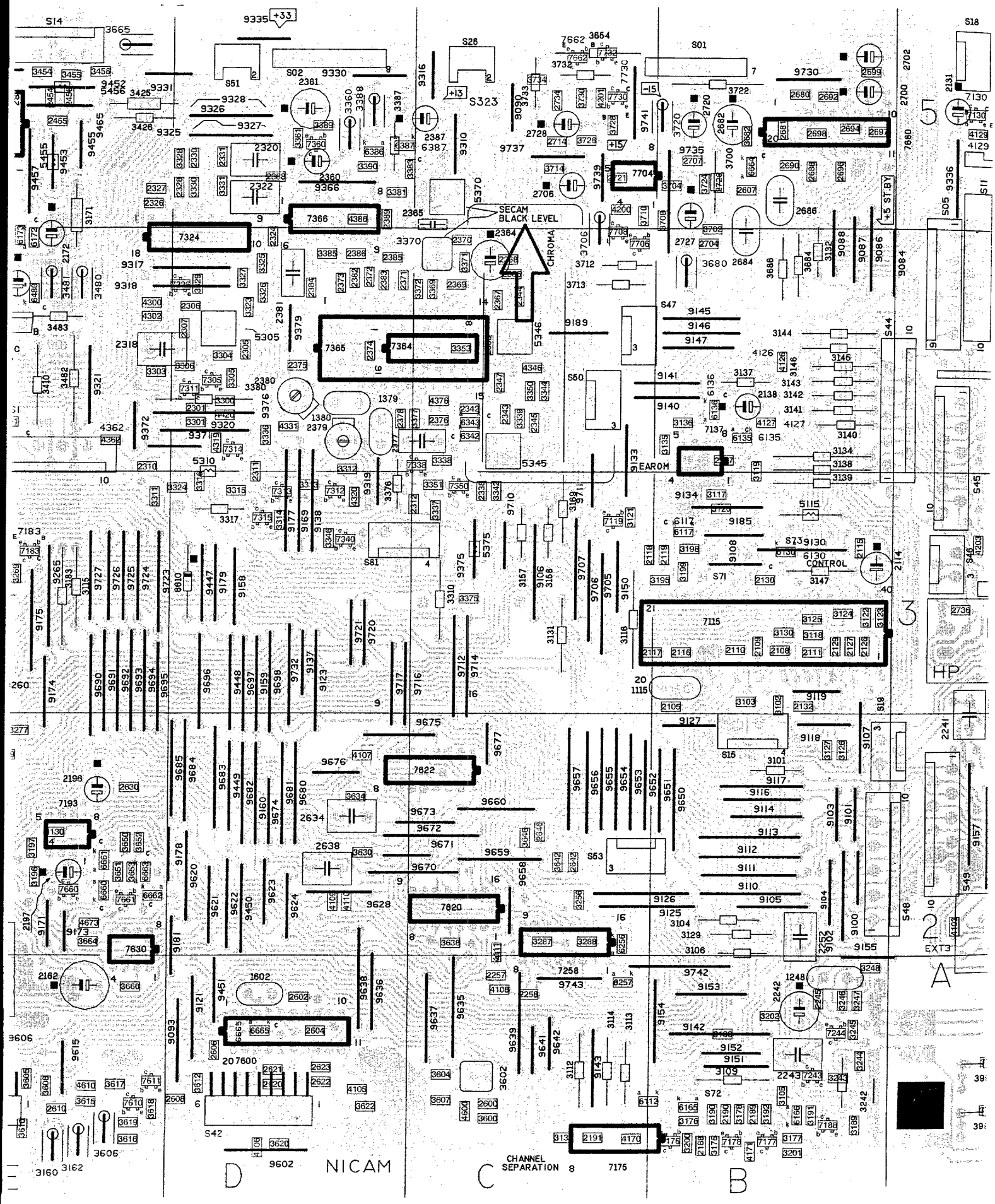


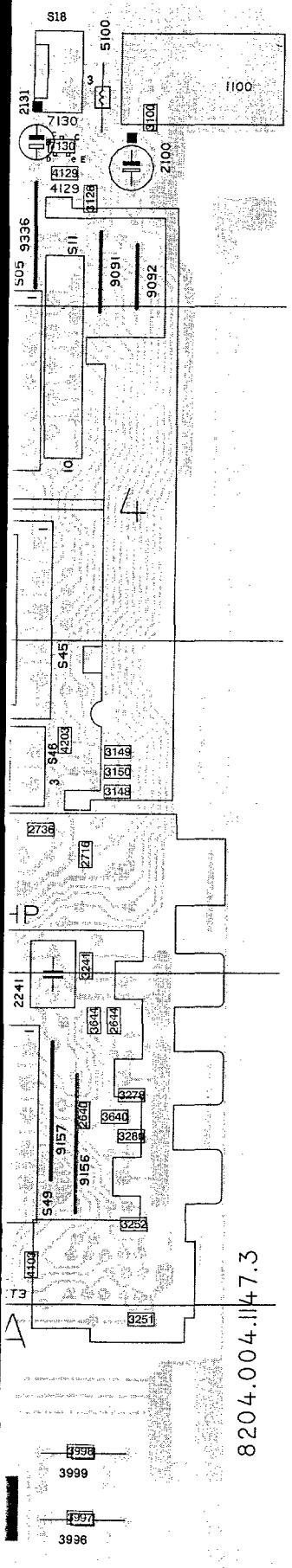


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EXT2	H4	2684	B4	3686	B4	9145	B4	9265	E3	9605	E1
EXT3	A3	2686	B5	3700	B5	9146	B4	9266	F3	9606	E1
SVHS	H2	2700	B5	3706	C4	9147	B4	9267	E2	9615	E1
S01	B5	2702	B5	3712	C4	9148	E2	9268	F3	9620	D2
S02	D5	2706	C5	3713	C4	9150	C3	9269	F3	9621	D2
S03	H5	2720	B5	3720	B5	9151	B1	9270	F3	9622	D2
S05	A4	2727	B5	3722	B5	9152	B1	9271	F3	9623	D2
S11	A5	2728	C5	3732	C5	9153	B1	9272	F3	9624	D2
S14	E5	3101	B2	3733	C5	9154	B1	9273	F3	9628	D2
S15	B2	3104	B2	3996	A1	9155	B1	9274	F3	9635	C1
S16	G4	3106	B2	3999	A1	9156	A2	9277	G2	9636	D1
S17	E4	3109	B1	5100	A5	9157	A2	9278	G2	9637	C1
S18	A5	3112	C1	5107	G1	9158	D3	9279	G2	9638	D1
S19	B2	3113	C1	5115	B3	9159	D3	9280	G2	9639	C1
S20	F4	3114	C1	5270	E3	9160	D2	9281	F2	9641	C1
S21	F4	3115	E3	5303	F5	9161	G3	9282	E2	9642	C1
S22	G4	3116	C3	5304	F5	9163	G2	9290	G3	9650	B2
S26	C5	3129	B2	5305	D4	9164	G2	9310	C5	9651	B2
S27	F4	3131	C3	5310	D4	9165	G2	9316	C5	9652	C2
S42	D1	3132	B4	5345	C4	9166	G2	9317	D4	9653	C2
S43	F1	3134	B4	5346	C4	9167	G1	9318	D4	9654	C2
S44	B4	3137	B4	5370	C5	9168	G1	9319	D3	9655	C2
S45	A4	3138	B4	5375	C3	9169	D3	9320	D4	9656	C2
S46	A3	3139	B3	5464	E5	9170	G2	9321	E4	9657	C2
S47	C4	3140	B4	5465	E5	9171	E2	9325	D5	9658	C2
S48	B2	3141	B4	5466	E5	9172	G2	9326	D5	9659	C2
S49	A2	3142	B4	6471	F5	9173	E2	9327	D5	9660	C2
S50	C4	3143	B4	6610	D3	9174	E3	9328	D5	9670	C2
S51	D5	3144	B4	7115	B3	9175	E3	9330	D5	9671	D2
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S81	D3	3162	E1	7430	E5	9183	F3	9372	E4	9680	D2
S82	H2	3166	E2	7480	E4	9185	B3	9375	C3	9681	D2
S83	F2	3169	C3	7635	H5	9186	G2	9376	D4	9682	D2
1100	A5	3170	F3	7680	B5	9188	G2	9379	D4	9683	D2
1107	H1	3171	E5	7704	C5	9189	C4	9380	E4	9684	D2
1115	B3	3172	E1	9084	B4	9190	G2	9381	F4	9685	D2
1160	E2	3174	F4	9086	B4	9192	G3	9382	F4	9690	E3
1162	F1	3179	F4	9087	B4	9194	G3	9383	F4	9691	E3
1248	B1	3180	F3	9088	B4	9195	G2	9384	F4	9692	E3
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1380	D4	3183	E3	9091	A5	9197	G2	9387	F3	9694	E3
1602	D1	3186	G3	9092	A5	9198	G3	9391	F4	9695	E3
2100	A5	3211	F2	9093	D1	9200	H3	9392	E4	9696	D3
2114	B3	3216	H3	9095	G1	9202	G3	9393	E4	9697	D3
2131	A5	3217	G3	9096	G1	9203	G3	9400	F4	9698	D3
2138	B4	3222	G2	9097	G1	9205	G3	9402	G5	9705	C3
2160	F1	3237	G2	9098	G1	9206	G3	9403	F5	9706	C3
2162	E1	3238	G3	9100	B2	9208	H5	9404	F5	9707	C3
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S03
S54
S14
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S74
PIP
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S27
S16
S17
S56
S82
S83
TXT
MAC-FSS
TUNER
IF
IF MAC
EXT1
EXT2
RGB-EXT
OUT
IN
SVHS
H2B
D2B
+5
+33

Platine à petite signaux

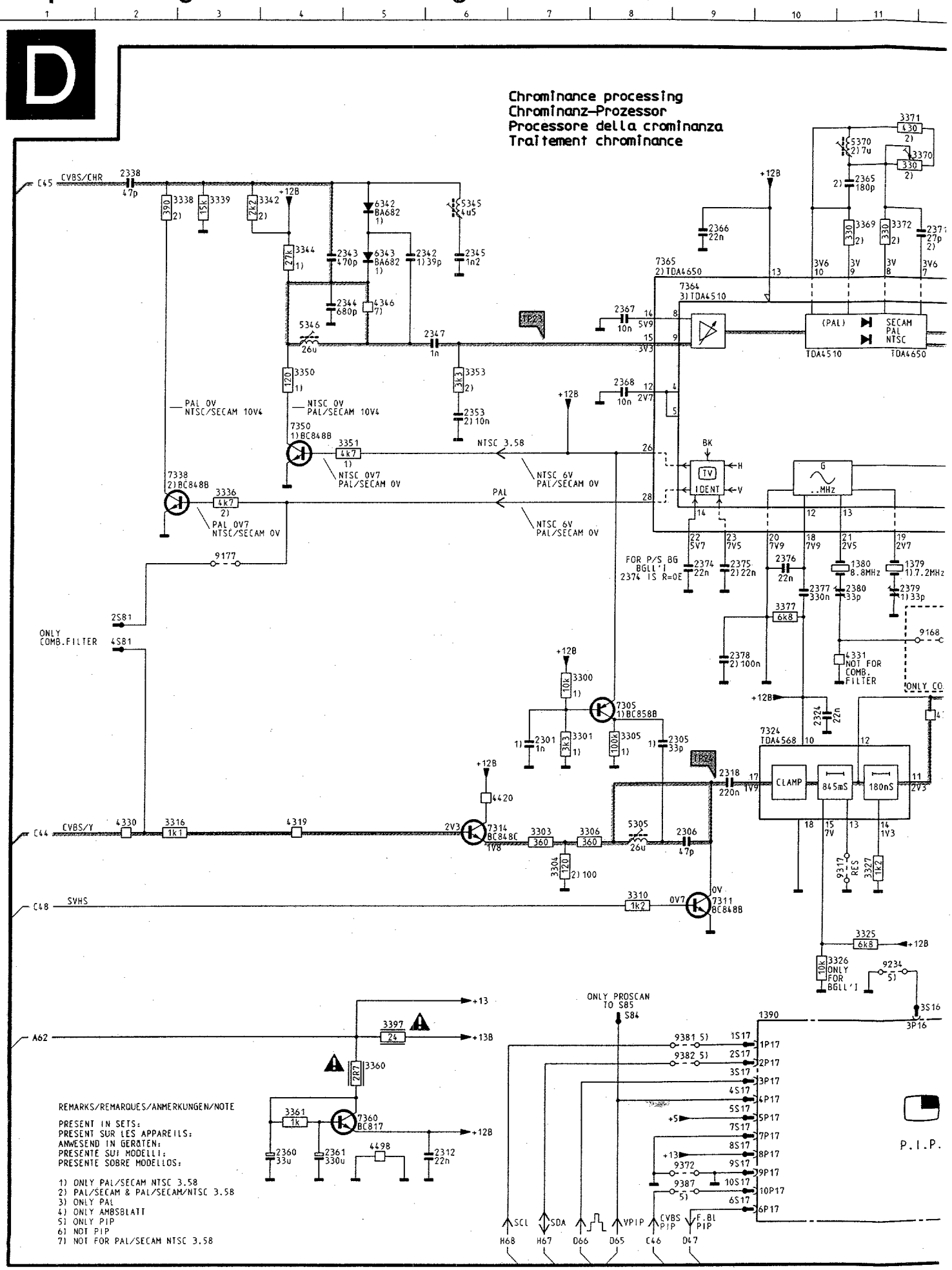




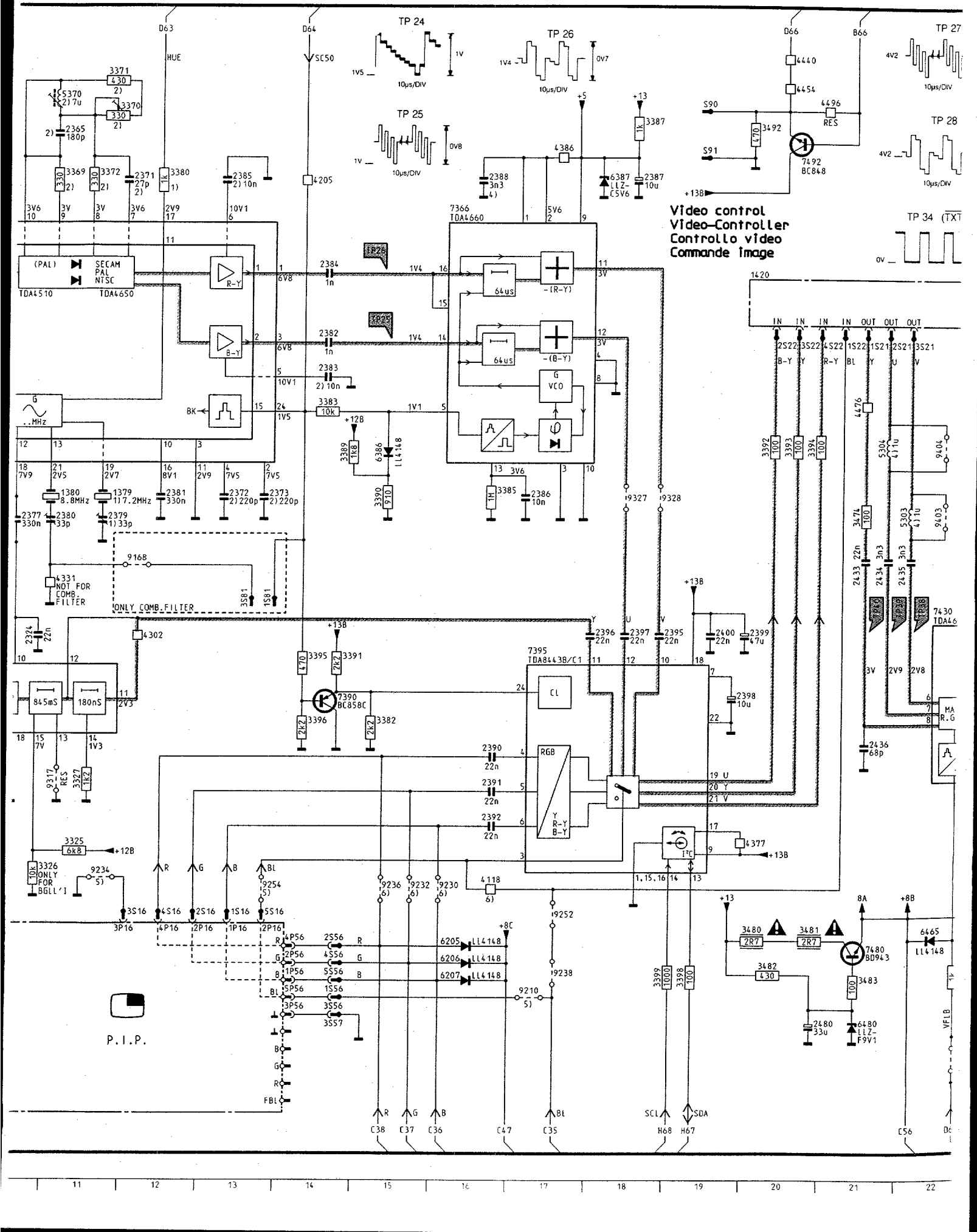
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EXT3 A3	2189 B1	2397 G6	3105 B1	3192 B1	3313 D3	3607 C1	4165 F3	6206 G3	7660 E2	9178 D2	9336 A6	9674 D2
SVHS H2	2190 B1	2398 G6	3106 B2	3193 H4	3314 D3	3608 E1	4166 E1	6207 G3	7661 E2	9179 D3	9361 F3	9675 D2
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S02 D6	2193 H4	2400 G6	3108 G1	3195 B3	3316 D3	3612 D1	4171 B1	6257 C1	7680 B6	9181 D2	9371 D4	9677 C2
S03 H6	2194 H4	2433 F6	3109 B1	3196 E2	3317 D3	3615 E1	4184 E3	6280 F2	7704 C6	9183 F3	9372 E4	9680 D2
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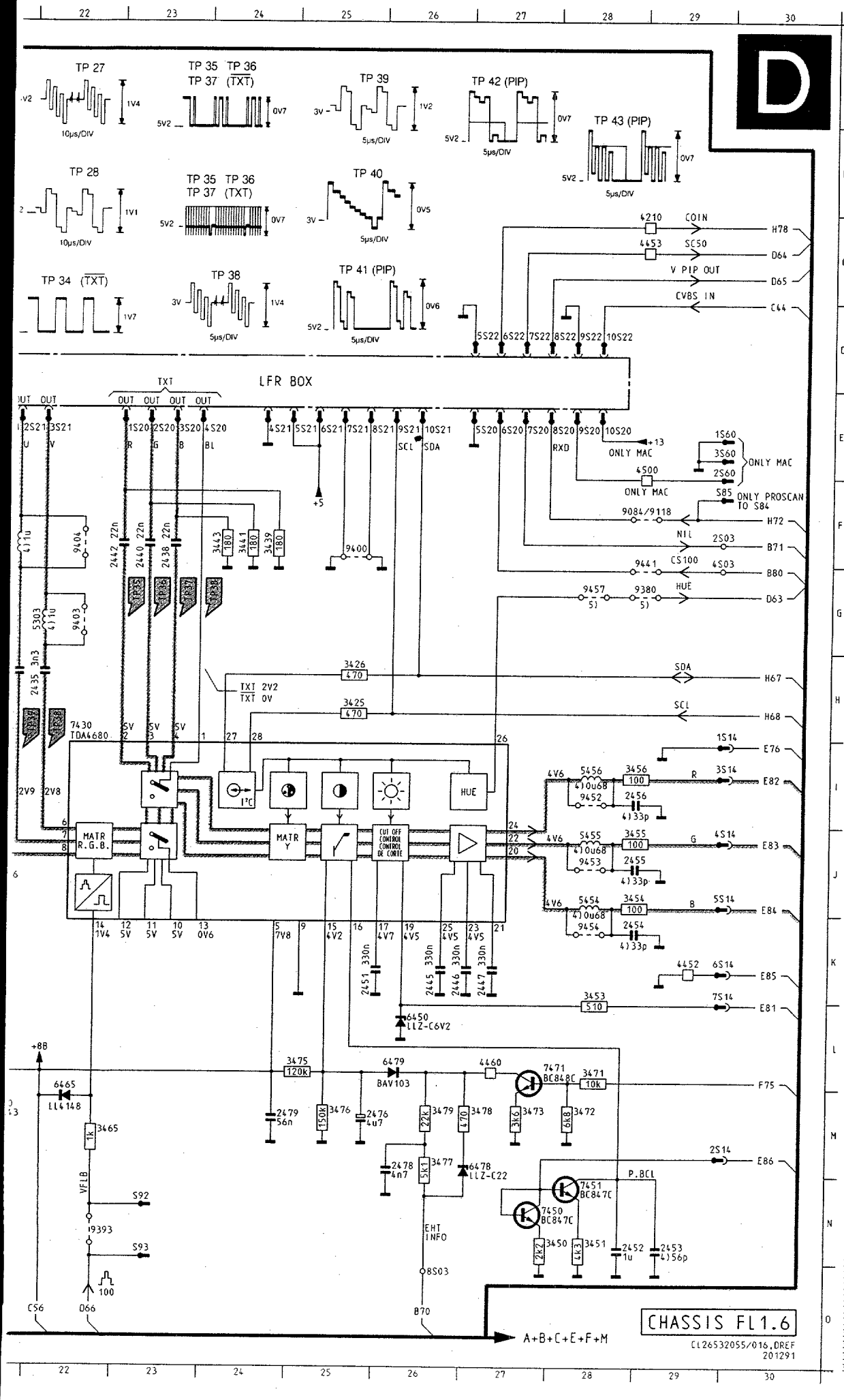
D

Chrominance processing
Chrominanz-Prozessor
Processore della crominanza
Traitement chrominance

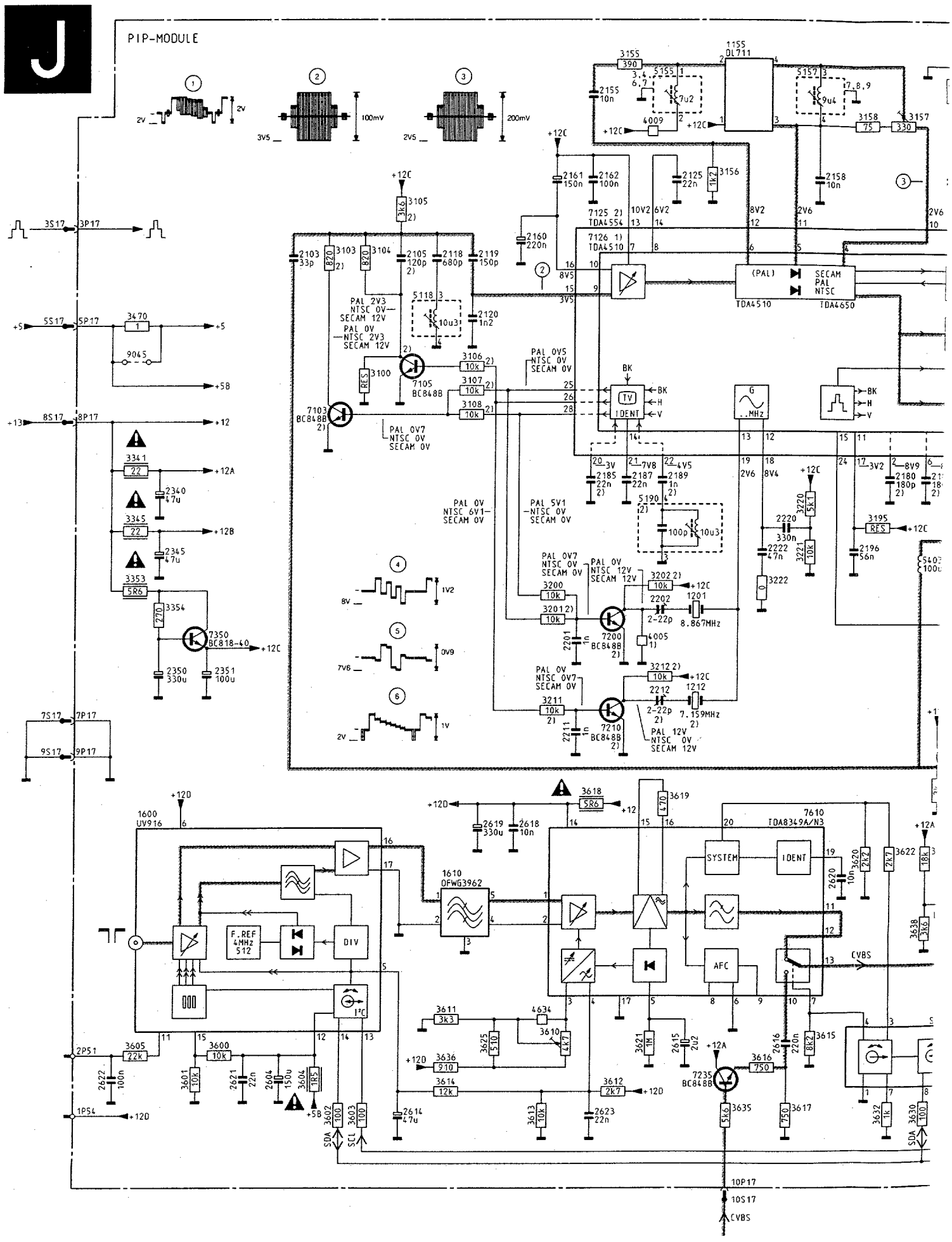


Traitement vidéo

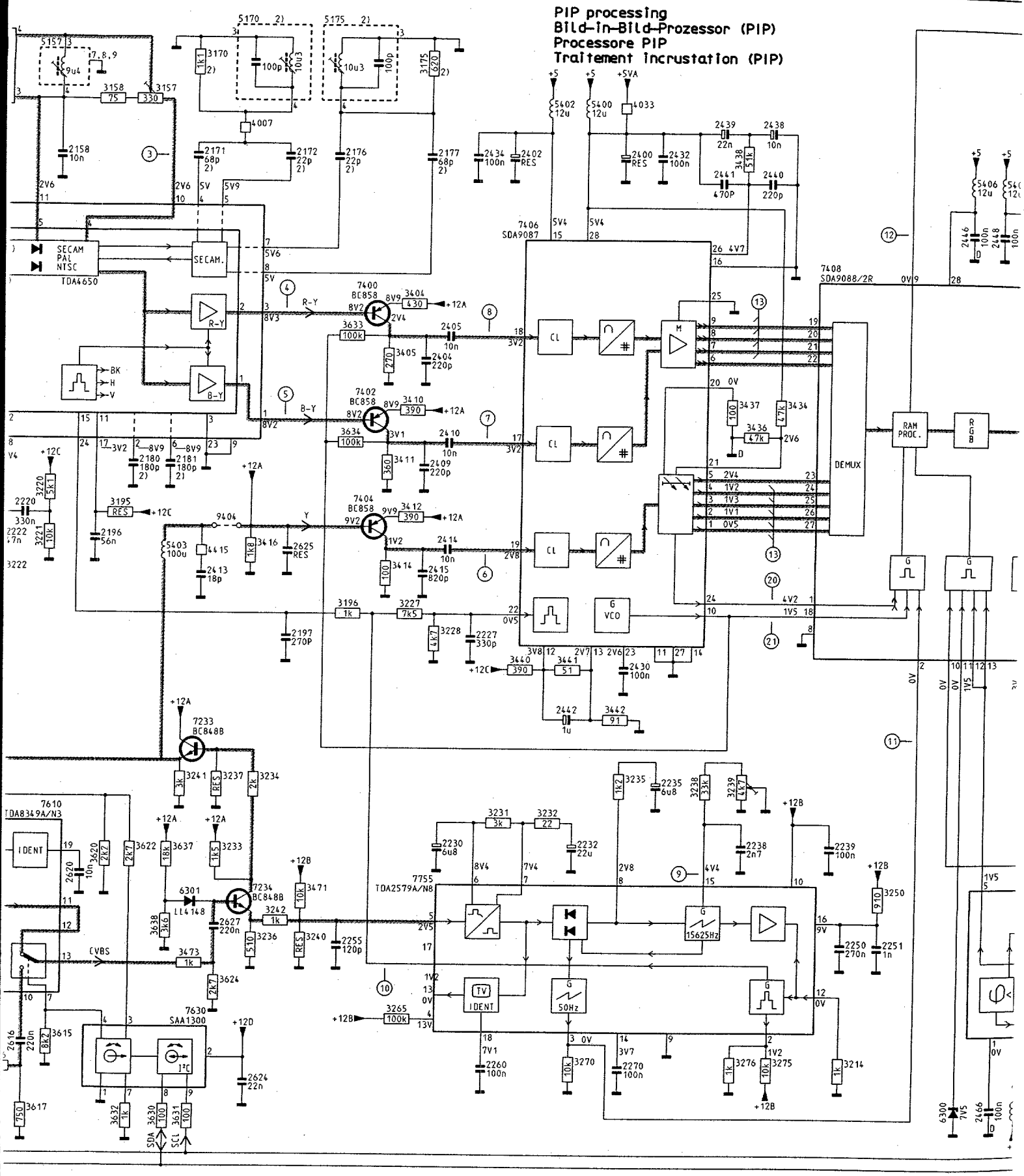


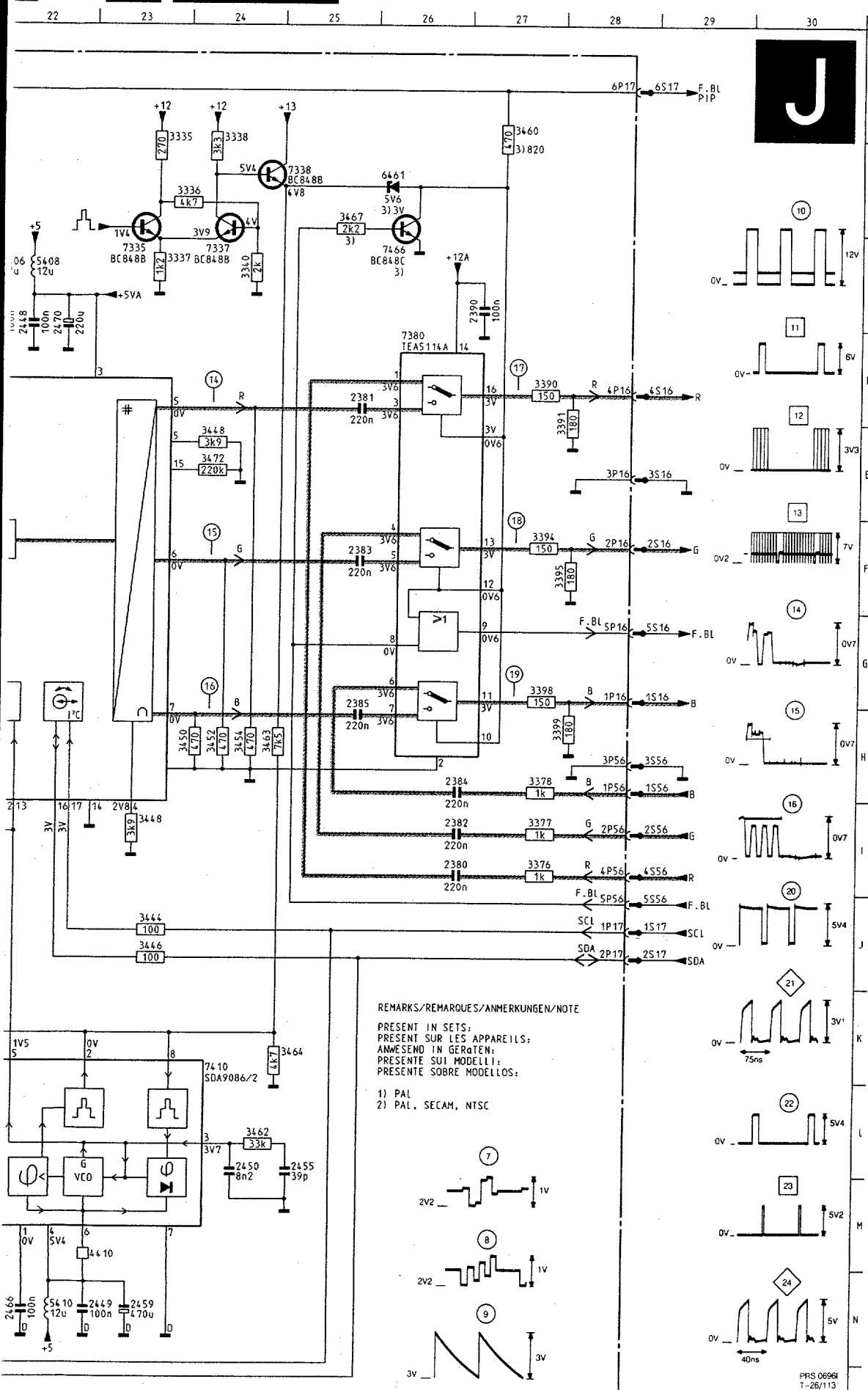


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	2312	N 6	3465	M22
	2318	I 9	3471	L28
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	2338	B 2	3473	M27
	2342	C 5	3474	G21
B	2343	C 4	3475	L25
	2344	D 4	3476	M25
	2345	C 6	3477	M26
	2347	D 6	3478	M27
	2353	E 6	3479	M26
	2360	N 4	3480	L20
	2361	N 4	3481	L20
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	2367	D 8	3492	B20
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	2372	G13	4210	C29
	2373	G13	4302	I12
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D	2375	G 9	4330	J 2
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	2391	K16	5303	G22
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	2396	I18	5345	C 6
	2397	I18	5346	D 4
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	2400	I19	5455	J28
G	2433	H21	5456	I28
	2434	H21	6205	M16
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	2436	J21	6207	M16
	2438	F23	6342	C 5
	2440	F23	6343	C 5
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	2479	M24	7350	E 4
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	3306	J 8	7430	H22
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	3350	D 4	9232	L15
	3351	E 5	9234	L11
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	3360	M 5	9238	M17
	3361	N 4	9252	L17
	3369	C11	9254	L13
	3370	B11	9317	K11
	3371	B11	9327	G18
	3372	C11	9328	G18
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	3382	J15	9381	M 9
	3383	F14	9382	M 9
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J
PIP-MODULE
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TDA4554
TDA4510
TDA4650
(PAL) SECAM PAL NTSC
TV IDENT
BK
H
V
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7210 BC848B
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7350 BC818-40
8.867MHz
7.159MHz
1600 UV916
1610 OFWG3962
7610 TDA8349A/N3
SYSTEM
IDENT
AFC
DIV
F_REF 4MHz 512
I²C
CVBS
SDA
SCL
+12C
+12D
+12A
+12B
+5B
+5
+12
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10P17
10S17

PIP processing
Bild-in-Bild-Prozessor (PIP)
Processore PIP
Traitement incrustation (PIP)

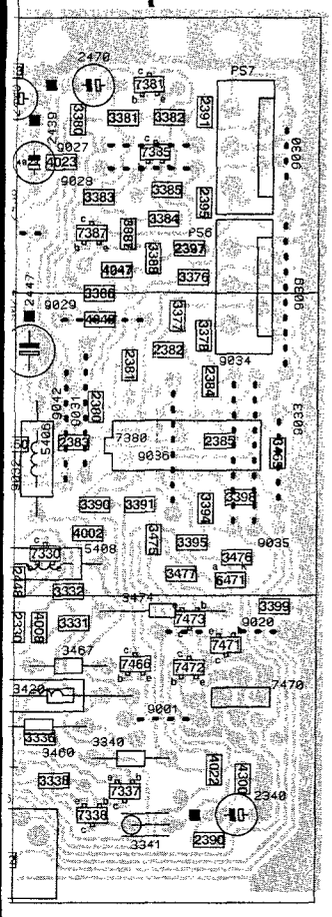




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2158	C11	3240	L14	7235	N 9
2160	C 7	3241	J12	7335	C23
2161	C 7	3242	L13	7337	C24
2162	C 8	3250	K21	7338	B25
2171	C12	3265	M15	7350	H 3
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2177	C15	3276	M19	7402	E14
2180	F11	3335	A23	7404	G14
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2189	F 9	3340	C24	7466	C26
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2197	H13	3345	G 2	7630	M12
2201	H 7	3353	G 2	7755	K15
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2211	I 7	3376	I27	9404	G13
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2222	G10	3390	D27		
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2390	C27	3448	I23		
2400	C17	3448	E24		
2402	C16	3450	H24		
2404	E15	3452	H24		
2405	E15	3454	H24		
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2440	C19	3601	N 3		
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2446	C21	3604	N 4		
2448	C22	3605	M 2		
2449	N23	3610	M 7		
2450	L24	3611	M 6		
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2466	N22	3614	N 6		
2470	C22	3615	M11		
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2621	N 3	3624	L13		
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3200	H 7	5170	A13		
3201	H 7	5175	A14		
3202	G 9	5190	G 8		
3211	I 7	5400	B17		
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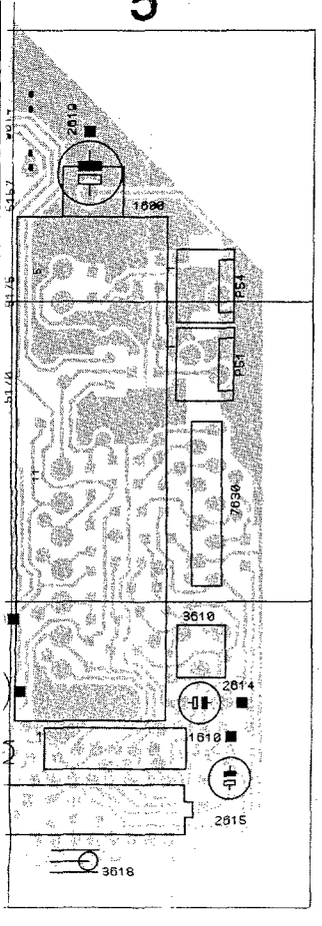
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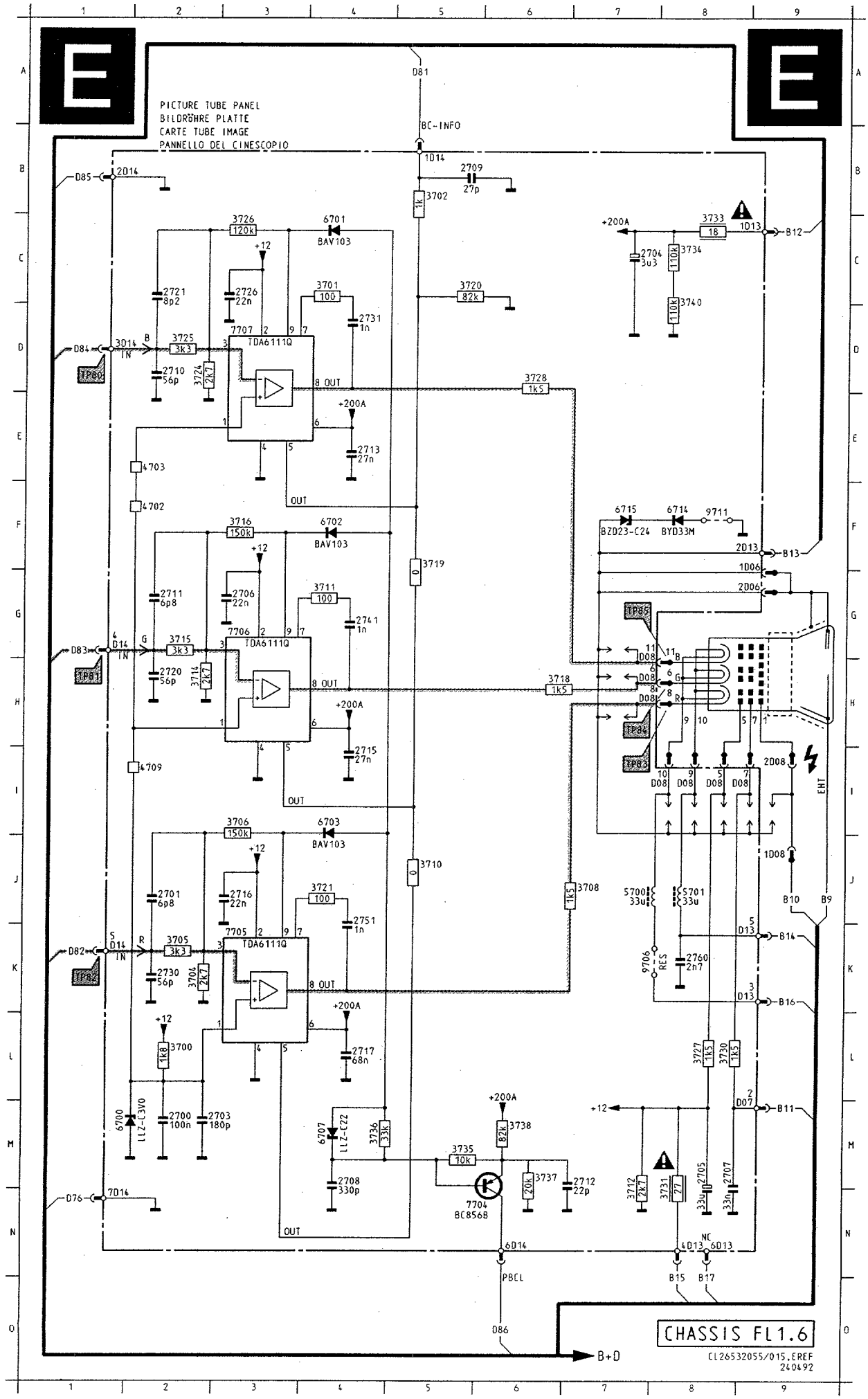


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1201 B4	2445 B2	3353 C4	3622 B5	7125 A4
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1500 B2	2447 B2	3376 A1	3625 B5	7200 B4
1600 B5	2448 B2	3377 B1	3626 B5	7210 B4
1610 C5	2449 C2	3378 B1	3630 B5	7233 C4
2103 B4	2450 B2	3380 A1	3631 B5	7234 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
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2125 A3	2466 C2	3385 A1	3636 B5	7338 C1
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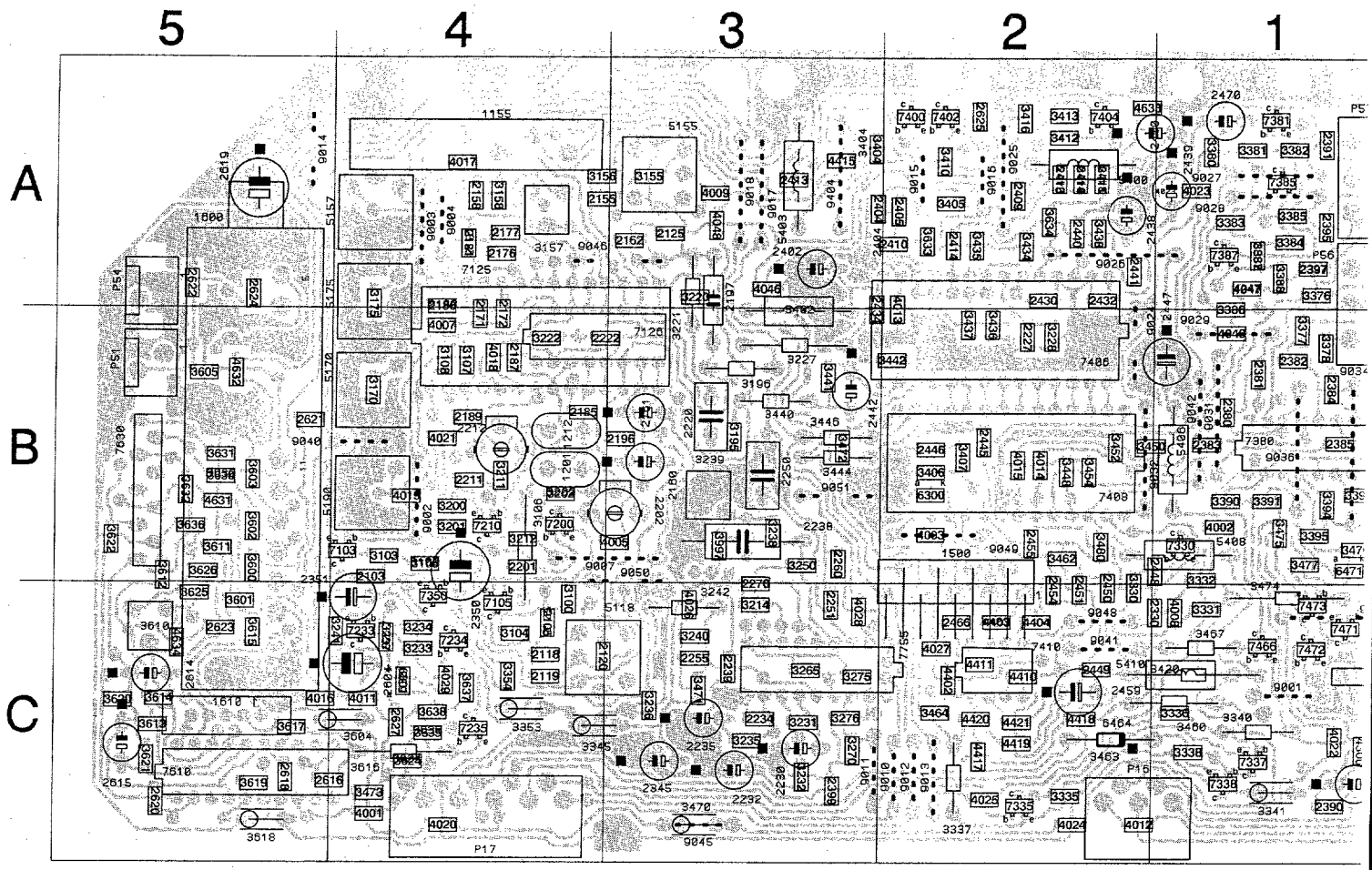


6.31 CHASSIS FL1.6 Platine TRC



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2707	M	8
2708	M	4
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2716	J	3
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2720	H	2
2721	C	2
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2741	G	4
2751	K	4
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3702	B	5
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3706	I	3
3708	J	7
3710	J	5
3711	G	4
3712	M	7
3714	H	2
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3727	L	8
3728	D	6
3730	L	8
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3733	C	8
3734	C	8
3735	M	5
3736	M	4
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3738	M	6
3740	C	8
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4703	E	2
4709	I	2
5700	J	7
5701	J	8
6700	M	1
6701	C	4
6702	F	4
6703	I	4
6707	M	4
6714	F	8
6715	F	7
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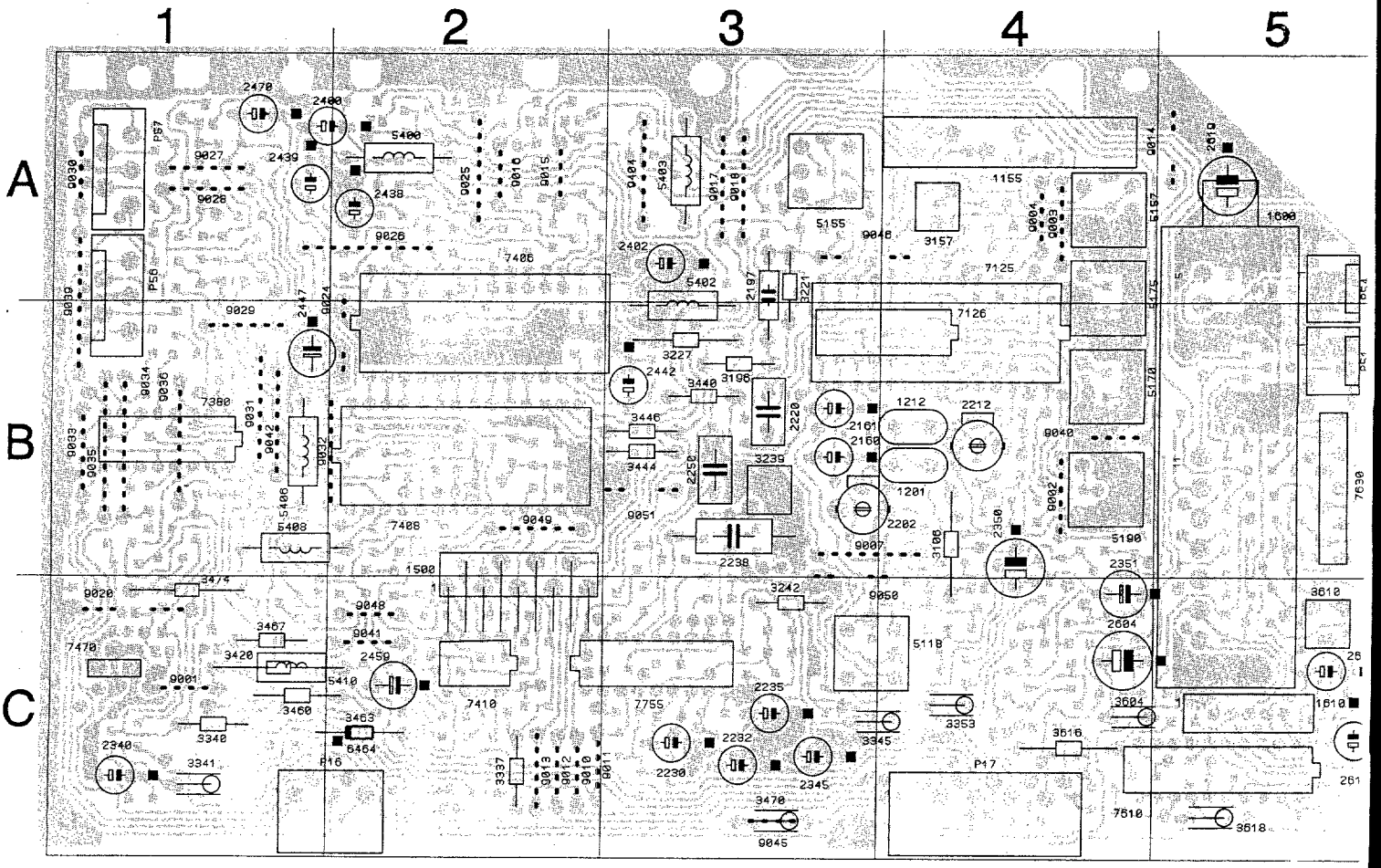
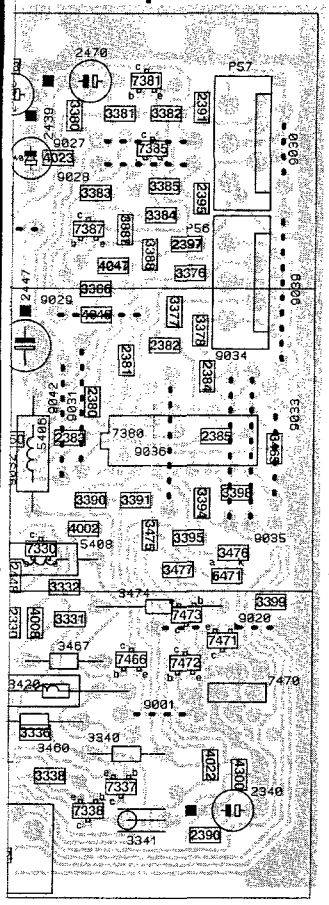
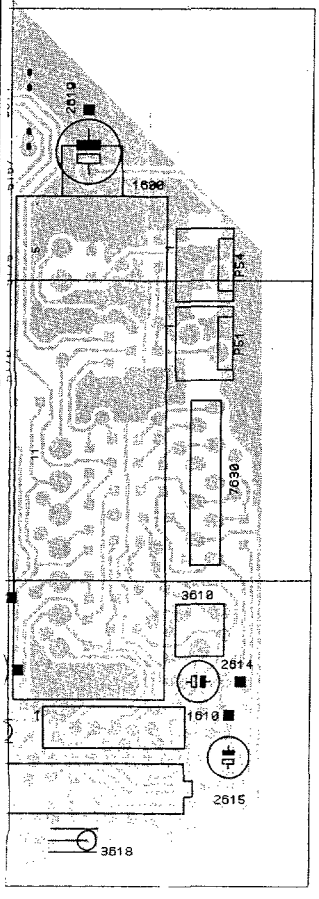


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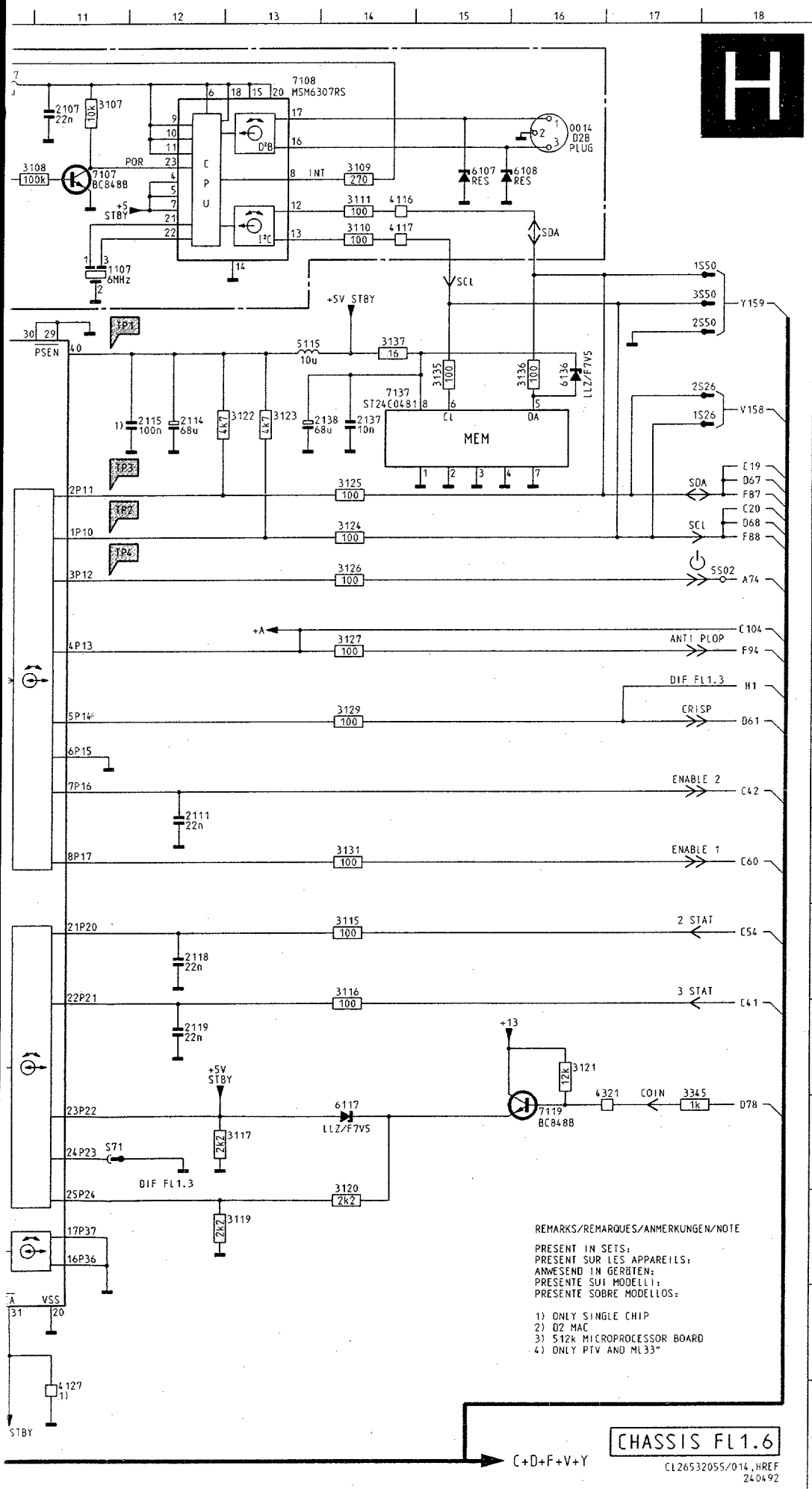
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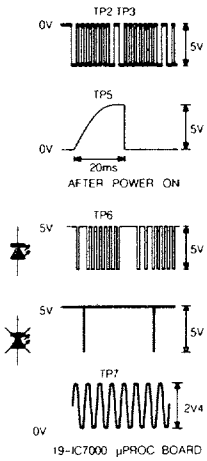
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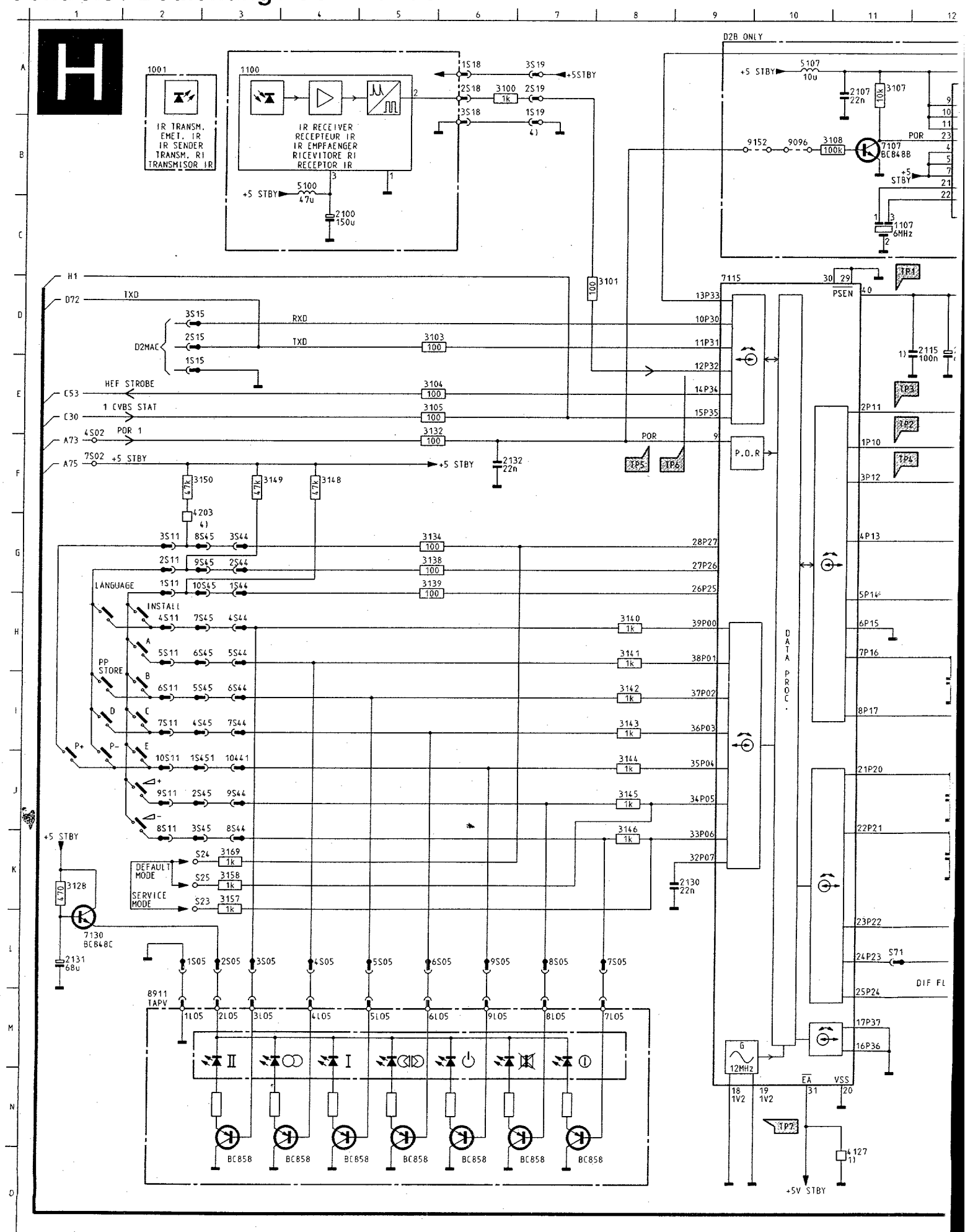
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P54 A5	2439 A2	3338 C1	3618 C5	6464 C2
P56 B1	2440 A2	3340 C1	3619 C5	6471 B1
P57 A1	2441 A2	3341 C1	3620 C5	7103 B5
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1500 B2	2447 B2	3376 A1	3625 B5	7200 B4
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1610 C5	2449 C2	3378 B1	3630 B5	7233 C4
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2105 C4	2451 B2	3381 A1	3632 B5	7235 C4
2118 C4	2454 B2	3382 A1	3633 A2	7330 B1
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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
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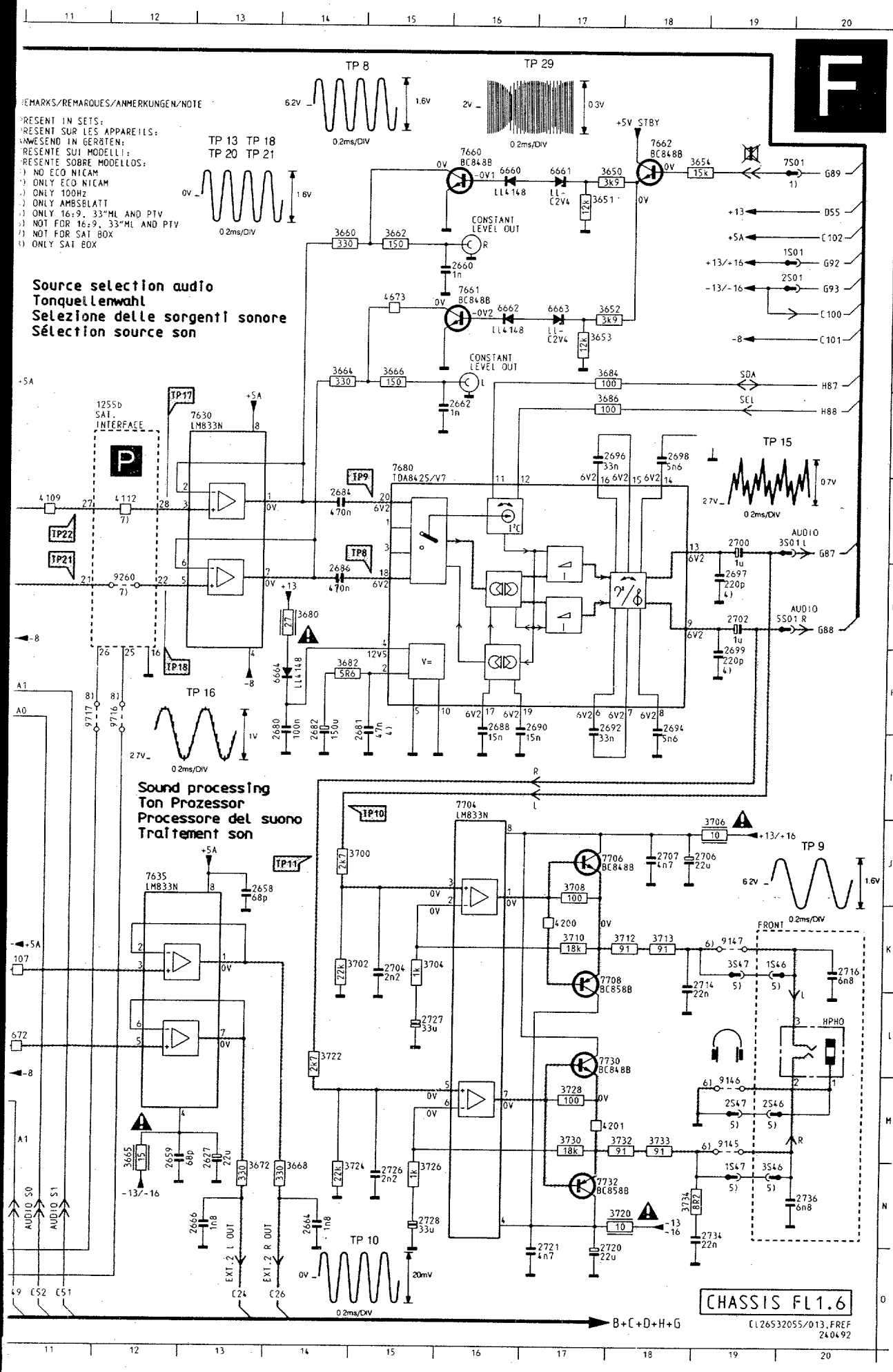
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	3110	B14
	3111	B14
	3115	J14
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	3117	L13
	3119	M13
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	3122	D13
	3123	D13
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E	3125	E14
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	3137	D14
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	4117	B14
	4127	O11
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	6108	B16
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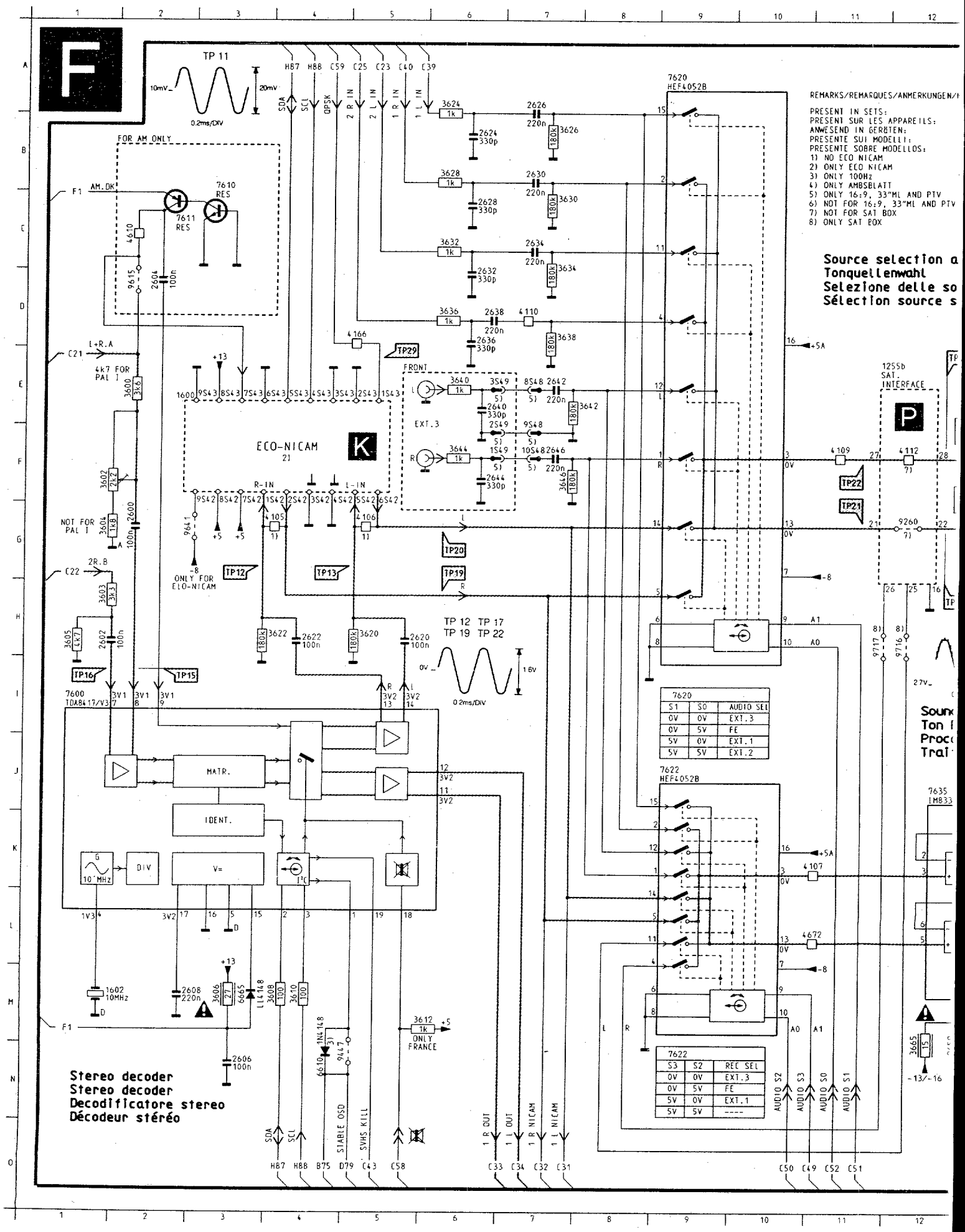

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TRANSM. RI
TRANSMISOR IR
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IR RECEIVER
RECEPTEUR IR
IR EMPFAENGER
RICEVITORE RI
RECEPTOR IR
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5100
47u
2100
150u
1S18
2S18
3S18
3S19
1S19
2S19
3100
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INSTALL
PP
STORE
3140
3141
3142
3143
3144
3145
3146
39P00
38P01
37P02
36P03
35P04
34P05
33P06
32P07
2130
22n
S24
S25
S23
3169
3158
3157
DEFAULT
MODE
SERVICE
MODE
3128
470
7130
BC848C
2131
68u
1S05
2S05
3S05
4S05
5S05
6S05
9S05
8S05
7S05
8911
TAPV
1LO5
2LO5
3LO5
4LO5
5LO5
6LO5
9LO5
8LO5
7LO5
BC858
G
12MHz
EA
VSS
18
1V2
19
1V2
31
20
4127
11
+5V STBY
S71
DIF FL

Traitement audio

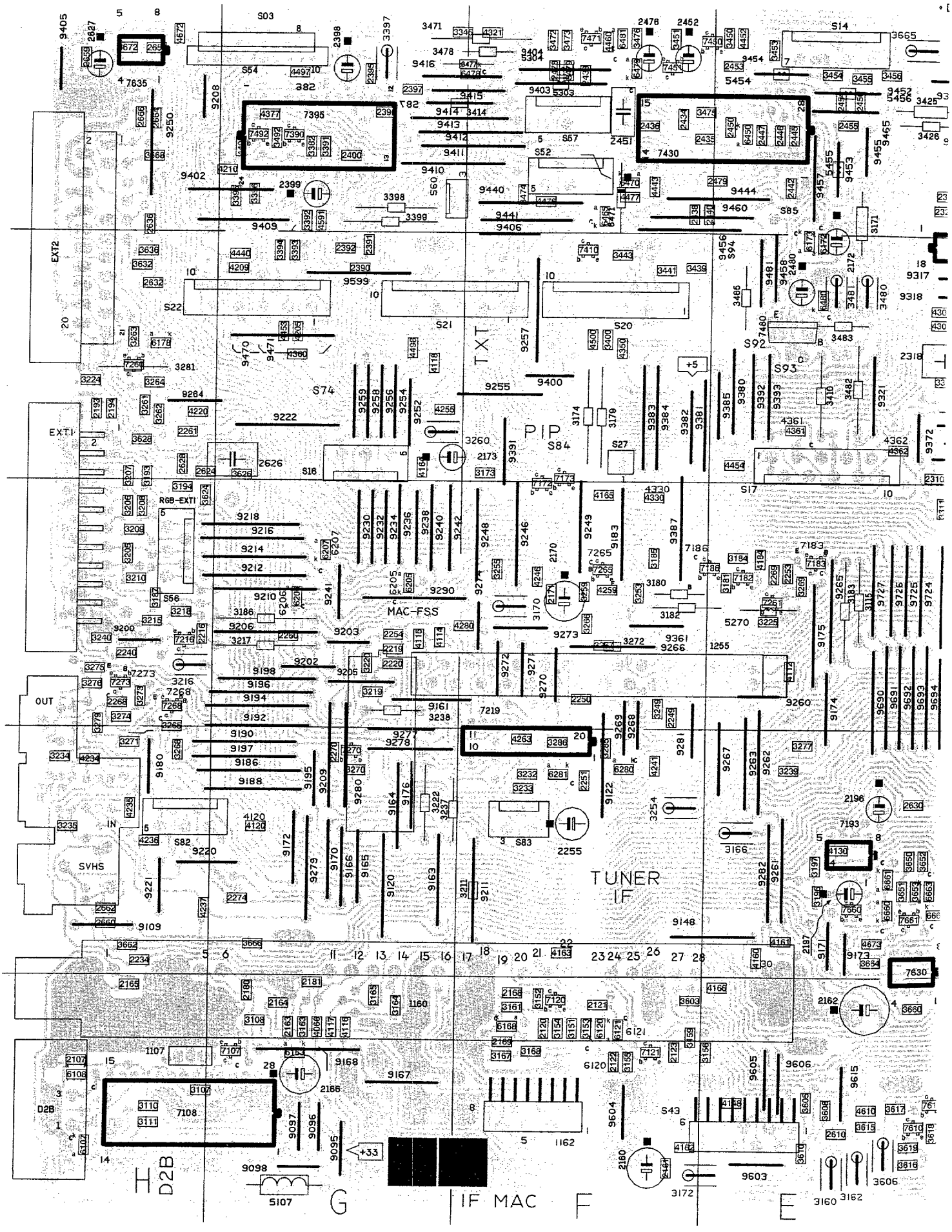


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	1600	E 2	4112	F12
	1602	M 1	4166	D 5
	2600	G 2	4200	K17
A	2602	H 1	4201	M17
	2604	D 2	4610	C 2
	2606	N 3	4672	L11
	2608	M 2	4673	C15
	2620	H 5	6610	N 4
	2622	H 4	6660	B16
	2624	B 6	6661	B17
	2626	A 7	6662	D16
B	2627	M13	6663	D17
	2628	C 6	6664	H14
	2630	B 7	6665	M 3
	2632	D 6	7600	I 1
	2634	C 7	7610	B 3
	2636	D 6	7611	C 2
	2638	D 6	7620	A 9
	2640	E 6	7622	J 9
C	2642	E 7	7630	E12
	2644	F 6	7635	J12
	2646	F 7	7660	B16
	2658	J13	7661	C16
	2659	M12	7662	B18
	2660	C16	7680	E15
	2662	E16	7704	I16
D	2664	N14	7706	J17
	2666	N13	7708	K17
	2680	H14	7730	L17
	2681	H15	7732	N17
	2682	H14	9145	M19
	2684	F14	9146	M19
	2686	G14	9147	K19
	2688	H16	9260	G12
E	2690	H16	9447	N 5
	2692	H17	9615	D 2
	2694	H18	9641	G 2
	2696	E17	9716	H12
	2697	G19	9717	H11
	2698	E18		
	2699	H19		
F	2700	F19		
	2702	G19		
	2704	K15		
	2706	J18		
	2707	J18		
	2714	K18		
	2716	K20		
	2720	O17		
G	2721	O17		
	2726	N15		
	2727	L15		
	2728	N15		
	2734	N19		
	2736	N20		
	3600	E 2		
	3602	F 1		
H	3603	H 1		
	3604	G 1		
	3605	H 1		
	3606	M 3		
	3608	M 4		
	3610	M 4		
	3612	M 6		
I	3620	H 5		
	3622	H 3		
	3624	A 6		
	3626	B 7		
	3628	B 6		
	3630	C 7		
	3632	C 6		
J	3634	C 7		
	3636	D 6		
	3638	D 7		
	3640	E 6		
	3642	E 7		
	3644	F 6		
	3646	F 7		
	3650	B17		
K	3651	B17		
	3652	D17		
	3653	D17		
	3654	B18		
	3660	C14		
	3662	C15		
	3664	D14		
	3665	M12		
L	3666	D15		
	3668	N14		
	3672	N13		
	3680	G14		
	3682	H14		
	3684	D17		
	3686	E17		
M	3700	J14		
	3702	K14		
	3704	K15		
	3706	J19		
	3708	J17		
	3710	K17		
	3712	K18		
	3713	K18		
N	3720	N18		
	3722	L14		
	3724	N14		
	3726	N15		
	3728	M17		
	3730	M17		
	3732	M18		
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O	3734	N18		
	4105	G 4		
	4106	G 5		
	4107	K11		
	4109	F11		

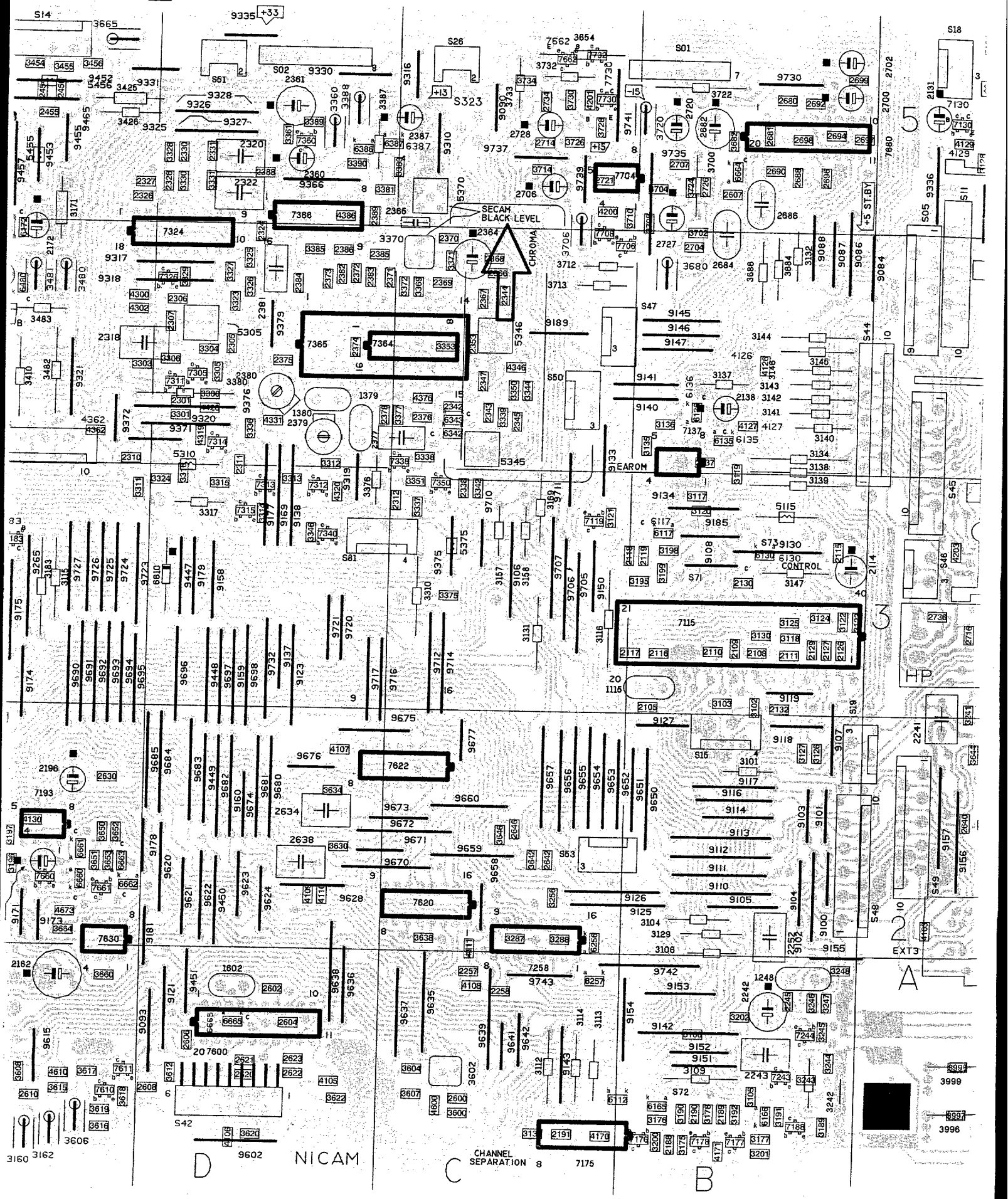
REMARKS/REMARQUES/ANMERKUNGEN/NOTE
PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
1) NO ECO NICAM
2) ONLY ECO NICAM
3) ONLY 100Hz
4) ONLY AMBSBLATT
5) ONLY 16:9, 33"ML AND PTV
6) NOT FOR 16:9, 33"ML AND PTV
7) NOT FOR SAT BOX
8) ONLY SAT BOX

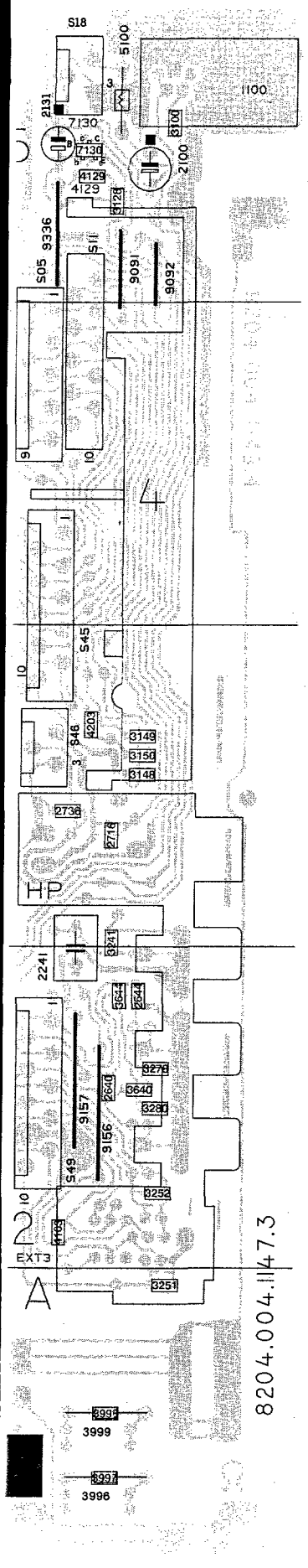

F
TP 11
10mV
20mV
0.2ms/DIV
FOR AM ONLY
AM.DK
7610 RES
7611 RES
ECO-NICAM
K
R-IN
L-IN
ONLY FOR ECO-NICAM
NOT FOR PAL I
4k7 FOR PAL I
L+R.A
2R.B
TP 12 TP 17
TP 19 TP 22
0V
1.6V
0.2ms/DIV
7600 TDA8417/V3
MATR.
IDENT.
DIV
V=
7620 HEF4052B
7622 HEF4052B
7620
S1 S0 AUDIO SEL
0V 0V EXT.3
0V 5V FE
5V 0V EXT.1
5V 5V EXT.2
7622
S3 S2 REC SEL
0V 0V EXT.3
0V 5V FE
5V 0V EXT.1
5V 5V ----
AUDIO S2
AUDIO S3
AUDIO S0
AUDIO S1
1255b SAT. INTERFACE
P
EXT.3
FRONT
ONLY FRANCE
STABLE OSD
SVHS KILL
1 R OUT
1 L OUT
1 R NICAM
1 L NICAM
7635 TM833
REMARKS/REMARQUES/ANMERKUNGEN/
PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
1) NO ECO NICAM
2) ONLY ECO NICAM
3) ONLY 100Hz
4) ONLY AMBSBLATT
5) ONLY 16:9, 33"ML AND PTV
6) NOT FOR 16:9, 33"ML AND PTV
7) NOT FOR SAT BOX
8) ONLY SAT BOX
Source selection a
Tonquellenwahl
Selezione delle so
Sélection source s
Stereo decoder
Stereo decoder
Decodificatore stereo
Décodeur stéréo

Small signal panel / Klein-signal Platine /



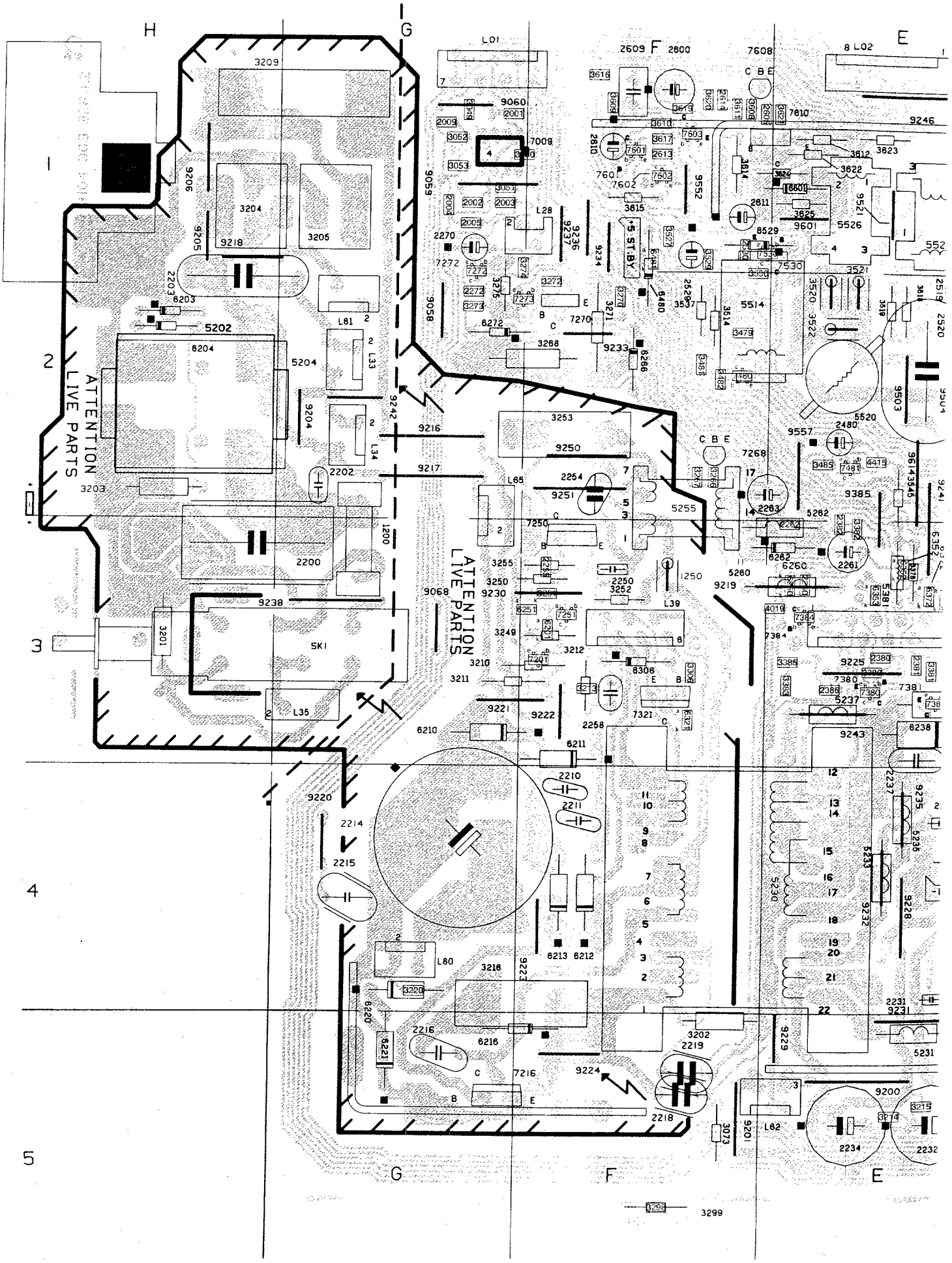
6.37 CHASSIS FL1.6 Platine à petite signaux





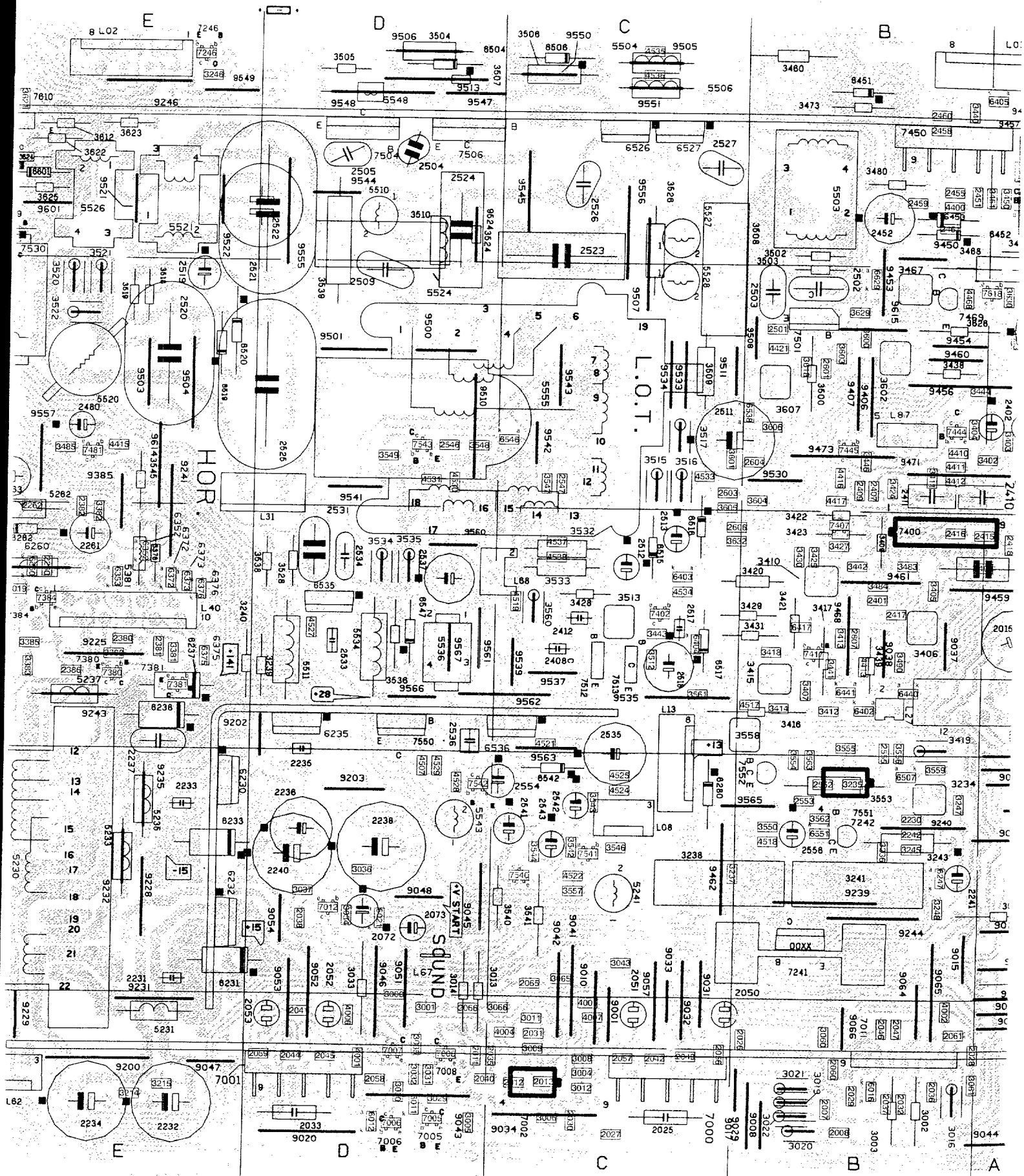
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EXT1 H3	2181 G1	2395 G5	3103 B3	3190 B1	3311 E3	3605 E1	4163 F2	6178 H4	7630 E1	9176 G2	9331 E5	9672 C2
EXT2 H4	2188 B1	2396 G5	3104 B2	3191 B1	3312 D4	3606 E1	4164 G4	6205 G3	7635 H5	9177 D3	9335 D5	9673 C2
EXT3 A3	2189 B1	2397 G5	3105 B1	3192 B1	3313 D3	3607 C1	4165 F3	6206 G3	7660 E2	9178 D2	9336 A5	9674 D2
SVHS H2	2190 B1	2398 G5	3106 B2	3193 H4	3314 D3	3608 E1	4166 E1	6207 G3	7661 E2	9179 D3	9361 F3	9675 D2
S01 B5	2191 C1	2399 G5	3107 H1	3194 H3	3315 D3	3610 E1	4170 C1	6256 C2	7662 C5	9180 H2	9366 D5	9676 D2
S02 D5	2193 H4	2400 G5	3108 G1	3195 B3	3316 D3	3612 D1	4171 B1	6257 C1	7680 B5	9181 D2	9371 D4	9677 C2
S03 H5	2194 H4	2433 F5	3109 B1	3196 E2	3317 D3	3615 E1	4184 E3	6280 F2	7704 C5	9183 F3	9372 E4	9680 D2
S05 A4	2196 E2	2434 F5	3110 H1	3197 E2	3323 D4	3616 E1	4200 C5	6281 F2	7706 C4	9185 B3	9375 C3	9681 D2
S11 A5	2197 E2	2435 F5	3111 H1	3198 B3	3324 D3	3617 E1	4201 C5	6342 C4	7708 C4	9186 G2	9376 D4	9682 D2
S14 E5	2216 H3	2436 F5	3112 C1	3199 B3	3325 D4	3618 E1	4203 A3	6343 C4	7730 C5	9188 G2	9379 D4	9683 D2
S15 B2	2219 G3	2438 F5	3113 C1	3200 B1	3326 D4	3619 E1	4205 G4	6386 D5	7732 C5	9189 C4	9380 E4	9684 D2
S16 G4	2220 G3	2440 F5	3114 C1	3201 B1	3327 D4	3620 D1	4209 G4	6387 D5	9084 B4	9190 G2	9381 F4	9685 D2
S17 E4	2234 H2	2442 E5	3115 E3	3202 B1	3328 D5	3622 D1	4210 G5	6460 E5	9086 B4	9192 G3	9382 F4	9690 E3
S18 A5	2240 H3	2445 E5	3116 C3	3205 H3	3329 D4	3624 H3	4220 H4	6465 F5	9087 B4	9194 G3	9383 F4	9691 E3
S19 B2	2241 A2	2446 E5	3117 B3	3206 H3	3330 D5	3626 G4	4234 H2	6470 F5	9088 B4	9196 G2	9384 F4	9692 E3
S20 F4	2242 B1	2447 E5	3118 B3	3207 H4	3331 D5	3628 H4	4235 H2	6471 F5	9090 C5	9196 G3	9385 E4	9693 E3
S21 F4	2243 B1	2450 E5	3119 B4	3208 H3	3336 D4	3630 D2	4236 H2	6478 G5	9091 A5	9197 G2	9387 F3	9694 E3
S22 G4	2245 B1	2451 F5	3120 B3	3209 H3	3337 C3	3632 H4	4237 H2	6479 F5	9092 A5	9198 G3	9391 F4	9695 E3
S26 C5	2249 F3	2452 F5	3121 C3	3210 H3	3338 C4	3634 D2	4241 F2	6480 E4	9093 D1	9200 H3	9392 E4	9696 D3
S27 F4	2250 F3	2453 E5	3122 B3	3211 F2	3339 C4	3636 H4	4246 F3	6481 F5	9095 G1	9202 G3	9393 E4	9697 D3
S42 D1	2251 F2	2454 E5	3123 B3	3215 H3	3342 C3	3638 C2	4255 G4	6610 D3	9096 G1	9203 G3	9400 F4	9698 D3
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S46 A3	2255 F2	2478 F5	3127 B2	3219 G3	3350 C4	3646 C2	4300 E4	6663 E2	9101 B2	9209 G2	9405 H5	9710 C3
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2172 E4	2390 G4	3100 A5	3187 H3	3305 D4	3602 C1	4160 E2	6168 F1	7611 E1	9173 E2	9327 D5	9660 C2	
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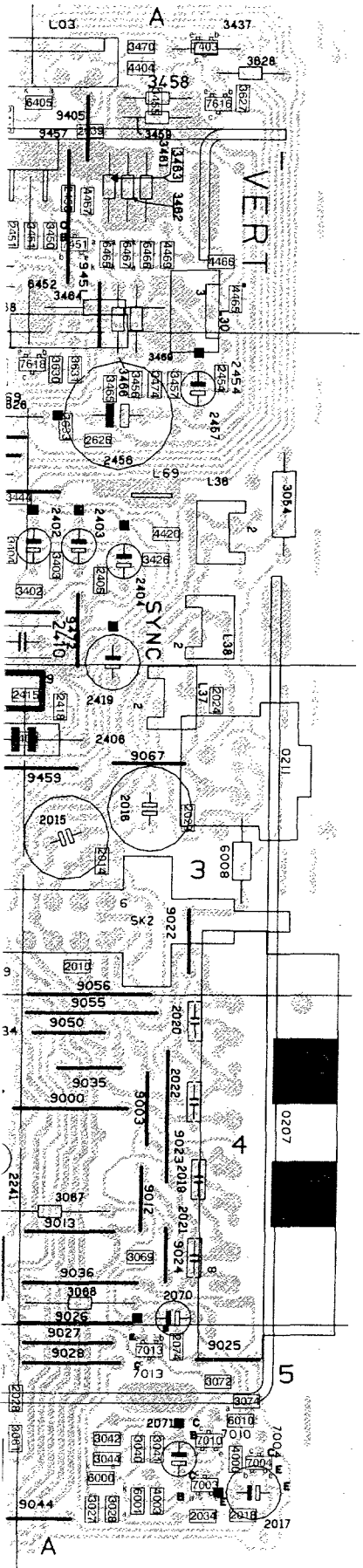
Large signal panel / Groß-signal Platine / Plati



Platine forts signaux

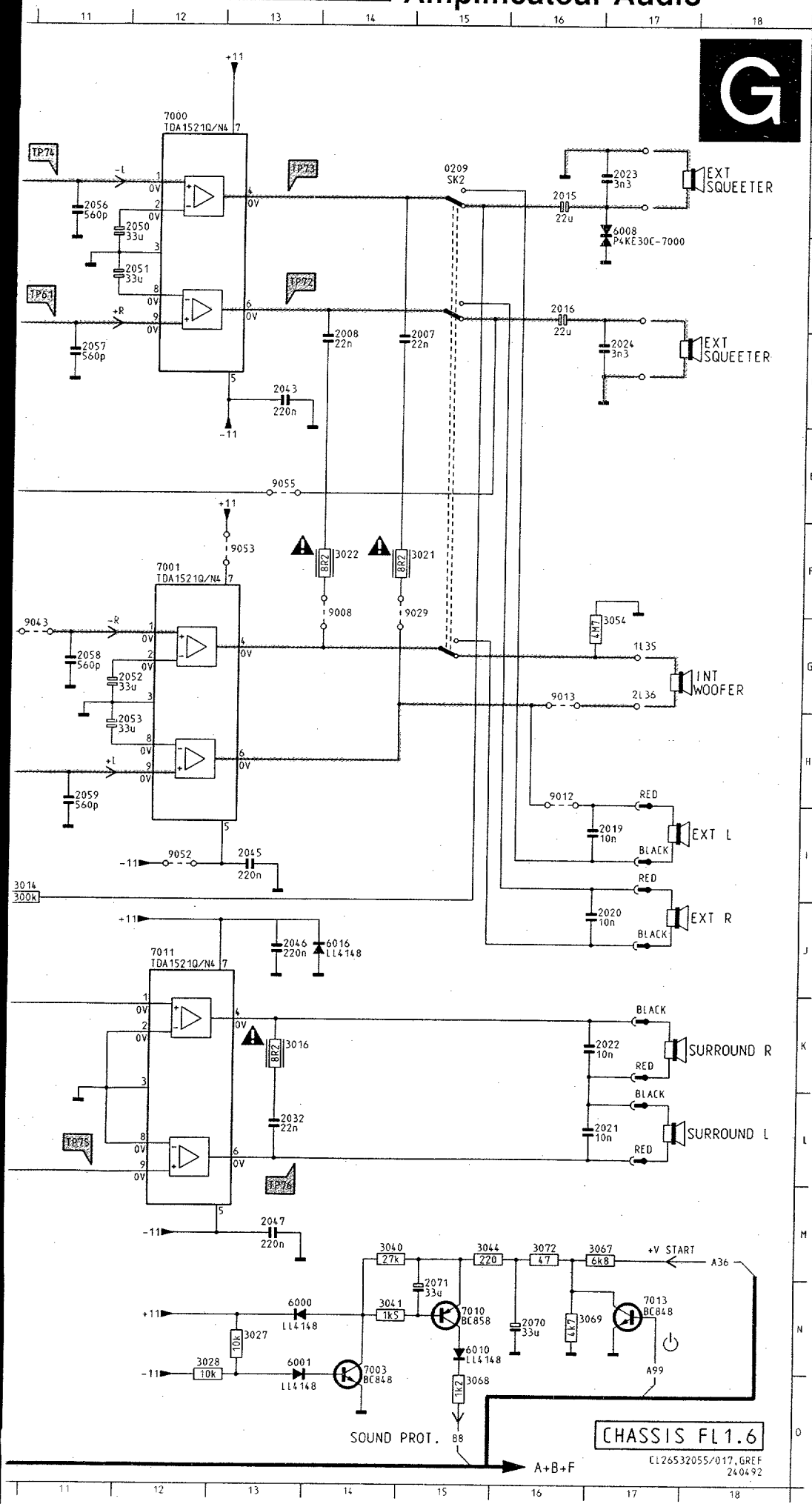
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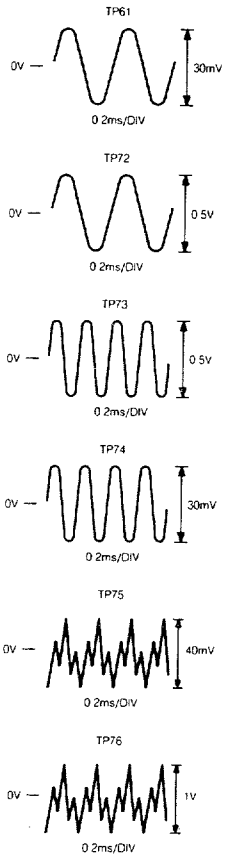


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L31 E2	2202 G2	2533 D3	3213 F3	3459 A1	3608 F1	5521 E1	7002 C5	9043 D5	9513 D1
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1200 G3	2250 F3	2607 B3	3252 F3	3490 B3	3630 A2	6210 G3	7272 G1	9068 G3	9555 D1
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2003 G1	2260 E3	2613 F1	3267 F2	3504 D1	4000 A5	6216 F5	7381 E3	9203 D4	9561 D3
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2008 B5	2270 G1	3001 D5	3272 F2	3508 C2	4004 C5	6231 E4	7403 A1	9216 G2	9566 D3
2009 G1	2272 G2	3002 B5	3273 G2	3509 C2	4005 C5	6232 E4	7407 B3	9217 G2	9567 D3
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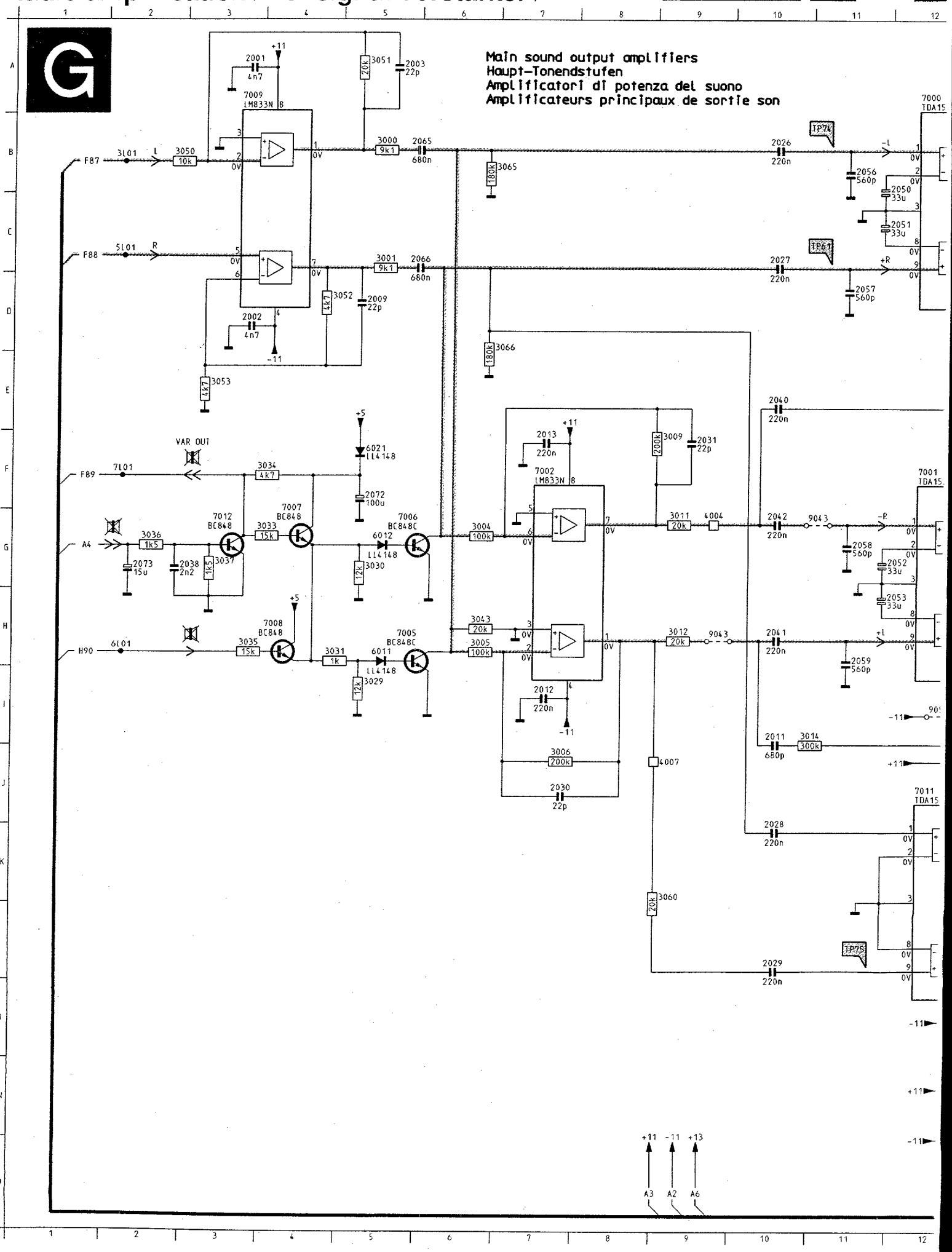
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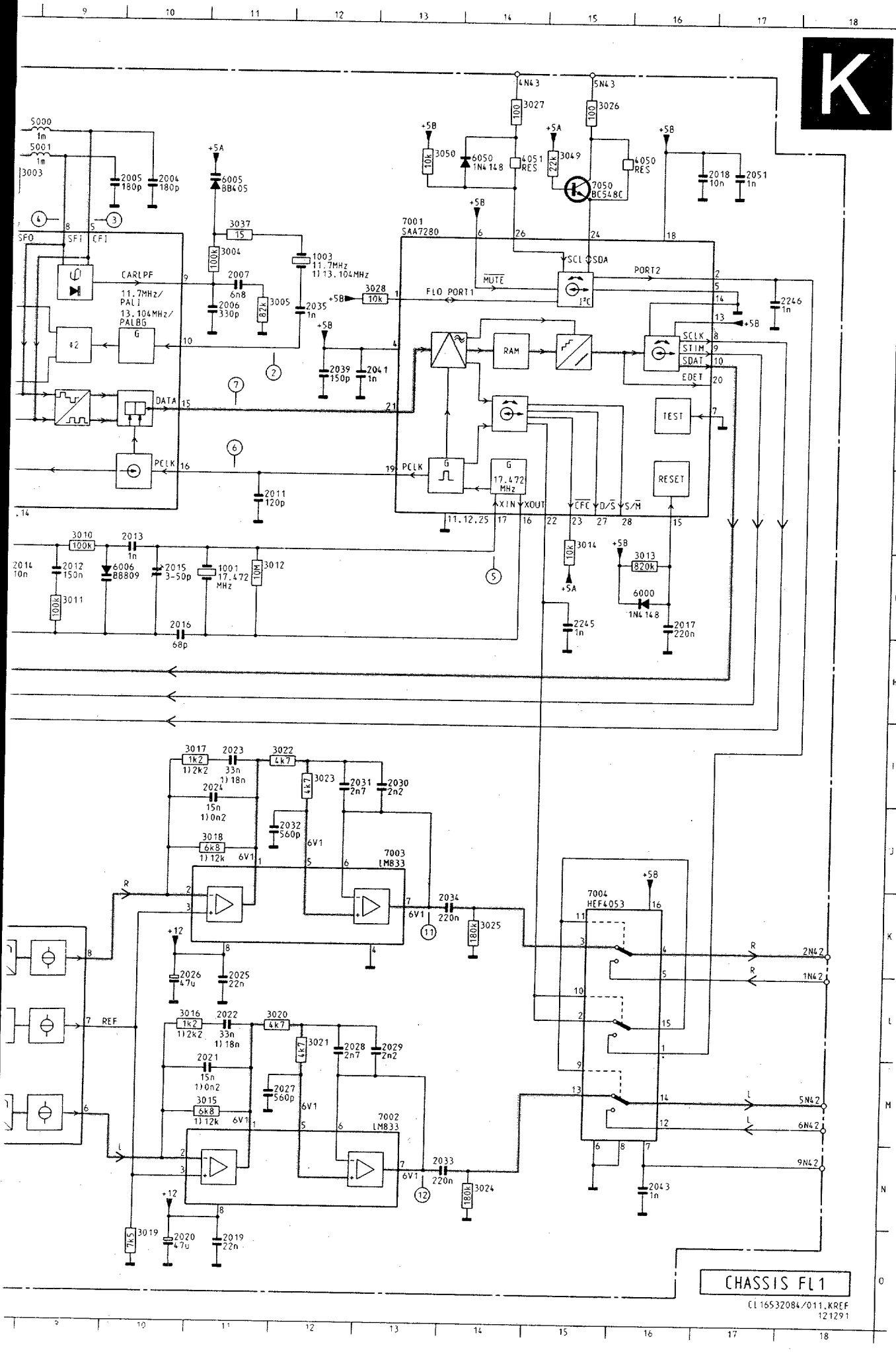


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	2003	A 5		
A	2007	D14		
	2008	D14		
	2009	D 5		
	2011	I 10		
	2012	I 7		
	2013	F 7		
	2015	B16		
	2016	C16		
B	2019	I 17		
	2020	J 17		
	2021	L 17		
	2022	K 17		
	2023	B17		
	2024	D17		
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	2056	B11		
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	2058	G11		
	2059	H11		
	2065	B 5		
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	3004	G 6		
G	3005	H 6		
	3006	J 7		
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	3031	H 4		
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	3035	H 3		
	3036	G 2		
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	3040	M14		
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	6000	N13		
L	6001	N13		
	6008	B17		
	6010	N15		
	6011	H 5		
	6012	G 5		
	6016	J14		
	6021	F 5		
M	7000	A12		
	7001	F12		
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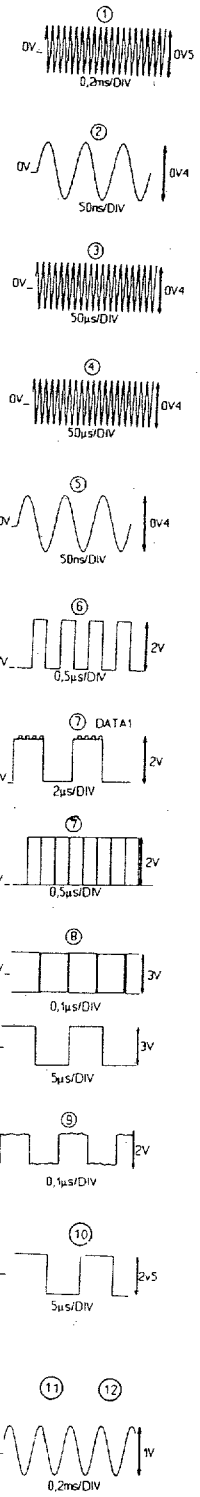


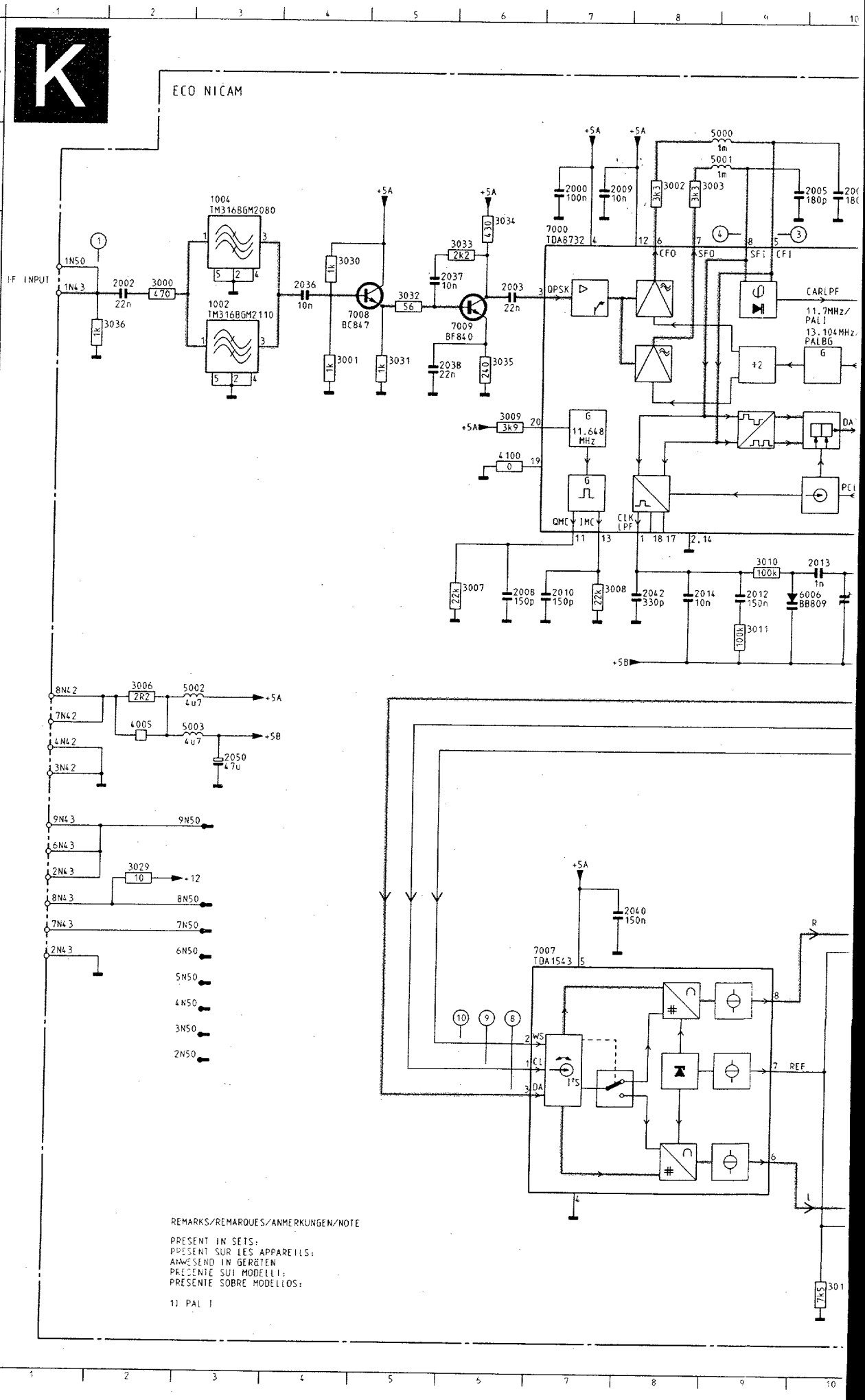
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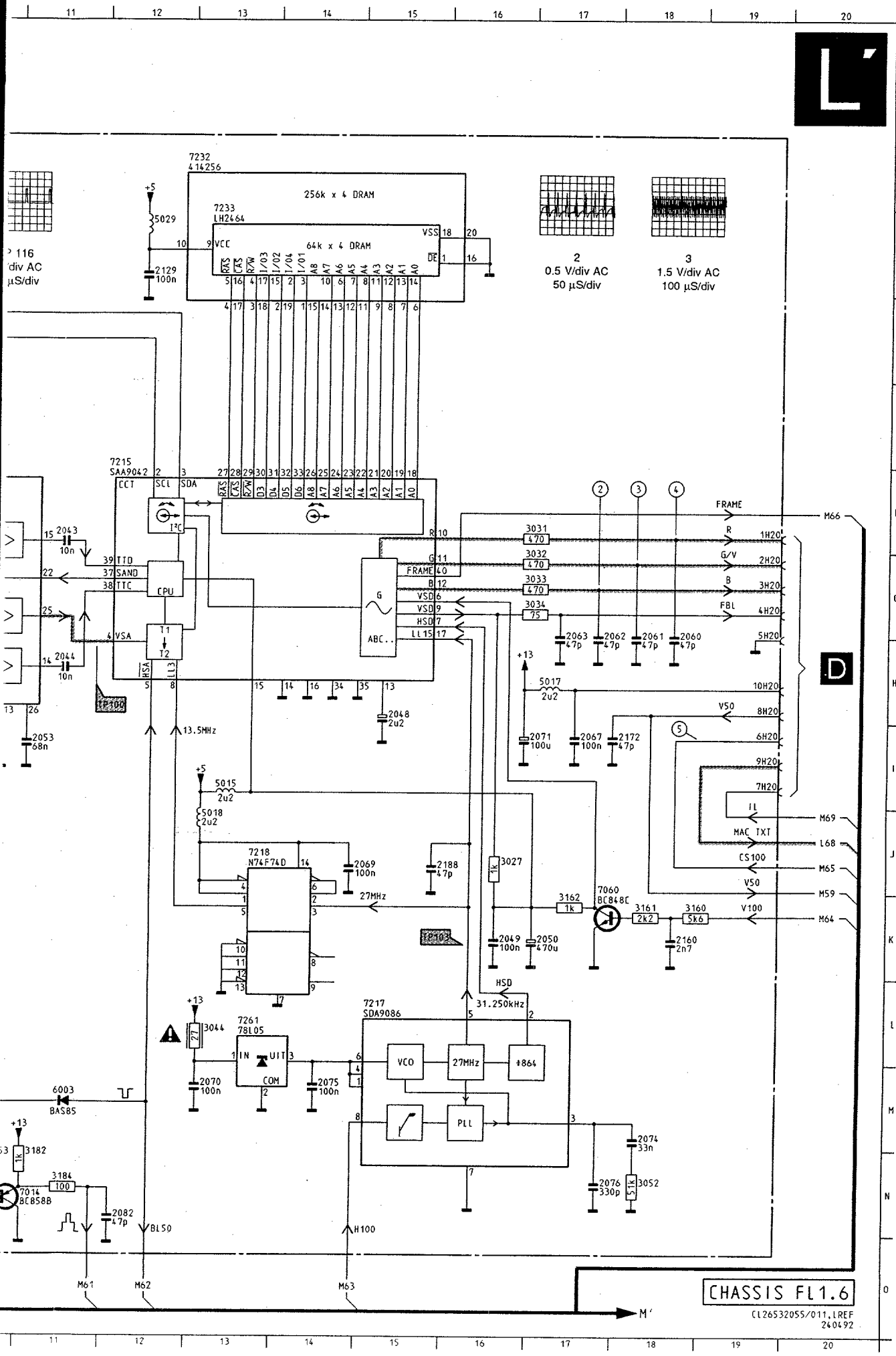

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Main sound output amplifiers
Haupt-Tonendstufen
Amplificatori di potenza del suono
Amplificateurs principaux de sortie son
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7002 LM833N
7000 TDA15
7001 TDA15
7011 TDA15
7012 BC848
7007 BC848
7008 BC848
7006 BC848C
7005 BC848C
6021 LL4148
6012 LL4148
6011 LL4148
VAR OUT
F87
F88
F89
A4
H90
3L01
5L01
7L01
6L01
+11
-11
+5
+13
A3
A2
A6



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	1002	D 3
	1003	C12
	1004	B 3
A	2000	B 7
	2002	C 2
	2003	C 6
	2004	B10
	2005	B 9
	2006	D11
	2007	C11
	2008	G 6
B	2009	B 7
	2010	G 7
	2011	F11
	2012	G 9
	2013	F10
	2014	G 8
	2015	G10
	2016	G10
C	2017	G16
	2018	B16
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	2021	M11
	2022	L11
	2023	I11
	2024	J11
D	2025	L11
	2026	L10
	2027	M12
	2028	L12
	2029	L13
	2030	I13
	2031	I12
E	2032	J12
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	2037	C 5
	2038	D 5
F	2039	D12
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	2043	N16
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	3002	B 8
	3003	B 8
	3004	C11
	3005	D11
	3006	H 2
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	3008	G 7
	3009	E 6
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	3035	D 6
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L	3037	C11
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	4051	B14
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M	5000	B 9
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	5003	H 3
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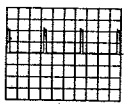

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0V
0V5
0,2ms/DIV
②
0V
0V4
50ns/DIV
③
0V
0V4
50µs/DIV
④
0V
0V4
50µs/DIV
⑤
0V
0V4
50ns/DIV
⑥
1V
2V
0,5µs/DIV
⑦ DATA1
1V
2V
2µs/DIV
⑦
1V
2V
0,5µs/DIV
⑧
0V
3V
0,1µs/DIV
0V
3V
5µs/DIV
⑨
0V
2V
0,1µs/DIV
⑩
0V
2v5
5µs/DIV
⑪ ⑫
0V
1V
0,2ms/DIV


K
ECO NICAM
IF INPUT
1N50
1N43
2002 22n
3000 470
3036 1k
1004 TM316BGM2080
1002 TM316BGM2110
2036 10n
3030 1k
3001 1k
3031 1k
7008 BC847
3032 56
3033 2k2
2037 10n
2038 22n
7009 BF840
3034 430
3035 240
2003 22n
+5A
7000 TDA8732
2000 100n
2009 10n
3002 3k3
3003 3k3
5000 1m
5001 1m
2005 180p
CFO
SFO
SFI
CFI
QPSK
CARLPF
11.7MHz/ PALI
13.104MHz PALBG
÷2
3009 3k9
11.648 MHz
4100 0
QMC
IMC
CLK
LPF
3007 22k
2008 150p
2010 150p
3008 22k
2042 330p
2014 10n
2012 150n
3010 100k
3011 100k
2013 1n
6006 BB809
+5B
8N42
7N42
4N42
3N42
3006 2R2
4005
5002 4u7
5003 4u7
2050 47u
9N43
6N43
2N43
8N43
7N43
2N43
3029 10
+12
9N50
8N50
7N50
6N50
5N50
4N50
3N50
2N50
2040 150n
7007 TDA1543
WS
CL
DA
I²S
REF
R
L
3013 7k5
REMARKS/REMARQUES/ANMERKUNGEN/NOTE
PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
1) PAL I

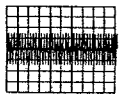


1002	I 9	7232	B12
2039	G 5	7233	C13
2040	G 6	7261	L13
2041	I 10		
2042	E 9		
2043	F11		
2044	H11		
2045	H 5		
2046	H 3		
2047	I 9		
2048	H15		
2049	K16		
2050	K17		
2051	I 3		
2052	H 5		
2053	I 11		
2054	I 6		
2055	I 7		
2056	J 7		
2057	I 8		
2058	I 8		
2059	I 9		
2060	H18		
2061	H18		
2062	H17		
2063	H17		
2064	N 4		
2065	N 5		
2066	K 8		
2067	I 17		
2068	N 4		
2069	J14		
2070	M13		
2071	I 16		
2072	M 2		
2073	L 3		
2074	M18		
2075	M14		
2076	N17		
2077	K 4		
2078	K 6		
2079	J 7		
2080	J 4		
2081	K 5		
2082	N12		
2129	C12		
2153	N 9		
2160	K18		
2172	I 18		
2184	H 4		
2188	J15		
3019	G 5		
3020	D 8		
3023	E 8		
3024	G 4		
3025	G 4		
3026	H 2		
3027	J16		
3028	H 4		
3029	I 4		
3030	H 5		
3031	F17		
3032	G17		
3033	G17		
3034	G17		
3035	I 4		
3036	I 6		
3037	N 4		
3038	N 8		
3039	N 7		
3040	M 3		
3041	N 4		
3042	N 8		
3043	K 3		
3044	L13		
3045	L 3		
3046	N10		
3047	N 6		
3048	K 5		
3049	J 5		
3050	K 5		
3051	J 7		
3052	N18		
3053	M10		
3054	K 7		
3117	M10		
3155	N 4		
3160	K18		
3161	K18		
3162	K17		
3169	I 5		
3170	I 6		
3171	J 4		
3180	N 6		
3182	M11		
3184	N11		
4001	F 4		
5014	I 9		
5015	I13		
5016	H 5		
5017	H17		
5018	J13		
6001	N 9		
6003	M11		
6011	J 5		
7010	I 5		
7011	G 4		
7012	H 4		
7013	M10		
7014	N11		
7060	J17		
7214	F 6		
7215	F12		
7216	K 4		
7217	L15		
7218	J13		

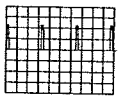
LFR BOX TXT-DECODER
DECODEUR TXT
DECODIFICATORE TELEVIDEO



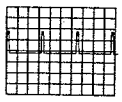
TP 100
2 V/div AC
20 µS/div



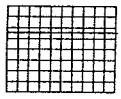
TP 103
0.5 V/div AC
2 µS/div



TP 114
2 V/div DC
20 µS/div



TP 116
5 V/div AC
20 µS/div



1
2 V/div DC
100 µS/div

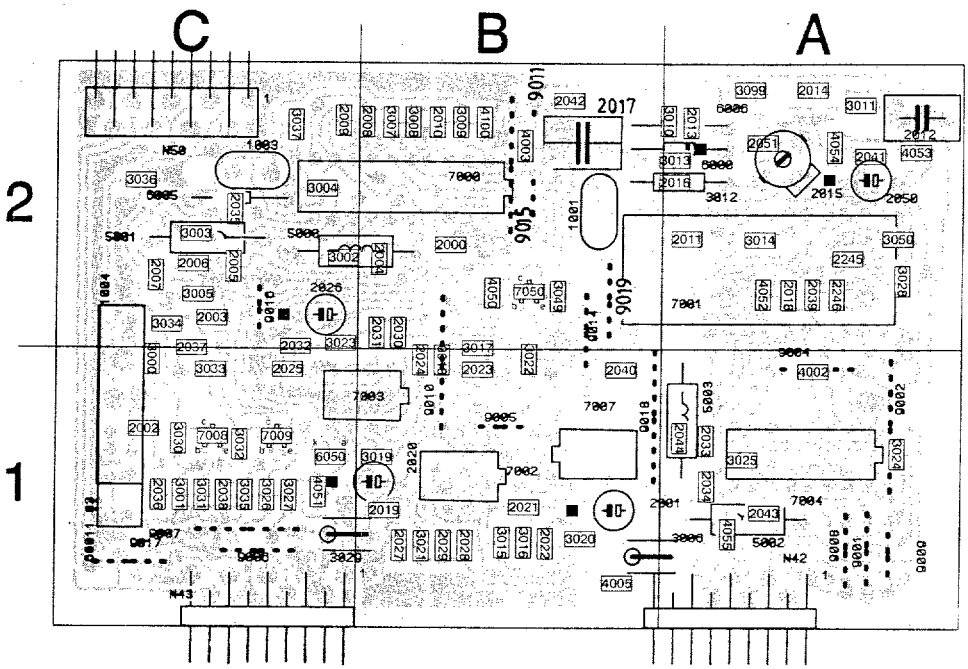
M54 SDA
M55 SCL
L68 MAC TXT
M56 CVBS
M57 SCAN PEAKING ON/OFF
M58 COINC
M59
M60
M61
M62

7214 SAA5231 VIP
7215 SAA9042 CCT
7216 TDA2579B SYNC.50
PROC.
13.8MHz
÷2
15625Hz
50Hz
TV IDENT.
1002 13.875MHz
TP100
TP116
TP114
BK50
V50

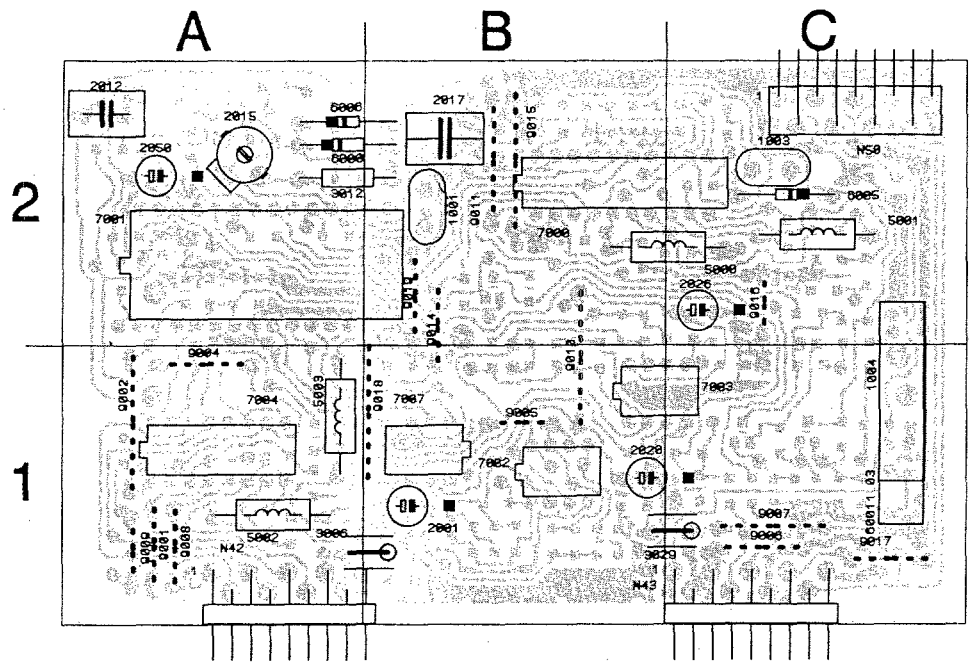
+13TXT
+12B
+13

7010 BC848C
7011 BC858B
7012 BC848B
7013 BC848B
7014 BC858B
6001 LLZ-5V1
6003 BAS85
6011 1N4148/RES

NICAM



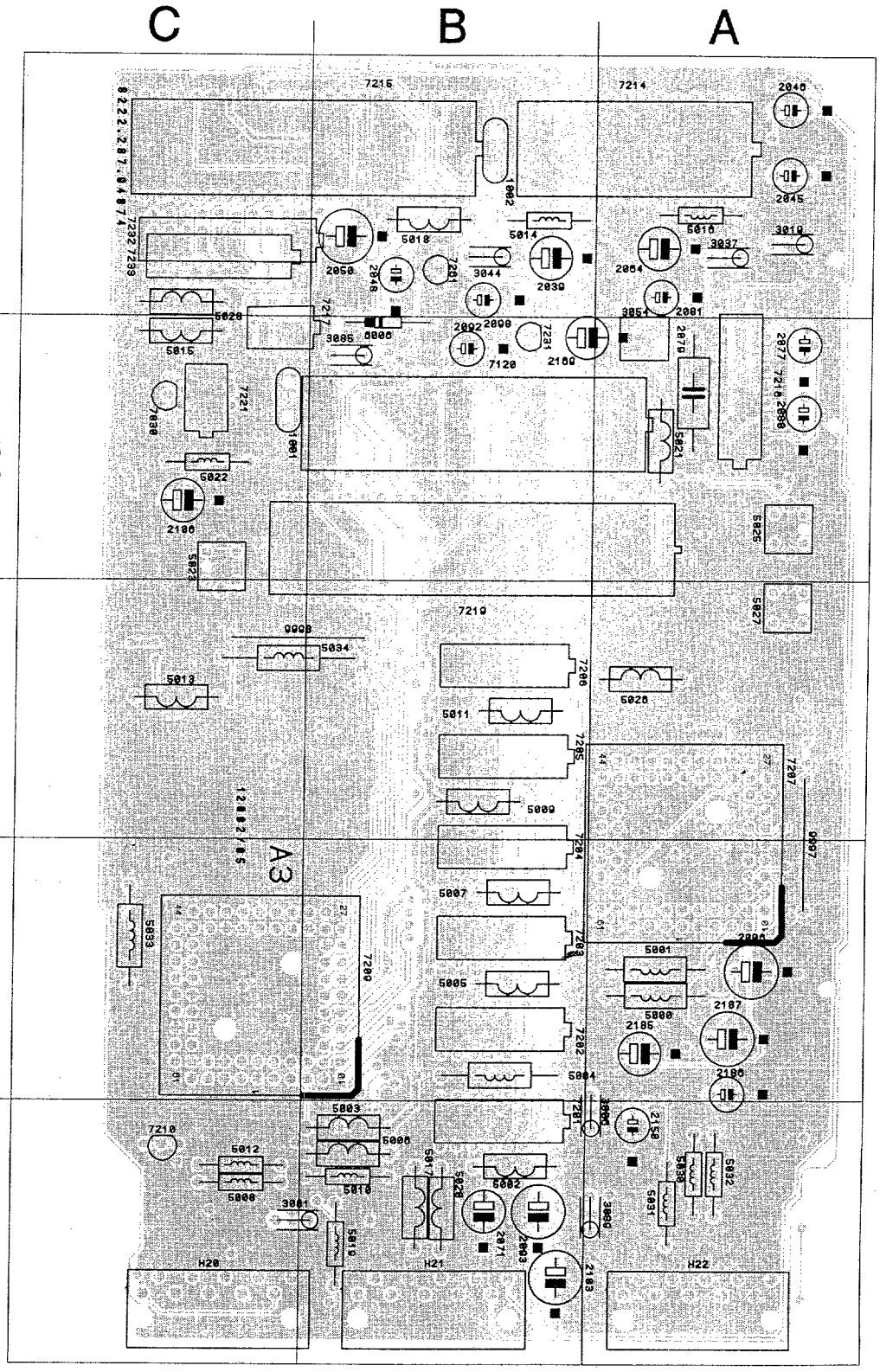
N42 A1	2010 B2	2026 C2	2042 B2	3009 B2	3024 A1	3099 A2	6000 A2	9004 A1
N43 C1	2011 A2	2027 B1	2043 A1	3009 B2	3025 A1	4002 A1	6001 C1	9005 B1
N50 C2	2012 A2	2028 B1	2044 A1	3010 A2	3026 C1	4003 B2	6005 C2	9006 C1
1001 B2	2013 A2	2029 B1	2050 A2	3011 A2	3027 C1	4005 B1	6006 A2	9007 C1
1003 C2	2014 A2	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	4061 C1	7000 B2	9009 A1
2000 B2	2016 A2	2032 C2	2246 A2	3014 A2	3030 C1	4062 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	



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	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	

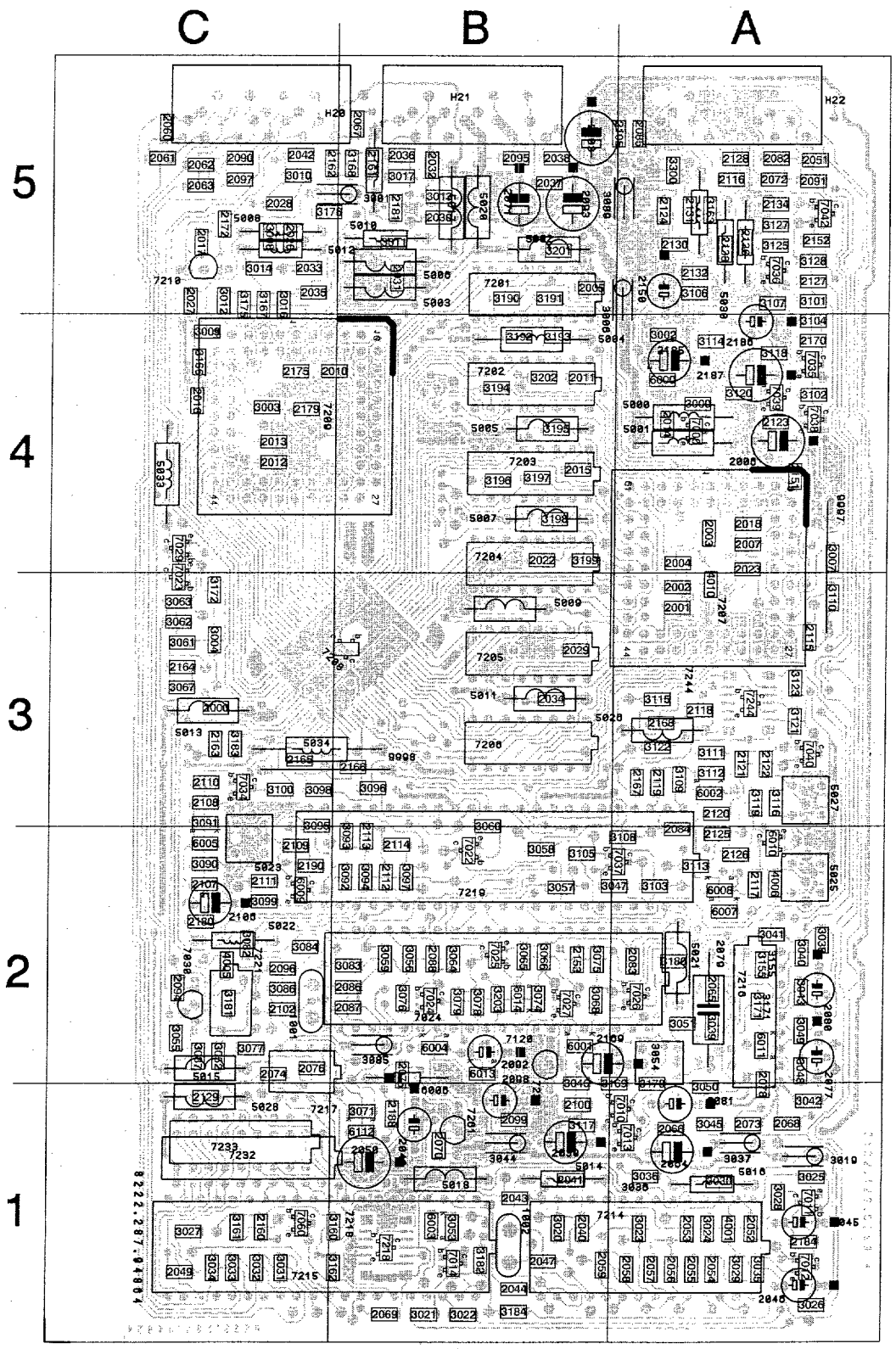
LFR Box

H20 C5
H21 B5
H22 A5
1001 C2
1002 B1
2006 A4
2039 B1
2045 A1
2046 A1
2048 B1
2050 B1
2064 A1
2071 B5
2077 A2
2079 A2
2080 A2
2081 A1
2092 B2
2093 B5
2098 B1
2103 B5
2106 C2
2150 A5
2169 A2
2185 A4
2186 A4
2187 A4
3001 B5
3006 A5
3019 A1
3037 A1
3044 B1
3054 A2
3085 B2
3089 A5
5000 A4
5001 A4
5002 B5
5003 B5
5004 B4
5005 B4
5006 B5
5007 B4
5008 C5
5009 B3
5010 B5
5011 B3
5012 C5
5013 C3
5014 B1
5015 C2
5016 A1
5017 B5
5018 B1
5019 B5
5020 B5
5021 A2
5022 C2
5023 C2
5025 A2
5026 A3
5027 A3
5028 C1
5030 A5
5031 A5
5032 A5
5033 C4
5034 C3
6006 B2
7030 C2

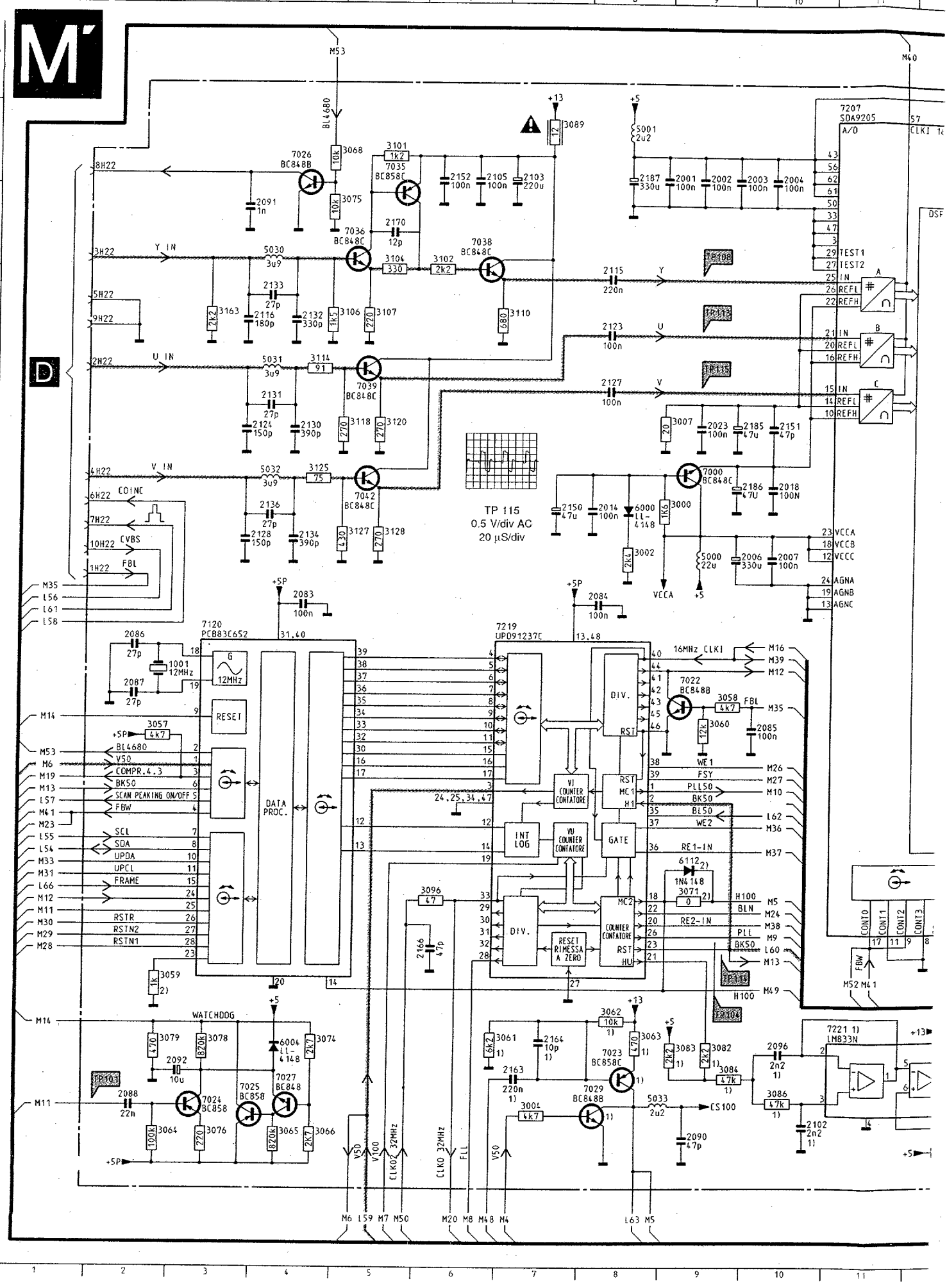


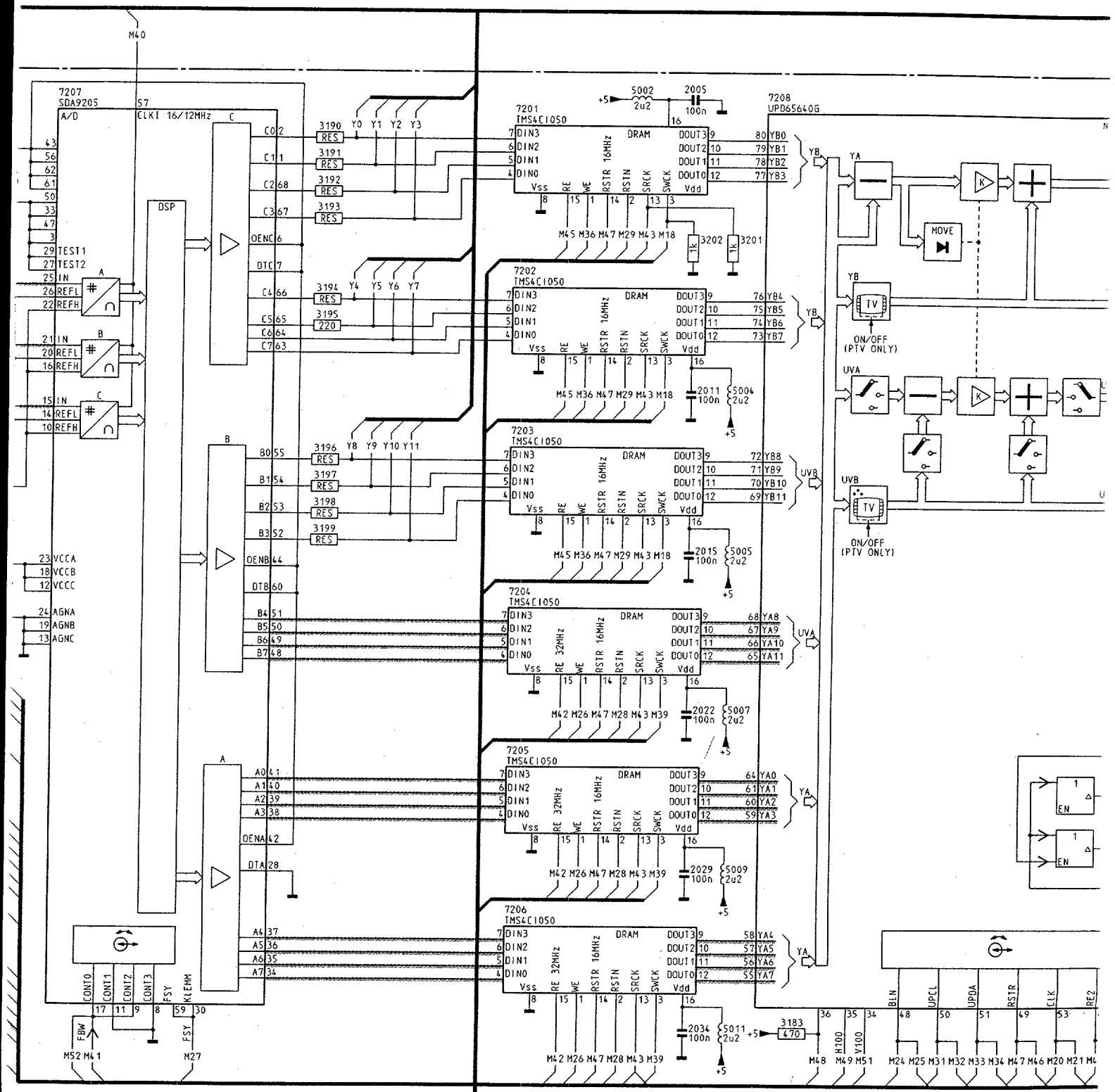
7120 B2
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7202 B4
7203 B4
7204 B4
7205 B3
7206 B3
7207 A4
7209 C4
7210 C5
7214 A1
7215 B1
7216 A2
7217 C2
7219 B2
7221 C2
7231 B2
7232 C1
7233 C1
7261 B1
9997 A4
9998 B3

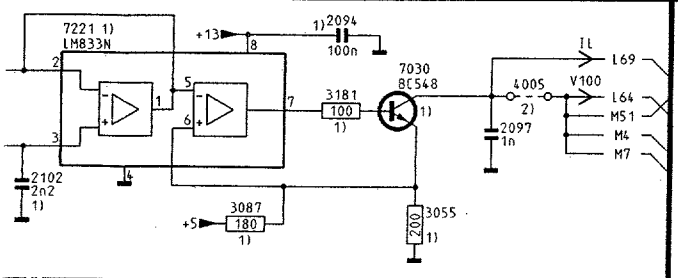
LFR Box

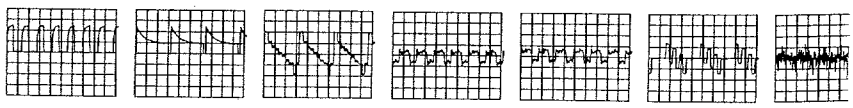


H20 C5
H21 B5
H22 A5
1001 C2
1002 B1
2000 C3
2001 A3
2002 A3
2003 A4
2004 A4
2005 B5
2006 A4
2007 A4
2010 B4
2011 B4
2012 C4
2013 C4
2014 A4
2015 B4
2016 C4
2017 C5
2018 A4
2022 B4
2023 A3
2026 C5
2027 C5
2028 C5
2029 B3
2030 B5
2031 B5
2032 B5
2033 C5
2034 B3
2035 C5
2036 B5
2037 B5
2038 B5
2039 B1
2040 B1
2041 B1
2042 C5
2043 B1
2044 B1
2045 A1
2046 A1
2047 B1
2048 B1
2049 C1
2050 B1
2051 A5
2052 A1
2053 A1
2054 A1
2055 A1
2056 A1
2057 A1
2058 A1
2059 A1
2060 C5
2061 C5
2062 C5
2063 C5
2064 A1
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2094 C2
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2097 C5
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2099 B1
2100 B1
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2105 A5
2106 C2
2107 C2
2108 C3
2109 C2
2110 C3
2111 C2
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2164 C3
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2166 B3
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3004 C3
3006 A5
3007 A4
3008 C5
3009 C4
3010 C5
3011 B5
3012 C5
3013 B5
3014 C5
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3170 A1
3171 A2
3172 C3
3175 C5
3176 C5
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3182 B1
3183 C3
3184 B1
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3195 B4
3196 B4
3197 B4
3198 B4
3199 B4
3201 B5
3202 B4
3203 B2
3300 A5
4001 A1
4005 C2
4006 A2
4010 A3
5000 A4
5001 A4
5002 B5
5003 B5
5004 B4
5005 B4
5006 B5
5007 B4
5008 C5
5009 B3
5010 B5
5011 B3
5012 C5
5013 C3
5014 B1
5015 C2
5016 A1
5017 B5
5018 B1
5019 B5
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5021 A2
5022 C2
5023 C2
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5034 C3
6000 A4
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6004 B2
6005 C2
6006 B2
6007 A2
6008 A2
6009 C2
6010 A2
6011 A2
6013 B2
6014 B2
6112 B1
7000 A4
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7215 B1
7216 A2
7217 C2
7218 B1
7219 B2
7221 C2
7231 B2
7232 C1
7233 C1
7244 A3
7261 B1
9997 A4
9998 B3


M'
D
TP 115
0.5 V/div AC
20 µS/div
7207
SDA9205
A/D
7120
PCB83C652
7219
UPD91237C
DATA PROC.
DIV.
RESET
INT LOG
GATE
WATCHDOG
7221 1)
LM833N
TEST1
TEST2
REFL
REFH
VCCA
VCCB
VCCC
AGNA
AGNB
AGNC
16MHz CLKI
BL4680
VSO
COMPR.4.3
BK50
SCAN PEAKING ON/OFF S
FBW
SCL
SDA
UPDA
UPCL
FRAME
RSTR
RSTN2
RSTN1
CS100
CONT0
CONT1
CONT2
CONT3







TP 101
2 V/div DC
10 mS/div

TP 104
2 V/div DC
20 µS/div

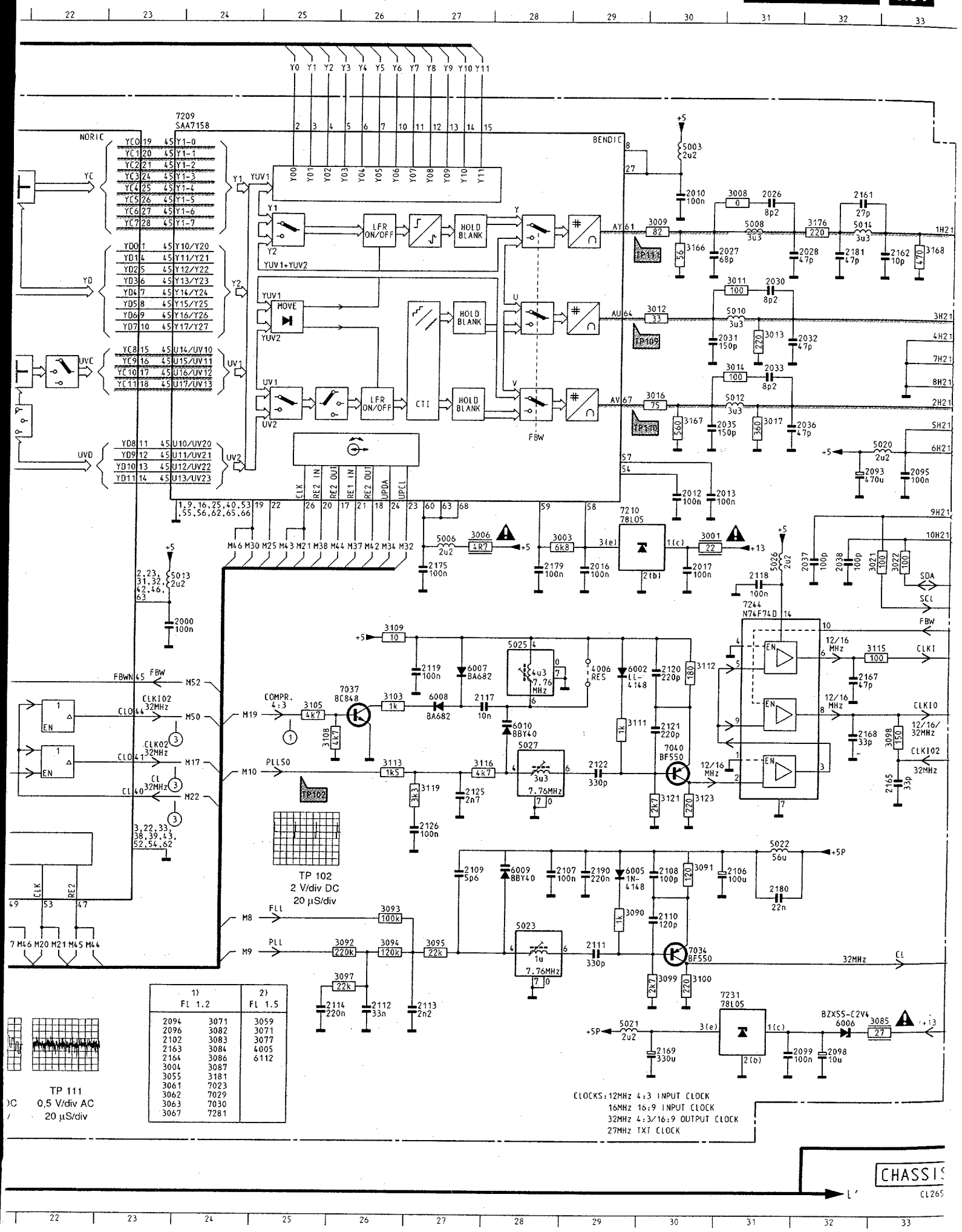
TP 108
0.5 V/div AC
20 µS/div

TP 109
20 mV/div DC
20 µS/div

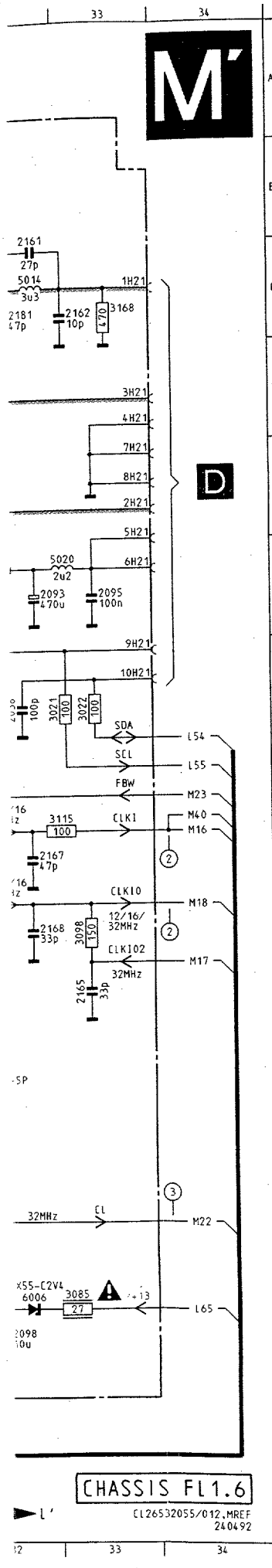
TP 110
50 mV/div AC
20 µS/div

TP 113
0.5 V/div DC
20 µS/div

TP 11
0,5 V/div
20 µS/

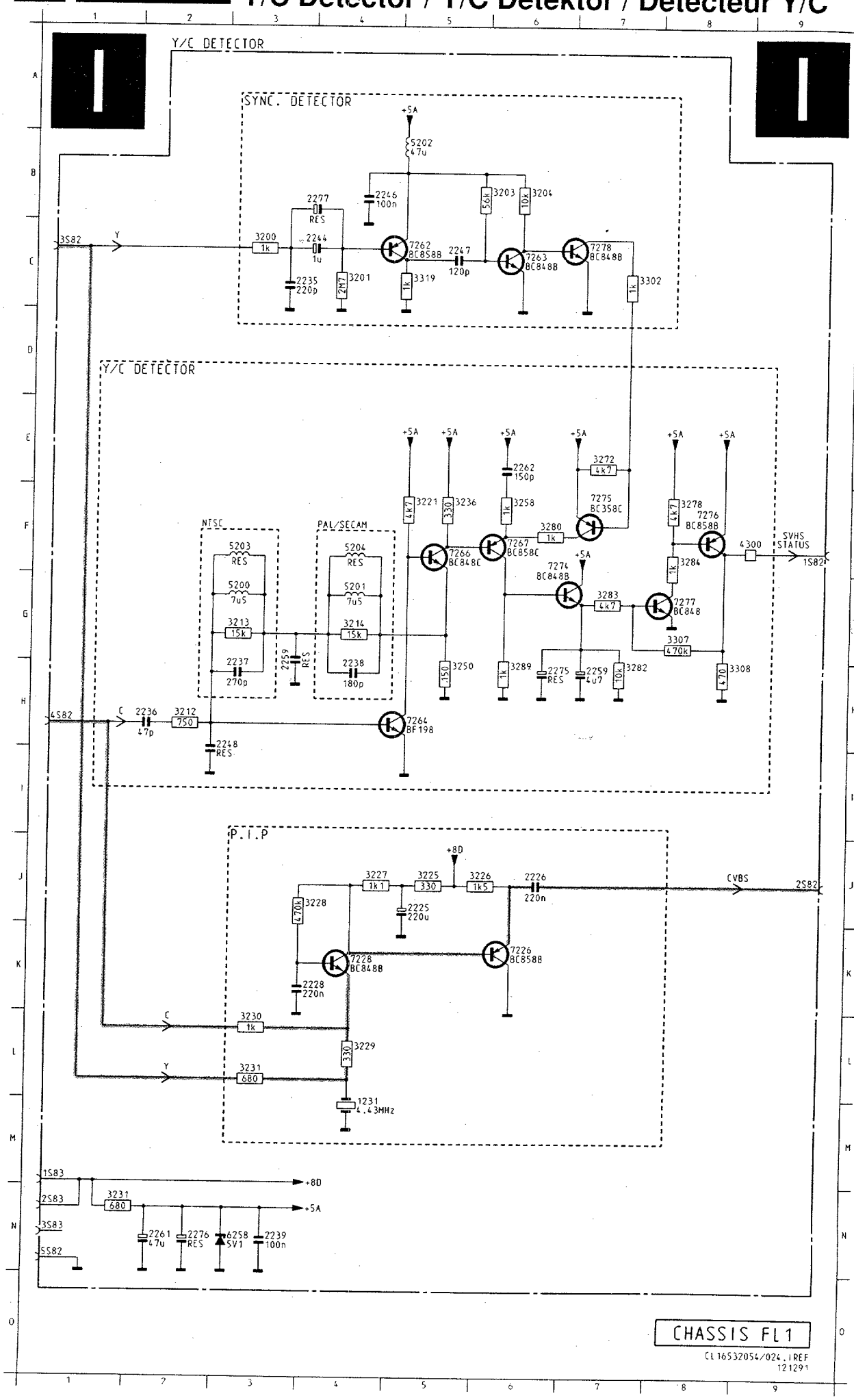


1) FL 1.2		2) FL 1.5
2094	3071	3059
2096	3082	3071
2102	3083	3077
2163	3084	4005
2164	3086	6112
3004	3087	
3055	3181	
3061	7023	
3062	7029	
3063	7030	
3067	7281	



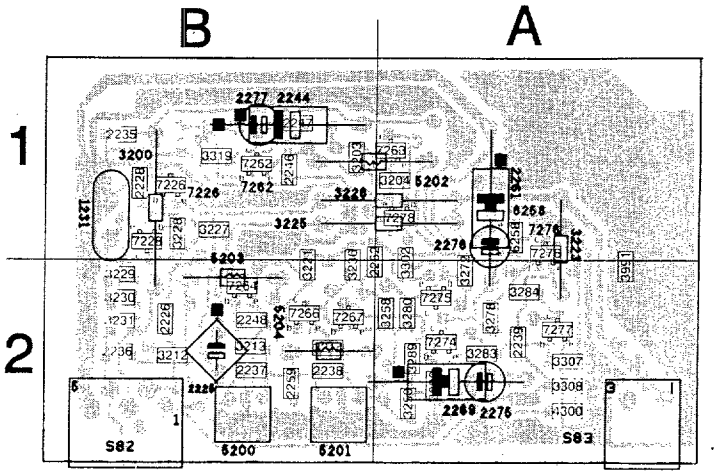
	1001	H 2	3021	G33	6010	I28
	2000	H23	3022	G33	6112	K 9
	2001	B 9	3055	N13	7000	F 9
	2002	B 9	3057	I 2	7022	I 9
A	2003	B 9	3058	I 9	7023	M 8
	2004	B10	3059	L 2	7024	N 3
	2005	B18	3060	I 9	7025	N 3
	2006	G 9	3061	M 6	7026	B 4
	2007	G10	3062	M 8	7027	M 4
	2010	C30	3063	M 8	7029	N 8
	2011	E18	3064	N 2	7030	M13
	2012	F30	3065	N 4	7034	L30
B	2013	F30	3066	N 4	7035	B 5
	2014	F 8	3068	B 4	7036	C 5
	2015	G18	3071	K 9	7037	I26
	2016	G29	3074	M 4	7038	C 6
	2017	G30	3075	C 4	7039	E 5
	2018	F10	3076	N 3	7040	J30
	2022	H18	3078	M 3	7042	F 5
	2023	E 9	3079	M 2	7120	H 3
C	2026	C31	3082	M 9	7201	B16
	2027	C30	3083	M 9	7202	D16
	2028	C31	3084	M 9	7203	E16
	2029	J18	3085	M33	7204	G16
	2030	D31	3086	N10	7205	I16
	2031	D30	3087	N12	7206	K16
	2032	D31	3089	B 7	7207	B11
	2033	E31	3090	L29	7208	B18
D	2034	L18	3091	K30	7209	B23
	2035	F30	3092	L26	7210	G29
	2036	F31	3093	L26	7219	H 6
	2037	G32	3094	L26	7221	M11
	2038	G32	3095	L27	7231	M31
	2083	H 4	3096	K 6	7244	H31
	2084	H 8	3097	M26		
E	2085	I10	3098	I33		
	2086	H 2	3099	M30		
	2087	I 2	3100	M30		
	2088	N 2	3101	B 5		
	2090	N 9	3102	C 6		
	2091	C 3	3103	I26		
	2092	M 3	3104	C 5		
F	2093	F32	3105	I25		
	2094	M13	3106	D 4		
	2095	F33	3107	D 5		
	2096	M10	3108	J25		
	2097	N14	3109	H26		
	2098	N32	3110	D 7		
	2099	N32	3111	I29		
	2102	N10	3112	I30		
G	2103	B 7	3113	J26		
	2105	B 6	3114	E 4		
	2106	K31	3115	H33		
	2107	K28	3116	J27		
	2108	K30	3118	E 5		
	2109	K27	3119	J27		
	2110	L30	3120	E 5		
H	2111	L29	3121	J30		
	2112	M26	3123	J30		
	2113	M27	3125	F 4		
	2114	M25	3127	G 5		
	2115	D 8	3128	G 5		
	2116	D 3	3163	D 3		
	2117	I27	3166	C30		
	2118	G31	3167	E30		
I	2119	I27	3168	C33		
	2120	I30	3176	C32		
	2121	I30	3181	M13		
	2122	J29	3183	L19		
	2123	D 8	3190	B14		
	2124	E 3	3191	B14		
	2125	J27	3192	C14		
	2126	K27	3193	C14		
J	2127	E 8	3194	D14		
	2128	G 3	3195	D14		
	2130	E 4	3196	E14		
	2131	E 4	3197	F14		
	2132	D 4	3198	F14		
	2133	D 4	3199	F14		
	2134	G 4	3201	C18		
K	2136	F 4	3202	C18		
	2150	F 7	4005	M14		
	2151	E10	4006	I29		
	2152	B 6	5000	G 9		
	2161	C32	5001	B 8		
	2162	C33	5002	B17		
	2163	M 7	5003	B30		
	2164	M 7	5004	E18		
L	2165	J33	5005	G18		
	2166	L 6	5006	G27		
	2167	I32	5007	H18		
	2169	N30	5008	C31		
	2170	C 5	5009	J18		
	2175	G27	5010	D31		
	2179	G28	5011	L18		
M	2180	K31	5012	E31		
	2181	C32	5013	G23		
	2185	E 9	5014	C32		
	2186	F 9	5020	F33		
	2187	B 8	5021	M29		
	2190	K29	5022	K31		
	3000	F 9	5023	L28		
	3001	G30	5025	H28		
N	3002	G 8	5026	G31		
	3003	G28	5027	J28		
	3004	N 7	5030	C 4		
	3006	G27	5031	E 4		
	3007	E 9	5032	F 4		
	3008	C31	5033	N 8		
	3009	C30	6000	F 8		
	3011	D31	6002	I29		
O	3012	D30	6004	M 4		
	3013	D31	6006	M32		
	3014	E31	6007	I27		
	3016	E30	6008	I27		
	3017	E31	6009	K28		

6.57 CHASSIS FL1.6 Y/C Detector / Y/C Detektor / Détecteur Y/C



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

1231 M 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
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



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	3991 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	

7.1 CHASSIS FL1.6 Electrical adjustments

Setting conditions

* Unless stated otherwise, the supply voltage used is: 220 - 240V 10%; 50 - 60Hz 5%
* Voltages and oscillograms are measured in elation to tuner earth. **Never** use the cooling plates as earth.
* Warming-up time 10 minutes
* For all measurements it is true that:
* probe Ri > 1MΩ; 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 ±0.5V.

1.2 +5V supply voltage
Connect a voltmeter to pin 8 of L02
Adjust the voltage to 5.4V using R3558

1.3 +13V supply voltage
Connect a voltmeter to pin 6 of connector L02
Adjust the voltage to 14.2V using R3234.

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

1.5 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 ±2V.

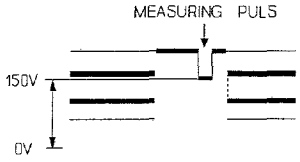


Fig 7.1

1.6 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 ±25 Hz with R3434.
Remove the short circuits.

1.7 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.

1.8 Horizontal centring
Set using potentiometer R3513.

1.9 Picture width
Set using potentiometer R3607.

1.10 Vertical centring
Set using potentiometer R3467.

1.11 Picture height
Set using potentiometer R3410.

1.12 East/West correction
Set using potentiometer R3602.

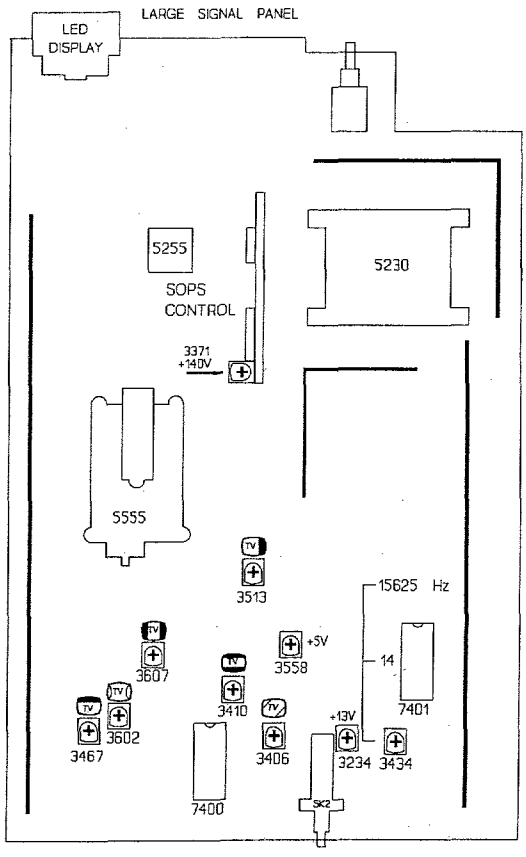


Fig 7.2

Electrical adjustments

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.

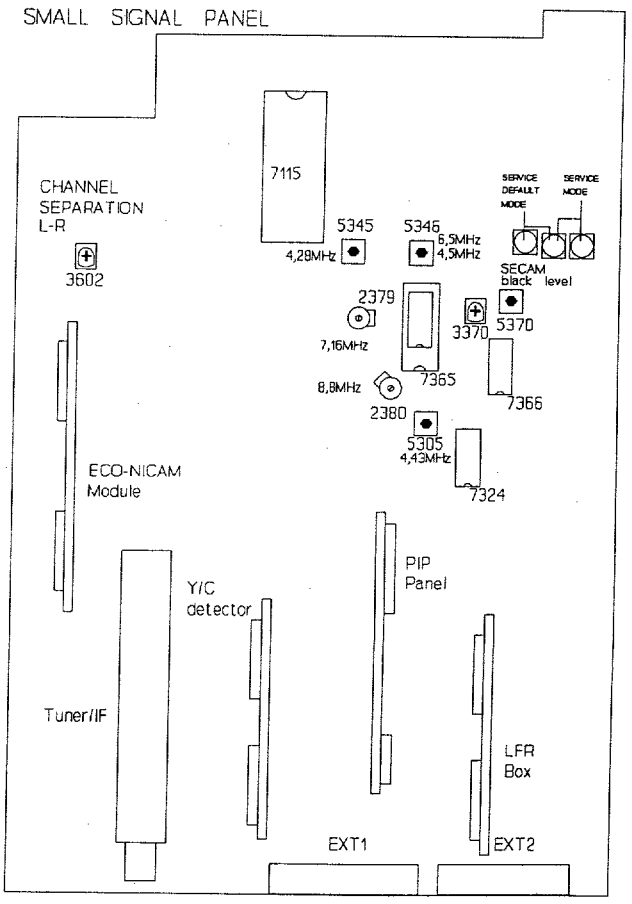


Fig 7.3

3. Electrical adjustments on the LFR box

3.1 Synchronisation

Connect point 5 of IC7216 to earth. Adjust R3054 until the picture is straight.
Remove the short circuit.

3.2 16 MHz oscillator

Apply a PAL/SECAM signal. Measure the signals at point 1 of IC7219 and at point 5 of IC7216 simultaneously with an oscilloscope (fig. 7.4).
Adjust coil L5027 so that the positive-going flank of the signal at point 1 of IC7219 comes 7.62 µsec after the negative-going flank of the sync pulse in the video signal (point 5 of IC7216).

3.3 32 MHz oscillator

Force the STABLE OSD command to the microprocessor, by disconnecting the set from a possible antenna inputsignal. Measure the frequency at point 41 of IC7208. Using L5023 set the frequency to 32 MHz ±50 KHz.

3.4 12 MHz oscillator

Switch on compress.
Measure the signals on point 1 of IC7219 and on point 5 of IC7216 simultaneously with an oscilloscope (fig. 7.4). Adjust coil L5025 so that the rising flank of the signal on point 1 of IC7219 comes 7.62 µsec after the negative flank of the sync pulse in the video signal (point 5 of IC7216).

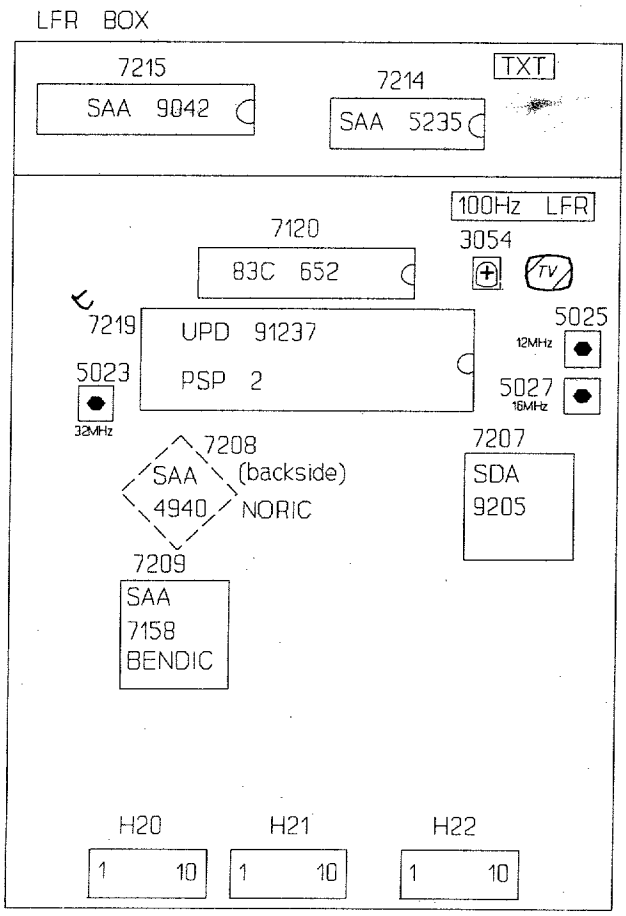


Fig 7.5

4. Electrical settings on the ECO-NICAM decoder panel

4.1 Neutral frequency adjustment

Connect a frequency counter via a probe (Ci ≤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)

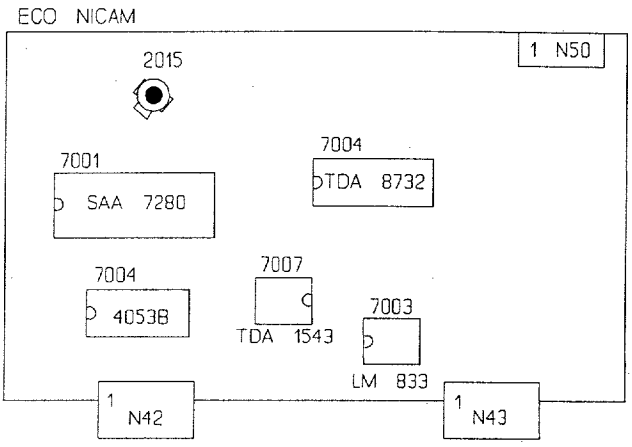


Fig 7.6

5. Y/C detector adjustment

5.1 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.

5.2 NTSC

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

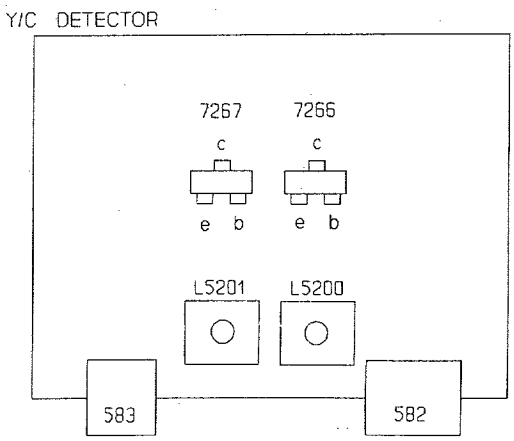


Fig 7.7

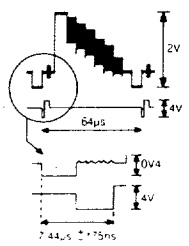


Fig 7.4

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.

PIP MODULE

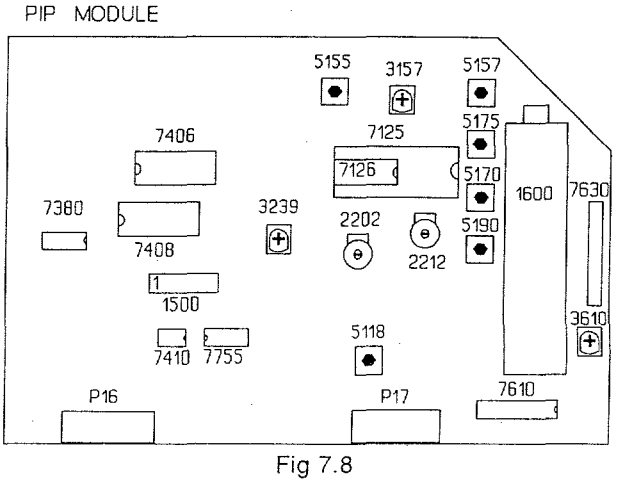


Fig 7.8

Electrical adjustments

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).

The various adjustments can be activated using the colour and +/- keys on the remote control or on the set. By selecting "store" in the menu the adjusted values are stored in memory and the Service Menu is exited

7.1 White balance

Connect a pattern generator and choose a white picture.

- Choose b (white balance)
- Select a (green) or b (blue)
- Using "P +/-" or "menu +/-" adjust the values of green ("GREEN") and blue ("BLUE") until the desired white balance has been reached.
- Press the "menu" key
- Store the chosen value by selecting "store" in the menu.

7.2 Cut off

- Select c (cut off)
- Select a (green) or b (blue)

7.3 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:

Function	*Number*
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:

Function	*Number*
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 "options" in the service menu.
- Select option 1, 2, 3 or 4.
- Using the "menu +/-" or "P+/-" key select the required option number
- Press the "menu" key
- Store the chosen value by selecting "store" in the menu

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	
Nbr.	**Function**
0	**Front end = FQ816/16IF** A reception of PAL BG or PAL BG and SECAM BG is now possible
1	**Front-End = FQ844** Only reception of the UHF band is now possible
2	**Front end = FQ816/ME/IF** Reception of SECAM L but not of SECAM L' is now possible (reception of NTSC-M is now usually also possible).
4	**Front end = FQ816/MF/IF** Reception of both SECAM L and SECAM L' is now possible (NTSC M reception is generally possible now via the Euroconnector).
8	**PIP module fitted** This makes it possible to show PIP (Picture in Picture) displays.
16	**NTSC-M reception possible** This is normally always in combination with front end FQ816/ME/IF or FQ816/MF/IF
32	**SECAM DK module fitted** In this case transmissions using the SECAM DK system can also be received.
64	**NICAM module fitted** In this case the digital sound with NICAM transmission can be received.
128	**Second front end for PIP fitted** If this second front end is fitted a second transmitter can be displayed in the PIP picture. The PIP function (number 8) still applies

Option
Nbr
1
2
4
32
64

Option

Option
Nbr.
1

Optioncode 2	
Nbr	**Function**
1	**IC7175 present on SSP** Applicable in case IC7175 (PCF8574) is present on the SSP (this is the case in all FL1.6AA sets).
2	**Automatic 1/2 figure mode** The set recognizes a-2 figure program number if two numbers are entered quickly enough in succession on the remote control.
4	**100 Hz High-end box fitted** This is always the case.
32	**ECO NICAM module present** In this case the digital sound broadcast in NICAM transmissions can also be received (see further the number 64 of option code 1).
64	**LFR box present** This is always the case

Optioncode 3 = 0

Optioncode 4	
Nbr.	**Function**
1	**Teletext Peaking** Filter on/off for LFR-Box (Scandinavia)

8.1 CHASSIS FL1.6 Repair tips

1. The Service Default Mode

The FL1.6 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.

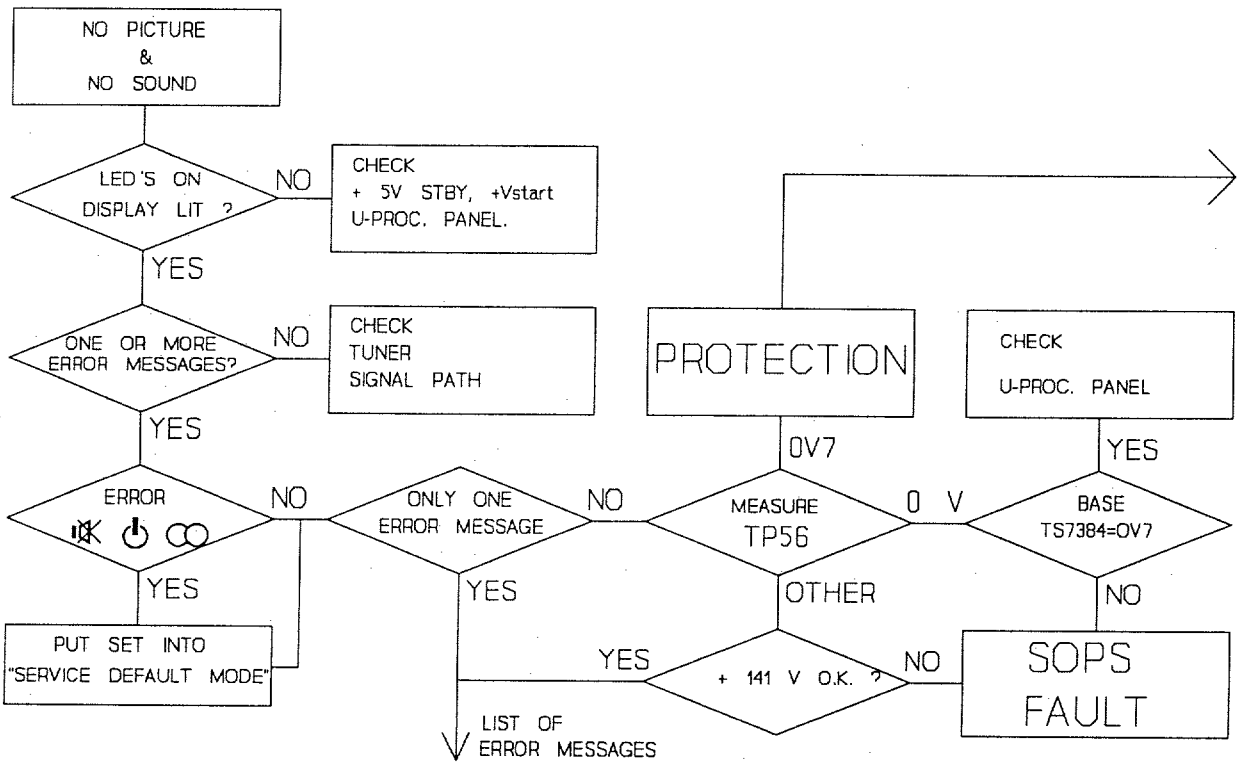
2. Software protection

If it is observed by the control that the front end has ceased to give an IC 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



E
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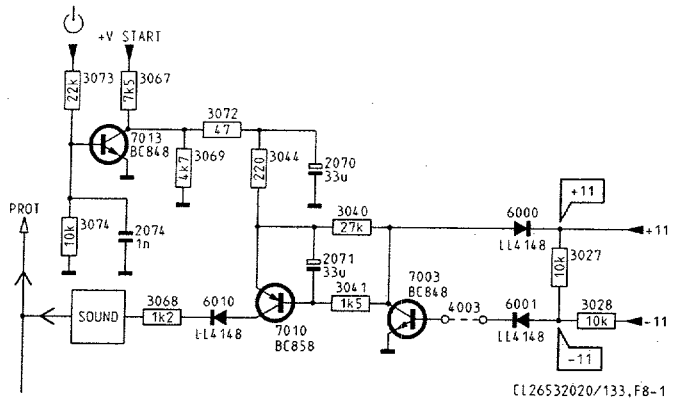
8.3 CHASSIS FL1.6 List of error messages

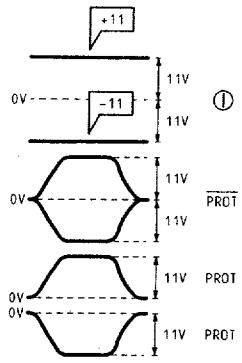
Error number on screen	Flashing LED							Description of error
	🔇/🔇			⏻	⏻	I	II	
1[1]			X		X	X		I²C,IC7108, SSP [H] (MSM6307)
3					X	X		I²C, IC7201, HIGH END BOX, [L] (SAA9042) I²C, IC7215, LFR BOX [L'] (SAA9042)
4				X			X	I²C, IC7220, LFR BOX, [M'] (8 C652)
5				X				I²C, IC7408, PIP [J] (SDA9088)
6				X	X	X		I²C,IC7600, SSP [F] (TDA8417)
7							X	I²C,IC7680, SSP [F] (TDA8425)
9			X	X		X		I²C,IC7430, SSP [D] (TDA4680)
10				X	X		X	I²C,IC7395, SSP [D] (TDA8443)
11				X	X			I²C, front-end, SSP [C] (FQ 816)
12						X		I²C, IC7137, SSP [H] (X24C04)
13			X					I²C, bus on chassis blocked
14			X	X				I²C, IC7258, SSP [C] (HEF4094)
15			X	X	X			I²C, IC7219, SSP [C] (TEA6414)
16			X			X		I²C, IC7040, SAT Interface [P] (TEA6414)
17			X		X			IR-receiver on SSP [H] blocked (1100)
18				X		X	X	7115, SSP, µ proc. [H]
19			X	X	X	X		UART Bus blocked, 7115, SSP, µ proc. [H]
20				X	X	X	X	7115, SSP, µ proc. [H]
21				X				EAROM X24C04 empty, IC7137, SSP [H] (§ 8.3)
28		X						I²C, PIP tuner [J]
29		X						I²C, IC7638, PIP-modulo [J], (SAA1300)
30			X		X		X	I²C, IC7175, SSP [C] (PCF8574)
31			X		X	X	X	I²C, IC7001, NICAM-panel [K] (SAA7280)
33		X						I²C, PLL (1500) PIP modulo [L]
34[1]	X		X				X	LNC supply on SAT box [Q,R] not correct
35[1]	X		X		X		X	IM-bus on SAT box [Q,S] blocked.
36[1]	X		X	X			X	I²C, bus on SAT box blocked.
37[1]	X		X	X	X		X	I²C, IC7450, D2-MAC [S] (X24C02)
28[1]	X		X			X	X	I²C, SAT Tuner [Q] (SF914; SF916)
39[1]	X		X		X	X	X	HEF STROBE 1, IC7925, FSS [T] (HEF4094)
40[1]	X		X	X		X	X	D2-MAC [S]
41[1]	X		X	X	X	X	X	HEF STROBE 2, IC7475, D2-MAC [S] (HEF4094)
42[1]	X				X		X	IC7250, TUNER/CONTROL [Q]
43[1]	X			X			X	UART bus blocked IC7250, TUNER/CONTROL [Q].
44[1]	X			X	X		X	SAT Tuner [Q] (SF914/916)
45[1]	X					X	X	IC7250, TUNER/CONTROL [Q]
46[1]	X				X	X	X	IC7250, TUNER/CONTROL [Q]
47[1]	X			X		X	X	IC7262, TUNER/CONTROL [Q]
48[1]	X			X	X	X	X	D2-MAC [S]
49[1]	X			X		X		EAROM X24C02 empty, 7450, D2-MAC [S] (§17)
51[1]					X	X	X	IC7250, TUNER/CONTROL [Q]
52[1]			X				X	D2B Bus EXT, SSP [H] blocked.
99	X		X		X			Protection

[1] This error is only possible on sets with built in SAT box.

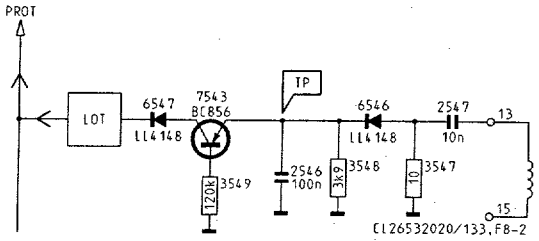
In case an error indication on the set is not included in this table, then check the error codes (see §7.8).

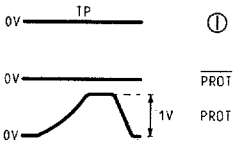
+ 11 V
- 11 V



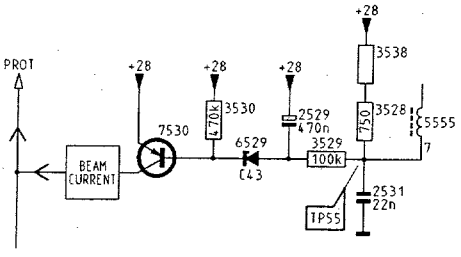


EHT







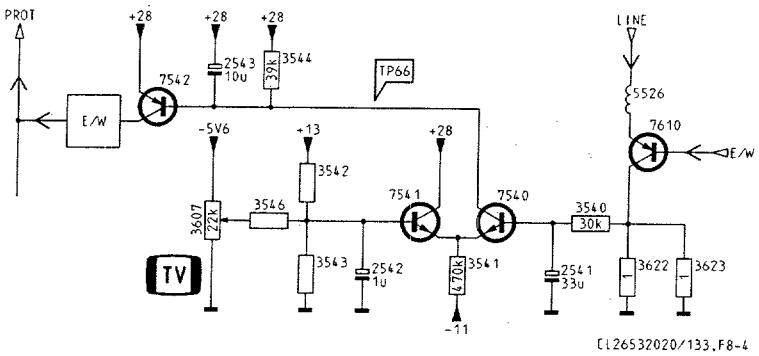


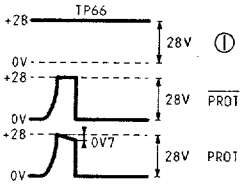


PROT

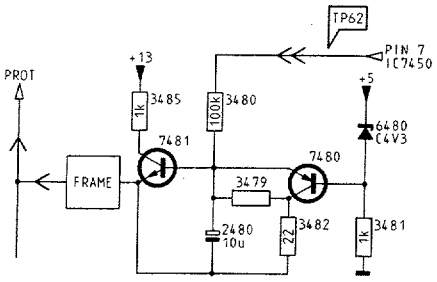
PROT

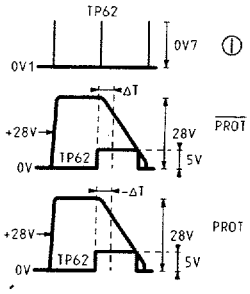
TV



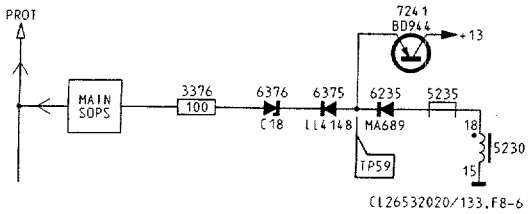


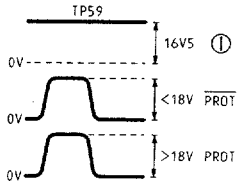






+V





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4. Servicing of SMDs (Surface Mounted Devices)

4.1 General cautions on handling and storage

a. Oxidation on the terminals of SMDs results in poor soldering. Do not handle SMDs with bare hands.

b. 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.

c. 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

a. 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:

b. 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).

c. Remove the excess solder on the solder lands by means of litz wire or a solder sucker (see Fig. 8.1C).

Caution on removal:

a. When handling the soldering iron, use suitable pressure and be careful.

b. When removing the chip, do not use undue force with the pair of tweezers.

c. The soldering iron to be used (approx. 30 W) should preferably be equipped with a thermal control (soldering temperature: 225 to 250°C).

d. The chip, once removed, must **never** be reused.

4.3 Attachment of SMDs

a. 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).

b. Next complete the soldering of the terminals of the component (see Fig.8.2B).

Caution when attaching SMDs:

a. 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.

b. Keep the SMD's body in contact with the printed board when soldering.

c. The soldering iron to be used (approx. 30 W) should preferably be equipped with a thermal control (soldering temperature: 225 to 250°C).

d. Soldering should not be done outside the solder land.

e. Soldering flux (of rosin) may be used, but should not be acidic.

f. After soldering, let the SMD cool down gradually at room temperature.

g. 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).

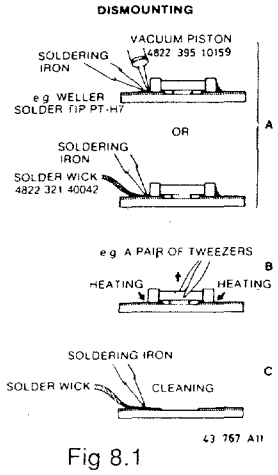


Fig 8.1

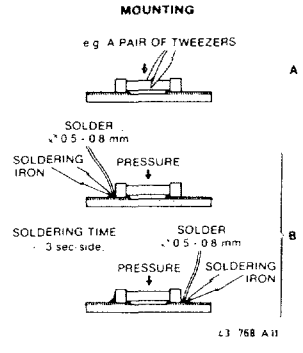


Fig 8.2

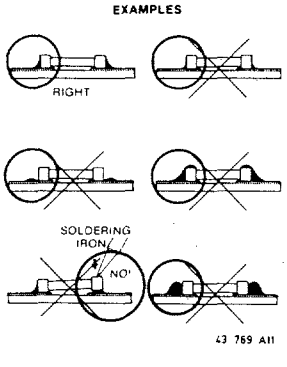
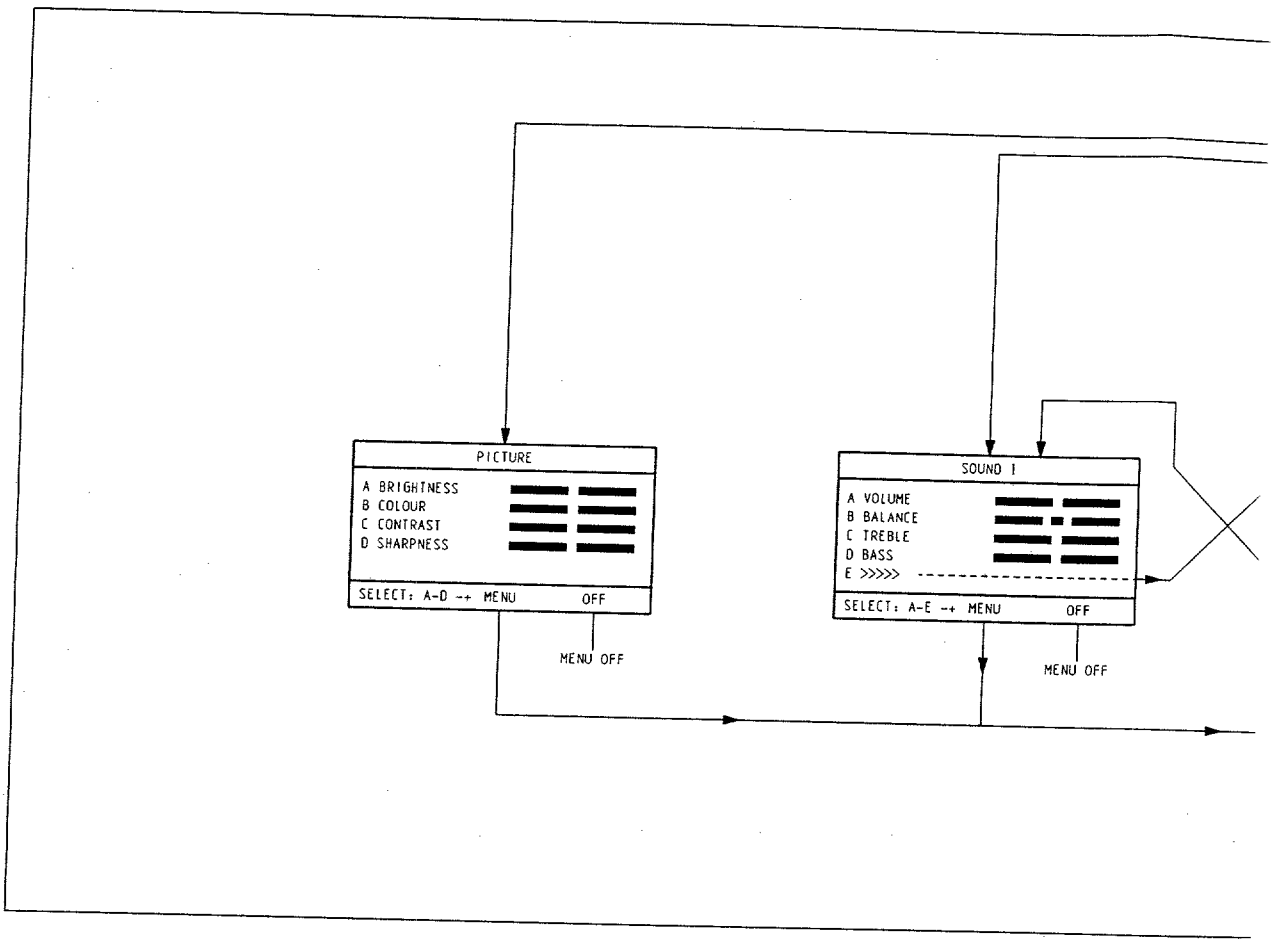
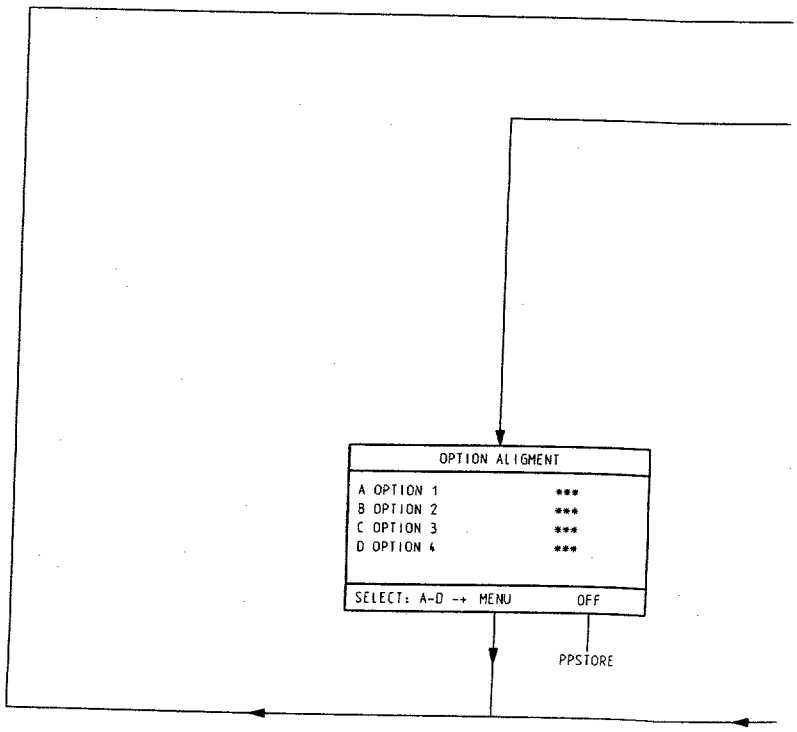


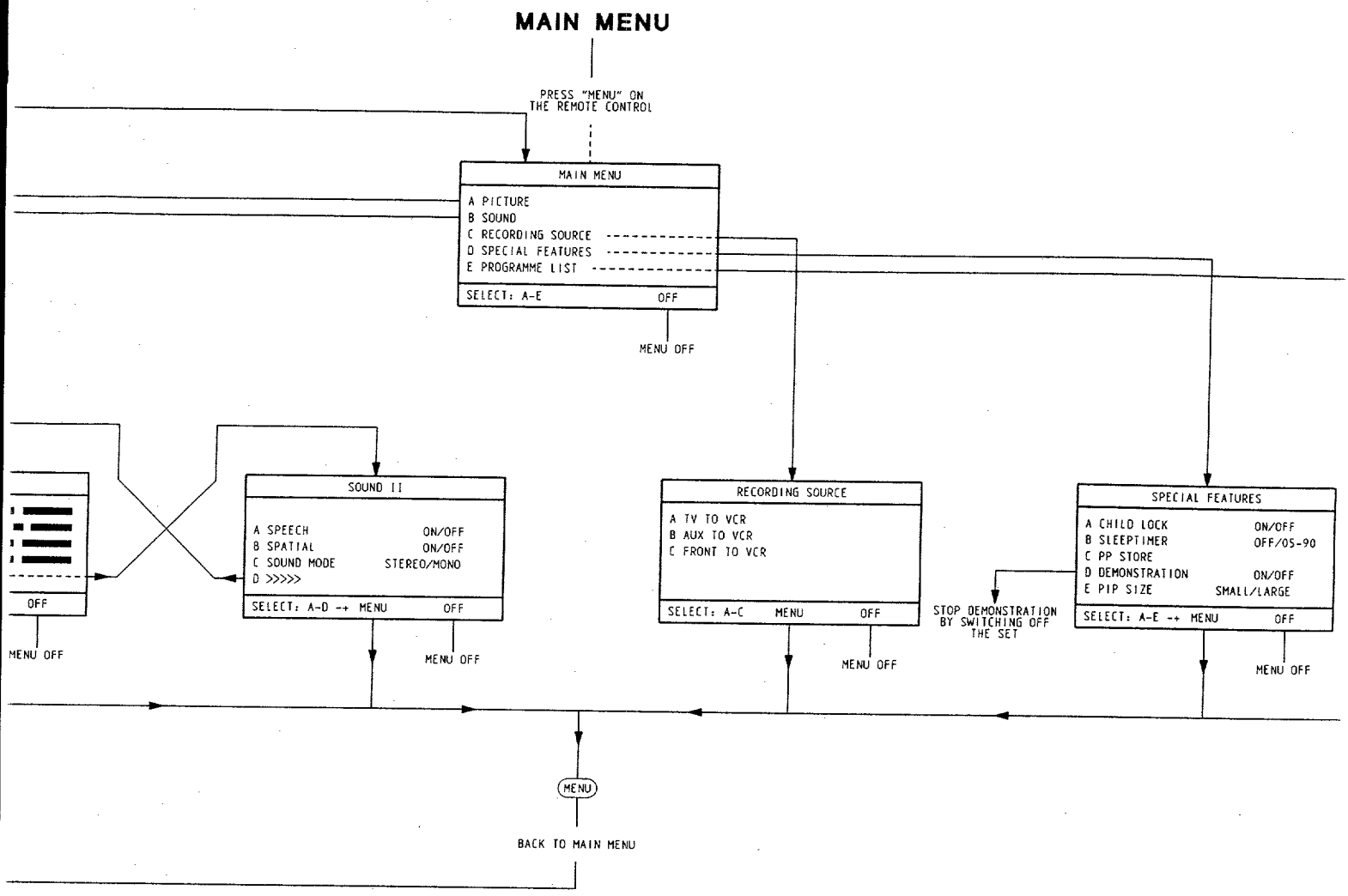
Fig 8.3

List of menus

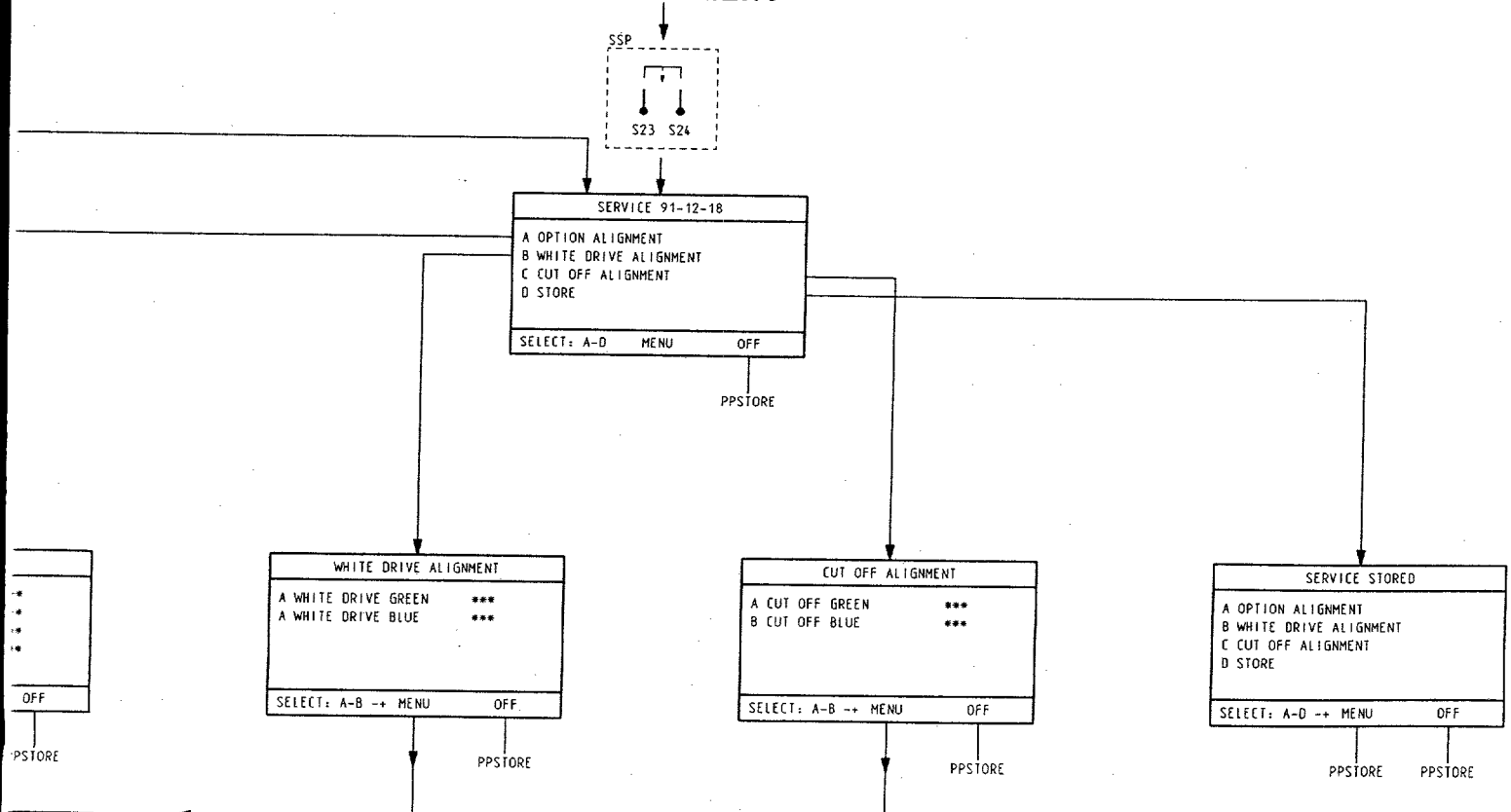


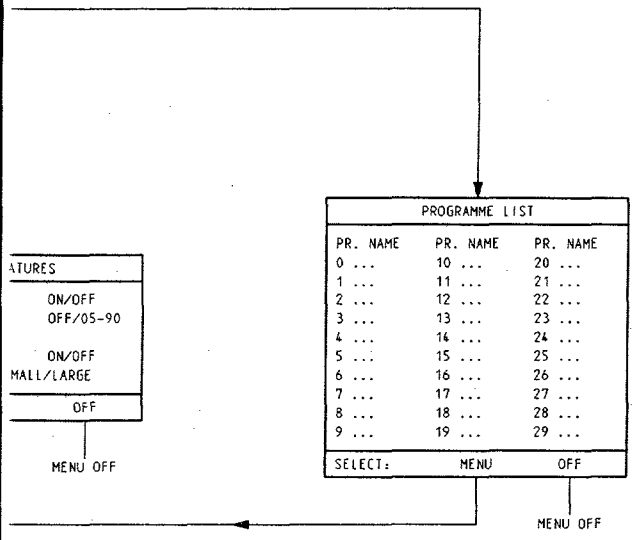


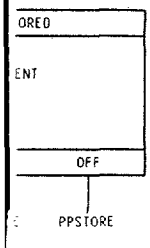
MAIN MENU



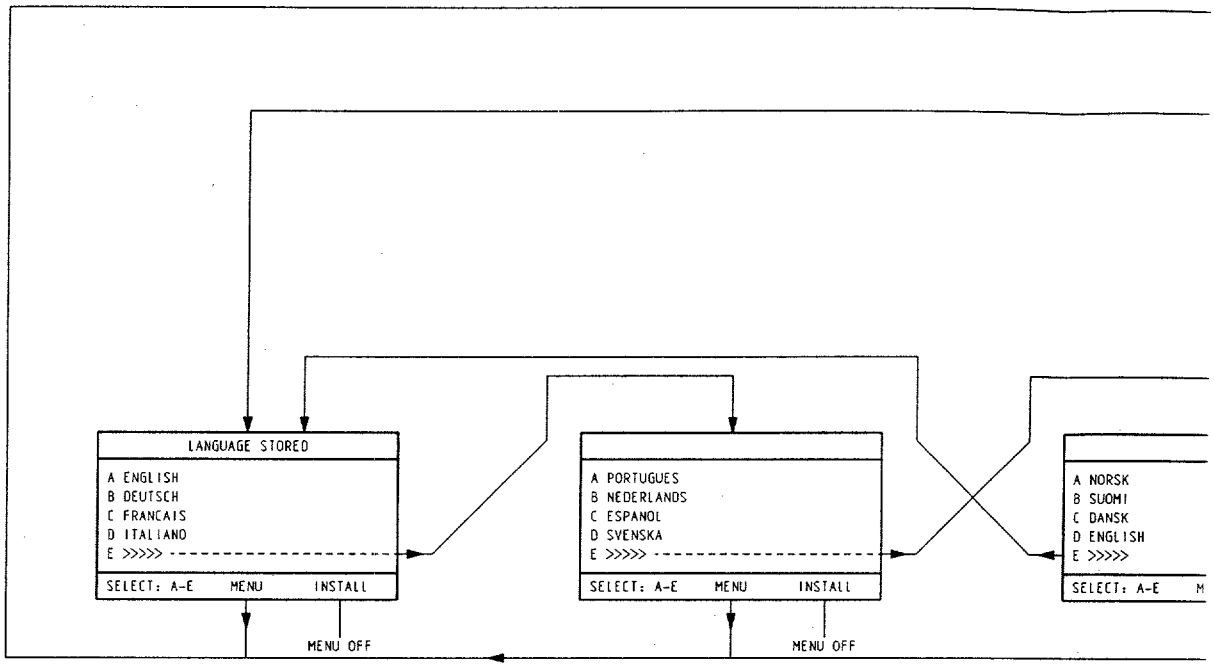
SERVICE MENU

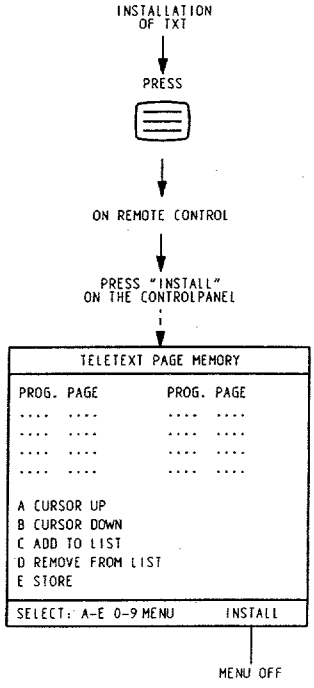



ATURES
ON/OFF
OFF/05-90
ON/OFF
MALL/LARGE
OFF
MENU OFF
PROGRAMME LIST
PR. NAME PR. NAME PR. NAME
0 ... 10 ... 20 ...
1 ... 11 ... 21 ...
2 ... 12 ... 22 ...
3 ... 13 ... 23 ...
4 ... 14 ... 24 ...
5 ... 15 ... 25 ...
6 ... 16 ... 26 ...
7 ... 17 ... 27 ...
8 ... 18 ... 28 ...
9 ... 19 ... 29 ...
SELECT: MENU OFF
MENU OFF

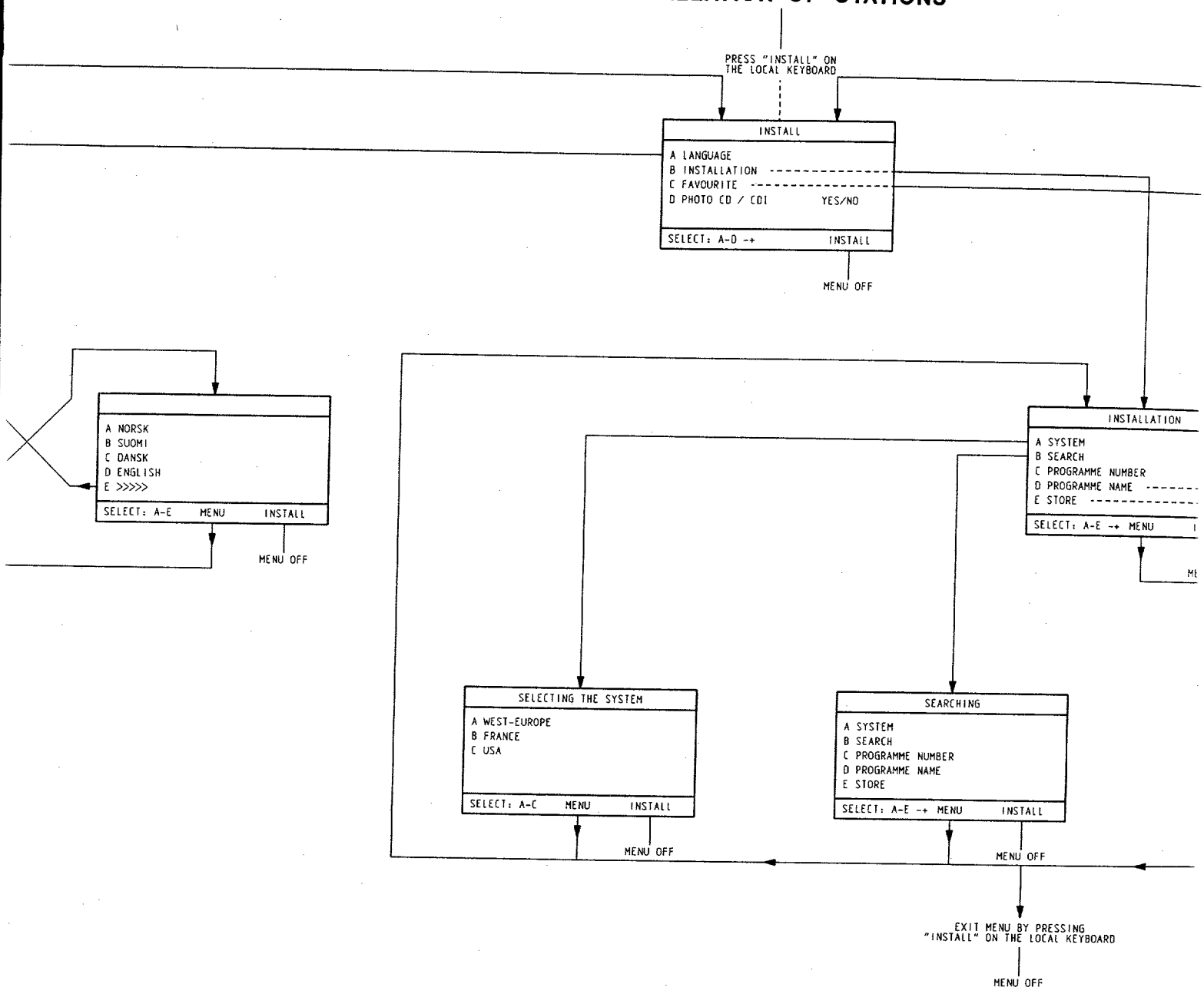

ORED
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OFF
PPSTORE

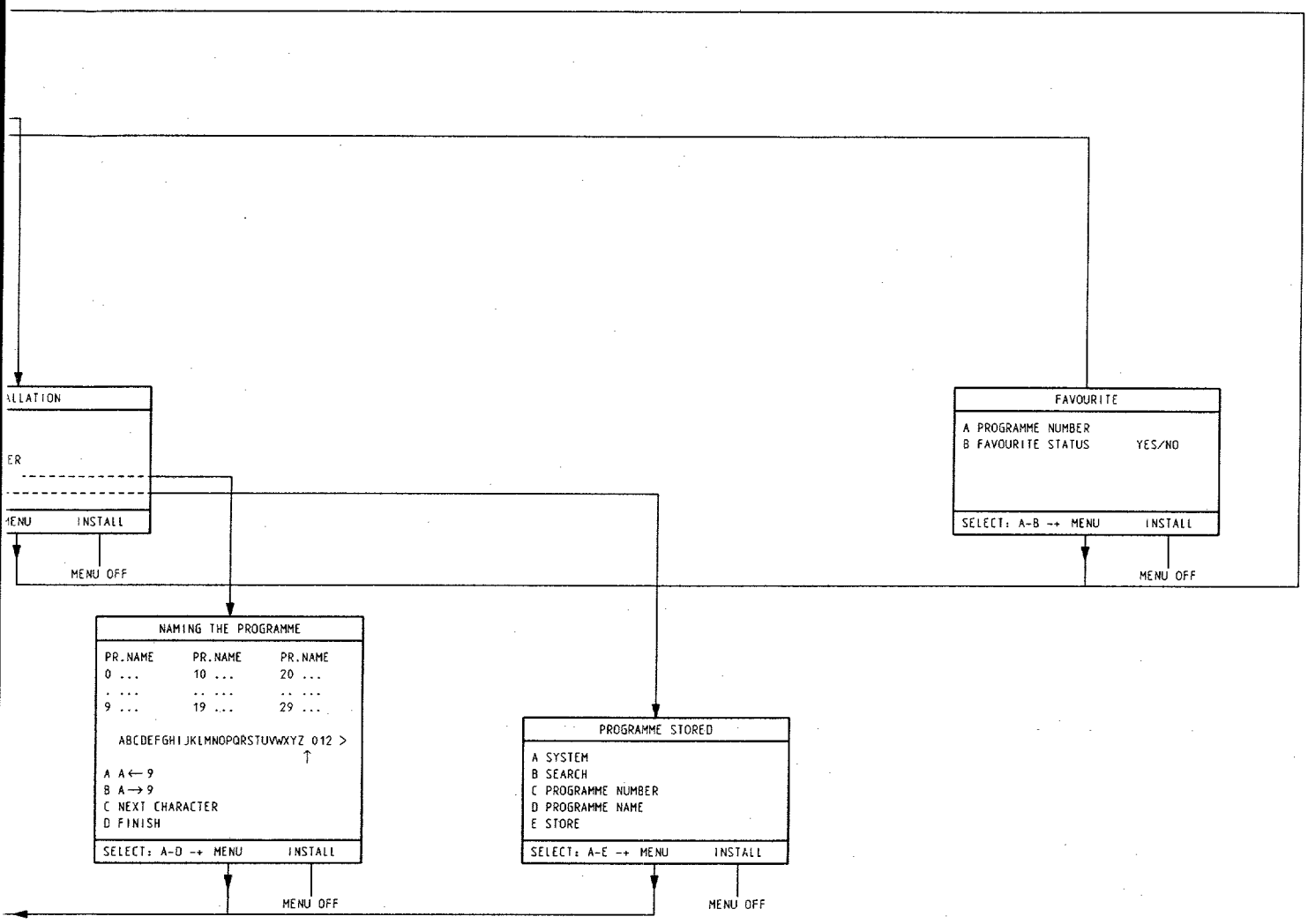
List of menus





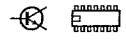
INSTALLATION OF STATIONS




ALLATION
ER
MENU INSTALL
MENU OFF
FAVOURITE
A PROGRAMME NUMBER
B FAVOURITE STATUS YES/NO
SELECT: A-B -+ MENU INSTALL
MENU OFF
NAMING THE PROGRAMME
PR.NAME PR.NAME PR.NAME
0 ... 10 ... 20 ...
. ...
9 ... 19 ... 29 ...
ABCDEFGHIJKLMNOPQRSTUVWXYZ 012 >
A A← 9
B A→ 9
C NEXT CHARACTER
D FINISH
SELECT: A-D -+ MENU INSTALL
MENU OFF
PROGRAMME STORED
A SYSTEM
B SEARCH
C PROGRAMME NUMBER
D PROGRAMME NAME
E STORE
SELECT: A-E -+ MENU INSTALL
MENU OFF

Large signal panel

√	6280	4822 130 30621	1N4148
√	6302	4822 130 80446	LL4148
√			
√	6303	4822 130 80446	LL4148
√	6304	4482 213 080446	LL4148
	6305	4822 130 82334	BAS85
√	6306	4822 130 34499	BZX79-C20
√	6308	4822 130 42488	BYD33D
√			
√	6312	4822 130 42488	BYD33D
√	6314	4822 130 80446	LL4148
	6315	4822 130 80446	LL4148
√	6318	4822 130 83086	LL4150
√	6319	5322 130 34898	BZD23-C5V6
√			
√	6331	4822 130 30621	1N4148
	6349	4822 130 80446	LL4148
	6350	4822 130 80446	LL4148
	6351	4822 130 30621	1N4148
28D5	6352	4822 130 80446	LL4148
	6353	4822 130 80446	LL4148
	6355	4822 130 80446	LL4148
	6356	4822 130 80886	LLZ-F22
	6357	4822 130 80446	LL4148
	6370	4822 130 81512	LLZ-C6V2
f.	6371	4822 130 80446	LL4148
	6372	4822 130 80446	LL4148
	6373	4822 130 82583	LLZ-C9V1
	6375	4822 130 80446	LL4148
	6376	4822 130 81143	LLZ-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
	6467	4822 130 80446	LL4148
	6480	4822 130 31554	BZX79-C4V3
	6504	4822 130 42488	BYD33D
	6506	4822 130 42488	BYD33D
	6507	4822 130 83086	LL4150
	6515	4822 130 42488	BYD33D
	6516	4822 130 42488	BYD33D
	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
00	6529	4822 130 34329	BZX79-C43
	6535	4822 130 82512	BYV29F-400
	6536	4822 130 80982	BYW29F-100
	6538	4822 130 80954	LLZ-C5V6
	6542	4822 130 42488	BYD33D
	6546	4822 130 80446	LL4148
	6547	4822 130 30621	1N4148
	6551	4822 130 80884	LLZ-C5V1
	6601	4822 130 42488	BYD33D
	6629	4822 130 80446	LL4148
	6650	4822 130 82583	LLZ-C9V1
	6651	4822 130 80446	LL4148



	7000	4822 209 73311	TDA1521Q/N4
	7001	4822 209 73311	TDA1521Q/N4
04	7002	4822 209 83163	LM833N
	7003	4822 130 61207	BC848
04	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 62735	BUT12AF
	7241	4822 130 61003	BD944F
	7242	5322 130 44349	BC635
	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	4822 130 62955	ON4703-BD437
	7318	4822 130 42615	BC817-40
	7320	4822 130 82034	CNX83A
	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 209 63912	ON4673
	7506	4822 209 63912	ON4673
	7512	4822 130 41109	BD135-16
	7513	4822 130 41194	BD136-16
	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 63085	BD944F-ON4743
	7551	4822 209 71285	LM358N
	7552	5322 130 44349	BC635
	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
	7650	5322 130 42136	BC848C
	7651	5322 130 42136	BC848C
	7652	5322 130 42136	BC848C

Spare parts list / Stückliste / Liste

Large signal panel

3507	4822 116 52191	33Ω 5% 0,5W
3508	4822 116 82773	1k8 10% 5W
3508	4822 116 83003	1k5 10% 5W
3509	4822 053 21154	150k 5% 0,5W
3510	4822 113 80592	150Ω 10% 5W
3511	4822 116 52176	10Ω 5% 0,5W
3512	4822 051 10331	330Ω 2% 0,25W
3513	4822 100 11319	4k7 30% LIN
3513	4822 100 11482	6k8 30% LIN
3515	4822 116 81191	6Ω8 5% 0,3W
3516	4822 116 81191	6Ω8 5% 0,3W
3517	4822 052 11108	1Ω 5% 0,5W
3518	4822 116 52267	30k 5% 0,5W
3519	4822 116 52267	30k 5% 0,5W
3520	4822 052 10338	3Ω3 5% 0,33W
3521	4822 052 10338	3Ω3 5% 0,33W
3524	4822 116 81753	4Ω7 5% 0,5W
3526	4822 053 10688	6Ω8 5% 1W
3527	4822 051 10102	1k 2% 0,25W
3528	4822 116 52229	750Ω 5% 0,5W
3529	4822 051 10104	100k 2% 0,25W
3530	4822 051 10474	470k 2% 0,25W
3531	4822 051 10568	5Ω6 5% 0,25W
3532	4822 050 23301	330Ω 1% 0,6W
3533	4822 050 23301	330Ω 1% 0,6W
3534	4822 052 10278	2Ω7 5% 0,33W
3535	4822 052 10278	2Ω7 5% 0,33W
3536	4822 116 52221	360Ω 5% 0,5W
3537	4822 053 11129	12Ω 5% 2W
3538	4822 116 52241	13k 5% 0,5W
3538	4822 116 52238	12k 5% 0,5W
3540	4822 116 52267	30k 5% 0,5W
3541	4822 116 52285	470k 5% 0,5W
3542	4822 051 10104	100k 2% 0,25W
3543	4822 051 10152	1k5 2% 0,25W
3544	4822 051 10393	39k 2% 0,25W
3545	4822 116 52208	130Ω 5% 0,5W
3547	4822 051 10109	10Ω 2% 0,25W
3548	4822 051 10392	3k9 2% 0,25W
3549	4822 051 10124	120k 2% 0,25W
3550	4822 051 10102	1k 2% 0,25W
3553	4822 053 11479	47Ω 5% 2W
3554	4822 051 10008	0Ω 5% 0,25W
3555	4822 051 10008	0Ω 5% 0,25W
3555	4822 051 10681	680Ω 2% 0,25W
3556	4822 051 10008	0Ω 5% 0,25W
3558	4822 100 11481	1k 30% LIN
3559	4822 051 10512	5k1 2% 0,25W
3560	4822 052 10108	1Ω 5% 0,33W
3561	4822 051 10152	1k5 2% 0,25W
3562	4822 051 51102	1k1 1% 0,125W
3563	4822 051 10122	1k2 2% 0,25W
3600	4822 051 10472	4k7 2% 0,25W
3600	4822 051 10682	6k8 2% 0,25W
3601	4822 051 10104	100k 2% 0,25W
3601	4822 051 10154	150k 2% 0,25W
3602	4822 100 20166	10k 30% LIN
3603	4822 051 10153	15k 2% 0,25W
3603	4822 051 20183	18k 5% 0,1W
3603	4822 051 10133	13k 2% 0,25W
3603	4822 051 10123	12k 2% 0,25W
3603	4822 051 10912	9k1 2% 0,25W
3604	4822 051 10134	130k 2% 0,25W
3604	4822 051 10164	160k 2% 0,25W
3604	4822 051 10184	180k 2% 0,25W
3604	4822 051 10164	160k 2% 0,25W
3604	4822 051 10184	180k 2% 0,25W
3605	4822 051 10133	13k 2% 0,25W
3605	4822 051 10243	24k 2% 0,25W
3606	4822 051 10333	33k 2% 0,25W
3607	4822 100 11213	22k 30% LIN
3608	4822 051 10102	1k 2% 0,25W
3609	4822 051 10473	47k 2% 0,25W
3610	4822 051 10472	4k7 2% 0,25W
3611	4822 051 20222	2k2 5% 0,1W
3614	4822 116 52243	1k5 5% 0,5W
3615	4822 116 52224	470Ω 5% 0,5W
3616	4822 051 10332	3k3 2% 0,25W
3617	4822 051 20222	2k2 5% 0,1W
3618	4822 051 10683	68k 2% 0,25W
3619	4822 051 20222	2k2 5% 0,1W
3620	4822 051 10622	6k2 2% 0,25W
3621	4822 051 10164	160k 2% 0,25W
3622	4822 116 80176	1Ω 5% 0,5W
3623	4822 116 80176	1Ω 5% 0,5W
3623	4822 116 52242	130k 5% 0,5W
3626	4822 116 52267	30k 5% 0,5W
3627	4822 051 10103	10k 2% 0,25W
3628	4822 116 52234	100k 5% 0,5W
3629	4822 051 10224	220k 2% 0,25W
3630	4822 051 10104	100k 2% 0,25W
3631	4822 051 10182	1k8 2% 0,25W
3632	4822 051 10101	100Ω 2% 0,25W
3632	4822 051 10153	15k 2% 0,25W
3633	4822 051 10244	240k 2% 0,25W
3633	4822 051 10104	100k 2% 0,25W
3633	4822 051 10204	200k 2% 0,25W
3633	4822 051 10104	100k 2% 0,25W
3633	4822 051 10204	200k 2% 0,25W
3650	4822 051 20183	18k 5% 0,1W
3651	4822 051 10102	1k 2% 0,25W
3652	4822 051 10822	8k2 2% 0,25W
3653	4822 051 10104	100k 2% 0,25W
3654	4822 051 20222	2k2 5% 0,1W
3655	4822 051 20222	2k2 5% 0,1W
3656	4822 051 10103	10k 2% 0,25W
9039	4822 051 10333	33K00 2% 0,25W
9406	4822 116 52283	4K7 5% 0,5W
9406	4822 116 52296	6K8 5% 0,5W

Jumpers

4000	4822 051 10008	0Ω 5% 0,25W
4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4004	4822 051 10008	0Ω 5% 0,25W
4006	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4400	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4410	4822 051 10008	0Ω 5% 0,25W
4412	4822 051 10008	0Ω 5% 0,25W
4413	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4416	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4420	4822 051 10008	0Ω 5% 0,25W
4421	4822 051 10008	0Ω 5% 0,25W
4420	4822 051 10008	0Ω 5% 0,25W
4421	4822 051 10008	0Ω 5% 0,25W
4420	4822 051 10008	0Ω 5% 0,25W
4421	4822 051 10008	0Ω 5% 0,25W
4467	4822 051 10008	0Ω 5% 0,25W
4469	4822 051 10008	0Ω 5% 0,25W
4508	4822 051 10008	0Ω 5% 0,25W
4510	4822 051 10008	0Ω 5% 0,25W
4511	4822 051 10008	0Ω 5% 0,25W
4512	4822 051 10008	0Ω 5% 0,25W
4513	4822 051 10008	0Ω 5% 0,25W
4514	4822 051 10008	0Ω 5% 0,25W
4515	4822 051 10008	0Ω 5% 0,25W
4516	4822 051 10008	0Ω 5% 0,25W
4519	4822 051 10008	0Ω 5% 0,25W
4520	4822 051 10008	0Ω 5% 0,25W
4521	4822 051 10008	0Ω 5% 0,25W
4522	4822 051 10008	0Ω 5% 0,25W
4523	4822 051 10008	0Ω 5% 0,25W
4524	4822 051 10008	0Ω 5% 0,25W
4525	4822 051 10008	0Ω 5% 0,25W
4526	4822 051 10008	0Ω 5% 0,25W
4527	4822 051 10008	0Ω 5% 0,25W
4528	4822 051 10008	0Ω 5% 0,25W
4529	4822 051 10008	0Ω 5% 0,25W
4530	4822 051 10008	0Ω 5% 0,25W
4531	4822 051 10008	0Ω 5% 0,25W
4533	4822 051 10008	0Ω 5% 0,25W
4534	4822 051 10008	0Ω 5% 0,25W
4610	4822 051 10008	0Ω 5% 0,25W

5204	4822 157 10291	transf. as.CU28D5
5230	4822 148 81192	SOPS transf.
5231	4822 526 10494	ferrite bead
5233	4822 526 10494	ferrite bead
5235	4822 526 10494	ferrite bead
5237	4822 526 10494	ferrite bead
5241	4822 157 63696	18µH 10%
5255	4822 148 81225	µSOPS transf.
5260	4822 526 10494	ferrite bead
5262	4822 526 10494	ferrite bead
5308	4822 157 70001	180µH 10%
5310	4822 157 51195	1µH 20%
5381	4822 157 52265	100µH 10%
5503	4822 157 63252	line driver
5510	4822 157 62412	27µH 10%
5511	4822 157 52407	39µH 7,5%
5514	4822 157 70006	DC-SHIFT
5520	4822 157 63254	Linearity
5521	4822 157 63255	Coil
5524	4822 526 10494	ferrite bead
5526	4822 157 63253	East-west
5527	4822 701 12836	1µH 20%
5528	4822 701 12836	1µH 20%
5534	5322 157 52539	15µH 7,5%
5536	4822 157 70005	Tune coil
5543	4822 157 62412	27µH 10%
5555	4822 140 10443	L.O.T.

6000	4822 130 80446	LL4148
6001	4822 130 80446	LL4148
6008	4822 209 73095	P4KE30C-7000
6010	4822 130 80446	LL4148
6011	4822 130 80446	LL4148
6012	4822 130 80446	LL4148
6016	4822 130 80446	LL4148
6021	4822 130 80446	LL4148
6201	4822 130 80446	LL4148
6210	4822 130 33887	GP15J-16
6211	4822 130 33887	GP15J-16
6212	4822 130 33887	GP15J-16
6213	4822 130 33887	GP15J-16
6216	4822 130 42606	BYD33J
6220	4822 130 33887	GP15J-16
6221	4822 130 33887	GP15J-16
6230	4822 130 33529	BY229F-200
6232	4822 130 33529	BY229F-200
6235	4822 130 80982	BYW29F-100
6237	4822 130 80572	RGP30J-L7004
6238	4822 130 80572	RGP30J-L7004
6246	4822 130 80884	LLZ-C5V1
6247	4822 130 83086	LL4150
6251	4822 130 80954	LLZ-C5V6
6260	4822 130 80446	LL4148
6262	4822 130 42488	BYD33D
6266	4822 130 34278	BZX79-F6V8
6272	4822 130 34173	BZX55-B5V6

Large

6280	4
6302	4
6303	4
6304	4
6305	4
6306	4
6308	4
6312	4
6314	4
6315	4
6318	4
6319	5
6331	4
6349	4
6350	4
6351	4
6352	4
6353	4
6355	4
6356	4
6357	4
6370	4
6371	4
6372	4
6373	4
6375	4
6376	4
6403	4
6404	4
6417	4
6440	4
6441	4
6451	5
6452	4
6465	4
6467	4
6480	4
6504	4
6506	4
6507	4
6515	4
6516	4
6517	4
6519	4
6520	4
6526	4
6527	4
6529	4
6535	4
6536	4
6538	4
6542	4
6546	4
6547	4
6551	4
6601	4
6629	4
6650	4
6651	4

7000	4
7001	4
7002	4
7003	4
7005	5
7006	5
7007	4
7008	4
7009	4
7010	5
7011	4

10.2 CHASSIS FL 1.6 Spare parts list / Stückliste / Liste

Large signal panel

% 500V	2605	4822 122 33498	2,7nF 10% 63V
, 63V	2605	4822 122 32999	2,2nF 5% 50V
	2606	4822 122 33496	100nF 10% 63V
, 63V	2605	4822 122 33498	2,7nF 10% 63V
, 63V	2605	4822 122 32999	2,2nF 5% 50V
% 500V			
, 63V	2606	4822 122 33496	100nF 10% 63V
% 63V	2609	4822 121 43396	120nF 5% 63V
	2610	4822 124 41576	2,2µF 20% 50V
% 63V	2611	4822 124 41576	2,2µF 20% 50V
, 63V	2613	4822 122 31784	4,7nF 10% 50V
% 16V			
	2613	4822 122 31773	560pF 5% 50V
3V			
	-□-		
% 35V	3000	4822 051 10912	9k1 2% 0,25W
, 50V	3001	4822 051 10912	9k1 2% 0,25W
% 35V	3004	4822 051 10104	100k 2% 0,25W
% 50V	3005	4822 051 10104	100k 2% 0,25W
	3006	4822 051 10204	200k 2% 0,25W
, 63V			
, 63V	3009	4822 051 10204	200k 2% 0,25W
% 63V	3011	4822 051 10203	20k 2% 0,25W
, 25V	3012	4822 051 10203	20k 2% 0,25W
63V	3013	4822 116 52268	300k 5% 0,5W
	3014	4822 116 52268	300k 5% 0,5W
% 250V			
% 500V	3016	4822 052 10828	8Ω2 5% 0,33W
% 2kV	3021	4822 052 10828	8Ω2 5% 0,33W
% 2kV	3022	4822 052 10828	8Ω2 5% 0,33W
% 2kV	3025	4822 051 10333	33k 2% 0,25W
	3027	4822 051 10103	10k 2% 0,25W
% 2kV			
% 2kV	3028	4822 051 10103	10k 2% 0,25W
, 160V	3029	4822 051 10123	12k 2% 0,25W
, 50V	3030	4822 051 10123	12k 2% 0,25W
, 50V	3031	4822 051 10102	1k 2% 0,25W
	3032	4822 051 10102	1k 2% 0,25W
% 500V			
% 350V	3033	4822 116 52244	15k 5% 0,5W
160V	3034	4822 051 10472	4k7 2% 0,25W
, 250V	3035	4822 051 10153	15k 2% 0,25W
, 250V	3036	4822 051 10152	1k5 2% 0,25W
	3037	4822 051 10152	1k5 2% 0,25W
2kV			
630V	3040	4822 051 10273	27k 2% 0,25W
630V	3041	4822 051 10152	1k5 2% 0,25W
, 250V	3043	4822 051 10203	20k 2% 0,25W
630V	3044	4822 051 10221	220Ω 2% 0,25W
	3049	4822 051 10102	1k 2% 0,25W
, 250V			
% 2kV	3050	4822 051 10103	10k 2% 0,25W
% 50V	3051	4822 051 10203	20k 2% 0,25W
, 63V	3052	4822 051 10472	4k7 2% 0,25W
, 250V	3053	4822 051 10472	4k7 2% 0,25W
	3054	4822 053 21475	4M7 5% 0,5W
, 250V			
% 100V	3060	4822 051 10203	20k 2% 0,25W
% 500V	3061	4822 051 10201	200Ω 2% 0,25W
0% 35V	3065	4822 051 10184	180k 2% 0,25W
500V	3066	4822 051 10184	180k 2% 0,25W
	3067	4822 116 52296	6k8 5% 0,5W
0% 10V			
, 25V	3068	4822 116 52207	1k2 5% 0,5W
50V	3069	4822 051 10472	4k7 2% 0,25W
, 25V	3072	4822 051 10479	47Ω 2% 0,25W
% 63V	3073	4822 116 52257	22k 5% 0,5W
	3074	4822 051 10103	10k 2% 0,25W
% 16V	3201	4822 053 21475	4M7 5% 0,5W
% 63V	3202	4822 053 21825	8M2 5% 0,5W
% 63V	3204	4822 116 40033	NTC/PTC
% 25V	3204	4822 116 40215	PTC
	3209	4822 113 80603	1,5Ω 10% 7W
, 63V			
% 10V	3210	4822 116 52239	120k 5% 0,5W
% 50V	3211	4822 116 52239	120k 5% 0,5W
, 63V	3212	4822 116 52234	100k 5% 0,5W
, 63V	3213	4822 051 10823	82k 2% 0,25W
	3215	4822 051 10472	4k7 2% 0,25W
, 63V			
% 63V	3216	4822 115 90309	56Ω 10% 5W
, 63V	3234	4822 100 11481	1k 30% LIN
% 63V	3235	4822 051 10008	0Ω 5% 0,25W
0% 50V	3236	4822 051 10681	680Ω 2% 0,25W
	3237	4822 051 10101	100Ω 2% 0,25W
	3238	4822 113 80601	1Ω 10% 5W
	3239	4822 116 52297	68k 5% 0,5W
	3240	4822 116 52297	68k 5% 0,5W
	3241	4822 113 80602	5,6Ω 10% 5W
	3242	4822 051 10122	1k2 2% 0,25W
	3243	4822 053 10221	220Ω 5% 1W
	3244	4822 116 52211	150Ω 5% 0,5W
	3247	4822 051 10122	1k2 2% 0,25W
	3248	4822 051 10562	5k6 2% 0,25W
	3249	4822 116 52258	220k 5% 0,5W
	3250	4822 116 52198	62Ω 5% 0,5W
	3251	4822 051 10102	1k 2% 0,25W
	3252	4822 116 52258	220k 5% 0,5W
	3253	4822 116 82738	10k 10%
	3255	4822 116 52243	1k5 5% 0,5W
	3266	4822 051 10151	150Ω 2% 0,25W
	3267	4822 051 10101	100Ω 2% 0,25W
	3268	4822 053 11689	68Ω 5% 2W
	3270	4822 051 10118	1Ω1 5% 0,25W
	3271	4822 053 10399	39Ω 5% 1W
	3272	4822 051 51201	120Ω 1% 0,125W
	3273	4822 051 10472	4k7 2% 0,25W
	3274	4822 051 10102	1k 2% 0,25W
	3275	4822 116 52206	120Ω 5% 0,5W
	3298	4822 051 10689	68Ω 2% 0,25W
	3298	4822 051 10399	39Ω 2% 0,25W
	3298	4822 051 10479	47Ω 2% 0,25W
	3298	4822 051 10569	56Ω 2% 0,25W
	3300	4822 053 10753	75k 5% 1W
	3304	4822 051 10473	47k 2% 0,25W
	3305	4822 051 10113	11k 2% 0,25W
	3306	4822 051 10823	82k 2% 0,25W
	3308	4822 053 12151	150Ω 5% 3W
	3309	4822 051 10103	10k 2% 0,25W
	3310	4822 116 52184	18Ω 5% 0,5W
	3311	4822 051 10471	470Ω 2% 0,25W
	3312	4822 051 10101	100Ω 2% 0,25W
	3313	4822 116 52184	18Ω 5% 0,5W
	3314	4822 116 52175	100Ω 5% 0,5W
	3317	4822 051 10682	6k8 2% 0,25W
	3320	4822 051 10471	470Ω 2% 0,25W
	3321	4822 051 10471	470Ω 2% 0,25W
	3322	4822 051 10471	470Ω 2% 0,25W
	3331	4822 116 52267	30k 5% 0,5W
	3332	4822 116 52233	10k 5% 0,5W
	3351	4822 052 11279	27Ω 5% 0,5W
	3356	4822 051 10681	680Ω 2% 0,25W
	3357	4822 050 27871	787Ω 1% 0,6W
	3358	4822 116 52183	16Ω 5% 0,5W
	3360	4822 051 10122	1k2 2% 0,25W
	3362	4822 051 10151	150Ω 2% 0,25W
	3364	4822 051 10471	470Ω 2% 0,25W
	3365	4822 051 10221	220Ω 2% 0,25W
	3366	4822 051 10221	220Ω 2% 0,25W
	3368	4822 116 52226	560Ω 5% 0,5W
	3369	4822 116 52226	560Ω 5% 0,5W
	3370	4822 051 10332	3k3 2% 0,25W
	3371	4822 100 11348	1k 30% LIN
	3372	4822 051 10561	560Ω 2% 0,25W
	3374	4822 116 52301	75k 5% 0,5W
	3375	4822 051 10242	2k4 2% 0,25W
	3376	4822 116 52175	100Ω 5% 0,5W
	3378	4822 051 10101	100Ω 2% 0,25W
	3380	4822 051 10152	1k5 2% 0,25W
	3381	4822 051 10152	1k5 2% 0,25W
	3382	4822 051 10103	10k 2% 0,25W
	3383	4822 051 10103	10k 2% 0,25W
	3385	4822 051 10223	22k 2% 0,25W
	3402	4822 051 10562	5k6 2% 0,25W
	3403	4822 051 10229	22Ω 2% 0,25W
	3404	4822 051 10182	1k8 2% 0,25W
	3405	4822 051 10333	33k 2% 0,25W
	3406	4822 100 11483	10k 30% LIN
	3407	4822 051 10561	560Ω 2% 0,25W
	3408	4822 051 10563	56k 2% 0,25W
	3409	4822 116 52268	300k 5% 0,5W
	3410	4822 100 11213	22k 30% LIN
	3411	4822 051 10104	100k 2% 0,25W
	3411	4822 051 10913	91k 2% 0,25W
	3411	4822 051 10124	120k 2% 0,25W
	3411	4822 051 10913	91k 2% 0,25W
	3411	4822 051 10124	120k 2% 0,25W
	3413	4822 051 10101	100Ω 2% 0,25W
	3414	4822 051 10154	150k 2% 0,25W
	3415	4822 100 11392	47k 30% LIN
	3416	4822 116 81223	1M2 5% 0,5W
	3417	4822 116 52256	2k2 5% 0,5W
	3418	4822 051 10201	200Ω 2% 0,25W
	3419	4822 052 10279	27Ω 5% 0,33W
	3420	4822 050 23905	3M9 1% 0,6W
	3421	4822 116 52243	1k5 5% 0,5W
	3422	4822 116 81223	1M2 5% 0,5W
	3422	4822 116 81783	1M5 5% 0,5W
	3424	4822 051 10221	220Ω 2% 0,25W
	3426	4822 051 10331	330Ω 2% 0,25W
	3428	4822 116 52271	33k 5% 0,5W
	3429	4822 116 52205	1k1 5% 0,5W
	3430	4822 051 10471	470Ω 2% 0,25W
	3439	4822 116 52247	16k 5% 0,5W
	3441	4822 051 10622	6k2 2% 0,25W
	3442	4822 051 10332	3k3 2% 0,25W
	3444	4822 051 10103	10k 2% 0,25W
	3446	4822 116 52264	27k 5% 0,5W
	3450	4822 051 10432	4k3 2% 0,25W
	3451	4822 051 10432	4k3 2% 0,25W
	3455	4822 051 10471	470Ω 2% 0,25W
	3456	4822 051 10124	120k 2% 0,25W
	3456	4822 051 10134	130k 2% 0,25W
	3457	4822 051 10822	8k2 2% 0,25W
	3457	4822 051 10912	9k1 2% 0,25W
	3458	4822 116 80676	1Ω5 5% 0,2W
	3459	4822 116 80676	1Ω5 5% 0,2W
	3460	4822 053 10271	270Ω 5% 1W
	3461	4822 116 80176	1Ω 5% 0,5W
	3462	4822 116 80176	1Ω 5% 0,5W
	3463	4822 116 80176	1Ω 5% 0,5W
	3465	4822 051 10681	680Ω 2% 0,25W
	3466	4822 116 52243	1k5 5% 0,5W
	3466	4822 116 52263	2k7 5% 0,5W
	3466	4822 116 52279	4k3 5% 0,5W
	3466	4822 116 52263	2k7 5% 0,5W
	3466	4822 116 52279	4k3 5% 0,5W
	3467	4822 100 20166	10k 30% LIN
	3468	4822 053 12221	220Ω 5% 3W
	3469	4822 050 11002	1k 1% 0,4W
	3469	4822 116 52263	2k7 5% 0,5W
	3469	4822 116 52279	4k3 5% 0,5W
	3470	4822 051 10392	3k9 2% 0,25W
	3469	4822 116 52263	2k7 5% 0,5W
	3469	4822 116 52279	4k3 5% 0,5W
	3470	4822 051 10392	3k9 2% 0,25W
	3473	4822 116 52253	2k 5% 0,5W
	3479	4822 051 10683	68k 2% 0,25W
	3480	4822 116 52234	100k 5% 0,5W
	3481	4822 051 10102	1k 2% 0,25W
	3482	4822 051 10229	22Ω 2% 0,25W
	3483	4822 051 10563	56k 2% 0,25W
	3484	4822 051 10223	22k 2% 0,25W
	3485	4822 051 10102	1k 2% 0,25W
	3500	4822 116 80176	1Ω 5% 0,5W
	3502	4822 116 52299	7k5 5% 0,5W
	3503	4822 116 52299	7k5 5% 0,5W
	3504	4822 053 11108	1Ω 5% 2W
	3505	4822 051 10472	4k7 2% 0,25W
	3506	4822 053 11108	1Ω 5% 2W

Large signal panel

Connectors

	4822 266 30359	6P female
	4822 265 40472	10P female gold plated
	4822 290 40295	7P male
	4822 265 40818	8P male
	4822 267 40985	6P male
	4822 264 40207	3P male
	4822 265 30389	2P male
	4822 265 40596	2P male
	4822 265 20512	2P male green
	4822 265 30953	6P male
	4822 264 50149	10P male gold plated
	4822 265 30389	2P male
	4822 265 30984	5P

Various parts

	4822 492 70143	spring 10 X 33MM
	4822 492 62076	spring fix transistor
	4822 492 70788	spring fix IC
	4822 492 70789	spring fix transistor
	4822 276 12998	mains switch
	4822 256 30274	fuse holder
	4822 290 60812	socket for ext. loudspeakers
	4822 267 20417	socket for squeeters
	4822 276 13094	switch loudsp. ON/OFF
	4822 320 11086	focus cable
	4822 320 20162	EHT cable
	4822 212 30203	SOPS panel
	4822 310 31993	SOPS repair kit
1010	4822 212 30195	NTSC ASSY
1200	4822 070 33152	fuse T3,15A
1250	4822 052 101081	R 5% 0,33W

⊣⊢

2000	4822 122 31773	560pF 5% 50V
2001	4822 122 31784	4,7nF 10% 50V
2002	4822 122 31784	4,7nF 10% 50V
2003	4822 126 11175	22pF 5% 50V
2004	4822 122 32142	270pF 5% 63V
2005	4822 122 32142	270pF 5% 63V
2007	4822 122 31797	22nF 10% 63V
2008	4822 122 31797	22nF 10% 63V
2009	4822 126 11175	22pF 5% 50V
2010	4822 122 32597	6,8nF 10% 63V
2011	4822 122 31775	680pF 5% 50V
2012	4822 122 32927	220nF
2013	4822 122 32927	220nF
2014	4822 122 32597	6,8nF 10% 63V
2015	4822 124 42109	22µF 10% 50V
2016	4822 124 42109	22µF 10% 50V
2018	4822 122 31797	22nF 10% 63V
2019	4822 122 31414	10nF 100V
2020	4822 122 31414	10nF 100V
2021	4822 122 31414	10nF 100V
2022	4822 122 31414	10nF 100V
2023	5322 122 33446	3,3nF 10% 63V
2024	5322 122 33446	3,3nF 10% 63V
2025	4822 122 10166	22nF 30% 16V
2026	4822 122 32927	220nF
2027	4822 122 32927	220nF
2028	4822 122 32927	220nF
2029	4822 122 32927	220nF
2030	4822 126 11175	22pF 5% 50V
2031	4822 126 11175	22pF 5% 50V
2032	4822 122 31797	22nF 10% 63V
2033	4822 122 10166	22nF 30% 16V
2034	4822 122 32862	10nF 80% 50V
2035	4822 122 31775	680pF 5% 50V
2036	4822 122 31773	560pF 5% 50V
2037	4822 122 31773	560pF 5% 50V
2038	4822 122 31644	2,2nF 10% 63V
2040	4822 122 32927	220nF
2041	4822 122 32927	220nF
2043	4822 122 32927	220nF
2045	4822 122 32927	220nF
2046	4822 122 32927	220nF
2047	4822 122 32927	220nF
2050	4822 124 42362	33µF 20% 16V
2051	4822 124 42362	33µF 20% 16V
2052	4822 124 42362	33µF 20% 16V
2053	4822 124 42362	33µF 20% 16V
2056	4822 122 31773	560pF 5% 50V
2057	4822 122 31773	560pF 5% 50V
2058	4822 122 31773	560pF 5% 50V
2059	4822 122 31773	560pF 5% 50V
2060	4822 122 31773	560pF 5% 50V
2065	4822 126 11156	684nF 20%
2066	4822 126 11156	684nF 20%
2070	4822 124 40272	33µF 20% 16V
2071	4822 124 42184	33µF 20% 25V
2072	4822 124 41584	100µF 20% 10V
2073	4822 124 21212	15µF 20% 40V
2074	5322 122 31647	1nF 10% 63V
2200	4822 121 43819	680nF 10% 250V
2203	4822 121 40487	100nF 10% 400V
2210	4822 126 11141	2,2nF 10% 1kV
2211	4822 126 11141	2,2nF 10% 1kV
2214	4822 124 23492	220µF 50% 385V
2215	4822 122 33665	3,3nF 20% 125V
2216	4822 126 10202	1,5nF 10% 2kV
2230	4822 122 31784	4,7nF 10% 50V
2231	4822 126 11157	470pF 10% 500V
2232	4822 124 40785	3300µF 20% 25V
2233	4822 126 11157	470pF 10% 500V
2234	4822 124 40785	3300µF 20% 25V
2235	4822 126 11157	470pF 10% 500V
2236	4822 124 80215	1000µF 20% 35V
2237	4822 122 33708	2,2nF 10% 1kV
2238	4822 124 22583	47µF 160V
2239	4822 124 40193	68µF 20% 16V
2254	4822 126 11496	120pF 5% 2kV
2255	4822 122 32142	270pF 5% 63V
2258	5322 121 42502	390nF 5% 63V
2260	4822 122 31727	470pF 5% 63V
2261	5322 124 21189	100µF 20% 40V
2262	4822 122 31727	470pF 5% 63V
2263	4822 124 40849	330µF 20% 16V
2270	4822 124 41584	100µF 20% 10V
2272	4822 122 33496	100nF 10% 63V
2302	4822 122 31965	220pF 5% 63V
2303	4822 122 31767	150pF 5% 50V
2308	4822 122 32891	68nF 10% 63V
2321	4822 121 51319	1µF 10% 63V
2330	4822 122 32442	10nF 50V
2331	4822 122 32891	68nF 10% 63V
2351	4822 121 41854	150nF 5% 63V
2360	4822 122 31981	33nF 5% 50V
2361	4822 121 42589	82nF 5% 63V
2365	5322 122 32838	82nF 10% 63V
2372	5322 121 42502	390nF 5% 63V
2376	4822 124 40272	33µF 20% 16V
2380	4822 122 33496	100nF 10% 63V
2381	4822 122 33496	100nF 10% 63V
2382	4822 122 33496	100nF 10% 63V
2386	5322 122 31647	1nF 10% 63V
2401	4822 122 32542	47nF 10% 63V
2402	4822 124 41576	2,2µF 20% 50V
2403	5322 124 41431	22µF 20% 35V
2404	4822 124 41577	4,7µF 20% 50V
2405	4822 122 32542	47nF 10% 63V
2406	4822 121 51091	1,2nF 2% 250V
2407	4822 122 32153	1,8nF 10% 63V
2408	4822 122 31168	270pF 10% 500V
2409	4822 122 31797	22nF 10% 63V
2410	4822 121 41854	150nF 5% 63V
2411	4822 121 41854	150nF 5% 63V
2412	4822 122 31211	100pF 10% 500V
2415	4822 122 32542	47nF 10% 63V
2416	4822 122 33496	100nF 10% 63V
2417	4822 122 32808	1,2nF 10% 63V
2418	4822 122 31797	22nF 10% 63V
2419	4822 124 40849	330µF 20% 16V
2450	4822 122 32442	10nF 50V
2451	4822 122 31746	1nF 2% 63V
2452	4822 124 41716	220µF 20% 35V
2455	4822 122 31771	390pF 5% 50V
2456	4822 124 41334	470µF 20% 35V
2456	4822 124 41747	680µF 20%
2457	4822 124 42251	1,5µF 10% 50V
2458	4822 122 31797	22nF 10% 63V
2459	4822 122 32891	68nF 10% 63V
2460	4822 122 33496	100nF 10% 63V
2480	4822 124 80214	22µF 20% 25V
2501	4822 122 31961	68pF 5% 63V
2502	4822 121 41689	100nF 10% 250V
2503	4822 126 11157	470pF 10% 500V
2504	4822 126 12239	560pF 10% 2kV
2504	4822 126 11136	470pF 10% 2kV
2505	4822 126 11693	680pF 10% 2kV
2505	4822 126 12239	560pF 10% 2kV
2509	4822 126 11539	1,2nF 10% 2kV
2511	4822 124 41739	47µF 20% 160V
2512	4822 124 41596	22µF 20% 50V
2513	4822 124 41596	22µF 20% 50V
2517	4822 122 31177	470pF 10% 500V
2518	4822 124 22449	4,7µF 30% 350V
2519	4822 124 41831	1µF 20% 160V
2520	4822 121 51528	470nF 5% 250V
2521	4822 121 51563	560nF 5% 250V
2523	4822 121 43065	7,5nF 5% 2kV
2524	4822 121 43915	27nF 5% 630V
2524	4822 121 70071	30nF 5% 630V
2525	4822 121 51563	560nF 5% 250V
2524	4822 121 70071	30nF 5% 630V
2525	4822 121 51563	560nF 5% 250V
2527	4822 126 11693	680pF 10% 2kV
2529	4822 124 22467	2,2µF 20% 50V
2530	4822 122 31797	22nF 10% 63V
2531	4822 121 40516	22nF 10% 250V
2532	4822 121 51563	560nF 5% 250V
2533	5322 122 32818	2,2nF 10% 100V
2534	4822 126 11502	470pF 10% 500V
2535	4822 124 23488	1000µF 20% 35V
2536	4822 122 31175	1nF 10% 500V
2537	4822 124 40184	1000µF 20% 10V
2541	4822 124 42184	33µF 20% 25V
2542	4822 124 22466	1µF 20% 50V
2543	4822 124 23495	10µF 20% 25V
2546	4822 122 33496	100nF 10% 63V
2547	4822 122 32442	10nF 50V
2551	4822 124 40195	150µF 20% 16V
2552	4822 122 33496	100nF 10% 63V
2553	4822 122 33496	100nF 10% 63V
2554	4822 124 41525	100µF 20% 25V
2555	4822 122 32891	68nF 10% 63V
2556	4822 124 41584	100µF 20% 10V
2600	4822 124 41577	4,7µF 20% 50V
2601	4822 122 31797	22nF 10% 63V
2603	4822 122 32891	68nF 10% 63V
2603	4822 122 32542	47nF 10% 63V
2603	4822 122 33496	100nF 10% 63V
2603	4822 122 32542	47nF 10% 63V
2603	4822 122 33496	100nF 10% 63V
2605	4822 122 31781	1500pF 10% 50V

Spare parts list / Stückliste / Liste

Small signal panel

63V	2734	4822 122 32863	22nF 80% 50V
63V	2736	4822 122 32597	6,8nF 10% 63V
50V			
50V			
50V			
	3100	4822 051 10102	1k 2% 0,25W
	3101	4822 116 52175	100Ω 5% 0,5W
	3103	4822 051 10101	100Ω 2% 0,25W
	3104	4822 116 52175	100Ω 5% 0,5W
63V	3105	4822 051 10101	100Ω 2% 0,25W
63V			
	3113	4822 116 52175	100Ω 5% 0,5W
50V	3114	4822 116 52175	100Ω 5% 0,5W
	3115	4822 116 52175	100Ω 5% 0,5W
	3116	4822 116 52175	100Ω 5% 0,5W
	3117	4822 051 20222	2k2 5% 0,1W
50V			
	3119	4822 051 20222	2k2 5% 0,1W
50V	3120	4822 051 20222	2k2 5% 0,1W
63V	3121	4822 051 10123	12k 2% 0,25W
16V	3122	4822 051 10472	4k7 2% 0,25W
63V	3122	4822 051 10822	8k2 2% 0,25W
63V	3123	4822 051 10472	4k7 2% 0,25W
	3123	4822 051 10822	8k2 2% 0,25W
63V			
63V	3124	4822 051 10101	100Ω 2% 0,25W
	3125	4822 051 10101	100Ω 2% 0,25W
63V	3126	4822 051 10101	100Ω 2% 0,25W
	3127	4822 051 10101	100Ω 2% 0,25W
63V	3128	4822 051 10471	470Ω 2% 0,25W
63V	3129	4822 116 52175	100Ω 5% 0,5W
	3131	4822 116 52175	100Ω 5% 0,5W
63V	3132	4822 116 52175	100Ω 5% 0,5W
63V	3133	4822 051 10151	150Ω 2% 0,25W
63V	3134	4822 116 52175	100Ω 5% 0,5W
35V			
	3135	4822 051 10101	100Ω 2% 0,25W
63V	3136	4822 051 10101	100Ω 2% 0,25W
	3137	4822 116 52183	16Ω 5% 0,5W
63V	3138	4822 116 52175	100Ω 5% 0,5W
63V	3139	4822 116 52175	100Ω 5% 0,5W
63V			
	3140	4822 050 11002	1k 1% 0,4W
63V	3141	4822 050 11002	1k 1% 0,4W
63V	3142	4822 050 11002	1k 1% 0,4W
	3143	4822 050 11002	1k 1% 0,4W
63V	3144	4822 050 11002	1k 1% 0,4W
	3145	4822 050 11002	1k 1% 0,4W
63V	3146	4822 050 11002	1k 1% 0,4W
63V	3148	4822 051 10473	47k 2% 0,25W
63V	3149	4822 051 10473	47k 2% 0,25W
63V	3150	4822 051 10473	47k 2% 0,25W
63V			
	3151	4822 051 10562	5k6 2% 0,25W
63v	3152	4822 051 10103	10k 2% 0,25W
63V	3153	4822 051 10103	10k 2% 0,25W
63V	3154	4822 051 10152	1k5 2% 0,25W
16V	3155	4822 051 10104	100k 2% 0,25W
63V	3156	4822 051 10562	5k6 2% 0,25W
63V	3157	4822 050 11002	1k 1% 0,4W
50V	3158	4822 050 11002	1k 1% 0,4W
50V	3159	4822 051 10103	10k 2% 0,25W
0V	3160	4822 052 10758	7Ω5 5% 0,33W
63V	3160	4822 116 81203	10Ω 5% 0,3W
	3161	4822 051 10103	10k 2% 0,25W
0V			
63V	3162	4822 052 10758	7Ω5 5% 0,33W
63V	3163	4822 051 10223	22k 2% 0,25W
63V	3164	4822 051 10101	100Ω 2% 0,25W
3V	3165	4822 051 10101	100Ω 2% 0,25W
	3166	4822 052 10228	2Ω2 5% 0,33W
3V			
63V	3167	4822 051 10122	1k2 2% 0,25W
35V	3168	4822 051 10242	2k4 2% 0,25W
50V	3169	4822 050 11002	1k 1% 0,4W
50V	3170	4822 116 82772	3Ω9 5% 0.3W
	3171	4822 052 11511	510Ω 5% 0,5W
63V			
35V	3172	4822 111 41424	22Ω 5% 0,3W
50V	3175	4822 051 10153	15k 2% 0,25W
63V	3176	4822 051 10103	10k 2% 0,25W
16V	3177	4822 051 10103	10k 2% 0,25W
	3178	4822 051 10223	22k 2% 0,25W
16V			
	3180	4822 116 52224	470Ω 5% 0,5W
	3181	4822 051 10822	8k2 2% 0,25W
	3182	4822 116 52214	200Ω 5% 0,5W
	3183	4822 116 52233	10k 5% 0,5W
	3184	4822 051 51201	120Ω 1% 0,125W
	3185	4822 051 10471	470Ω 2% 0,25W
	3186	4822 116 52256	2k2 5% 0,5W
	3187	4822 051 10759	75Ω 2% 0,25W
	3188	4822 051 20222	2k2 5% 0,1W
	3189	4822 051 10223	22k 2% 0,25W
	3190	4822 051 10823	82k 2% 0,25W
	3191	4822 051 56203	62k 1% 0,125W
	3192	4822 051 10153	15k 2% 0,25W
	3193	4822 051 10331	330Ω 2% 0,25W
	3194	4822 051 10331	330Ω 2% 0,25W
	3196	4822 051 10473	47k 2% 0,25W
	3197	4822 051 10473	47k 2% 0,25W
	3200	4822 051 10472	4k7 2% 0,25W
	3201	4822 051 10472	4k7 2% 0,25W
	3205	4822 051 10759	75Ω 2% 0,25W
	3206	4822 051 10759	75Ω 2% 0,25W
	3207	4822 051 10759	75Ω 2% 0,25W
	3208	4822 051 10101	100Ω 2% 0,25W
	3209	4822 051 10101	100Ω 2% 0,25W
	3210	4822 051 10101	100Ω 2% 0,25W
	3211	4822 116 52217	270Ω 5% 0,5W
	3215	4822 051 10689	68Ω 2% 0,25W
	3216	4822 116 81193	15Ω 5% 0,3W
	3217	4822 116 52224	470Ω 5% 0,5W
	3218	4822 051 10471	470Ω 2% 0,25W
	3219	4822 051 10471	470Ω 2% 0,25W
	3220	4822 051 10471	470Ω 2% 0,25W
	3222	4822 116 52217	270Ω 5% 0,5W
	3224	4822 051 10759	75Ω 2% 0,25W
	3225	4822 051 10471	470Ω 2% 0,25W
	3232	4822 051 10102	1k 2% 0,25W
	3233	4822 051 10102	1k 2% 0,25W
	3234	4822 051 10759	75Ω 2% 0,25W
	3235	4822 051 10759	75Ω 2% 0,25W
	3237	4822 116 52217	270Ω 5% 0,5W
	3238	4822 116 52222	390Ω 5% 0,5W
	3239	4822 051 10271	270Ω 2% 0,25W
	3240	4822 051 10759	75Ω 2% 0,25W
	3241	4822 051 10759	75Ω 2% 0,25W
	3242	4822 116 52219	330Ω 5% 0,5W
	3243	4822 051 10152	1k5 2% 0,25W
	3244	4822 051 10102	1k 2% 0,25W
	3245	4822 051 10474	470k 2% 0,25W
	3246	4822 051 10331	330Ω 2% 0,25W
	3247	4822 051 10102	1k 2% 0,25W
	3248	4822 051 10681	680Ω 2% 0,25W
	3249	4822 051 10102	1k 2% 0,25W
	3251	4822 051 10759	75Ω 2% 0,25W
	3252	4822 051 10759	75Ω 2% 0,25W
	3253	4822 051 10331	330Ω 2% 0,25W
	3254	4822 116 81193	15Ω 5% 0,3W
	3255	4822 051 10821	820Ω 2% 0,25W
	3256	4822 051 10103	10k 2% 0,25W
	3257	4822 051 10103	10k 2% 0,25W
	3259	4822 051 10103	10k 2% 0,25W
	3260	4822 116 81193	15Ω 5% 0,3W
	3261	4822 051 10471	470Ω 2% 0,25W
	3262	4822 051 10103	10k 2% 0,25W
	3263	4822 051 10689	68Ω 2% 0,25W
	3264	4822 051 10471	470Ω 2% 0,25W
	3265	4822 051 10103	10k 2% 0,25W
	3266	4822 051 10103	10k 2% 0,25W
	3267	4822 051 10103	10k 2% 0,25W
	3268	4822 051 10101	100Ω 2% 0,25W
	3269	4822 051 10561	560Ω 2% 0,25W
	3270	4822 051 10472	4k7 2% 0,25W
	3271	4822 051 10471	470Ω 2% 0,25W
	3272	4822 116 52228	680Ω 5% 0,5W
	3273	4822 051 10471	470Ω 2% 0,25W
	3274	4822 051 10103	10k 2% 0,25W
	3275	4822 051 10689	68Ω 2% 0,25W
	3276	4822 051 10471	470Ω 2% 0,25W
	3277	4822 051 10271	270Ω 2% 0,25W
	3279	4822 051 10689	68Ω 2% 0,25W
	3281	4822 116 52201	75Ω 5% 0,5W
	3285	4822 051 10103	10k 2% 0,25W
	3286	4822 051 10103	10k 2% 0,25W
	3287	4822 051 10103	10k 2% 0,25W
	3288	4822 051 10103	10k 2% 0,25W
	3300	4822 051 10103	10k 2% 0,25W
	3301	4822 051 10332	3k3 2% 0,25W
	3303	4822 051 10361	360Ω 2% 0,25W
	3304	4822 051 51201	120Ω 1% 0,125W
	3304	4822 051 10101	100Ω 2% 0,25W
	3305	4822 051 10104	100k 2% 0,25W
	3306	4822 051 10361	360Ω 2% 0,25W
	3310	4822 116 52207	1k2 5% 0,5W
	3310	4822 116 52283	4k7 5% 0,5W
	3316	4822 051 10112	1k1 2% 0,25W
	3324	4822 051 10223	22k 2% 0,25W
	3325	4822 051 10682	6k8 2% 0,25W
	3326	4822 051 10332	3k3 2% 0,25W
	3326	4822 051 10103	10k 2% 0,25W
	3327	4822 051 10122	1k2 2% 0,25W
	3329	4822 051 10108	1Ω0 5% 0,25W
	3336	4822 051 10472	4k7 2% 0,25W
	3338	4822 051 10391	390Ω 2% 0,25W
	3339	4822 051 10153	15k 2% 0,25W
	3342	4822 051 20222	2k2 5% 0,1W
	3344	4822 051 10273	27k 2% 0,25W
	3345	4822 051 10102	1k 2% 0,25W
	3350	4822 051 51201	120Ω 1% 0,125W
	3351	4822 051 10472	4k7 2% 0,25W
	3353	4822 051 10332	3k3 2% 0,25W
	3360	4822 052 10278	2Ω7 5% 0,33W
	3361	4822 051 10102	1k 2% 0,25W
	3369	4822 051 10331	330Ω 2% 0,25W
	3370	4822 100 11391	330Ω 30% LIN
	3371	4822 051 10431	430Ω 2% 0,25W
	3372	4822 051 10331	330Ω 2% 0,25W
	3375	4822 051 10008	0Ω 5% 0,25W
	3377	4822 051 10682	6k8 2% 0,25W
	3380	4822 050 11002	1k 1% 0,4W
	3382	4822 051 20222	2k2 5% 0,1W
	3383	4822 051 10103	10k 2% 0,25W
	3385	4822 051 10105	1M 5% 0,25W
	3387	4822 050 11002	1k 1% 0,4W
	3389	4822 051 10182	1k8 2% 0,25W
	3390	4822 051 10911	910Ω 2% 0,25W
	3391	4822 051 20222	2k2 5% 0,1W
	3392	4822 051 10101	100Ω 2% 0,25W
	3393	4822 051 10101	100Ω 2% 0,25W
	3394	4822 051 10101	100Ω 2% 0,25W
	3395	4822 051 10471	470Ω 2% 0,25W
	3396	4822 051 20222	2k2 5% 0,1W
	3397	4822 052 10249	24Ω 5% 0,33W
	3398	4822 116 52175	100Ω 5% 0,5W
	3399	4822 116 52175	100Ω 5% 0,5W
	3425	4822 116 52224	470Ω 5% 0,5W
	3426	4822 116 52224	470Ω 5% 0,5W
	3439	4822 051 10181	180Ω 2% 0,25W
	3441	4822 051 10181	180Ω 2% 0,25W
	3443	4822 051 10181	180Ω 2% 0,25W
	3450	4822 051 20222	2k2 5% 0,1W
	3451	4822 051 10432	4k3 2% 0,25W
	3453	4822 051 10511	510Ω 2% 0,25W
	3454	4822 051 10101	100Ω 2% 0,25W
	3455	4822 051 10101	100Ω 2% 0,25W
	3456	4822 051 10101	100Ω 2% 0,25W
	3465	4822 050 11002	1k 1% 0,4W
	3471	4822 116 52233	10k 5% 0,5W

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Small signal panel

Connectors

	4822 264 40207	3P male
	4822 265 40442	10P male
	4822 265 20509	2P
	4822 265 40252	7P male
	4822 265 40253	8P
	4822 265 41113	7P
	4822 265 41086	9P male
	4822 265 41082	10P
	4822 290 40295	7P male
	4822 267 40648	5P male gold plated
	4822 264 50149	10P male gold plated
	4822 265 30828	5P male
	4822 267 40648	5P male gold plated
	4822 265 30437	3P male

Various parts

	4822 267 20427	socket SCART+ 4xcinch
	4822 267 51058	socket SCART
	4822 267 41005	socket 2xcinch+ 2xSVHS
	4822 267 41004	socket HEADPH. +cinch+SVHS
	4822 218 21084	keyboard
	4822 255 40901	socket 40 POLE
1100	4822 212 23281	IR receiver
1160	4822 210 10409	FQ816ME/IF
1160	4822 210 10416	FQ816MF/IF
1160	4822 210 10412	FQ844
1248	4822 242 80364	filter 4,43MHz
1379	4822 242 70736	crystal 7,159 090 MHz
1380	4822 242 70304	crystal 8,867 238 MHz
1600	4822 212 30039	SECAM DK panel
1602	4822 242 80276	crystal 10MHz

⊣⊢

2100	4822 124 40684	150µF 20% 6,3V
2111	4822 122 32863	22nF 80% 50V
2114	4822 124 22606	68µF 20% 16V
2118	4822 122 31797	22nF 10% 63V
2119	4822 122 31797	22nF 10% 63V
2120	4822 122 32863	22nF 80% 50V
2121	5322 122 31647	1nF 10% 63V
2122	4822 122 32442	10nF 50V
2123	4822 126 11804	330nF
2130	4822 122 31797	22nF 10% 63V
2131	4822 124 22606	68µF 20% 16V
2132	4822 122 31797	22nF 10% 63V
2137	4822 122 32442	10nF 50V
2138	4822 124 40193	68µF 20% 16V
2160	4822 124 40849	330µF 20% 16V
2161	4822 122 33496	100nF 10% 63V
2163	4822 122 33496	100nF 10% 63V
2164	4822 122 33496	100nF 10% 63V
2166	4822 124 40684	150µF 20% 6,3V
2168	4822 122 32927	220nF
2169	4822 122 32442	10nF 50V
2170	4822 124 40195	150µF 20% 16V
2171	4822 122 32862	10nF 80% 50V
2172	4822 124 41506	47µF 20% 16V
2188	4822 122 32863	22nF 80% 50V
2189	4822 122 32863	22nF 80% 50V
2190	4822 122 32863	22nF 80% 50V
2191	4822 122 32863	22nF 80% 50V
2193	4822 122 32153	1,8nF 10% 63V
2194	4822 122 32153	1,8nF 10% 63V
2196	4822 124 22606	68µF 20% 16V
2197	4822 124 22606	68µF 20% 16V
2216	4822 122 32927	220nF
2219	4822 122 32927	220nF
2234	4822 122 32927	220nF
2240	4822 122 32927	220nF
2241	4822 121 42408	220nF 5% 63V
2242	4822 124 40196	220µF 20% 16V
2243	4822 121 42408	220nF 5% 63V
2245	4822 122 32927	220nF
2249	4822 122 32862	10nF 80% 50V
2250	4822 051 10102	1k 2% 0,25W
2252	4822 121 42408	220nF 5% 63V
2253	4822 126 11492	220nF 10% 50V
2254	4822 122 32927	220nF
2255	4822 124 41643	100µF 20% 16V
2257	4822 122 31947	100nF 20% 63V
2258	4822 122 31765	100pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2261	4822 122 31947	100nF 20% 63V
2268	4822 122 31947	100nF 20% 63V
2269	4822 122 32482	22pF 5% 63V
2270	4822 122 32863	22nF 80% 50V
2274	4822 122 32862	10nF 80% 50V
2301	5322 122 31647	1nF 10% 63V
2305	4822 126 10324	33pF 63V
2306	4822 122 31772	47pF 5% 50V
2312	4822 122 32863	22nF 80% 50V
2318	4822 121 42408	220nF 5% 63V
2324	4822 122 32863	22nF 80% 50V
2338	4822 122 31972	39pF 5% 50V
2338	4822 122 31772	47pF 5% 50V
2339	4822 122 31772	47pF 5% 50V
2342	4822 122 31972	39pF 5% 50V
2343	4822 122 31727	470pF 5% 63V
2344	4822 122 31775	680pF 5% 50V
2345	4822 122 31807	1200pF 5% 50V
2347	5322 122 31647	1nF 10% 63V
2353	4822 122 32862	10nF 80% 50V
2360	4822 124 40272	33µF 20% 16V
2361	4822 124 40849	330µF 20% 16V
2365	4822 122 31352	180pF 2% 100V
2366	4822 122 32863	22nF 80% 50V
2367	4822 122 32862	10nF 80% 50V
2368	4822 122 32862	10nF 80% 50V
2369	4822 122 31825	27pF 10% 50V
2371	4822 122 31825	27pF 10% 50V
2372	4822 122 31965	220pF 5% 63V
2373	4822 122 31965	220pF 5% 63V
2374	4822 122 32863	22nF 80% 50V
2375	4822 122 32863	22nF 80% 50V
2376	4822 122 32863	22nF 80% 50V
2376	5322 122 31641	47nF 80% 50V
2377	5322 121 42661	330nF 5% 63V
2378	4822 122 31947	100nF 20% 63V
2379	4822 125 50207	33pF trim.
2380	4822 125 50207	33pF trim.
2381	5322 121 42661	330nF 5% 63V
2382	5322 122 31647	1nF 10% 63V
2383	4822 122 32442	10nF 50V
2384	5322 122 31647	1nF 10% 63V
2385	4822 122 32442	10nF 50V
2386	4822 122 32862	10nF 80% 50V
2387	4822 124 40435	10µF 20% 50V
2388	5322 122 33446	3,3nF 10% 63V
2390	4822 122 32863	22nF 80% 50V
2391	4822 122 32863	22nF 80% 50V
2392	4822 122 32863	22nF 80% 50V
2395	4822 122 32863	22nF 80% 50V
2396	4822 122 32863	22nF 80% 50V
2397	4822 122 32863	22nF 80% 50V
2398	4822 124 40435	10µF 20% 50V
2399	4822 124 41506	47µF 20% 16V
2400	4822 122 32863	22nF 80% 50V
2433	4822 122 32863	22nF 80% 50V
2434	5322 122 33446	3,3nF 10% 63V
2435	5322 122 33446	3,3nF 10% 63V
2436	4822 122 31961	68pF 5% 63V
2438	4822 122 32863	22nF 80% 50V
2440	4822 122 32863	22nF 80% 50V
2442	4822 122 32863	22nF 80% 50V
2445	4822 126 11804	330nF
2446	4822 126 11804	330nF
2447	4822 126 11804	330nF
2451	5322 121 42661	330nF 5% 63V
2452	4822 124 40242	1µF 20% 63V
2453	4822 122 31774	56pF 5% 50V
2454	4822 126 10324	33pF 63V
2455	4822 126 10324	33pF 63V
2456	4822 126 10324	33pF 63V
2476	4822 124 41577	4,7µF 20% 50V
2478	4822 122 31784	4,7nF 10% 50V
2479	4822 122 33105	56nF 10% 63V
2480	4822 124 40272	33µF 20% 16V
2600	4822 122 31947	100nF 20% 63V
2602	4822 122 31947	100nF 20% 63V
2604	4822 122 31947	100nF 20% 63V
2606	4822 122 31947	100nF 20% 63V
2608	4822 122 32927	220nF
2620	4822 122 33496	100nF 10% 63V
2620	4822 122 32927	220nF
2621	4822 122 33496	100nF 10% 63V
2622	4822 122 33496	100nF 10% 63V
2622	4822 122 32927	220nF
2623	4822 122 33496	100nF 10% 63V
2624	5322 122 31842	330pF 5% 63V
2626	4822 121 42408	220nF 5% 63V
2627	5322 124 41431	22µF 20% 35V
2628	5322 122 31842	330pF 5% 63V
2630	4822 122 32927	220nF
2632	5322 122 31842	330pF 5% 63V
2634	4822 121 42408	220nF 5% 63V
2636	5322 122 31842	330pF 5% 63V
2638	4822 121 42408	220nF 5% 63V
2640	5322 122 31842	330pF 5% 63V
2642	4822 122 32927	220nF
2644	5322 122 31842	330pF 5% 63V
2646	4822 122 32927	220nF
2658	4822 122 31961	68pF 5% 63V
2659	4822 122 31961	68pF 5% 63V
2660	5322 122 31647	1nF 10% 63V
2662	5322 122 31647	1nF 10% 63V
2664	4822 122 32153	1,8nF 10% 63V
2666	4822 122 32153	1,8nF 10% 63v
2680	4822 122 31947	100nF 20% 63V
2681	4822 122 32542	47nF 10% 63V
2682	4822 124 40195	150µF 20% 16V
2684	4822 121 51252	470nF 5% 63V
2686	4822 121 51252	470nF 5% 63V
2688	4822 122 31782	15nF 10% 50V
2690	4822 122 31782	15nF 10% 50V
2692	4822 122 31981	33nF 5% 50V
2694	4822 122 31916	5,6nF 10% 63V
2696	4822 122 31981	33nF 5% 50V
2697	4822 122 31965	220pF 5% 63V
2698	4822 122 31916	5,6nF 10% 63V
2699	4822 122 31965	220pF 5% 63V
2700	4822 124 40242	1µF 20% 63V
2702	4822 124 40242	1µF 20% 63V
2704	4822 122 31644	2,2nF 10% 63V
2706	5322 124 41431	22µF 20% 35V
2707	4822 122 31784	4,7nF 10% 50V
2714	4822 122 32863	22nF 80% 50V
2716	4822 122 32597	6,8nF 10% 63V
2720	5322 124 41431	22µF 20% 35V
2721	4822 122 31784	4,7nF 10% 50V
2726	4822 122 31644	2,2nF 10% 63V
2727	4822 124 42362	33µF 20% 16V
2728	4822 124 42362	33µF 20% 16V

Small signal panel

7360	4822 130 42615	BC817-40
7365	4822 209 30837	TDA4650/V4/S1
7366	4822 209 63108	TDA4660/V2/S2
7390	4822 130 42513	BC858C
7395	4822 209 30394	TDA8443B/C1
7430	4822 209 63733	TDA4680/V5
7450	5322 130 42755	BC847C
7451	5322 130 42755	BC847C
7471	5322 130 42136	BC848C
7480	5322 130 44921	BD943
7600	4822 209 63967	TDA8417/V3
7620	4822 209 10263	4052B
7622	4822 209 10263	4052B
7630	4822 209 61115	LF353N
7630	4822 209 83163	LM833N
7635	4822 209 61115	LF353N
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

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Small signal panel

3472	4822 051 10682	6k8 2% 0,25W
3473	4822 051 10362	3k6 2% 0,25W
3474	4822 051 10101	100Ω 2% 0,25W
3475	4822 051 10124	120k 2% 0,25W
3476	4822 051 10154	150k 2% 0,25W
3477	4822 116 52286	5k1 5% 0,5W
3478	4822 116 52224	470Ω 5% 0,5W
3479	4822 051 10223	22k 2% 0,25W
3480	4822 052 10278	2Ω7 5% 0,33W
3481	4822 052 10278	2Ω7 5% 0,33W
3482	4822 116 52223	430Ω 5% 0,5W
3483	4822 116 52175	100Ω 5% 0,5W
3488	4822 051 20222	2k2 5% 0,1W
3590	4822 051 10101	100Ω 2% 0,25W
3600	4822 051 10362	3k6 2% 0,25W
3600	4822 051 10472	4k7 2% 0,25W
3602	4822 100 11212	2k2 30% LIN
3603	4822 051 10332	3k3 2% 0,25W
3604	4822 051 10182	1k8 2% 0,25W
3605	4822 051 10472	4k7 2% 0,25W
3606	4822 052 10279	27Ω 5% 0,33W
3607	4822 051 10302	3k 2% 0,25W
3608	4822 051 10101	100Ω 2% 0,25W
3610	4822 051 10101	100Ω 2% 0,25W
3612	4822 051 10102	1k 2% 0,25W
3620	4822 051 10184	180k 2% 0,25W
3622	4822 051 10184	180k 2% 0,25W
3624	4822 051 10102	1k 2% 0,25W
3626	4822 051 10184	180k 2% 0,25W
3628	4822 051 10102	1k 2% 0,25W
3630	4822 051 10184	180k 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3634	4822 051 10184	180k 2% 0,25W
3636	4822 051 10102	1k 2% 0,25W
3638	4822 051 10184	180k 2% 0,25W
3640	4822 051 10102	1k 2% 0,25W
3642	4822 051 10184	180k 2% 0,25W
3644	4822 051 10102	1k 2% 0,25W
3646	4822 051 10184	180k 2% 0,25W
3650	4822 051 10392	3k9 2% 0,25W
3651	4822 051 10123	12k 2% 0,25W
3652	4822 051 10392	3k9 2% 0,25W
3653	4822 051 10123	12k 2% 0,25W
3654	4822 116 52244	15k 5% 0,5W
3660	4822 051 10331	330Ω 2% 0,25W
3662	4822 051 10151	150Ω 2% 0,25W
3664	4822 051 10331	330Ω 2% 0,25W
3665	4822 116 81193	15Ω 5% 0,3W
3666	4822 051 10151	150Ω 2% 0,25W
3668	4822 051 10331	330Ω 2% 0,25W
3672	4822 051 10331	330Ω 2% 0,25W
3680	4822 052 10279	27Ω 5% 0,33W
3682	4822 051 10568	5Ω6 5% 0,25W
3684	4822 116 52175	100Ω 5% 0,5W
3686	4822 116 52175	100Ω 5% 0,5W
3700	4822 116 52263	2k7 5% 0,5W
3702	4822 051 10223	22k 2% 0,25W
3704	4822 051 10102	1k 2% 0,25W
3706	4822 116 81203	10Ω 5% 0,3W
3708	4822 051 10101	100Ω 2% 0,25W
3710	4822 051 20183	18k 5% 0,1W
3712	4822 116 52203	91Ω 5% 0,5W
3713	4822 116 52203	91Ω 5% 0,5W
3714	4822 051 10828	8Ω2 5% 0,25W
3720	4822 116 81203	10Ω 5% 0,3W
3722	4822 116 52263	2k7 5% 0,5W
3724	4822 051 10223	22k 2% 0,25W
3726	4822 051 10102	1k 2% 0,25W
3728	4822 051 10101	100Ω 2% 0,25W
3730	4822 051 20183	18k 5% 0,1W
3732	4822 116 52203	91Ω 5% 0,5W
3733	4822 116 52203	91Ω 5% 0,5W
3734	4822 051 10828	8Ω2 5% 0,25W
3997	4822 051 10008	0Ω 5% 0,25W

Jumpers

4066	4822 051 10008	0Ω 5% 0,25W
4105	4822 051 10008	0Ω 5% 0,25W
4106	4822 051 10008	0Ω 5% 0,25W
4107	4822 051 10008	0Ω 5% 0,25W
4108	4822 051 10008	0Ω 5% 0,25W
4109	4822 051 10008	0Ω 5% 0,25W
4110	4822 051 10008	0Ω 5% 0,25W
4111	4822 051 10008	0Ω 5% 0,25W
4112	4822 051 10008	0Ω 5% 0,25W
4114	4822 051 10008	0Ω 5% 0,25W
4115	4822 051 10008	0Ω 5% 0,25W
4118	4822 051 10008	0Ω 5% 0,25W
4120	4822 051 10008	0Ω 5% 0,25W
4127	4822 051 10008	0Ω 5% 0,25W
4130	4822 051 10008	0Ω 5% 0,25W
4148	4822 051 10008	0Ω 5% 0,25W
4161	4822 051 10008	0Ω 5% 0,25W
4164	4822 051 10008	0Ω 5% 0,25W
4166	4822 051 10008	0Ω 5% 0,25W
4170	4822 051 10008	0Ω 5% 0,25W
4171	4822 051 10008	0Ω 5% 0,25W
4184	4822 051 10008	0Ω 5% 0,25W
4200	4822 051 10008	0Ω 5% 0,25W
4201	4822 051 10008	0Ω 5% 0,25W
4203	4822 051 10008	0Ω 5% 0,25W
4205	4822 051 10008	0Ω 5% 0,25W
4210	4822 051 10008	0Ω 5% 0,25W
4220	4822 051 10008	0Ω 5% 0,25W
4234	4822 051 10008	0Ω 5% 0,25W
4235	4822 051 10008	0Ω 5% 0,25W
4236	4822 051 10008	0Ω 5% 0,25W
4241	4822 051 10008	0Ω 5% 0,25W
4246	4822 051 10008	0Ω 5% 0,25W
4255	4822 051 10008	0Ω 5% 0,25W
4280	4822 051 10008	0Ω 5% 0,25W
4300	4822 051 10008	0Ω 5% 0,25W
4302	4822 051 10008	0Ω 5% 0,25W
4319	4822 051 10008	0Ω 5% 0,25W
4321	4822 051 10008	0Ω 5% 0,25W
4330	4822 051 10008	0Ω 5% 0,25W
4331	4822 051 10008	0Ω 5% 0,25W
4362	4822 051 10008	0Ω 5% 0,25W
4377	4822 051 10008	0Ω 5% 0,25W
4386	4822 051 10008	0Ω 5% 0,25W
4420	4822 051 10008	0Ω 5% 0,25W
4440	4822 051 10008	0Ω 5% 0,25W
4443	4822 051 10008	0Ω 5% 0,25W
4452	4822 051 10008	0Ω 5% 0,25W
4453	4822 051 10008	0Ω 5% 0,25W
4454	4822 051 10008	0Ω 5% 0,25W
4460	4822 051 10008	0Ω 5% 0,25W
4476	4822 051 10008	0Ω 5% 0,25W
4496	4822 051 10008	0Ω 5% 0,25W
4498	4822 051 10008	0Ω 5% 0,25W
4610	4822 051 10008	0Ω 5% 0,25W
4672	4822 051 10008	0Ω 5% 0,25W
4673	4822 051 10008	0Ω 5% 0,25W
9091	4822 051 10008	0R00 5% 0,25W

5100	4822 157 53906	47µH 10%
5115	4822 152 20677	10µH 10%
5270	4822 157 52983	22µH 10%
5303	4822 157 53302	1µH 20%
5304	4822 157 53302	1µH 20%
5305	4822 157 62823	26µH 6%
5345	4822 157 62822	4,5µH 6%
5346	4822 157 62823	26µH 6%
5370	4822 157 62824	7,5µH 6%
5454	4822 157 63065	0,68µH 20%
455	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
6135	4822 051 10471	470Ω 2% 0,25W
6163	4822 130 81226	LLZ-F33
6165	4822 130 80446	LL4148
6166	4822 130 80446	LL4148
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	LL4148
6206	4822 130 80446	LL4148
6207	4822 130 80446	LL4148
6256	4822 130 80446	LL4148
6257	4822 130 80446	LL4148
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
7130	5322 130 42136	BC848C
7137	4822 209 52316	ST24C04B1
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
7314	5322 130 42136	BC848C
7324	4822 209 63901	TDA4568/V2
7338	5322 130 41982	BC848B
7350	5322 130 41982	BC848B

Small

7360	4
7365	4
7366	4
7390	4
7395	4
7430	4
7450	5
7451	5
7471	5
7480	5
7600	4
7620	4
7622	4
7630	4
7630	4
7635	4
7635	4
7660	5
7661	5
7662	5
7680	4
7704	4
7706	5
7708	5
7730	5
7732	5

Spare parts list / Stückliste / Liste

Proscan-box

50V	3055	4822 051 10201	200Ω 2% 0,25W
50V	3056	4822 051 10472	4k7 2% 0,25W
50V	3057	4822 051 10472	4k7 2% 0,25W
50V	3058	4822 051 10472	4k7 2% 0,25W
	3060	4822 051 10123	12k 2% 0,25W
V	3061	4822 051 10622	6k2 2% 0,25W
V	3062	4822 051 10103	10k 2% 0,25W
	3063	4822 051 10471	470Ω 2% 0,25W
16V	3064	4822 051 10104	100k 2% 0,25W
	3065	4822 051 10824	820k 2% 0,25W
3V			
V	3066	4822 051 10242	2k4 2% 0,25W
63V	3067	4822 051 10109	10Ω 2% 0,25W
63V	3068	4822 051 10103	10k 2% 0,25W
63V	3071	4822 051 10008	0Ω 5% 0,25W
	3074	4822 051 10242	2k4 2% 0,25W
V			
3V	3075	4822 051 10103	10k 2% 0,25W
16V	3076	4822 051 10221	220Ω 2% 0,25W
16V	3078	4822 051 10824	820k 2% 0,25W
6,3V	3079	4822 051 10471	470Ω 2% 0,25W
	3082	4822 051 20222	2k2 5% 0,1W
V			
50V	3083	4822 051 20222	2k2 5% 0,1W
	3084	4822 051 10473	47k 2% 0,25W
	3085	4822 116 81193	15Ω 5% 0,33W
	3086	4822 051 10473	47k 2% 0,25W
5W	3087	4822 051 10181	180Ω 2% 0,25W
3W			
5W	3089	4822 116 81192	12Ω 5% 0,3W
5W	3090	4822 051 10102	1k 2% 0,25W
5W	3091	4822 051 51201	120Ω 1% 0,125W
	3092	4822 051 10224	220k 2% 0,25W
3W	3093	4822 051 10104	100k 2% 0,25W
5W			
W	3094	4822 051 10124	120k 2% 0,25W
5W	3095	4822 051 10223	22k 2% 0,25W
25W	3096	4822 051 10479	47Ω 2% 0,25W
	3097	4822 051 10223	22k 2% 0,25W
5W	3098	4822 051 10151	150Ω 2% 0,25W
25W			
25W	3099	4822 051 10272	2k7 2% 0,25W
5W	3100	4822 051 10221	220Ω 2% 0,25W
25W	3101	4822 051 10122	1k2 2% 0,25W
	3102	4822 051 20222	2k2 5% 0,1W
3W	3103	4822 051 10102	1k 2% 0,25W
25W			
25W	3104	4822 051 10331	330Ω 2% 0,25W
W	3105	4822 051 10472	4k7 2% 0,25W
5W	3106	4822 051 10152	1k5 2% 0,25W
	3107	4822 051 10221	220Ω 2% 0,25W
W	3108	4822 051 10472	4k7 2% 0,25W
25W			
W	3109	4822 051 10109	10Ω 2% 0,25W
25W	3110	4822 051 10681	680Ω 2% 0,25W
5W	3111	4822 051 10102	1k 2% 0,25W
	3112	4822 051 10181	180Ω 2% 0,25W
25W	3113	4822 051 10152	1k5 2% 0,25W
25W			
25W	3114	4822 051 10919	91Ω 2% 0,25W
25W	3115	4822 051 10101	100Ω 2% 0,25W
5W	3116	4822 051 10472	4k7 2% 0,25W
	3117	4822 051 10102	1k 2% 0,25W
W	3118	4822 051 10271	270Ω 2% 0,25W
25W			
3W	3119	4822 051 10332	3k3 2% 0,25W
5W	3120	4822 051 10271	270Ω 2% 0,25W
5W	3121	4822 051 10272	2k7 2% 0,25W
	3123	4822 051 10221	220Ω 2% 0,25W
25W	3125	4822 051 10759	75Ω 2% 0,25W
25W			
W	3127	4822 051 10431	430Ω 2% 0,25W
5W	3128	4822 051 10271	270Ω 2% 0,25W
3W	3160	4822 051 10562	5k6 2% 0,25W
	3161	4822 051 20222	2k2 5% 0,1W
5W	3162	4822 051 10102	1k 2% 0,25W
5W			
5W	3163	4822 051 20222	2k2 5% 0,1W
5W	3166	4822 051 10569	56Ω 2% 0,25W
5W	3167	4822 051 10561	560Ω 2% 0,25W
	3168	4822 051 10471	470Ω 2% 0,25W
5W	3169	4822 051 10103	10k 2% 0,25W
5W			
5W	3176	4822 051 10221	220Ω 2% 0,25W
25W	3300	4822 051 10229	22Ω 2% 0,25W
N	3180	4822 051 10109	10Ω 2% 0,25W
	3181	4822 051 10101	100Ω 2% 0,25W
	3182	4822 051 10102	1k 2% 0,25W
	3183	4822 051 10471	470Ω 2% 0,25W
	3184	4822 051 10101	100Ω 2% 0,25W
	3201	4822 051 10102	1k 2% 0,25W
	3202	4822 051 10102	1k 2% 0,25W

Jumpers

4010	4822 051 10008	0Ω 5% 0,25W

5000	4822 157 50961	22µH 10%
5001	4822 157 60147	2,2µH
5002	4822 157 60147	2,2µH
5003	4822 157 60147	2,2µH
5004	4822 157 60147	2,2µH
5005	4822 157 60147	2,2µH
5006	4822 157 60147	2,2µH
5007	4822 157 60147	2,2µH
5008	4822 157 52403	3,3µH 10%
5009	4822 157 60147	2,2µH
5010	4822 157 52403	3,3µH 10%
5011	4822 157 60147	2,2µH
5012	4822 157 52403	3,3µH 10%
5013	4822 157 60147	2,2µH
5014	4822 157 52224	15µH 10%
5015	4822 157 60147	2,2µH
5016	4822 157 52138	27µH 10%
5017	4822 157 60147	2,2µH
5018	4822 157 60147	2,2µH
5019	4822 157 52403	3,3µH 10%
5020	4822 157 60147	2,2µH
5021	4822 157 60147	2,2µH
5022	4822 157 60498	56µH 10%
5023	4822 156 11145	1,0µH 6%
5025	4822 156 11143	4,3µH 6%
5026	4822 157 60147	2,2µH
5027	4822 156 11144	3,3µH 6%
5028	4822 157 60147	2,2µH
5030	4822 157 63834	3,9µH 10%
5031	4822 157 63834	3,9µH 10%
5032	4822 157 63834	3,9µH 10%
5033	4822 157 60147	2,2µH
5034	4822 157 60147	2,2µH

6000	4822 130 80446	LL4148
6001	4822 130 80884	LLZ-C5V1
6002	4822 130 80446	LL4148
6003	4822 130 82334	BAS85
6004	4822 130 80446	LL4148
6005	4822 130 80446	LL4148
6006	4822 130 31253	BZX55-C2V4
6007	4822 130 80888	BA682
6008	4822 130 80888	BA682
6009	5322 130 80119	BBY40
6010	5322 130 80119	BBY40

7000	5322 130 42136	BC848C
7010	5322 130 42136	BC848C
7011	5322 130 41983	BC858B
7012	5322 130 41982	BC848B
7013	4822 130 60511	BC847B
7014	5322 130 41983	BC858B
7022	5322 130 41982	BC848B
7023	4822 130 42513	BC858C
7024	5322 130 42012	BC858
7025	5322 130 42012	BC858
7026	5322 130 41982	BC848B
7027	4822 130 61207	BC848
7029	5322 130 41982	BC848B
7030	4822 130 40938	BC548
7034	4822 130 42131	BF550
7035	4822 130 42513	BC858C
7036	5322 130 42136	BC848C
7037	4822 130 61207	BC848
7038	5322 130 42136	BC848C
7039	5322 130 42136	BC848C
7040	4822 130 42131	BF550
7042	5322 130 42136	BC848C
7060	5322 130 42136	BC848C
7201	4822 209 60525	TMS4C1050-3N
7202	4822 209 60525	TMS4C1050-3N
7203	4822 209 60525	TMS4C1050-3N
7204	4822 209 60525	TMS4C1050-3N
7205	4822 209 60525	TMS4C1050-3N
7206	4822 209 60525	TMS4C1050-3N
7207	4822 209 31056	SDA9205-2
7208	4822 209 31057	UPD65640G-011-3B9
7209	4822 209 31059	SAA7158WP/V2
7210	4822 209 72042	MC78L05ACP
7214	4822 209 63645S	AA5231/V7
7215	4822 209 63902S	AA9042P/A/MOA
7216	4822 209 63423	TDA2579B/N2
7217	4822 209 63644	SDA9086-3
7218	5322 209 61004	N74F74D
7219	4822 209 63892	UPD91237C/CE028A
7220	4822 209 31061	S87C652-5N40
7221	4822 209 83163	LM833N
7231	4822 209 72042	MC78L05ACP
7233	4822 209 63893	LH2464-10
7244	5322 209 61004	N74F74D
7261	4822 209 72042	MC78L05ACP

Spare parts list / Stückliste / Liste

Proscan-box

Connectors

1750	4822 212 30009	LFR box
	4822 265 61259	IC socket 68P
	4822 267 70257	IC socket 48P
	4822 255 40901	IC socket 40P
	4822 265 40472	10P female gold plated

Various

1001	4822 242 72572	crystal 12MHz
1002	4822 242 71417	crystal 13,875MHz

⊣⊢

2000	4822 122 33496	100nF 10% 63V
2001	4822 122 33496	100nF 10% 63V
2002	4822 122 33496	100nF 10% 63V
2003	4822 122 33496	100nF 10% 63V
2004	4822 122 33496	100nF 10% 63V
2005	4822 122 33496	100nF 10% 63V
2006	4822 124 40731	330µF 20% 6,3V
2007	4822 122 33496	100nF 10% 63V
2010	4822 122 33496	100nF 10% 63V
2011	4822 122 33496	100nF 10% 63V
2012	4822 122 33496	100nF 10% 63V
2013	4822 122 33496	100nF 10% 63V
2014	4822 122 33496	100nF 10% 63V
2015	4822 122 33496	100nF 10% 63V
2016	4822 122 33496	100nF 10% 63V
2017	4822 122 33496	100nF 10% 63V
2018	4822 122 33496	100nF 10% 63V
2021	4822 122 33496	100nF 10% 63V
2022	4822 122 33496	100nF 10% 63V
2023	4822 122 33496	100nF 10% 63V
2026	4822 122 32083	8,2pF 5% 50V
2027	4822 122 31961	68pF 5% 63V
2028	4822 122 31772	47pF 5% 50V
2029	4822 122 33496	100nF 10% 63V
2030	4822 122 32083	8,2pF 5% 50V
2031	4822 122 31767	150pF 5% 50V
2032	4822 122 31772	47pF 5% 50V
2033	4822 122 32083	8,2pF 5% 50V
2034	4822 122 33496	100nF 10% 63V
2035	4822 122 31767	150pF 5% 50V
2036	4822 122 31772	47pF 5% 50V
2037	4822 122 31765	100pF 5% 50V
2038	4822 122 31765	100pF 5% 50V
2039	4822 124 41643	100µF 20% 16V
2040	4822 122 33496	100nF 10% 63V
2041	4822 122 31825	27pF 10% 50V
2043	4822 122 32442	10nF 50V
2044	4822 122 32442	10nF 50V
2045	4822 124 41576	2,2µF 20% 50V
2046	4822 124 40435	10µF 20% 50V
2047	4822 122 32504	15pF 5% 50V
2048	4822 124 41576	2,2µF 20% 50V
2049	4822 122 33496	100nF 10% 63V
2050	4822 124 41997	470µF 20% 10V
2051	4822 122 32504	15pF 5% 50V
2052	4822 122 32142	270pF 5% 63V
2053	4822 122 32891	68nF 10% 63V
2054	4822 122 32504	15pF 5% 50V
2055	5322 122 31647	1nF 10% 63V
2056	4822 122 31727	470pF 5% 63V
2057	4822 122 31797	22nF 10% 63V
2058	4822 122 32142	270pF 5% 63V
2059	4822 122 31765	100pF 5% 50V
2060	4822 122 31772	47pF 5% 50V
2061	4822 122 31772	47pF 5% 50V
2062	4822 122 31772	47pF 5% 50V
2063	4822 122 31772	47pF 5% 50V
2064	4822 124 41643	100µF 20% 16V
2065	4822 122 33496	100nF 10% 63V
2066	4822 122 33496	100nF 10% 63V
2067	4822 122 33496	100nF 10% 63V
2068	4822 122 33496	100nF 10% 63V
2069	4822 122 33496	100nF 10% 63V
2070	4822 122 33496	100nF 10% 63V
2071	4822 124 41643	100µF 20% 16V
2072	5322 122 31647	1nF 10% 63V
2073	4822 122 31839	82pF 10% 50V
2074	4822 122 31981	33nF 5% 50V
2075	4822 122 33496	100nF 10% 63V
2076	5322 122 31842	330pF 5% 63V
2077	4822 124 41576	2,2µF 20% 50V
2078	4822 122 33496	100nF 10% 63V
2079	4822 121 42937	2,7nF 5% 250V
2080	5322 124 41431	22µF 20% 35V
2081	4822 124 41577	4,7µF 20% 50V
2082	4822 122 31772	47pF 5% 50V
2083	4822 122 33496	100nF 10% 63V
2084	4822 122 33496	100nF 10% 63V
2085	4822 122 31765	100pF 5% 50V
2086	4822 122 31825	27pF 10% 50V
2087	4822 122 31825	27pF 10% 50V
2088	4822 122 31797	22nF 10% 63V
2090	4822 122 31772	47pF 5% 50V
2091	4822 122 31746	1nF 2% 63V
2092	4822 124 41576	2,2µF 20% 50V
2093	4822 124 41997	470µF 20% 10V
2094	4822 122 33496	100nF 10% 63V
2095	4822 122 33496	100nF 10% 63V
2096	4822 122 31644	2,2nF 10% 63V
2097	4822 122 31746	1nF 2% 63V
2098	4822 124 40435	10µF 20% 50V
2099	4822 122 33496	100nF 10% 63V
2100	4822 122 33496	100nF 10% 63V
2102	4822 122 31644	2,2nF 10% 63V
2103	4822 124 40196	220µF 20% 16V
2105	4822 122 33496	100nF 10% 63V
2106	4822 124 41643	100µF 20% 16V
2107	4822 122 33496	100nF 10% 63V
2108	4822 122 31765	100pF 5% 50V
2109	4822 122 32506	5,6pF 5% 50V
2110	4822 122 31765	100pF 5% 50V
2111	5322 122 31842	330pF 5% 63V
2112	4822 122 31981	33nF 5% 50V
2113	4822 122 31644	2,2nF 10% 63V
2114	4822 126 11492	220nF 10% 63V
2115	4822 126 11492	220nF 10% 63V
2116	4822 122 31768	180pF 5% 50V
2117	4822 122 32442	10nF 50V
2118	4822 122 33496	100nF 10% 63V
2119	4822 122 33496	100nF 10% 63V
2120	4822 122 31965	220pF 5% 63V
2121	4822 122 31965	220pF 5% 63V
2122	5322 122 31842	330pF 5% 63V
2123	4822 122 33496	100nF 10% 63V
2124	4822 122 31767	150pF 5% 50V
2125	4822 122 33498	2,7nF 10% 63V
2126	4822 122 33496	100nF 10% 63V
2127	4822 122 33496	100nF 10% 63V
2128	4822 122 31767	150pF 5% 50V
2129	4822 122 33496	100nF 10% 63V
2130	4822 122 31771	390pF 5% 50V
2131	4822 122 31825	27pF 10% 50V
2132	5322 122 31842	330pF 5% 63V
2133	4822 122 31825	27pF 10% 50V
2134	4822 122 31771	390pF 5% 50V
2136	4822 122 31825	27pF 10% 50V
2150	4822 124 41506	47µF 20% 16V
2151	4822 122 31772	47pF 5% 50V
2152	4822 122 33496	100nF 10% 63V
2153	4822 122 31772	47pF 5% 50V
2160	4822 122 33498	2,7nF 10% 63V
2161	4822 122 31825	27pF 10% 50V
2162	4822 122 31971	10pF 10% 50V
2163	4822 126 11492	220nF 10% 50V
2164	4822 122 31971	10pF 10% 50V
2165	4822 126 10324	33pF 63V
2166	4822 122 31772	47pF 5% 50V
2167	4822 122 31772	47pF 5% 50V
2168	4822 126 10324	33pF 63V
2169	4822 124 40849	330µF 20% 16V
2170	4822 122 32139	12pF 5% 63V
2172	4822 122 31772	47pF 5% 50V
2175	4822 122 33496	100nF 10% 63V
2179	4822 122 33496	100nF 10% 63V
2180	4822 122 31797	22nF 10% 63V
2181	4822 122 31772	47pF 5% 50V
2184	4822 122 32139	12pF 5% 63V
2185	4822 124 41506	47µF 20% 16V
2186	4822 124 41506	47µF 20% 16V
2187	4822 124 40731	330µF 20% 6,3V
2188	4822 122 31772	47pF 5% 50V
2190	4822 126 11492	220nF 10% 50V

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3000	4822 051 10162	1k6 2% 0,25W
3001	4822 111 41424	22Ω 5% 0,33W
3002	4822 051 10242	2k4 2% 0,25W
3003	4822 051 10682	6k8 2% 0,25W
3004	4822 051 10472	4k7 2% 0,25W
3006	4822 050 24708	4Ω7 5% 0,33W
3007	4822 051 10209	20Ω 2% 0,25W
3008	4822 051 10008	0Ω 5% 0,25W
3009	4822 051 10829	82Ω 2% 0,25W
3011	4822 051 10101	100Ω 2% 0,25W
3012	4822 051 10339	33Ω 2% 0,25W
3013	4822 051 10221	220Ω 2% 0,25W
3014	4822 051 10101	100Ω 2% 0,25W
3016	4822 051 10759	75Ω 2% 0,25W
3017	4822 051 10361	360Ω 2% 0,25W
3019	4822 111 41423	18Ω 5% 0,33W
3021	4822 051 10101	100Ω 2% 0,25W
3022	4822 051 10101	100Ω 2% 0,25W
3023	4822 051 10008	0Ω 5% 0,25W
3024	4822 051 10473	47k 2% 0,25W
3025	4822 051 10102	1k 2% 0,25W
3026	4822 051 10181	180Ω 2% 0,25W
3027	4822 051 10102	1k 2% 0,25W
3028	4822 051 10221	220Ω 2% 0,25W
3029	4822 051 10683	68k 2% 0,25W
3030	4822 051 10681	680Ω 2% 0,25W
3031	4822 051 10471	470Ω 2% 0,25W
3032	4822 051 10471	470Ω 2% 0,25W
3033	4822 051 10471	470Ω 2% 0,25W
3034	4822 051 10759	75Ω 2% 0,25W
3035	4822 051 20222	2k2 5% 0,1W
3036	4822 051 10221	220Ω 2% 0,25W
3037	4822 111 41424	22Ω 5% 0,33W
3038	4822 051 10103	10k 2% 0,25W
3039	4822 051 10683	68k 2% 0,25W
3040	4822 051 10104	100k 2% 0,25W
3041	4822 051 10561	560Ω 2% 0,25W
3042	4822 051 10102	1k 2% 0,25W
3043	4822 051 10103	10k 2% 0,25W
3044	4822 052 10279	27Ω 5% 0,33W
3045	4822 051 10162	1k6 2% 0,25W
3046	4822 051 10272	2k7 2% 0,25W
3047	4822 051 10332	3k3 2% 0,25W
3048	4822 051 10562	5k6 2% 0,25W
3049	4822 051 10229	22Ω 2% 0,25W
3050	4822 051 10122	1k2 2% 0,25W
3051	4822 051 10333	33k 2% 0,25W
3052	4822 051 10513	51k 2% 0,25W
3053	4822 051 10821	820Ω 2% 0,25W
3054	4822 100 20166	10k 30% LIN

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3055 3056 3057 3058 3060 3061 3062 3063 3064 3065 3066 3067 3068 3071 3074 3075 3076 3078 3079 3082 3083 3084 3085 3086 3087 3089 3090 3091 3092 3093 3094 3095 3096 3097 3098 3099 3100 3101 3102 3103 3104 3105 3106 3107 3108 3109 3110 3111 3112 3113 3114 3115 3116 3117 3118 3119 3120 3121 3123 3125 3127 3128 3160 3161 3162 3163 3166 3167 3168 3169 3176 3300 3180

PIP panel

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 10101	100Ω 2% 0,25W
3997	4822 051 10829	82Ω 2% 0,25W

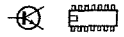
Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4008	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
4300	4822 051 10008	0Ω 5% 0,25W
4403	4822 051 10008	0Ω 5% 0,25W
4404	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
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
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
7335	5322 130 41982	BC848B
7337	5322 130 41982	BC848B
7338	5322 130 41982	BC848B
7350	4822 130 42616	BC818-40
7380	4822 209 60479	TEA5114A
7400	5322 130 41983	BC858B
7402	5322 130 41983	BC858B
7404	5322 130 41983	BC858B
7406	4822 209 62473	SDA9087
7408	4822 209 63291	SDA9088/2R
7410	4822 209 63644	SDA9086-3
7466	4822 209 73852	PMBT2369
7610	4822 209 30393	TDA8349A/N3
7630	4822 209 30395	SAA1300AQ/N6
7755	4822 209 72363	TDA2579A/N8

Spare parts list / Stückliste / Liste

PIP panel

Connectors

	4822 212	PIP panel
	4822 212	PIP panel
	4822 265 40503	5P female gold plated
	4822 265 40472	10P female gold plated
	4822 265 20509	2P male grey
	4822 265 20511	2P male blue
	4822 265 30828	5P male

Various parts

1155	4822 320 40284	delay line DL711G
1201	4822 242 70304	cryst. 8,867 238 MHz
1212	4822 242 70736	cryst. 7,159 090 MHz
1600	4822 210 10392	UV916E
1610	4822 242 80275	OFWG3962

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2103	4822 126 10324	33pF 63V
2105	4822 122 31766	120pF 5% 50V
2118	4822 122 31775	680pF 5% 50V
2119	4822 122 31767	150pF 5% 50V
2120	4822 122 31807	1200pF 5% 50V
2125	4822 122 32863	22nF 80% 50V
2155	4822 122 32862	10nF 80% 50V
2158	4822 122 32862	10nF 80% 50V
2160	4822 121 42408	220nF 5% 63V
2161	4822 121 41854	150nF 5% 63V
2162	4822 122 31947	100nF 20% 63V
2171	4822 122 31961	68pF 5% 63V
2172	4822 126 11175	22pF 5% 50V
2176	4822 126 11175	22pF 5% 50V
2177	4822 122 31961	68pF 5% 63V
2180	4822 122 31768	180pF 5% 50V
2181	4822 122 31768	180pF 5% 50V
2185	4822 122 32863	22nF 80% 50V
2187	4822 122 32863	22nF 80% 50V
2189	4822 122 31746	1nF 2% 63V
2196	4822 122 33105	56nF 10% 63V
2197	4822 122 31385	22pF 50V
2201	4822 122 31746	1nF 2% 63V
2202	4822 125 50045	20pF trim.
2211	4822 122 31746	1nF 2% 63V
2212	4822 125 50045	20pF trim.
2220	5322 121 42661	330nF 5% 63V
2222	4822 122 32542	47nF 10% 63V
2227	5322 122 31842	330pF 5% 63V
2230	4822 124 41578	6,8µF 20% 50V
2232	5322 124 41431	22µF 20% 35V
2234	4822 122 33496	100nF 10% 63V
2235	4822 124 41578	6,8µF 20% 50V
2238	4822 121 42937	2,7nF 1% 250V
2239	4822 122 31947	100nF 20% 63V
2250	4822 121 41738	270nF 5% 63V
2251	5322 122 31647	1nF 10% 63V
2255	4822 122 31766	120pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2270	4822 122 31947	100nF 20% 63V
2340	4822 124 41506	47µF 20% 16V
2345	4822 124 41506	47µF 20% 16V
2350	4822 124 40849	330µF 20% 16V
2351	4822 124 41643	100µF 20% 16V
2380	4822 122 32927	220nF
2381	4822 122 32927	220nF
2382	4822 122 32927	220nF
2383	4822 122 32927	220nF
2384	4822 122 32927	220nF
2385	4822 122 32927	220nF
2390	4822 122 31947	100nF 20% 63V
2399	4822 122 31746	1nF 2% 63V
2404	4822 122 31965	220pF 5% 63V
2405	4822 122 32862	10nF 80% 50V
2409	4822 122 31965	220pF 5% 63V
2410	4822 122 32862	10nF 80% 50V
2413	4822 122 31769	18pF 5% 50V
2414	4822 122 32862	10nF 80% 50V
2415	4822 122 32765	820pF 10% 63V
2430	4822 122 31947	100nF 20% 63V
2432	4822 122 31947	100nF 20% 63V
2434	4822 122 31947	100nF 20% 63V
2438	4822 121 41857	10nF 5% 250V
2439	4822 121 41856	22nF 5% 250V
2440	4822 122 31965	220pF 5% 63V
2441	4822 122 31727	470pF 5% 63V
2442	4822 124 40242	1µF 20% 63V
2446	4822 122 31947	100nF 20% 63V
2448	4822 122 31947	100nF 20% 63V
2450	4822 122 32856	8,2nF 10% 63V
2451	4822 122 31981	33nF 5% 50V
2455	4822 122 31972	39pF 5% 50V
2459	4822 124 41997	470µF 10V
2466	4822 122 31947	100nF 20% 63V
2470	4822 124 40196	220µF 20% 16V
2604	4822 124 40195	150µF 20% 16V
2614	4822 124 41506	47µF 20% 16V
2615	4822 124 41576	2,2µF 20% 50V
2616	4822 122 32927	220nF
2618	4822 122 32442	10nF 50V
2619	4822 124 40849	330µF 20% 16V
2620	4822 122 32442	10nF 50V
2621	4822 122 31797	22nF 10% 63V
2622	4822 122 31947	100nF 20% 63V
2623	4822 122 31797	22nF 10% 63V
2627	4822 122 32927	220nF

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3103	4822 051 10821	820Ω 2% 0,25W
3104	4822 051 10821	820Ω 2% 0,25W
3105	4822 051 10362	3k6 2% 0,25W
3106	4822 051 10103	10k 2% 0,25W
3107	4822 051 10103	10k 2% 0,25W
3108	4822 051 10103	10k 2% 0,25W
3155	4822 051 10391	390Ω 2% 0,25W
3156	4822 051 10122	1k2 2% 0,25W
3157	4822 100 11391	330Ω 30% LIN
3158	4822 051 10759	75Ω 2% 0,25W
3170	4822 051 10112	1k1 2% 0,25W
3175	4822 051 10621	620Ω 2% 0,25W
3196	4822 050 11002	1k 1% 0,4W
3200	4822 051 10103	10k 2% 0,25W
3201	4822 051 10103	10k 2% 0,25W
3202	4822 051 10103	10k 2% 0,25W
3211	4822 051 10103	10k 2% 0,25W
3212	4822 051 10103	10k 2% 0,25W
3214	4822 051 10102	1k 2% 0,25W
3220	4822 051 10512	5k1 2% 0,25W
3221	4822 116 52233	10k 5% 0,5W
3222	4822 051 10008	0Ω 5% 0,25W
3227	4822 116 52299	7k5 5% 0,5W
3228	4822 051 10472	4k7 2% 0,25W
3231	4822 051 10302	3k 2% 0,25W
3232	4822 051 10229	22Ω 2% 0,25W
3233	4822 051 10152	1k5 2% 0,25W
3233	4822 051 10112	1k1 2% 0,25W
3234	4822 051 10202	2k 2% 0,25W
3235	4822 051 10122	1k2 2% 0,25W
3236	4822 051 10511	510Ω 2% 0,25W
3237	4822 051 10153	15k 2% 0,25W
3238	4822 051 10333	33k 2% 0,25W
3239	4822 100 11319	4k7 30% LIN
3241	4822 051 10302	3k 2% 0,25W
3242	4822 050 11002	1k 1% 0,4W
3250	4822 051 10911	910Ω 2% 0,25W
3265	4822 051 10104	100k 2% 0,25W
3270	4822 051 10103	10k 2% 0,25W
3275	4822 051 10103	10k 2% 0,25W
3276	4822 051 10102	1k 2% 0,25W
3335	4822 051 10271	270Ω 2% 0,25W
3336	4822 051 10472	4k7 2% 0,25W
3337	4822 116 52207	1k2 5% 0,5W
3338	4822 051 10332	3k3 2% 0,25W
3340	4822 051 10202	2k 2% 0,25W
3341	4822 111 41424	22Ω 5% 0,3W
3345	4822 111 41424	22Ω 5% 0,3W
3353	4822 052 10568	5Ω6 5% 0,33W
3354	4822 051 10271	270Ω 2% 0,25W
3376	4822 051 10102	1k 2% 0,25W
3377	4822 051 10102	1k 2% 0,25W
3378	4822 051 10102	1k 2% 0,25W
3390	4822 051 10151	150Ω 2% 0,25W
3391	4822 051 10181	180Ω 2% 0,25W
3394	4822 051 10151	150Ω 2% 0,25W
3395	4822 051 10181	180Ω 2% 0,25W
3398	4822 051 10151	150Ω 2% 0,25W
3399	4822 051 10181	180Ω 2% 0,25W
3404	4822 051 10431	430Ω 2% 0,25W
3405	4822 051 10271	270Ω 2% 0,25W
3410	4822 051 10391	390Ω 2% 0,25W
3411	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10391	390Ω 2% 0,25W
3414	4822 051 10101	100Ω 2% 0,25W
3416	4822 051 10182	1k8 2% 0,25W
3434	4822 051 10473	47k 2% 0,25W
3436	4822 051 10473	47k 2% 0,25W
3437	4822 051 10101	100Ω 2% 0,25W
3438	4822 051 10513	51k 2% 0,25W
3440	4822 116 52222	390Ω 5% 0,5W
3441	4822 051 10519	51Ω 2% 0,25W
3442	4822 051 10919	91Ω 2% 0,25W
3444	4822 116 52175	100Ω 5% 0,5W
3446	4822 116 52175	100Ω 5% 0,5W
3448	4822 051 10392	3k9 2% 0,25W
3450	4822 051 10471	470Ω 2% 0,25W
3452	4822 051 10471	470Ω 2% 0,25W
3454	4822 051 10471	470Ω 2% 0,25W
3460	4822 116 52224	470Ω 5% 0,5W
3462	4822 051 10333	33k 2% 0,25W
3463	4822 116 52299	7k5 5% 0,5W
3464	4822 051 10472	4k7 2% 0,25W
3467	4822 116 52256	2k2 5% 0,5W
3471	4822 051 10103	10k 2% 0,25W
3472	4822 051 10224	220k 2% 0,25W
3473	4822 051 10102	1k 2% 0,25W
3473	4822 051 10008	0Ω 5% 0,25W
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

Spare parts list / Stückliste / Liste

Picture tube panel

Various parts

1030	4822 212 23711	PTP 25"-28"
1030	4822 212 23953	PIP 33"
	4822 265 20509	2P male grey
	4822 265 40596	2P male
	4822 267 40985	6P male
	4822 290 40295	7P male
	4822 492 70788	spring fix IC
	4822 255 70261	picture tube socket

2700	4822 122 33496	100nF 10% 63V
2701	4822 122 32507	6,8pF 5% 50V
2703	4822 122 33125	180pF 10% 63V
2704	4822 124 42182	3,3µF 20% 250V
2705	4822 124 40272	33µF 20% 16V
2706	4822 122 31797	22nF 10% 63V
2707	4822 121 51562	33nF 10% 1600V
2708	5322 122 31842	330pF 5% 63V
2709	4822 122 31825	27pF 10% 50V
2710	4822 122 31774	56pF 5% 50V
2711	4822 122 32507	6,8pF 5% 50V
2712	4822 126 11175	22pF 5% 50V
2713	4822 121 41156	68nF 10% 250V
2715	4822 121 41156	68nF 10% 250V
2716	4822 122 31797	22nF 10% 63V
2717	4822 121 41156	68nF 10% 250V
2720	4822 122 31774	56pF 5% 50V
2721	4822 122 32507	6,8pF 5% 50V
2726	4822 122 31797	22nF 10% 63V
2730	4822 122 31774	56pF 5% 50V
2731	5322 122 31647	1nF 10% 63V
2741	5322 122 31647	1nF 10% 63V
2751	5322 122 31647	1nF 10% 63V
2760	4822 122 31174	2,7nF 10% 500V

3537	4822 052 11128	1Ω2 5% 0,5W
3700	4822 051 10182	1k8 2% 0,25W
3701	4822 051 10101	100Ω 2% 0,25W
3702	4822 051 10102	1k 2% 0,25W
3704	4822 051 10272	2k7 2% 0,25W
3705	4822 051 10332	3k3 2% 0,25W
3706	4822 050 21504	150k 1% 0,6W
3708	4822 111 50518	1k5 5% 0,5W
3710	4822 051 10008	0Ω 5% 0,25W
3711	4822 051 10101	100Ω 2% 0,25W
3712	4822 051 10272	2k7 2% 0,25W
3714	4822 051 10272	2k7 2% 0,25W
3715	4822 051 10332	3k3 2% 0,25W
3716	4822 050 21504	150k 1% 0,6W
3718	4822 111 50518	1k5 5% 0,5W
3719	4822 051 10008	0Ω 5% 0,25W
3720	4822 051 10823	82k 2% 0,25W
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
3733	4822 052 10189	18Ω 5% 0,33W
3734	4822 051 10114	110k 2% 0,25W
3735	4822 051 10103	10k 2% 0,25W
3736	4822 051 10333	33k 2% 0,25W
3737	4822 051 10203	20k 2% 0,25W
3738	4822 116 52304	82k 5% 0,5W
3739	4822 116 52188	27Ω 5% 0,5W
3739	4822 116 52193	39Ω 5% 0,5W
3740	4822 051 10114	110k 2% 0,25W
3741	4822 051 10124	120k 2% 0,25W
3742	4822 051 10333	33k 2% 0,25W
3743	4822 051 10333	33k 2% 0,25W
3761	4822 051 10152	1k5 2% 0,25W
3761	4822 051 10332	3k3 2% 0,25W

Jumpers

4701	4822 051 10008	0Ω 5% 0,25W
4702	4822 051 10008	0Ω 5% 0,25W
4703	4822 051 10008	0Ω 5% 0,25W
4709	4822 051 10008	0Ω 5% 0,25W
4714	4822 051 10008	0Ω 5% 0,25W
4743	4822 051 10008	0Ω 5% 0,25W

5700	4822 157 60155	33µH 7,5%
5701	4822 157 60155	33µH 7,5%

6700	4822 130 80879	LLZ-C3V0
6701	4822 130 80877	BAV103
6702	4822 130 80877	BAV103
6703	4822 130 80877	BAV103
6704	4822 130 80877	BAV103
6705	4822 130 80877	BAV103
6706	4822 130 80877	BAV103
6707	4822 130 82345	LLZ-C22
6708	4822 130 30842	BAV21
6709	4822 130 30842	BAV21
6711	4822 130 30842	BAV21
6712	4822 130 80877	BAV103
6713	4822 130 80877	BAV103
6714	4822 130 32896	BYD33M
6715	4822 130 82969	BZD23-C24

7704	4822 130 60373	BC856B
7705	4822 209 63898	TDA6111Q/N1
7705	4822 209 30417	TDA6111Q/N2
7706	4822 209 63898	TDA6111Q/N1
7706	4822 209 30417	TDA6111Q/N2
7707	4822 209 63898	TDA6111Q/N1
7707	4822 209 30417	TDA6111Q/N2
7708	4822 130 41646	BF423
7709	4822 130 41646	BF423
7710	4822 130 41646	BF423

NICAM sound module

Various parts

1600	4822 212 23907	ECO-NICAM PAL BG
1600	4822 212 23908	ECO-NICAM PAL I
	4822 265 41087	9P male

Various parts

1001	4822 242 81128	cryst. 17.470 MHz
1002	4822 242 72301	filter TH316BOM-20800DAF
1002	4822 242 72303	filter TH316BQM
1003	4822 242 81126	cryst. 11.170 MHz
1003	4822 242 81127	cryst. 13.100 MHz
1106	4822 242 72303	filter TH316BQM

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 31767	150pF 5% 50V
2009	4822 122 32442	10nF 50V
2010	4822 122 31767	150pF 5% 50V
2011	4822 122 31766	120pF 5% 50V
2012	4822 121 41854	150nF 5% 63V
2013	4822 122 31746	1nF 2% 63V
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 5% 50V
2022	4822 122 31759	18nF
2023	4822 122 31981	33nF 5% 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	1nF 2% 63V
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
2051	5322 122 31647	1nF 10% 63V
2245	5322 122 31647	1nF 10% 63V
2246	5322 122 31647	1nF 10% 63V

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 10123	12k 2% 0,25W
3099	4822 051 10101	100Ω 2% 0,25W
3099	4822 051 51201	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

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%

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

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

Spare parts list / Stückliste / Liste

Y/C detector

Various parts

1021	4822 212 23929	Y/C detector panel
	4822 265 40503	5P female gold plated
	4822 265 30431	3P female gold plated

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 31767	150pF 5% 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 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
3991	4822 051 10399	39Ω 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