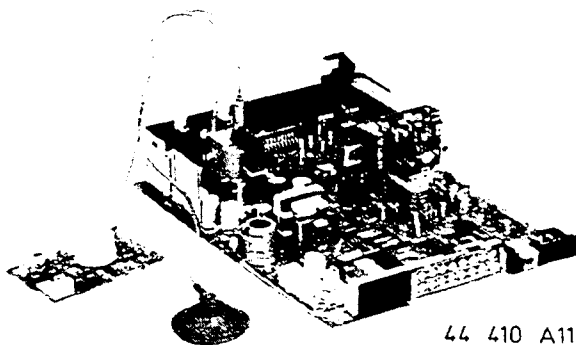


Service
Service
Service



44 410 A11

Service Manual

RTV servis Horvat
 Kešinci, 31402 Semeljci
 Tel : 031-856-637
 Tel / fax : 031-856-139
 Mob : 098-788-319
rtv-servis-horvat@os.tel.hr

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Se

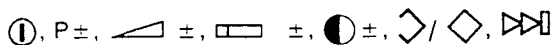
I by
actor

2

2 TECHNISCHE DATEN

Netzspannung	: 220–240V \pm 10%
	: 50 Hz \pm 5%
Antenneneingangsimpedanz	: 75 Ω – coax
Mindestantennenspannung VHF	: 30 μ V
Mindestantennenspannung UHF	: 40 μ V
Höchstantennenspannung	: 180 mV
Farbträgerfangbereich	: \pm 300 Hz
Horizontalfangbereich	: \pm 600 Hz
Vertikalfangbereich	: \pm 5 Hz
Bildröhren	: 11" A26JGZ31X03
	: 14" A34EAC01X70
	: 15" A36EAM01X16
	: 17" A41EAM01X16
	: 21" A51EAM31X16 oder
	: A51JAR30X01MZ

Ortsbedienungsfunktionen:



Zusätzliche Ortsbedienungsfunktionen für Geräte ohne Fernbedienung:



Anzeigen

- On Screen Display (OSD)
- LED (①, ②, RC5)

VCR Programme: 0–59

Abstimm- und Bedienungssystem: VST3

Anschlussmöglichkeiten:

Rückseite des Geräts:

- 1 – Ton \rightarrow R 0,5Vrms/ \leq 1k Ω
- 2 – Ton \rightarrow R 0,2 – 2Vrms/ \geq 10k Ω
- 3 – Ton \rightarrow L 0,5Vrms/ \leq 1k Ω
- 4 – Ton \downarrow
- 5 – Blau \downarrow
- 6 – Ton \rightarrow L 0,2 – 2Vrms/ \geq 10k Ω
- 7 – Blau \rightarrow 0,7V_{pp}/75 Ω
- 8 – RC5 Daten 500 – 800mV_{pp} + Status FBAS 0 – 2V (L) 10 – 12V (H)
- 9 – Grün \downarrow
- 11– Grün \rightarrow 0,7V_{pp}/75 Ω
- 13– Rot \downarrow
- 15– Rot \rightarrow 0,7V_{pp}/75 Ω
- 16– Status RGB 0 – 0,4V/75 Ω (L) 1 – 3V/75 Ω (H)
- 17– FBAS \rightarrow \downarrow
- 18– FBAS \rightarrow \downarrow
- 19– FBAS \rightarrow 1V_{pp}/75 Ω
- 20– FBAS \rightarrow 1V_{pp}/75 Ω
- 21– Erdabschirmung

① TON \triangle 0,2 – 2V

CINCH

Vorderseite des Geräts:
② FBAS \rightarrow 1 V_{pp} / 75 Ω

③ Ton \rightarrow 0,2 – 2 Vrms/ \geq 10k

CINCH

④ $\frac{d}{d}$ 8 – 1000 Ω

Service
Service
Service

**43KV2423/02B/03B/06B/08B/09B/10B
/16B/17B**

43KV2425/02B/03B/05B/08B/09B/13B



Service Manual 4822 727 16641 is herewith cancelled

Service Manual

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

CHASSIS G90AF

43KV2421 NRC
43KV2423 RC
43KV2425 RC/TX

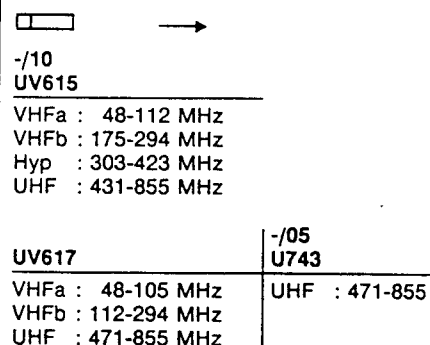
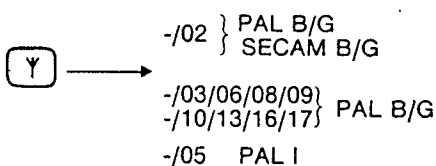
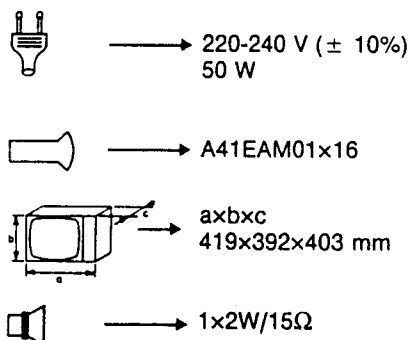
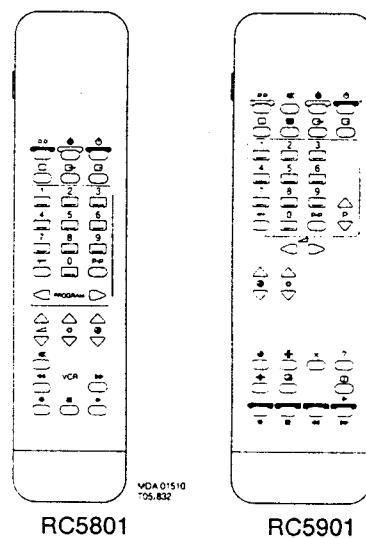
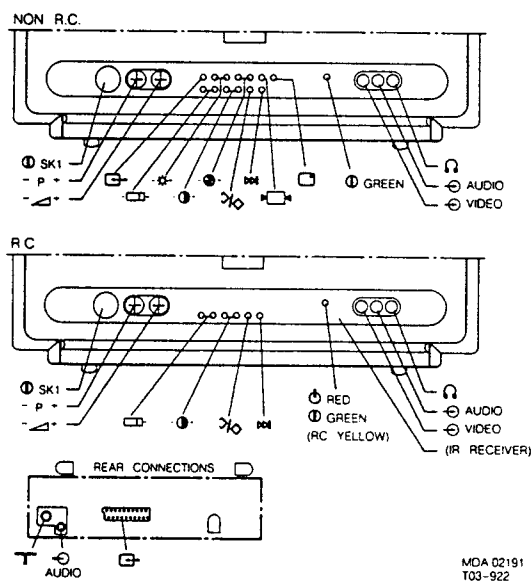
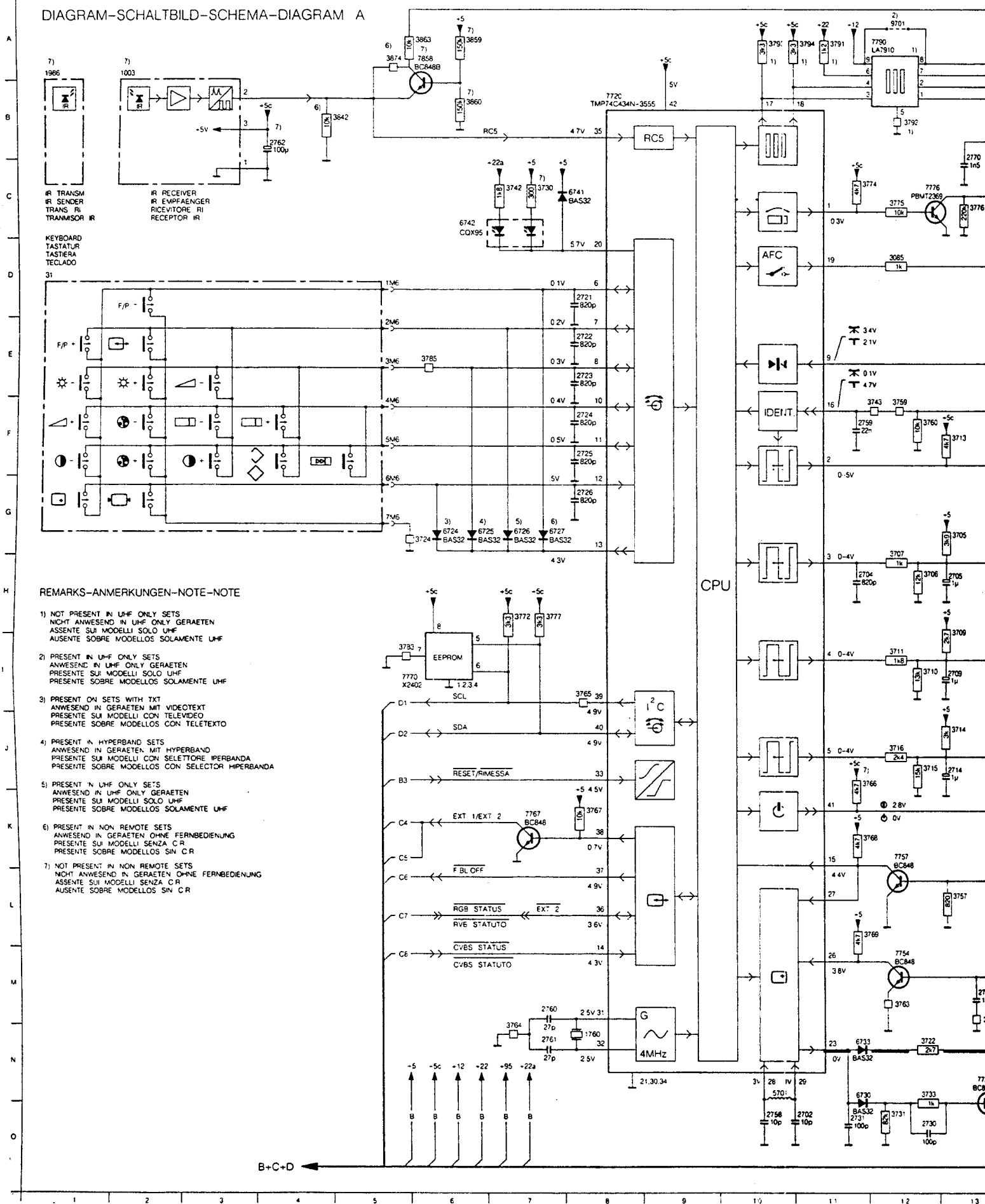
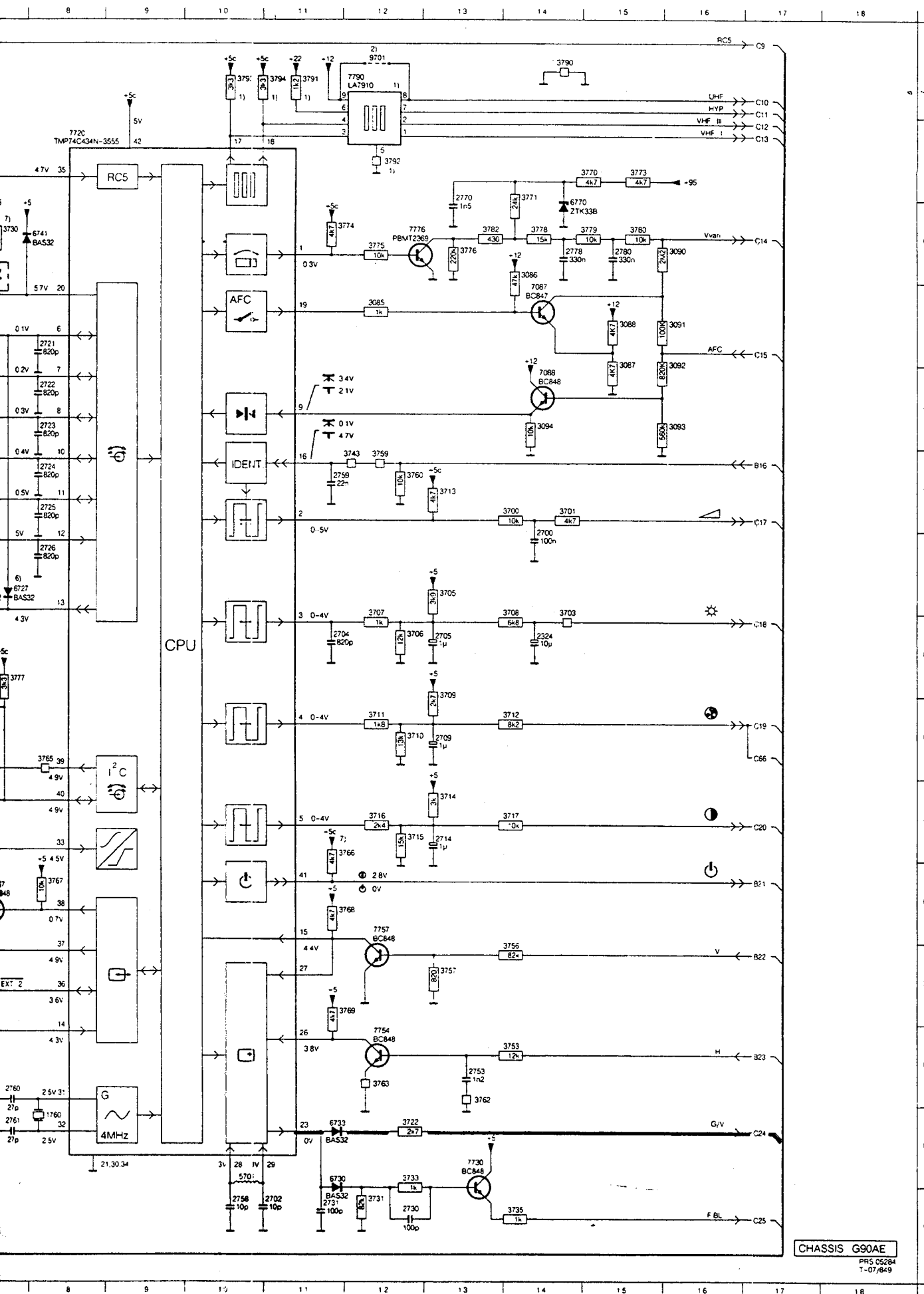


DIAGRAM-SCHALTBIKD-SCHEMA-DIAGRAM A





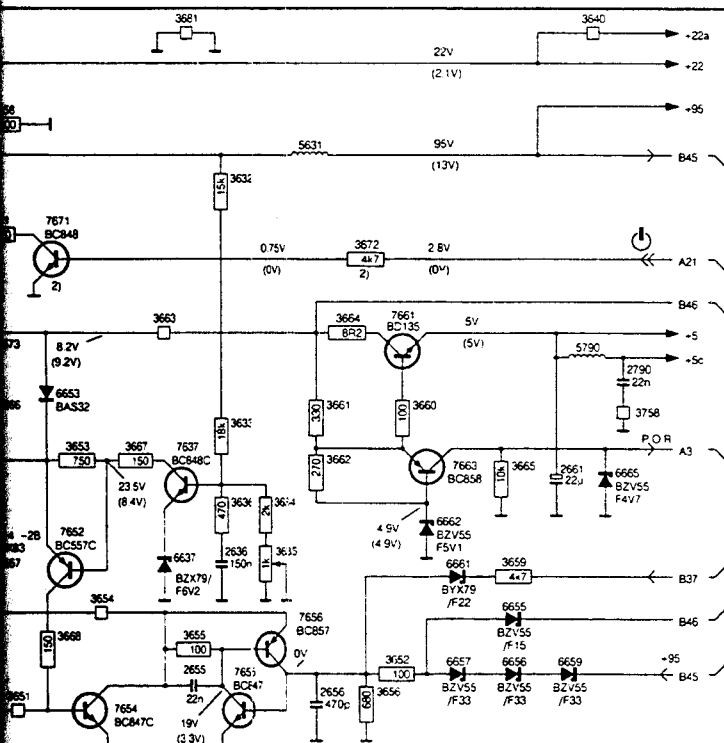
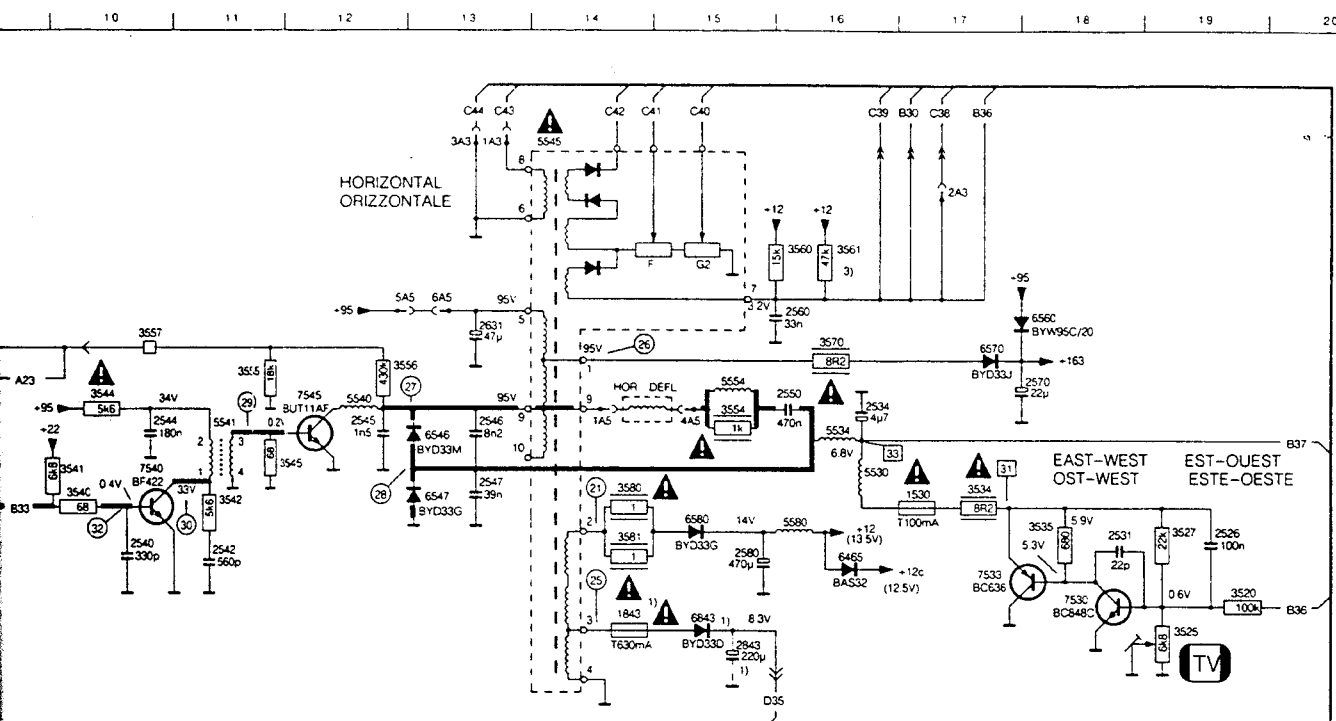
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2700	G14
2702	O11
2704	M12
2705	M13
2709	I13
2714	J13
2721	D 8
2722	E 8
2723	E 8
2724	F 8
2725	F 8
2726	G 8
2730	O12
2731	O11
2753	M13
2758	O10
2759	F12
2760	M 7
2761	N 7
2762	B 4
2770	B13
2778	C14
2780	C15
3085	D12
3086	D16
3087	D16
3088	D15
3090	C16
3091	D16
3092	D16
3093	E16
3094	E14
3700	F14
3701	F14
3703	J12
3705	G13
3706	M12
3707	G12
3708	G14
3709	H15
3710	J12
3711	J12
3712	J14
3713	F13
3714	J13
3715	J12
3716	J12
3717	J14
3722	N12
3724	G 6
3730	C 7
3731	O12
3733	N12
3735	O14
3742	C 7
3743	F12
3753	M14
3756	L14
3757	L13
3759	F12
3760	F12
3762	M13
3763	M12
3764	N 7
3765	I 8
3766	J12
3767	K 8
3768	K12
3769	L12
3770	B15
3771	B14
3772	H 7
3773	B15
3774	C12
3775	C12
3776	C13
3777	H 7
3778	C14
3779	C15
3780	C15
3782	C13
3783	I 5
3785	E 6
3790	A14
3791	A11
3792	B12
3793	A10
3794	A11
3842	B 5
3859	A 6
3860	B 6
3863	A 6
3874	A 5
5701	N10
6724	G 6
6725	G 7
6726	G 7
6727	G 7
6730	N11
6733	N11
6741	C 8
6742	C 6
6770	C14
7087	D14
7088	E14
7220	B 8
7730	N13
7754	M12
7757	K12
7767	K 7
7776	C12
7790	A12
7858	A 6
9701	A12

CHASSIS G90AE

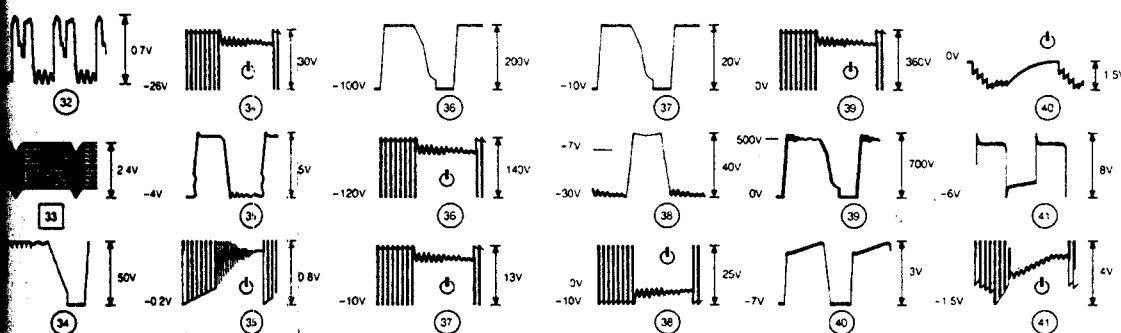
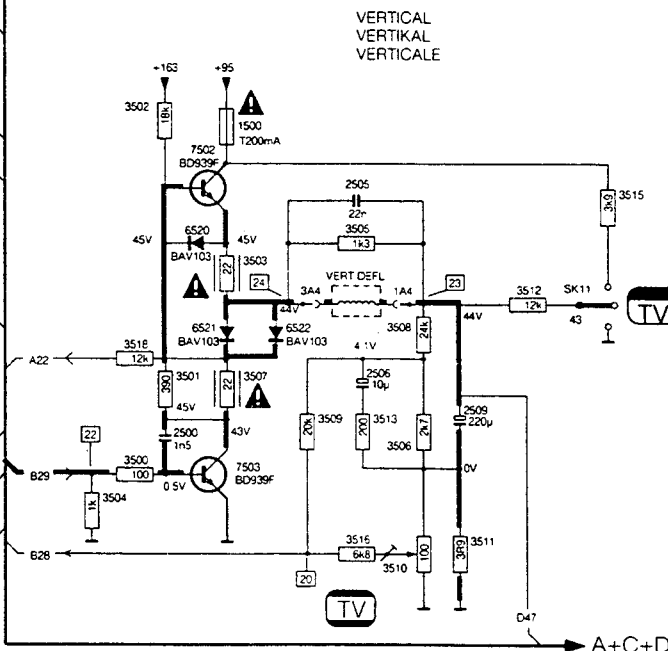
PR5 05284
T-07/849

SYNCHRONISATION-SINCRONIZZAZIONE-SYNGRONISMO





- 1) -ONLY PRESENT ON SETS WITH TXT
-NUR ANWESEN IN GERÄTEN MIT VIDEOTEXT
-PRESENTI SUI MODELLI CON TELEVIDEO
-PRESENTI SOBRE MODELOS CON TELETXT
- 2) -NOT PRESENT IN NON REMOTE SETS
-NICH ANWESEN IN GERÄTEN OHNE FERNBEDIENUNG
-ASSENTE SUI MODELLI SENZA C.R.
-AUSENTE SOBRE MODELOS SIN C.R.
- 3) -ONLY PRESENT IN 21" SETS
-NUR ANWESEN IN 21" GERÄTEN
-PRESENTI SUI MODELLI 21"
-PRESENTI SOBRE MODELOS 21"



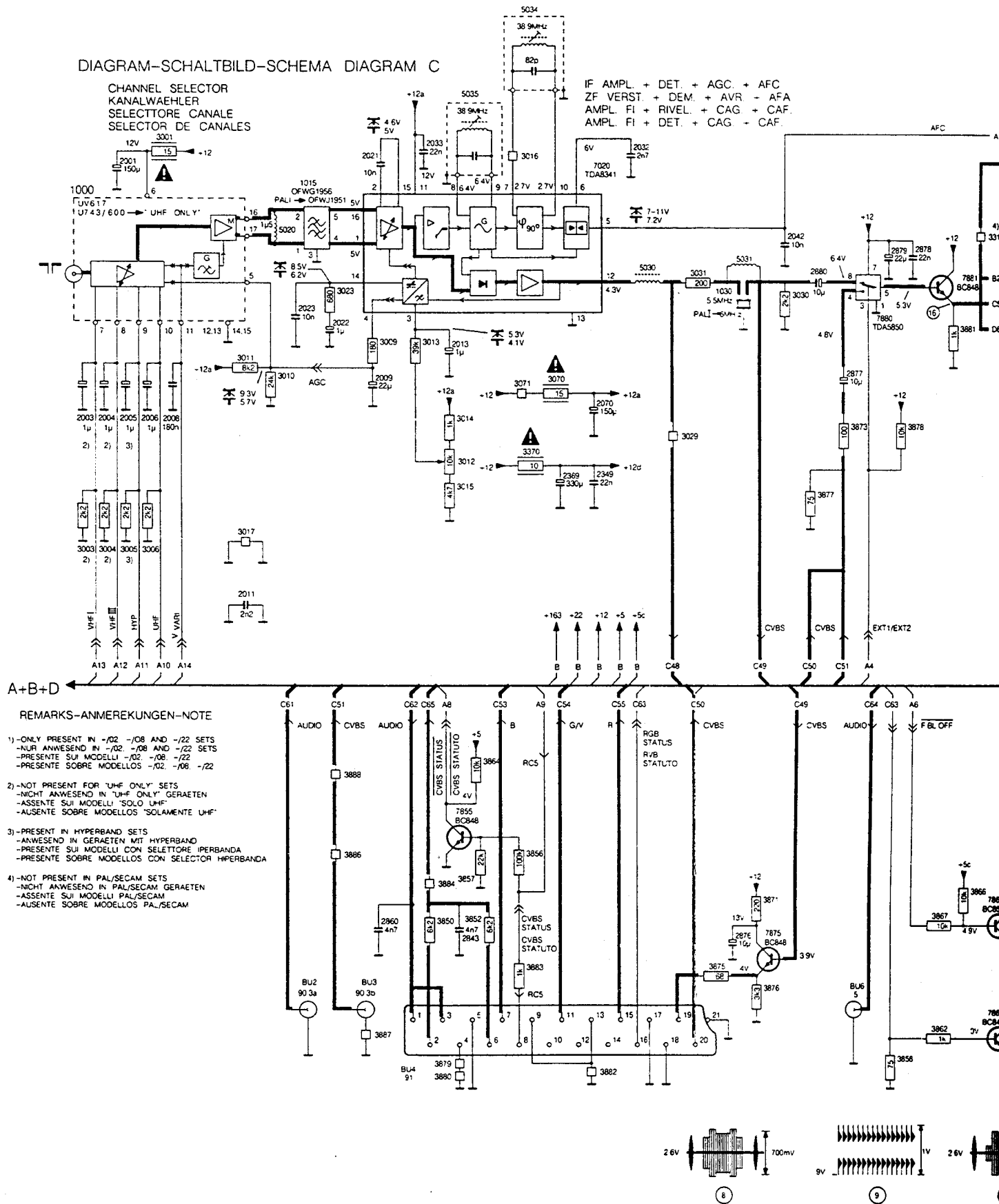
CHASSIS
G90AE
PRS 05292
112/848

1500	H17	3640	F14
1530	D17	3644	J 8
1600	H 2	3645	J 7
1640	F 8	3647	K 8
1643	E14	3649	K 8
2451	C 2	3650	K 8
A 2452	C 6	3651	L 9
2455	B 6	3652	K12
2456	B 6	3653	J10
2458	A 4	3654	K10
2459	E 6	3655	K11
2464	B 6	3656	L12
2465	B 6	3657	J 9
2466	A 3	3658	G 9
2467	A 3	3659	J13
B 2468	A 2	3660	I13
2469	A 2	3661	I12
2470	B 2	3662	J12
2471	D 3	3663	H10
2473	E16	3664	H12
2475	E 4	3665	J13
2500	J17	3666	I 9
2505	H18	3667	J10
2506	J18	3668	K10
2509	J18	3669	K 9
C 2526	D19	3670	H 8
2531	D18	3671	H 9
2534	C16	3672	H12
2540	D10	3673	I 9
2542	E11	3681	F11
2544	C10	3758	I14
2545	C2	5452	B 7
2546	C13	5530	D16
2547	D13	5534	D16
2550	C16	5554	B 7
D 2560	C16	5541	C11
2570	C18	5545	A14
2580	E15	5554	C15
2580	G2	5580	D16
2602	G 5	5554	G 4
2604	H 5	5600	G 3
2605	H 6	5619	I 4
2606	L 7	5621	J 5
2611	K 2	5625	J 7
2614	K 2	5631	G12
E 2617	L 4	5632	F 7
2620	J 5	5633	I 7
2625	I 6	5634	G 7
2630	G 8	5790	L14
2631	C13	6455	B 7
2632	G 7	6465	E16
2634	G 7	6520	I17
2636	J11	6521	J17
F 2640	G 9	6522	I18
2644	I 7	6544	C 2
2645	J 8	6547	I13
2650	L 8	6560	C18
2655	K11	6570	C17
2656	L12	6580	D15
2660	I 8	6600	H 8
2661	J14	6602	G 5
2670	H 8	6603	G 6
2790	I14	6604	H 5
G 2843	E15	6605	H 6
3450	E 5	6611	K 2
3451	D 6	6613	L 2
3452	C 7	6614	K 2
3453	E 4	6615	J 7
3454	B 7	6616	L 5
3455	C 7	6617	J 6
3456	B 6	6621	J 6
3457	A 4	6622	K 6
3458	A 4	6623	K 5
H 3459	E 6	6624	K 6
3460	D 6	6625	H 8
3461	E 6	6637	J11
3462	D 7	6640	F 8
3463	C 1	6645	J 7
3465	E 5	6649	K 7
3466	A 2	6653	I10
3468	A 2	6655	K13
3469	A 2	6656	K13
I 3470	B 2	6657	K13
3471	D 2	6659	K14
3473	C 7	6661	J13
3475	B 7	6662	J13
3481	E 4	6665	J14
3500	K16	6669	H 8
3501	J17	6670	H 7
3510	H 5	6843	E15
J 3503	I17	7455	B 7
3504	K16	7470	B 5
3505	I18	7471	E 4
3506	K18	7502	H17
3507	I17	7503	K17
3508	J18	7530	E18
3509	J18	7533	E17
3510	L18	7540	D10
3511	K18	7545	C12
3512	I 9	7612	J 9
3513	J18	7614	K 3
3515	I20	7614	J 9
3516	K18	7615	J 3
3518	I16	7616	J 4
K 3520	I19	7625	I 6
3525	E19	7637	J11
3527	D19	7652	J10
3534	D17	7653	I 9
3535	D18	7654	L10
3540	D10	7655	K11
3541	D10	7656	K12
3542	D11	7661	H12
3544	D10	7663	J13
3545	D12	7671	H10
3554	C15	SK11	G 2
3555	C11	SK11	I20
3556	C13		
3557	C10		
3560	B16		
3561	B16		
3570	C16		
M 3580	D14		
3581	D14		
3601a	H 4		
3601b	H 4		
3604	F 2		
3609	J 1		
3610	J 2		
3611	J 2		
3613	L 1		
N 3614	H 5		
3615	I 3		
3616	K 4		
3617	L 4		
3618	I 5		
3619	K 4		
3620	H 5		
3621	I 5		
3622	J 5		
3623	I 4		
O 3625	K 6		
3627	L 6		
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3633	I11		
3634	J12		
3635	J11		
3636	J11		

DIAGRAM-SCHALTBILD-SCHEMA DIAGRAM C

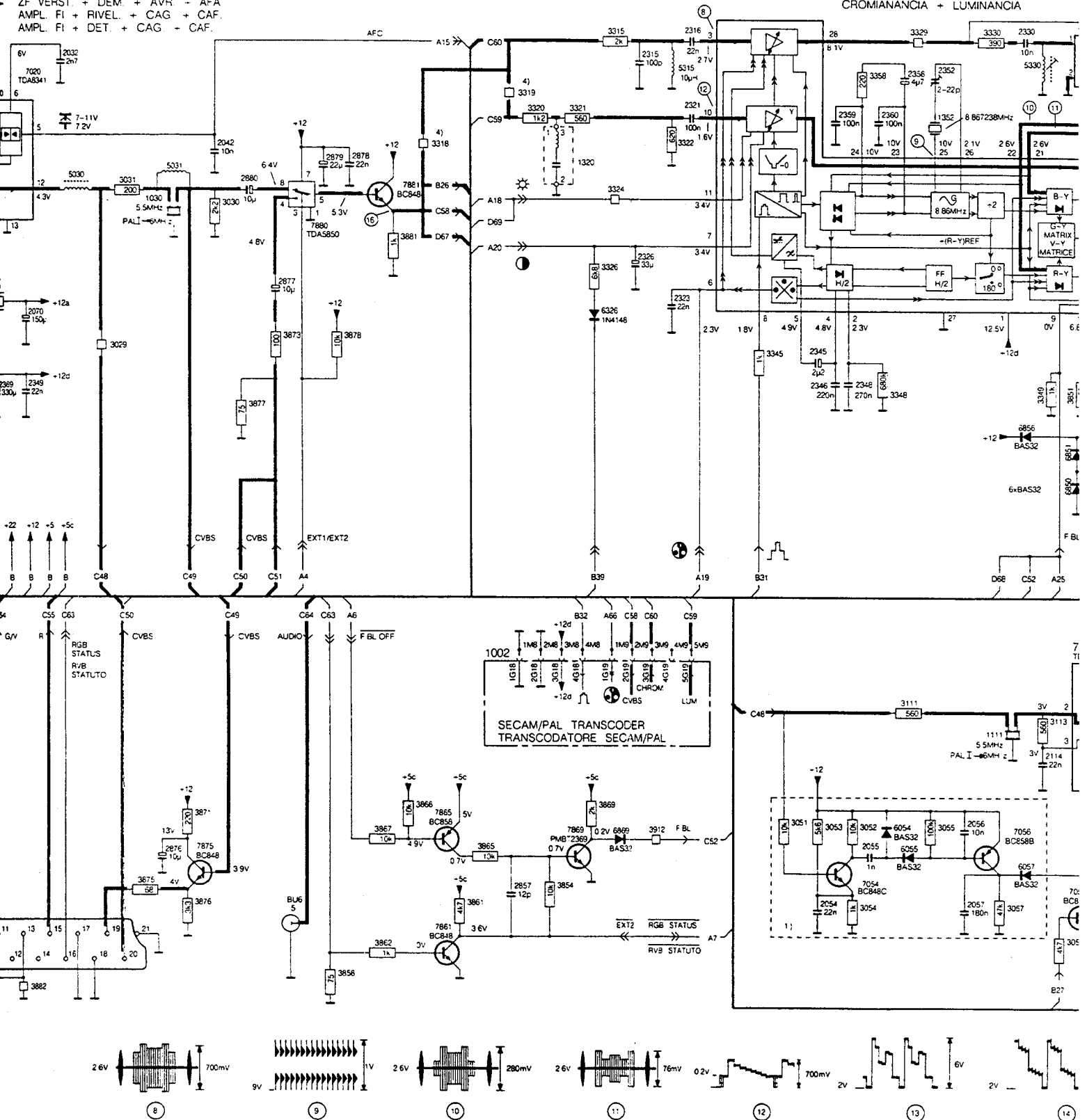
CHANNEL SELECTOR
KANALWAHLER
SELETORE CANALE
SELETORE DE CANALES

IF AMPL. + DET. + AGC. + AFC
ZF VERST. + DEM. + AVR - AFA
AMPL. FI + RIVEL. + CAG + CAF.
AMPL. FI + DET. + CAG - CAF.



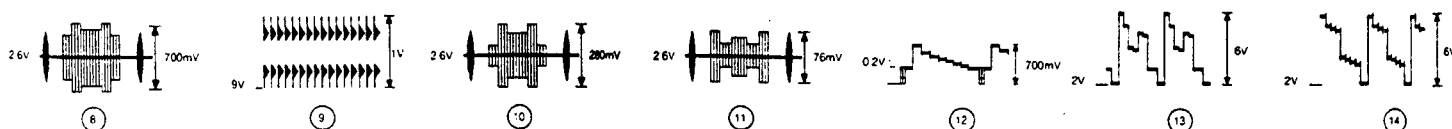
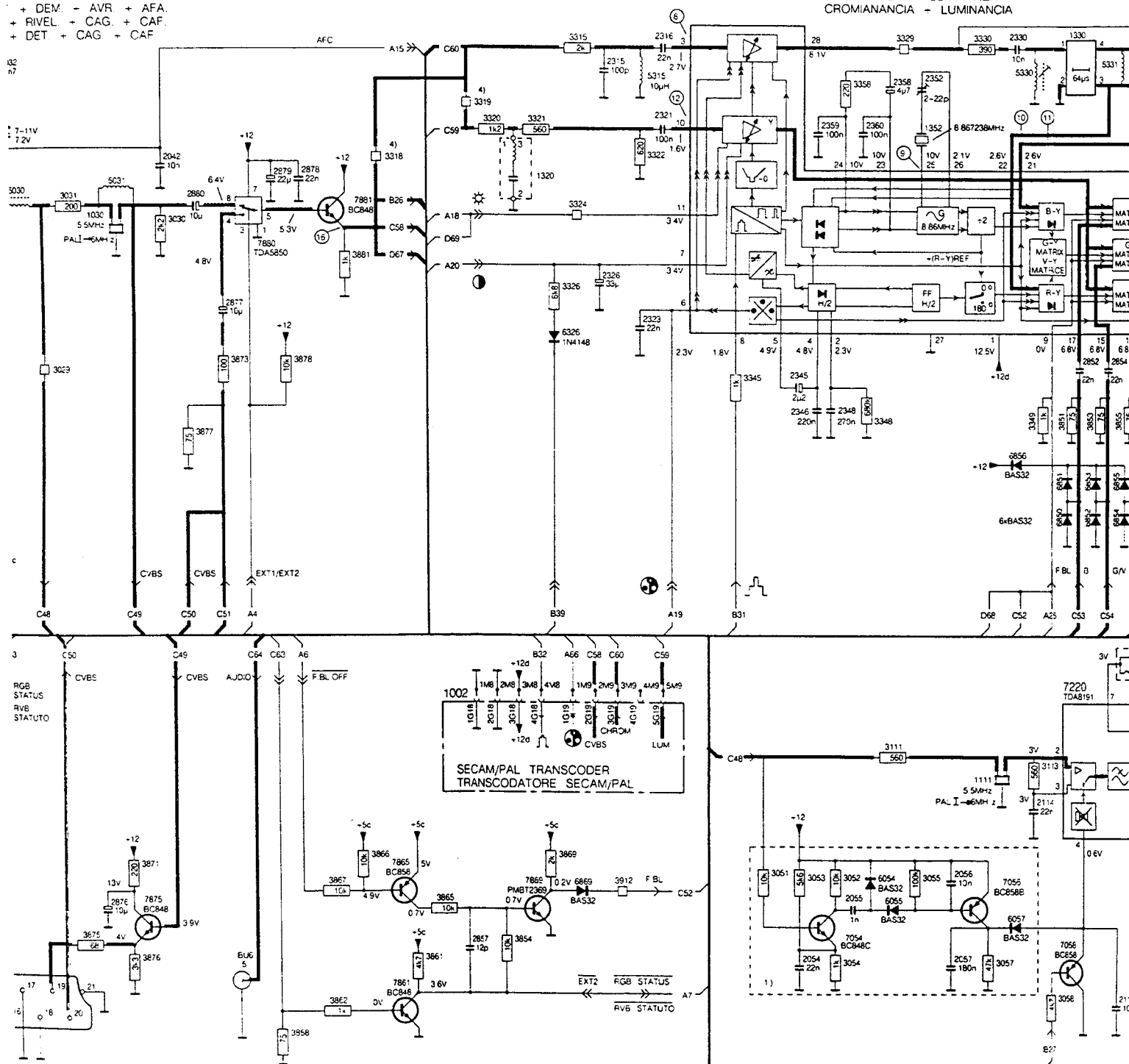
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 AMPL. FI + RIVEL. + CAG. + CAF.
 AMPL. FI + DET. + CAG. - CAF.

CHROMINANCE + LUMINANCE
 FARBBART + LEUCHTDICHTE
 CROMINANZA + LUMINANZA
 CROMIANANCIA + LUMINANCIA



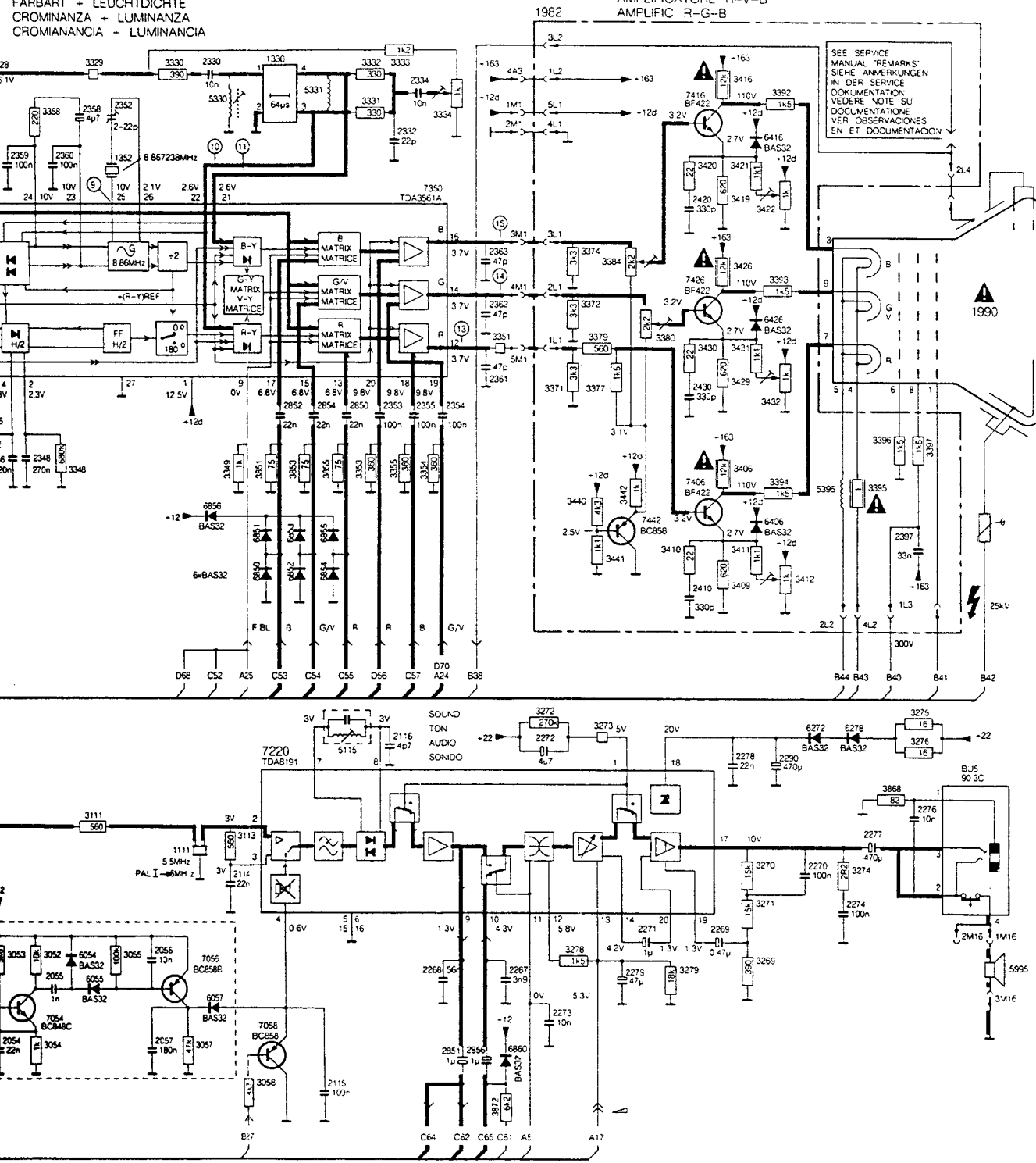
+ DET. + AGC. + AFC
+ DEM. - AVR. + AFA.
+ RIVEL. + CAG. + CAF.
+ DET. + CAG. + CAF

CHROMINANCE + LUMINANCE
FARBART + LEUCHTDICHTE
CROMINANZA + LUMINANZA
CROMIANANCIA + LUMINANCIA



CHROMINANCE + LUMINANCE
FARBART + LEUCHTDICHT
CROMINANZA + LUMINANZA
CROMIANANCIA + LUMINANCIA

R-G-B AMPLIFIER
R-G-B VERSTÄRKER
AMPLIFICATORE R-V-B
AMPLIFIC R-G-B



SEE SERVICE MANUAL "REMARKS" SIEHE ANMERKUNGEN IN DER SERVICE DOKUMENTATION VEDERE NOTE SU DOCUMENTAZIONE VER OBSERVACIONES EN ET DOCUMENTACION

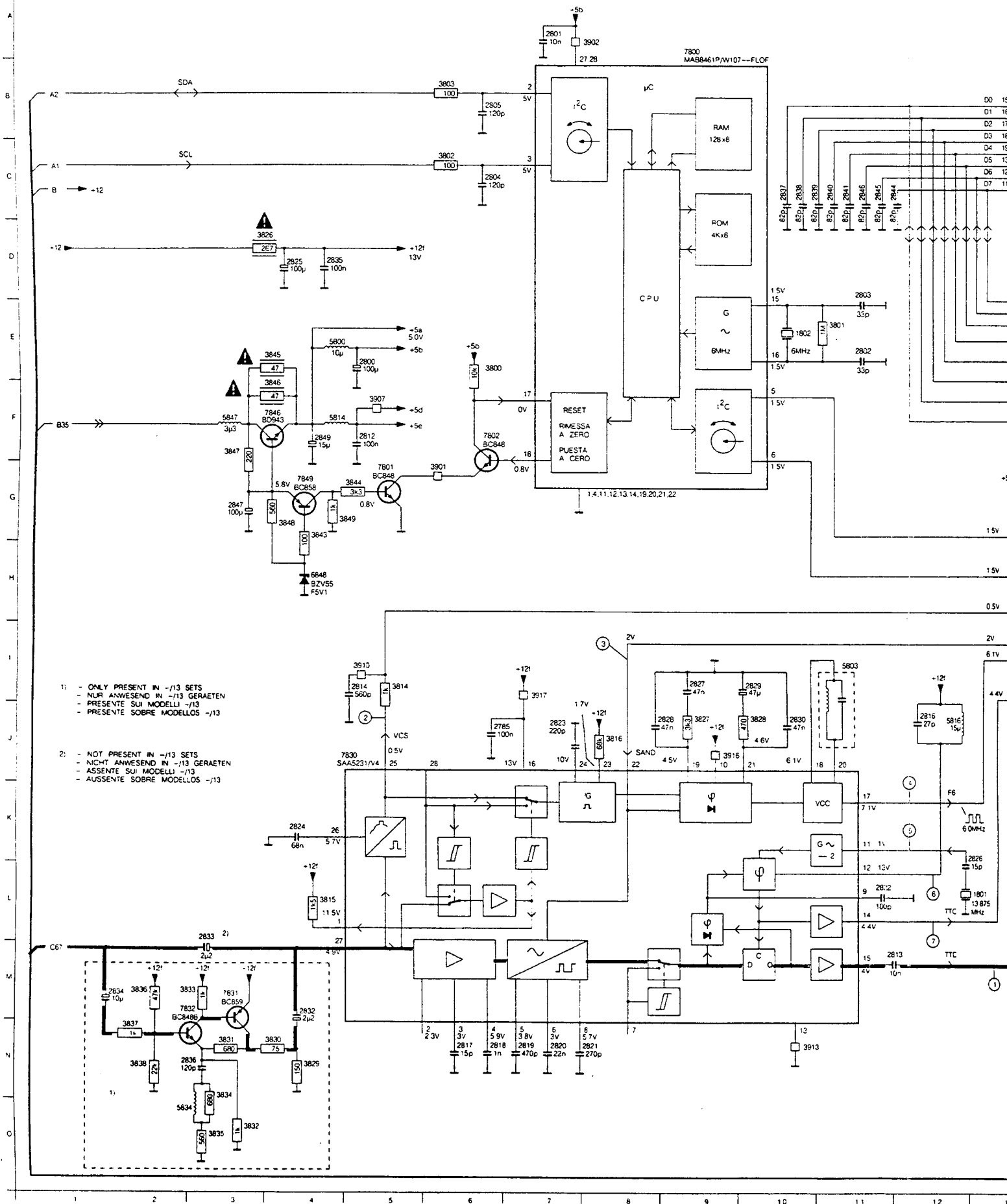
CHASSIS G90AE

PRS 05297 127/849

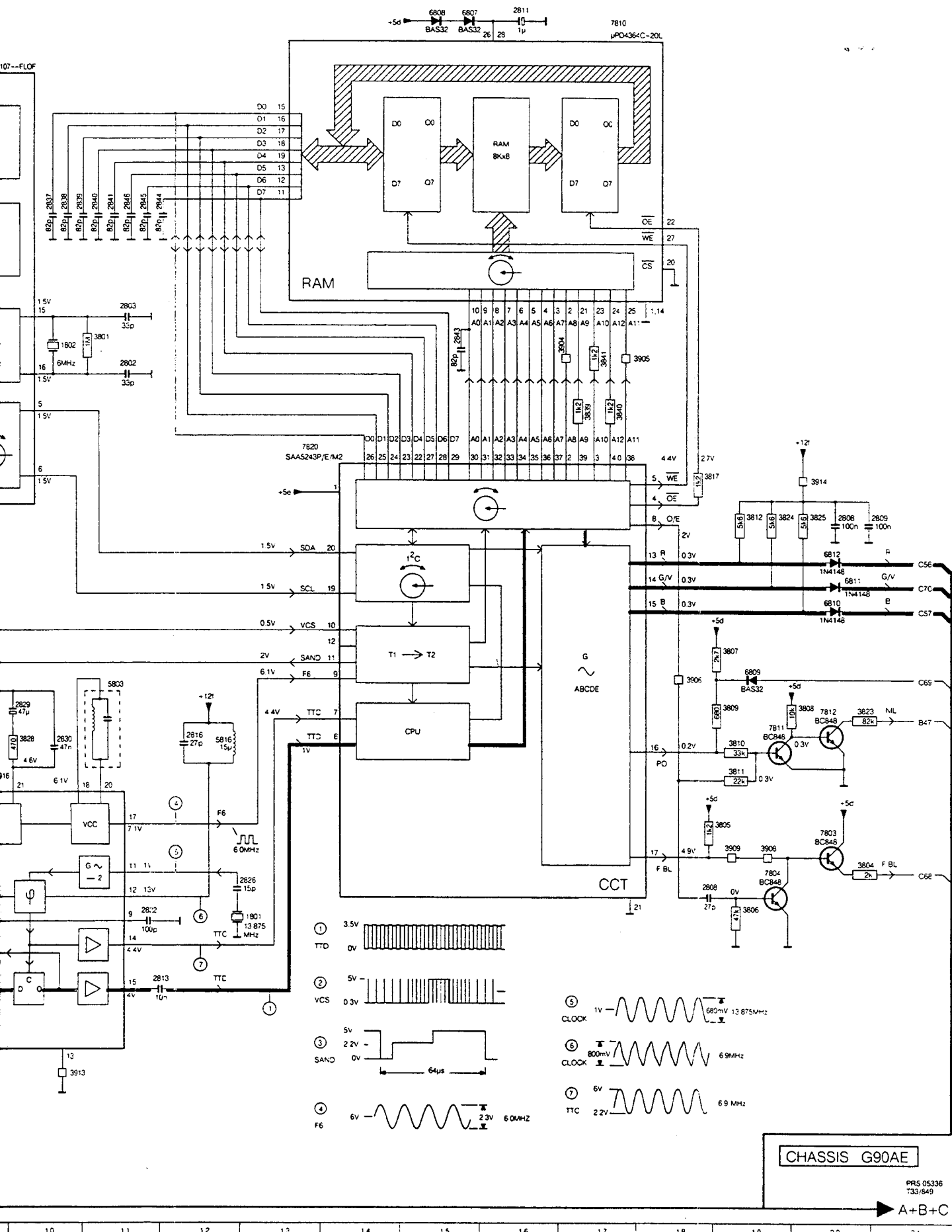
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1330	B20	3374	D24
1352	C19	3377	F24
1982	A23	3379	E24
1990	E28	3380	E25
195	C 4	3384	D24
2001	B 2	3392	B26
2003	F 2	3393	D26
2004	F 2	3394	G26
2005	F 2	3395	G25
2006	F 2	3396	F27
2008	F 3	3397	F27
2009	E 5	3400	F25
2011	H 4	3409	H25
2013	E 6	3410	G25
2021	B 5	3411	G25
2022	D 5	3412	H26
2033	D 4	3416	B25
2032	B 8	3419	E25
2033	L 9	3420	E25
2042	C 0	3421	E25
2054	M 7	3422	D26
2055	L 8	3426	D25
2056	L 9	3429	E25
2070	E 8	3431	E25
2114	K20	3432	F26
2115	M21	3440	G24
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2267	L 22	3442	G24
2268	K22	3443	E 6
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2271	K26	3446	F21
2272	L 22	3447	L14
2273	L 24	3448	F21
2274	K27	3449	K 7
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2277	J27	3452	M13
2278	L 25	3453	M13
2279	L 24	3454	M12
2280	J26	3455	J 7
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2316	B 5	3457	K13
2321	C 6	3458	L12
2322	C 6	3459	J27
2323	E 6	3460	K15
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2326	B22	3463	F11
2327	B22	3464	L 9
2328	F 7	3465	M10
2329	F 8	3466	G11
2330	F 8	3467	N 6
2331	F 8	3468	N 6
2332	F 8	3469	N 6
2333	F 8	3470	N 6
2334	F 8	3471	N 6
2335	F 8	3472	N 6
2336	F 8	3473	N 6
2337	F 8	3474	N 6
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2436	F 8	3573	N 6
2437	F 8	3574	N 6
2438	F 8	3575	N 6
2439	F 8	3576	N 6
2440	F 8	3577	N 6
2441	F 8	3578	N 6
2442	F 8	3579	N 6
2443	F 8	3580	N 6
2444	F 8	3581	N 6
2445	F 8	3582	N 6
2446	F 8	3583	N 6
2447	F 8	3584	N 6
2448	F 8	3585	N 6
2449	F 8	3586	N 6
2450	F 8	3587	N 6
2451	F 8	3588	N 6
2452	F 8	3589	N 6
2453	F 8	3590	N 6
2454	F 8	3591	N 6
2455	F 8	3592	N 6
2456	F 8	3593	N 6
2457	F 8	3594	N 6
2458	F 8	3595	N 6
2459	F 8	3596	N 6
2460	F 8	3597	N 6
2461	F 8	3598	N 6
2462	F 8	3599	N 6
2463	F 8	3600	N 6
2464	F 8	3601	N 6
2465	F 8	3602	N 6
2466	F 8	3603	N 6
2467	F 8	3604	N 6
2468	F 8	3605	N 6
2469	F 8	3606	N 6
2470	F 8	3607	N 6
2471	F 8	3608	N 6
2472	F 8	3609	N 6
2473	F 8	3610	N 6
2474	F 8	3611	N 6
2475	F 8	3612	N 6
2476	F 8	3613	N 6
2477	F 8	3614	N 6
2478	F 8	3615	N 6
2479	F 8	3616	N 6
2480	F 8	3617	N 6
2481	F 8	3618	N 6
2482	F 8	3619	N 6
2483	F 8	3620	N 6
2484	F 8	3621	N 6
2485	F 8	3622	N 6
2486	F 8	3623	N 6
2487	F 8	3624	N 6
2488	F 8	3625	N 6
2489	F 8	3626	N 6
2490	F 8	3627	N 6
2491	F 8	3628	N 6
2492	F 8	3629	N 6
2493	F 8	3630	N 6
2494	F 8	3631	N 6
2495	F 8	3632	N 6
2496	F 8	3633	N 6
2497	F 8	3634	N 6
2498	F 8	3635	N 6
2499	F 8	3636	N 6
2500	F 8	3637	N 6

DIAGRAM-SCHALTBILO-SCHMA-DIAGRAM D

TXT DECODER - VIDEOTEXT DECODER - DECOD

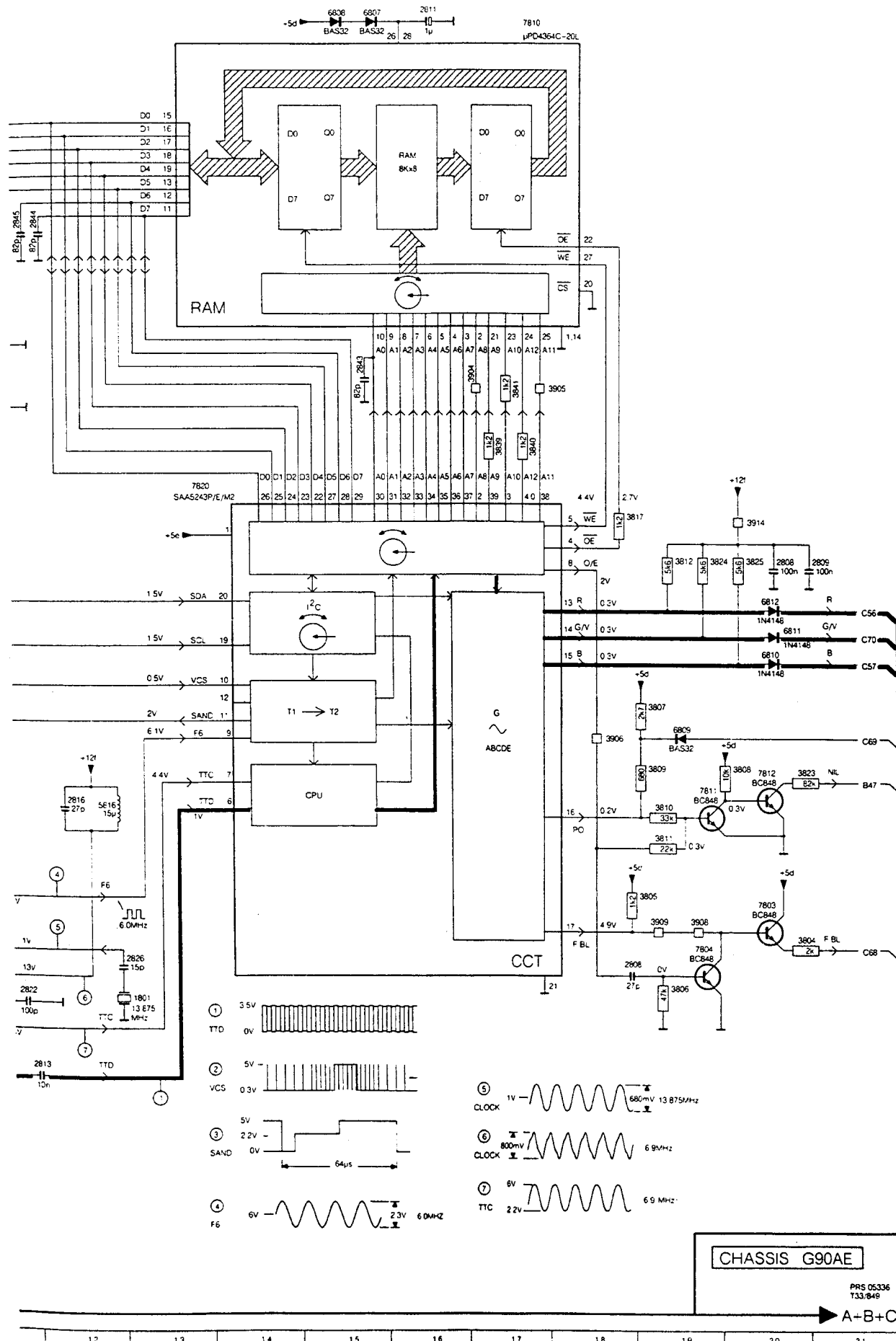


VIDEOTEXT DECODER - DECODIFI



1801	L13
1802	E10
1803	J 7
1804	E 5
1805	A 7
1806	E11
1807	D11
1808	C 6
1809	B 6
1810	L18
1811	G20
1812	A16
1813	F 5
1814	M12
1815	I 5
1816	J12
1817	N 6
1818	N 6
1819	N 7
1820	N 7
1821	N 8
1822	L 1
1823	J 7
1824	K 4
1825	D 4
1826	K13
1827	I 9
1828	J 9
1829	I10
1830	J10
1831	M 4
1832	L 3
1833	M 2
1834	M 2
1835	D 4
1836	N 3
1837	C10
1838	C10
1839	C10
1840	C11
1841	C11
1842	E15
1843	C12
1844	C11
1845	C11
1846	C11
1847	G 3
1848	F 4
1849	F 4
1850	C 6
1851	E11
1852	C 6
1853	B 6
1854	K20
1855	K19
1856	L19
1857	I19
1858	I20
1859	I19
1860	I19
1861	J18
1862	G19
1863	I 5
1864	I 5
1865	L 4
1866	I 8
1867	F19
1868	I20
1869	G19
1870	G19
1871	G20
1872	D 4
1873	J 9
1874	J10
1875	N 4
1876	N 4
1877	N 4
1878	N 3
1879	O 3
1880	M 3
1881	N 3
1882	N 3
1883	O 3
1884	M 2
1885	N 2
1886	N 2
1887	F17
1888	F17
1889	E17
1890	G 4
1891	G 4
1892	G 4
1893	G 4
1894	G 4
1895	G 4
1896	G 4
1897	G 4
1898	G 4
1899	G 4
1900	G 4
1901	G 4
1902	G 4
1903	G 4
1904	G 4
1905	G 4
1906	G 4
1907	G 4
1908	G 4
1909	G 4
1910	G 4
1911	G 4
1912	G 4
1913	G 4
1914	G 4
1915	G 4
1916	G 4
1917	G 4
1918	G 4
1919	G 4
1920	G 4
1921	G 4
1922	G 4
1923	G 4
1924	G 4
1925	G 4
1926	G 4
1927	G 4
1928	G 4
1929	G 4
1930	G 4
1931	G 4
1932	G 4
1933	G 4
1934	G 4
1935	G 4
1936	G 4
1937	G 4
1938	G 4
1939	G 4
1940	G 4
1941	G 4
1942	G 4
1943	G 4
1944	G 4
1945	G 4
1946	G 4
1947	G 4
1948	G 4
1949	G 4
1950	G 4

CODER - DECODIFI



1801 L13
1802 E10
1803 J 7
1804 E 5
1805 A 7
1806 E11
1807 D11
1808 C 6
1809 B 6
1810 L18
1811 G20
1812 A16
1813 F 5
1814 M12
1815 I 5
1816 J12
1817 N 6
1818 N 6
1819 N 7
1820 N 7
1821 N 8
1822 L11
1823 J 7
1824 K 4
1825 D 4
1826 K13
1827 I 9
1828 J 9
1829 I10
1830 J10
1831 M 4
1832 L 3
1833 M 2
1834 D 4
1835 N 3
1836 C10
1837 C10
1838 C10
1839 C10
1840 C11
1841 C11
1842 E15
1843 C12
1844 C11
1845 C11
1846 C11
1847 G 2
1848 F 4
1849 E 6
1850 E11
1851 C 6
1852 B 6
1853 K20
1854 K19
1855 M 2
1856 F19
1857 I15
1858 I2C
1859 I15
1860 J15
1861 J15
1862 G19
1863 I 5
1864 I 4
1865 E 6
1866 F19
1867 I20
1868 G19
1869 G19
1870 G20
1871 D 4
1872 J 9
1873 J10
1874 N 4
1875 N 4
1876 N 3
1877 M 3
1878 M 2
1879 O 3
1880 M 2
1881 N 2
1882 N 2
1883 F17
1884 F17
1885 E17
1886 G 4
1887 G 4
1888 E 4
1889 F 4
1890 G 4
1891 G 4
1892 G 4
1893 E11
1894 E11
1895 E11
1896 F 5
1897 K19
1898 K19
1899 I 5
1900 N10
1901 G20
1902 J 9
1903 I 7
1904 E 4
1905 I11
1906 F14
1907 J12
1908 O 2
1909 F 3
1910 A15
1911 A15
1912 J 5
1913 M 3
1914 M 2
1915 F 4
1916 G 4
1917 G 4

CHASSIS

MECHANICAL PARTS

4822 492 63524	SPRING TS7625
4822 492 70158	SPRING TS7502/7503/7545
4822 256 30274	FUSE HOLDER
4822 277 10976	MAINS SWITCH
4822 273 30206	SWITCH SK11
4822 404 30989	BRACKET in front of tuner
4822 404 30991	BRACKET fixing secam/pal transc.
4822 276 80347	FOIL KEYBOARD

— BOARD

A1	4822 265 40596	2P MAINS
A2	4822 265 30389	2P DEGAUSSING
A3	4822 265 30378	4P
A4	4822 264 40207	3P
A5	4822 265 40421	6P
M1	4822 265 30351	5P
M6	4822 267 50823	7P FOIL
M8	4822 417 50217	4P GOLD PLATED
M9	4822 267 40648	5P GOLD PLATED
M16	4822 264 40207	3P
	4822 267 31029	CINCH
	4822 267 60188	CVBS/audio/headphone
	4822 267 60243	EUROCONNECTOR

— CABLE

A1	4822 290 60626	2P MAINS
A3/L2	4822 267 40597	4P
A4	4822 267 40582	3P
A5	4822 267 40584	6P
M1/L1	4822 267 40583	5P
M16	4822 267 40582	3P

VARIOUS PARTS

1000	4822 210 50118	TUNER U743/600
1000	4822 210 40273	TUNER UV617
1003	4822 212 22983	INFRA RED RECEIVER
1015	4822 242 71852	FILTER OFWJ1951
1015	4822 242 70824	FILTER OFWG1956
1030	4822 153 30025	FILTER 6.0MHz
1030	4822 242 72211	FILTER 5.5MHz
1111	4822 242 71841	FILTER 6.0MHz
1111	4822 242 70714	FILTER 5.5MHz
1320	4822 157 53897	FILTER 4.43MHz
1330	4822 320 40189	DELAY LINE 64µs
1352	4822 242 70626	CRYSTAL 8.87MHz
1500	4822 253 10072	FUSE 200mA T
1530	4822 253 10099	FUSE 100mA T
1600	4822 253 30025	FUSE 2A T
1640	4822 253 10064	FUSE 400mA T
1760	4822 242 70831	CRYSTAL 4.0MHz
1801	4822 242 71417	CRYSTAL 13.875MHz
1802	4822 242 71622	CRYSTAL 6.0MHz
1843	4822 253 20089	FUSE 630mA T

— II —

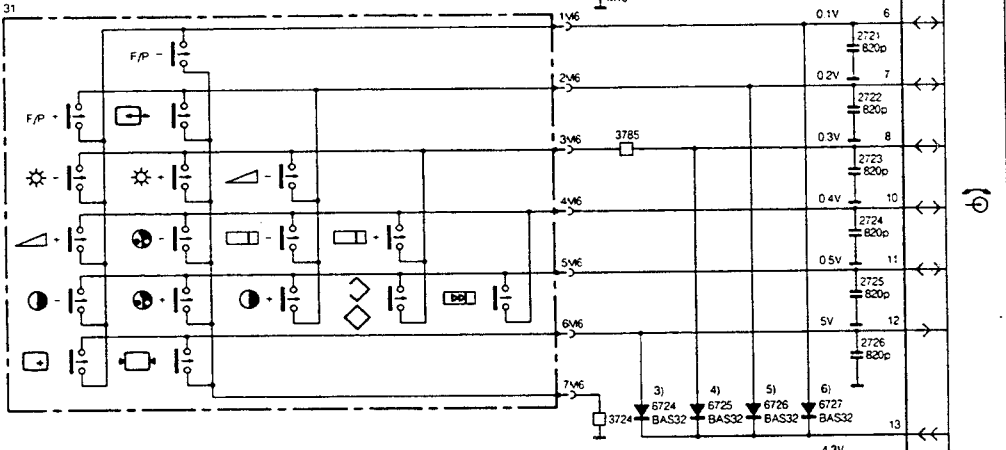
2001	4822 124 41569	150µF 20% 16V
2003	4822 124 41546	1µF 20% 16V
2004	4822 124 41546	1µF 20% 16V
2005	4822 124 41546	1µF 20% 16V
2006	4822 124 41546	1µF 20% 16V
2008	4822 121 51356	180nF 10% 63V
2009	4822 124 41596	22µF 20% 50V
2011	4822 122 31644	2.2nF 10% 63V
2013	4822 124 41546	1µF 20% 16V
2021	4822 122 32442	10nF 50V
2022	4822 124 41546	1µF 20% 16V
2023	4822 122 32442	10nF 50V
2032	4822 122 31783	2700pF 10% 50V
2033	4822 122 32863	22nF 80% 50V
2043	4822 122 30043	10nF 80% 100V
2054	4822 122 31797	22nF 10% 63V
2055	5322 122 31647	1nF 10% 50V
2056	4822 122 32862	10nF 80% 50V
2057	4822 121 51356	180nF 10% 63V
2070	4822 124 41569	150µF 20% 16V
2114	4822 122 32863	22nF 80% 50V
2115	4822 122 33104	100nF 10% 63V
2116	4822 122 32082	4.7pF 5% 50V
2267	4822 122 32566	3.9nF 10% 63V
2268	4822 122 32183	56nF 10% 50V
2269	4822 124 41644	470nF 20% 50V
2270	4822 122 33104	100nF 10% 63V
2271	4822 124 20722	1µF 50% 63V
2272	4822 124 41532	4.7µF 20% 50V
2273	4822 122 32862	10nF 80% 50V
2274	5322 121 42578	100nF 5% 100V
2276	4822 122 32862	10nF 80% 50V
2277	4822 124 41387	470µF 20% 25V
2278	4822 122 32863	22nF 80% 50V
2279	4822 124 41506	47µF 20% 16V
2290	4822 124 41387	470µF 20% 25V
2315	4822 122 31765	100pF 5% 50V
2316	4822 122 10167	22nF 30% 25V
2321	4822 122 33104	100nF 10% 63V
2323	4822 122 32863	22nF 80% 50V
2324	4822 124 40248	10µF 20% 63V
2325	4822 122 31797	22nF 10% 63V
2326	4822 124 40804	220µF 20% 63V
2327	4822 122 31797	22nF 10% 63V
2330	4822 122 32862	10nF 80% 50V
2332	4822 122 32482	22pF 5% 63V
2334	4822 122 32862	10nF 80% 50V
2345	4822 124 41585	2.2µF 20% 50V
2346	4822 121 42408	220nF 5% 63V
2348	4822 121 51115	270nF 10% 63V
2349	4822 122 31797	22nF 10% 63V
2352	4822 125 50045	20pF TRIMMER
2353	4822 121 41672	100nF 10% 100V
2354	4822 121 41672	100nF 10% 100V
2355	4822 121 41672	100nF 10% 100V
2358	4822 124 41532	4.7µF 20% 50V
2359	4822 122 33104	100nF 10% 63V
2360	4822 122 33104	100nF 10% 63V
2361	4822 122 31772	47pF 5% 50V
2362	4822 122 31772	47pF 5% 50V
2363	4822 122 31772	47pF 5% 50V
2369	4822 124 22803	330µF 20% 16V
2370	4822 124 41545	220µF 20% 16V
2451	4822 122 32893	100nF 80% 50V
2452	5322 122 31844	330pF 10% 63V

71
1003

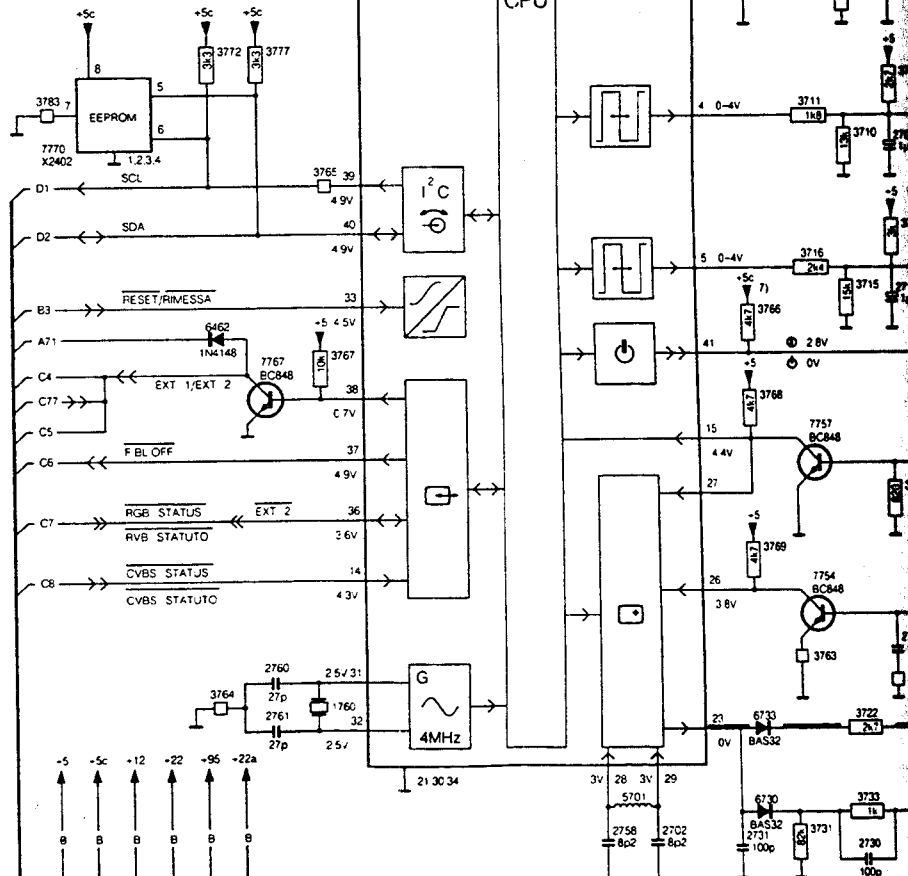
IR RECEIVER
IR EMPFÄNGER
RICEVITORE IR

+5V

31



- 1) NOT PRESENT IN UHF ONLY SETS
NICHT ANWESENDE IN UHF ONLY GERÄTEN
ASSENTE SUI MODELLI SOLO UHF
AUSSENTE SOBRE MODELOS SOLAMENTE UHF
- 2) PRESENT IN UHF ONLY SETS
ANWESENDE IN UHF ONLY GERÄTEN
PRESENTI SUI MODELLI SOLO UHF
PRESENTI SOBRE MODELOS SOLAMENTE UHF
- 3) PRESENT ON SETS WITH TXT
ANWESENDE IN GERÄTEN MIT VIDEOTEXT
PRESENTI SUI MODELLI CON TELEVIDEO
PRESENTI SOBRE MODELOS CON TELETEXTO
- 4) PRESENT IN HYPERBAND SETS
ANWESENDE IN GERÄTEN MIT HYPERBAND
PRESENTI SUI MODELLI CON SELETTOR IPERBANDA
PRESENTI SOBRE MODELOS CON SELECTOR HIPERBANDA
- 5) PRESENT IN UHF ONLY SETS
ANWESENDE IN UHF ONLY GERÄTEN
PRESENTI SUI MODELLI SOLO UHF
PRESENTI SOBRE MODELOS SOLAMENTE UHF
- 6) PRESENT IN NON REMOTE SETS
ANWESENDE IN GERÄTEN OHNE FERNBEDIENUNG
PRESENTI SUI MODELLI SENZA C R
PRESENTI SOBRE MODELOS SIN C R
- 7) PRESENT IN NON REMOTE SETS
NICHT ANWESENDE IN GERÄTEN OHNE FERNBEDIENUNG
ASSENTE SUI MODELLI SENZA C R
AUSSENTE SOBRE MODELOS SIN C R
- 8) PRESENT FOR PM03
ANWESENDE IN PM03
PRESENTI SUI PM03
PRESENTI SOBRE PM03


$$B+C+D$$

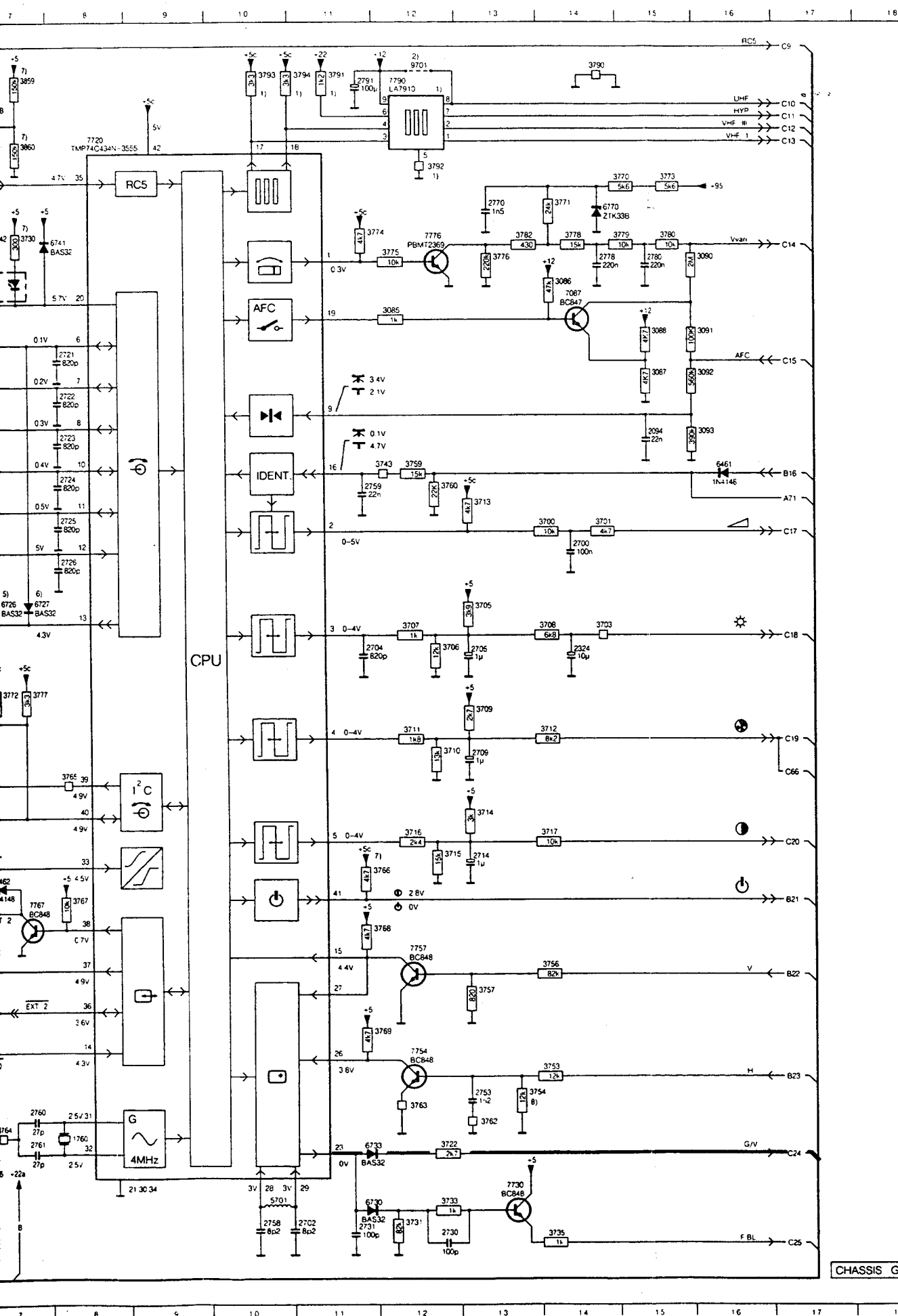
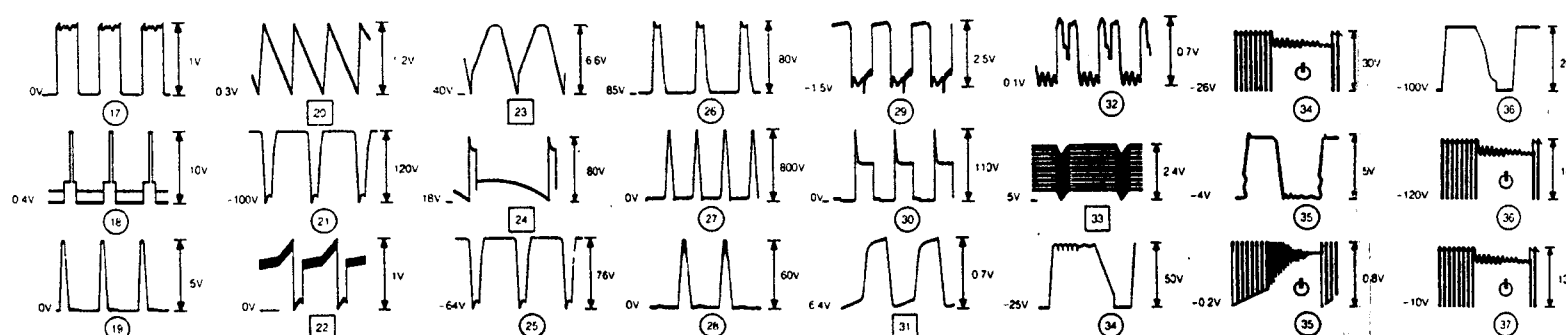
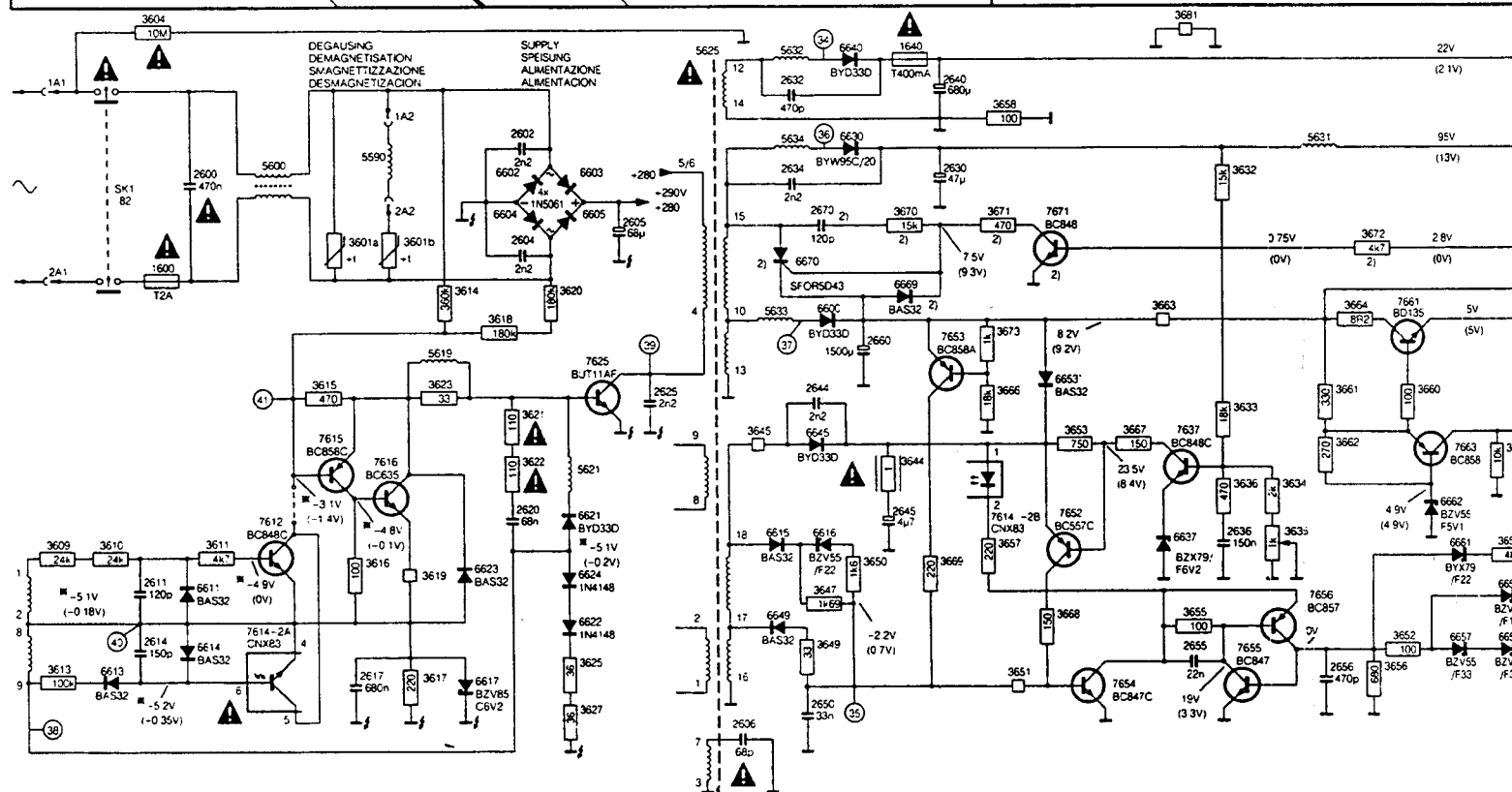
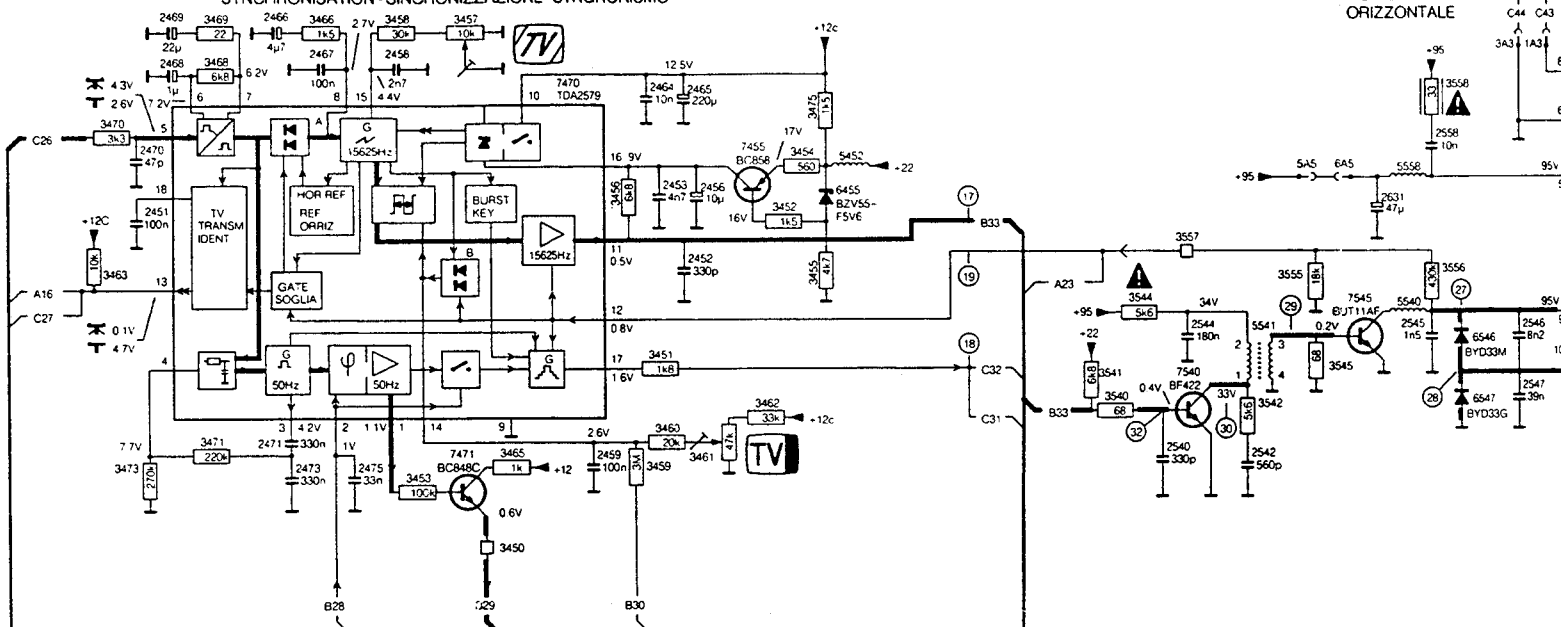
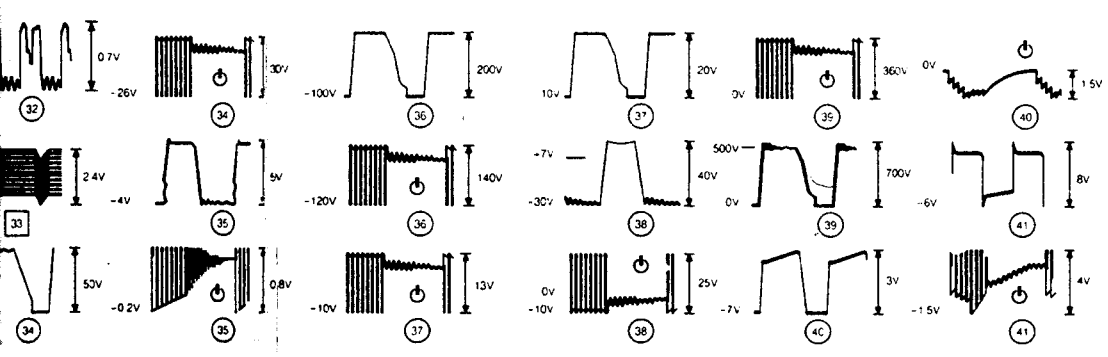
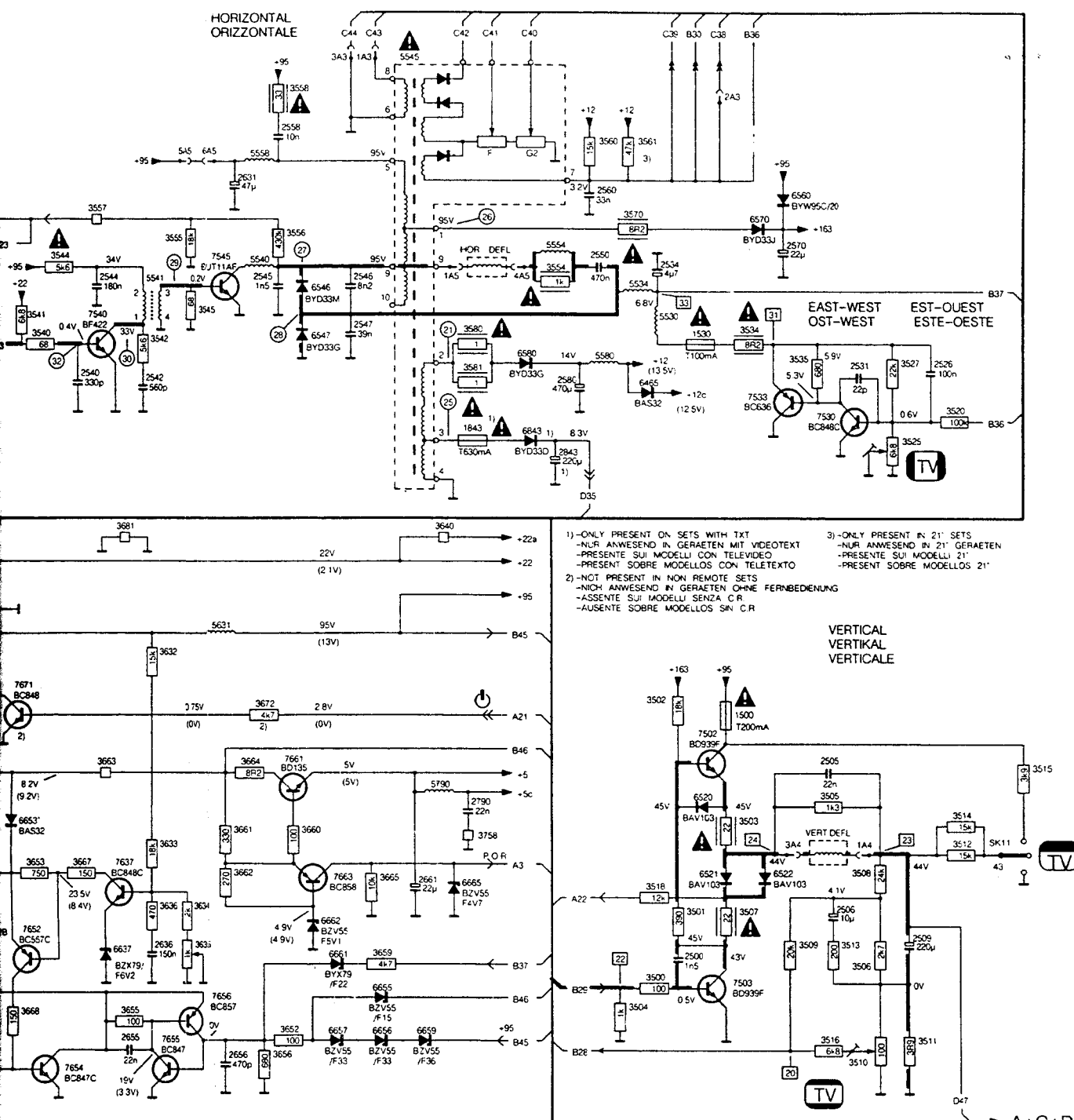


DIAGRAM-SCHALTBILD-SCHEMA-DIAGRAM B
SYNCHRONISATION-SINCRONIZZAZIONE-SYNGRONISMO

SYNCHRONISATION-SINCRONIZZAZIONE-SYNGRONISMO

HORIZONTAL
ORIZZONTALE

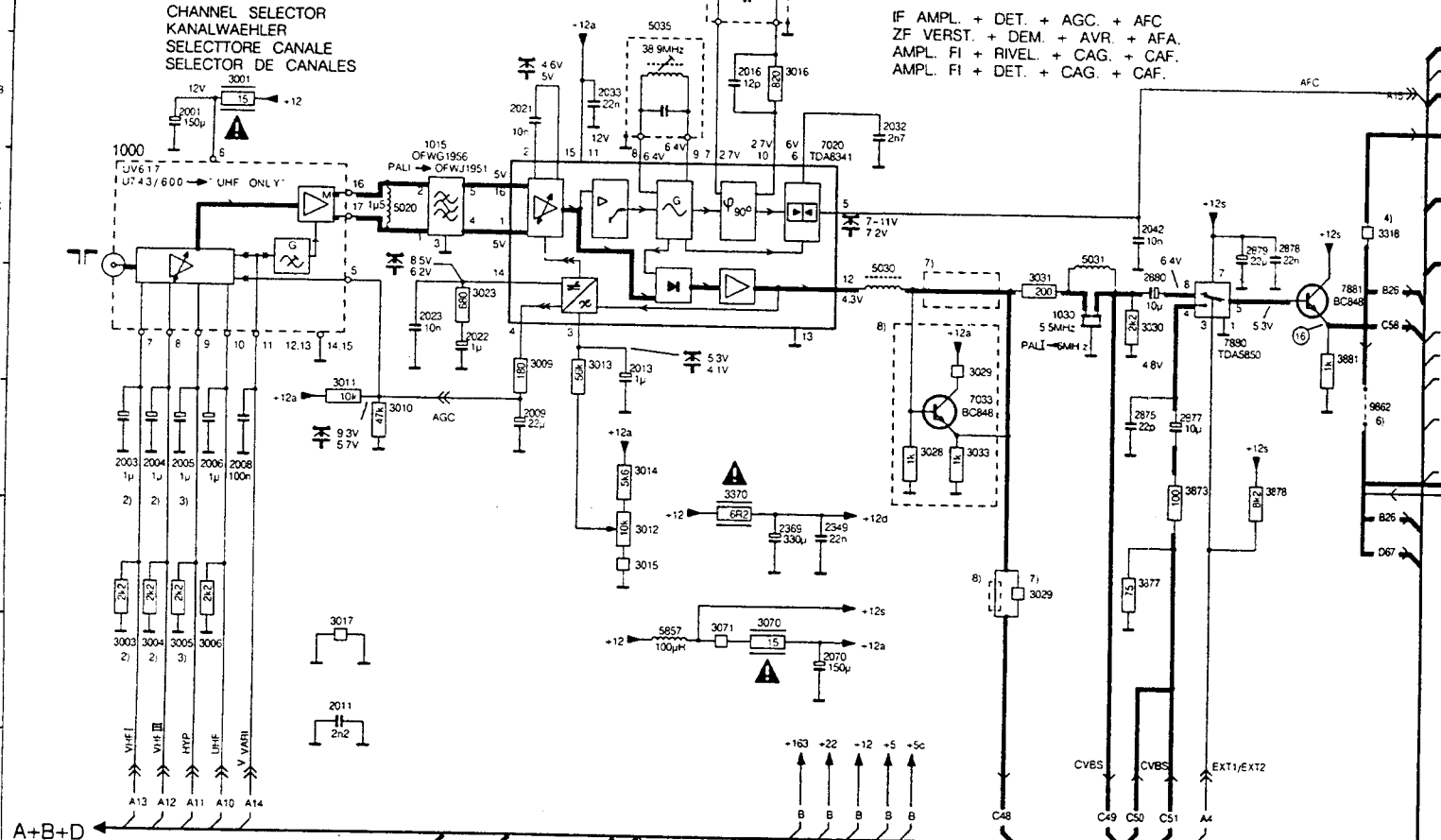




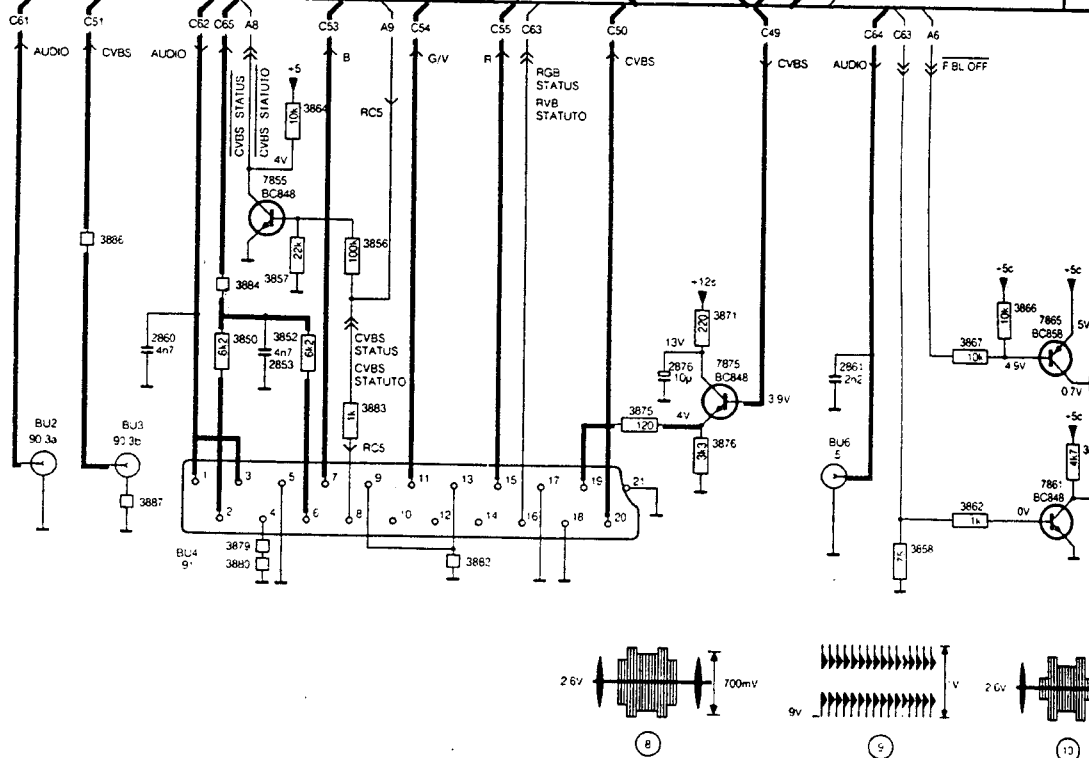
1500	H17	3635	J11
1530	D17	3636	J11
1600	H 2	3640	F14
1640	F 8	3644	J 8
1843	E14	3645	J 7
2451	C 2	3647	K 8
2452	C 6	3649	K 8
2453	B 6	3650	K 8
2456	B 6	3651	L 9
2458	A 4	3652	K12
2459	E 6	3653	J10
2465	B 6	3655	K11
2466	A 3	3657	J 9
2467	A 3	3658	G 9
2468	A 2	3659	J13
2469	A 2	3660	I13
2470	B 2	3661	I12
2471	O 3	3662	J12
2473	E 3	3663	H10
2475	E 4	3664	H12
2500	J17	3665	J13
2505	H18	3666	I 9
2506	J16	3667	J10
2509	J19	3668	K10
2525	D18	3669	K 9
2531	D18	3670	H 8
2534	C16	3671	H 9
2540	D10	3672	H12
2542	E11	3673	I 9
2544	C10	3681	F11
2545	C 2	3758	I14
2546	C13	3674	D13
2547	C13	5530	D16
2550	C16	5534	D16
2558	B12	5540	C12
2560	C16	5541	C11
2570	G 2	5558	B12
2580	E15	5554	C15
2600	G 2	5558	B12
2602	G 5	5580	D16
2604	H 5	5590	G 4
2605	H 6	5600	G 3
2606	L 7	5619	I 4
2611	K 2	5621	J 5
2614	K 2	5625	F 7
2617	L 4	5631	G12
2620	J 5	5632	F 7
2625	I 6	5633	I 7
2630	G 9	5634	G 7
2631	B12	5790	I14
2632	G 7	6455	H 8
2634	G 7	6465	E16
2636	J11	6520	I17
2640	G 9	6521	J17
2644	I 7	6522	D18
2645	J 8	6546	J13
2650	L 8	6547	J 6
2655	K11	6560	C18
2656	L12	6570	C19
2660	I 8	6580	D15
2661	J 8	6600	H 8
2670	H 8	6602	G 5
2790	I14	6603	G 6
2843	E15	6604	H 5
3450	E 5	6605	H 2
3451	D 6	6611	K 2
3452	C 7	6613	L 2
3453	E 4	6614	K 2
3454	B 7	6615	J 7
3455	C 7	6616	J 8
3456	B 6	6617	L 5
3457	A 4	6621	J 6
3458	A 4	6622	K 6
3459	E 6	6623	K 5
3460	D 6	6624	K 6
3461	E 6	6630	G 8
3462	D 7	6632	J11
3463	C 1	6640	F 8
3465	E 5	6645	J 7
3466	A 3	6649	K 7
3468	A 2	6653	I10
3469	A 2	6655	K13
3470	B 2	6656	K13
3471	D 2	6657	K13
3473	E 2	6659	K14
3504	K16	6643	E15
3500	K16	6662	J13
3501	J17	6665	J14
3502	H16	6669	H 8
3503	I17	6670	H 7
3504	K16	6683	E15
3505	I18	7456	B 7
3506	K18	7470	B 5
3507	J17	7471	E 4
3508	J18	7502	H17
3509	J18	7503	K17
3510	L18	7530	E18
3511	K19	7533	E17
3512	I19	7540	D10
3513	I19	7545	C12
3514	I19	7612	J 3
3515	I20	7614	K 3
3516	K18	7614	J 9
3518	L18	7615	J 3
3520	E19	7616	J 4
3525	E19	7625	I 6
3527	D19	7637	J11
3534	D17	7652	J10
3535	D18	7653	I 9
3540	D10	7654	L10
3541	D10	7655	K11
3542	D11	7656	K12
3544	C10	7661	H12
3545	D12	7663	J13
3554	C15	7671	H10
3555	C11	561	G 2
3556	C13	5611	I20
3557	C10		
3558	C10		
3560	B16		
3565	B18		
3570	C16		
3580	D14		
3581	D14		
3600	H 4		
3601	H 4		
3604	F 2		
3609	J 1		
3610	J 2		
3611	J 2		
3613	L 1		
3614	H 5		
3615	L 3		
3616	K 4		
3617	L 4		
3618	I 5		
3619	K 4		
3620	H 5		
3621	I 5		
3622	J 5		
3623	K 6		
3624	L 6		
3627	L 6		
3632	G11		
3633	I11		
3634	J12		

CHANNEL SELECTOR
KANALWAHLER
SELECTTORE CANALE
SELECTOR DE CANALES

IF AMPL. + DET. + AGC. + AFC
ZF VERST. + DEM. + AVR. + AFA.
AMPL. FI + RIVEL. + CAG. + CAF.
AMPL. FI + DET. + CAG. + CAF.

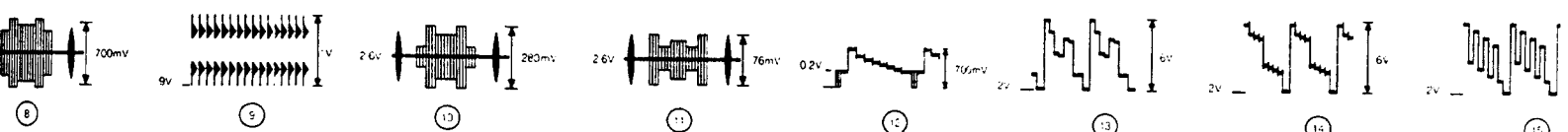
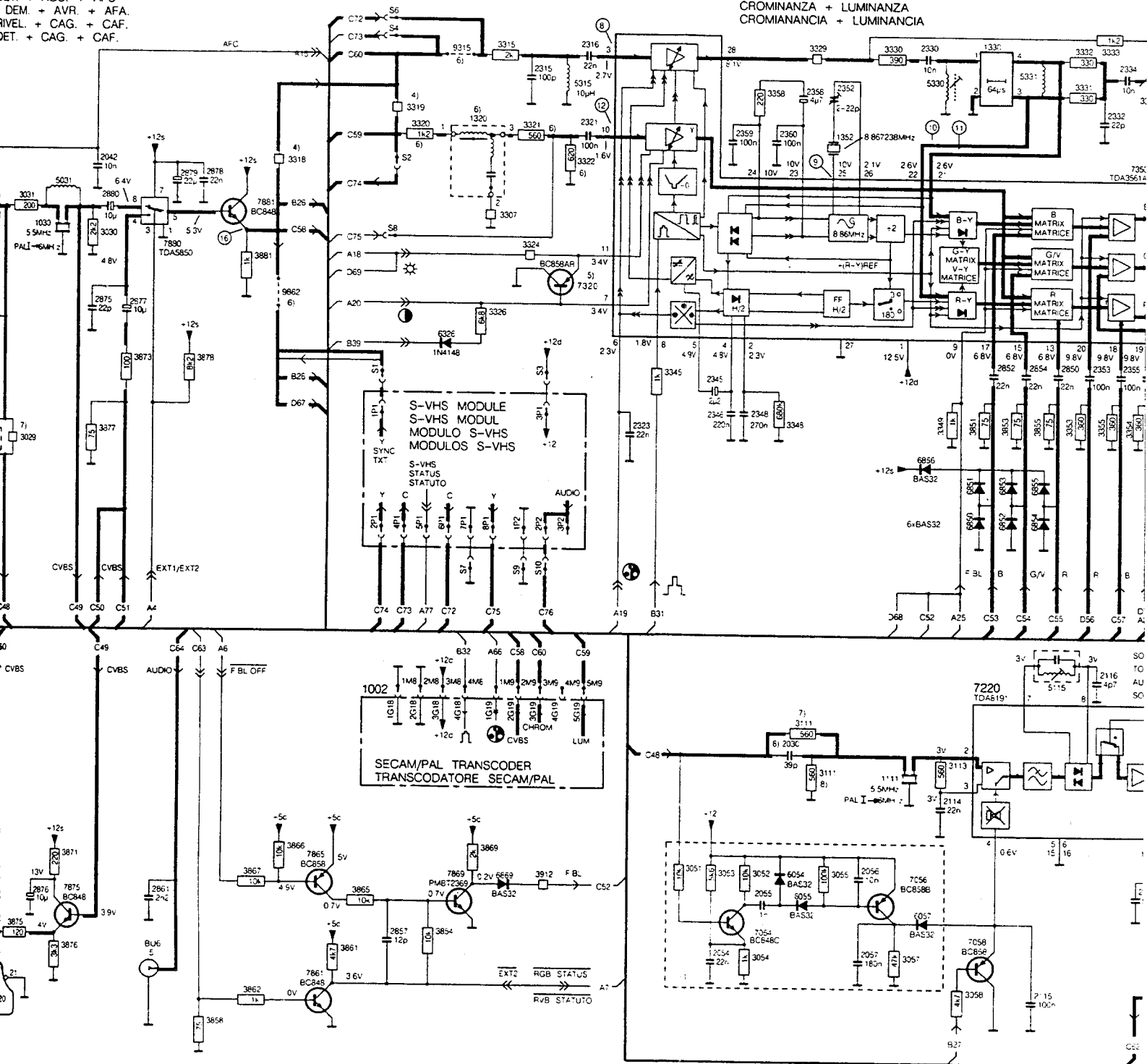


1. -ONLY PRESENT IN -/02 -/08 AND -/22 SETS
-NUR ANWESEND IN -/02 -/08 UND -/22 SETS
-PRESENTE SUI MODELLI -/02 -/08 -/22
-PRESENTE SOBRE MODELOS -/02 -/08 -/22
2. -NOT PRESENT FOR "UHF ONLY" SETS
-NICHT ANWESEND IN "UHF ONLY" GERÄTEN
-ASSENTE SUI MODELLI SOLO UHF
-AUSENTE SOBRE MODELOS "SOLAMENTE UHF"
3. -PRESENT IN HYPERBAND SETS
ANWESEND IN GERÄTEN MIT HYPERBAND
-PRESENTE SUI MODELLI CON SELETTORE IPERBANDA
-PRESENTE SOBRE MODELOS CON SELECTOR HIPERBANDA
4. -NOT PRESENT IN PAL/SECAM SETS
-NICHT ANWESEND IN PAL/SECAM GERÄTEN
-ASSENTE SUI MODELLI PAL/SECAM
-AUSENTE SOBRE MODELOS PAL/SECAM
5. -ONLY PRESENT IN SETS WITH TXT
-NUR ANWESEND IN GERÄTEN MIT VIDEOEXT
-PRESENTE SUI MODELLI CON TELEVIDEO
-PRESENT SOBRE MODELOS CON TELETXT
6. -NOT PRESENT IN S-VHS SETS
-NICHT ANWESEND IN S VHS GERÄTEN
-ASSENTE SUI MODELLI S VHS
-AUSENTE SOBRE MODELOS S VHS
7. -PRESENT FOR PM00-PM02
ANWESEND FÜR PM00-PM02
-PRESENTE SUI MODELLI PM00
-PRESENTE SOBRE PM00-PM02
8. -PRESENT FOR PM03
ANWESEND FÜR PM03
-PRESENTE SUI MODELLI PM03
-PRESENTE SOBRE PM03

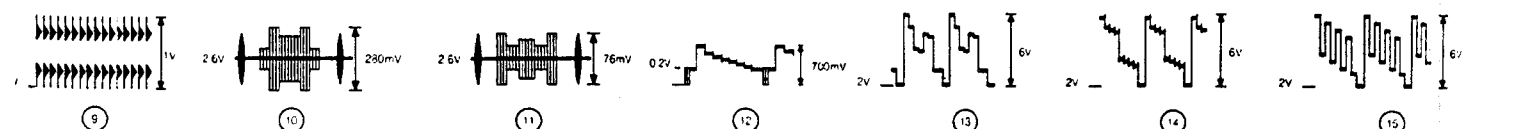
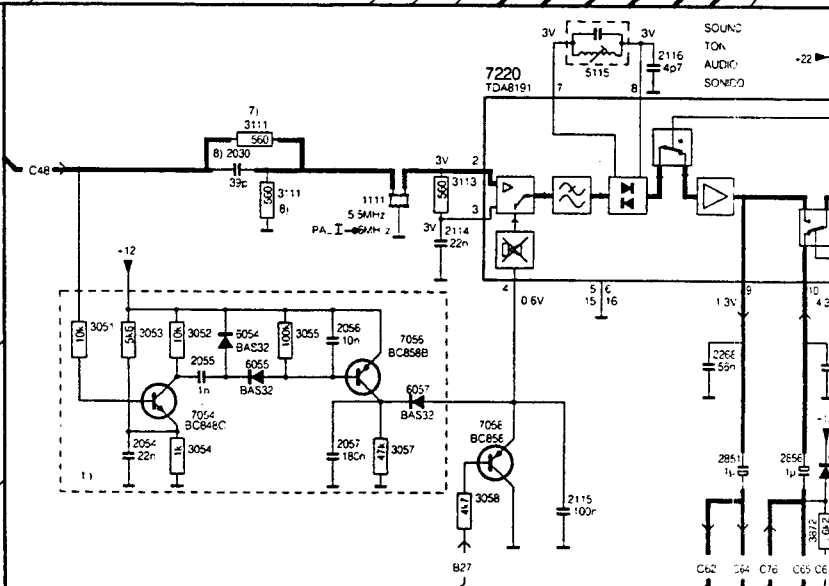
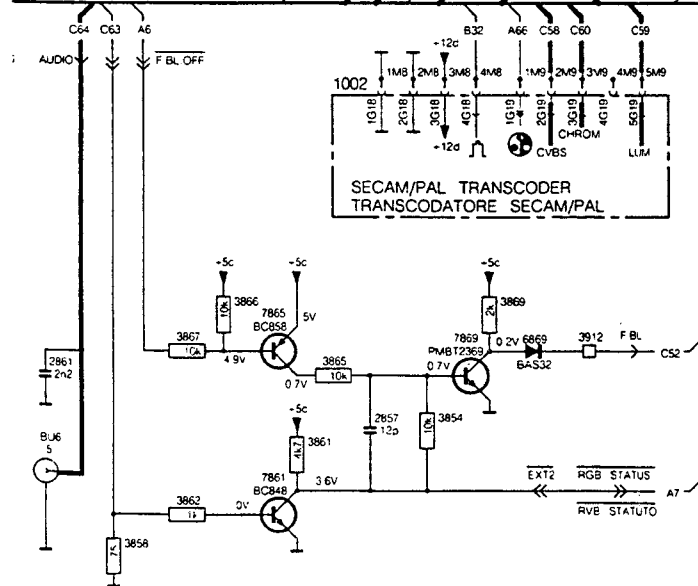
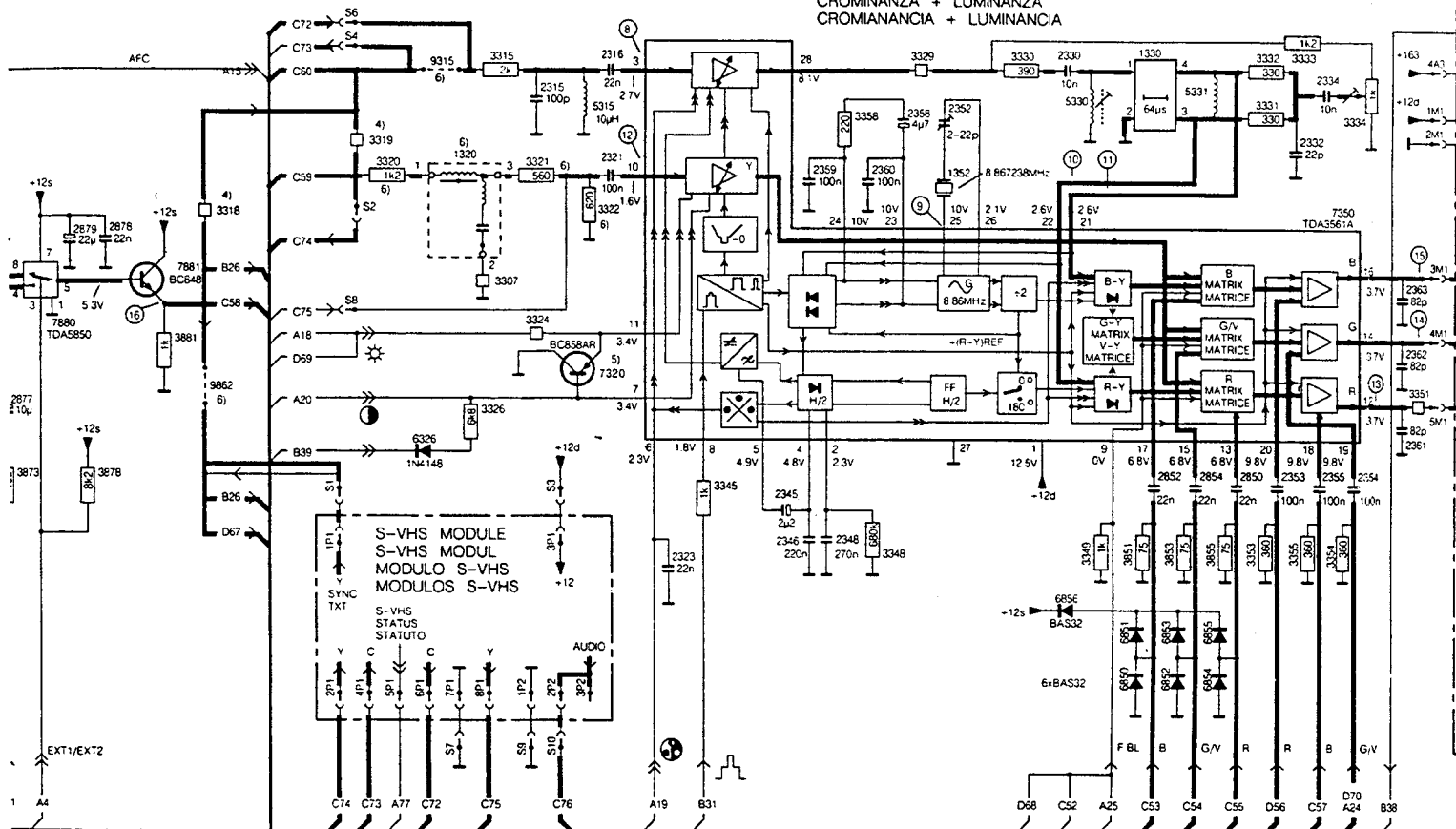


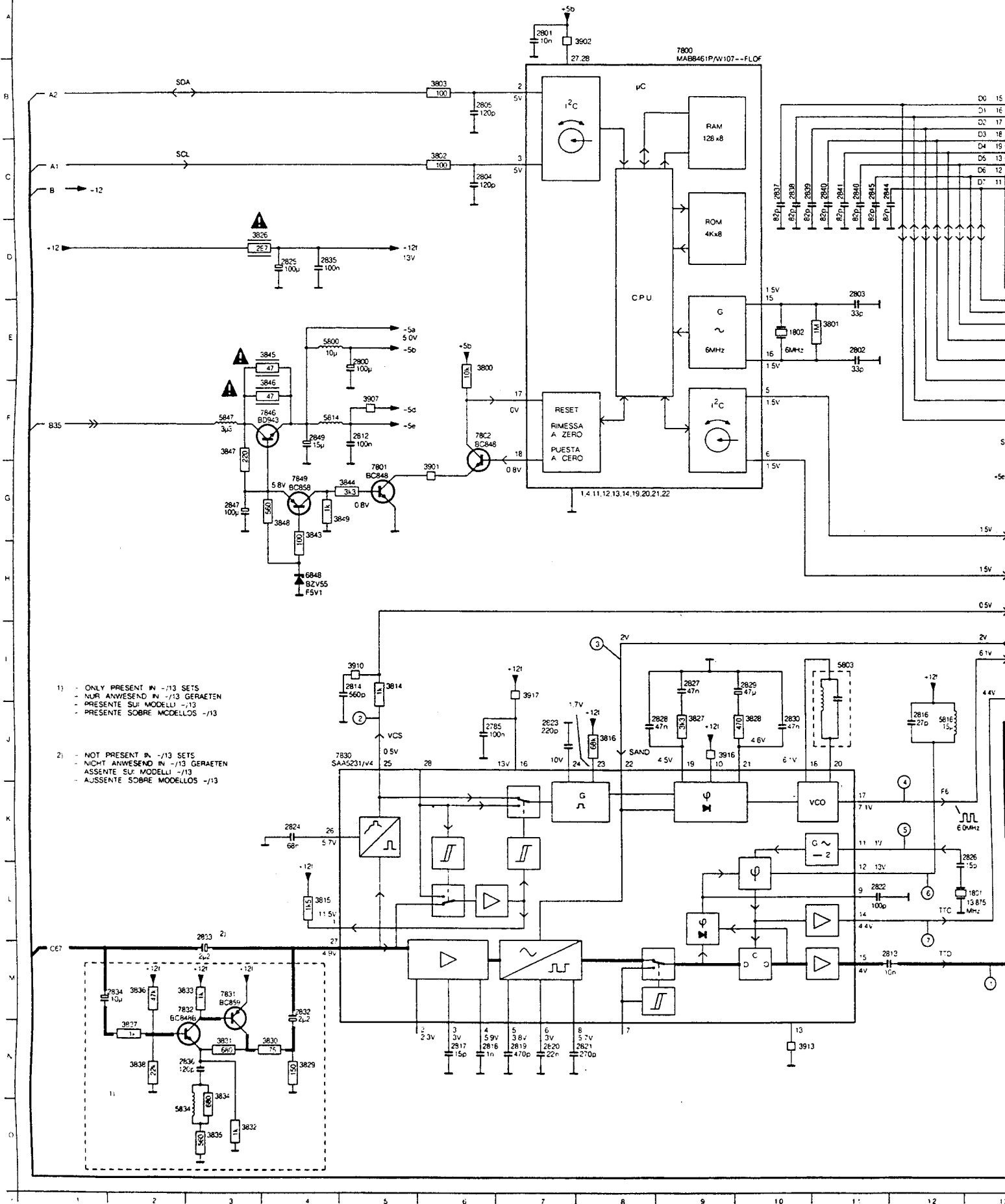
DET. + AGC. + AFC
DEM. + AVR. + AFA.
RIVEL. + CAG. + CAF.
DET. + CAG. + CAF.

CHROMINANCE + LUMINANCE
FARBART + LEUCHTDICHTE
CROMINANZA + LUMINANZA
CROMIANANZA + LUMINANCIA

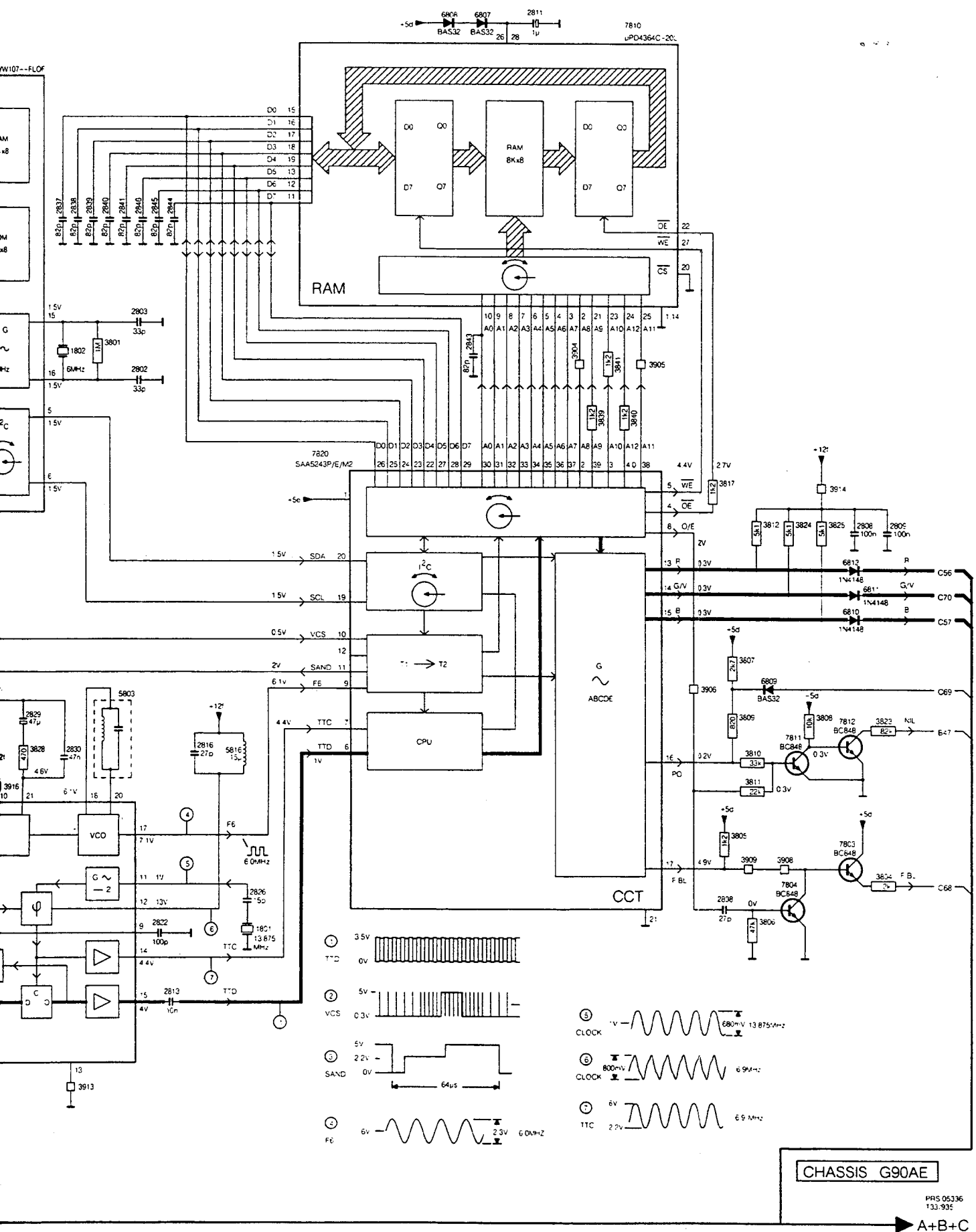


CHROMINANCE + LUMINANCE
FARBART + LEUCHTDICHTE
CROMINANZA + LUMINANZA
CROMIANCIA + LUMINANCIA



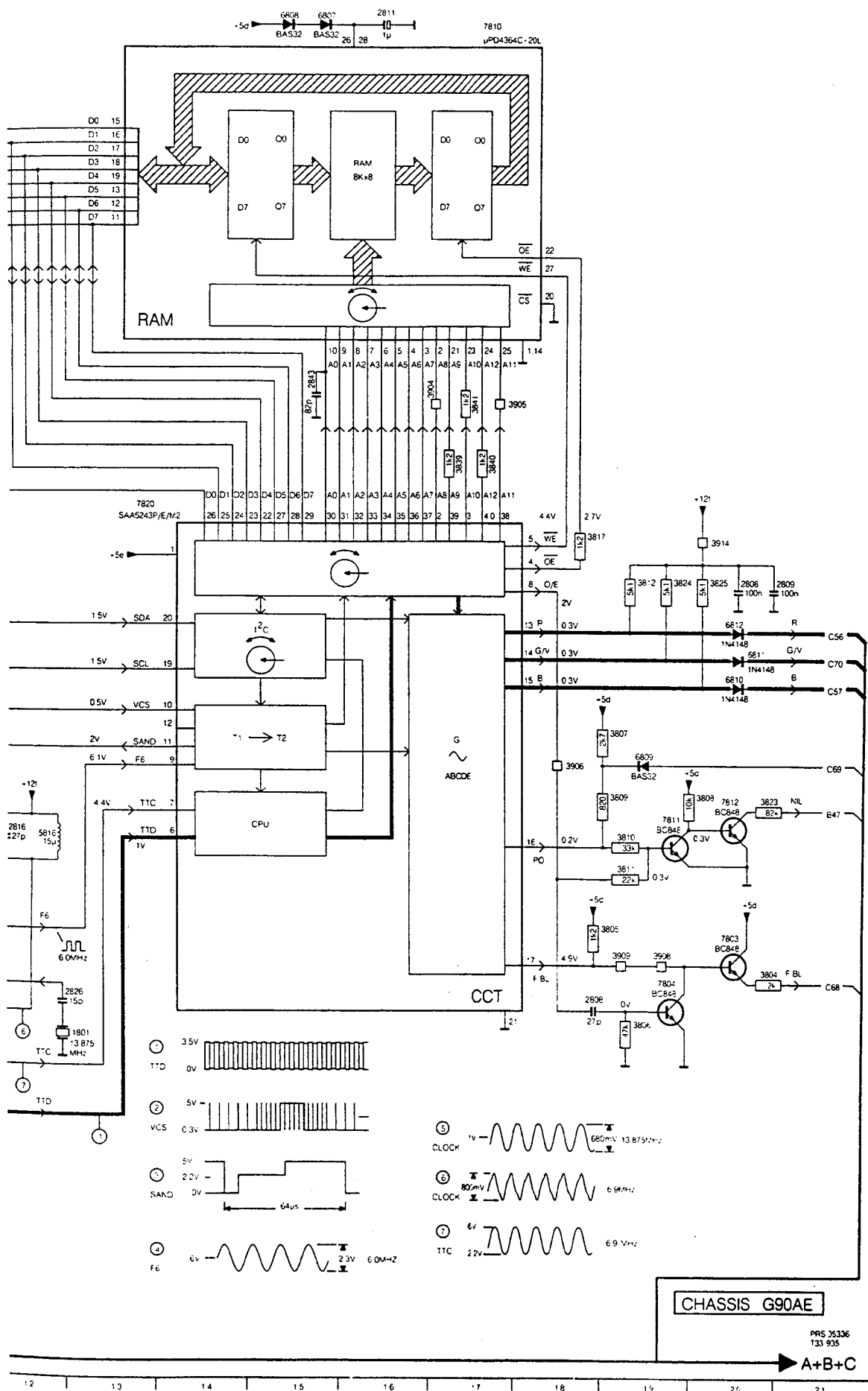


VIDEOTEXT DECODER - DECODIFI



1801	L13
1802	E10
2785	J7
2800	E5
2801	A7
2802	E1
2803	D1
2804	C6
2805	E6
2808	L18
2809	G20
2811	A16
2812	F5
2813	M2
2814	I5
2816	J12
2817	N6
2818	N6
2819	N7
2820	N7
2821	N8
2822	L11
2823	J7
2824	K4
2825	D4
2826	K13
2827	I9
2828	J9
2829	I10
2830	I10
2832	M4
2833	L3
2834	M2
2835	D4
2836	N3
2837	C10
2838	C10
2839	C10
2840	C11
2841	F11
2843	E15
2844	C12
2845	C11
2846	C11
2847	C12
2849	A4
2850	E6
2851	E11
2852	C6
2853	B6
2854	K20
2855	K15
2856	L15
2857	L15
2858	C20
2859	F17
2860	J15
2861	J15
2862	G15
2863	I15
2864	J15
2865	J8
2866	F15
2867	L20
2868	C15
2869	C15
2870	C20
2871	C4
2872	J10
2873	J10
2874	N4
2875	N4
2876	N4
2877	O3
2878	M3
2879	N3
2880	O3
2881	M2
2882	N2
2883	N2
2884	F17
2885	E17
2886	G4
2887	G5
2888	F4
2889	F4
2890	F3
2891	G4
2892	G5
2893	G6
2894	A8
2895	E17
2896	E18
2897	I18
2898	I18
2899	F5
2900	K19
2901	K19
2902	I5
2903	N10
2904	G20
2905	J9
2906	I7
2907	E4
2908	I11
2909	F4
2910	F4
2911	F3
2912	A15
2913	A15
2914	I9
2915	H20
2916	H20
2917	G20
2918	H4
2919	A9
2920	G5
2921	F6
2922	K20
2923	K19
2924	A7
2925	J6
2926	I20
2927	I20
2928	I20
2929	I20
2930	F5
2931	M3
2932	M2
2933	F4
2934	G4

1 - DECODIFI









1801	L13
1802	E10
2782	J7
2800	E5
2801	A7
2802	E1
2803	D11
2804	C6
2805	B6
2806	L18
2807	G20
2808	G21
2809	A16
2810	F5
2811	M12
2812	I5
2813	J12
2814	N6
2815	N7
2816	N8
2817	L11
2818	J7
2819	K4
2820	D4
2821	K13
2822	I9
2823	J6
2824	J10
2825	M4
2826	L3
2827	M2
2828	D4
2829	N3
2830	C10
2831	C10
2832	C10
2833	C11
2834	E15
2835	C12
2836	C11
2837	G3
2838	F4
2839	E6
2840	E1
2841	C6
2842	B6
2843	K20
2844	K19
2845	L19
2846	I19
2847	I20
2848	I19
2849	J19
2850	J19
2851	G19
2852	I5
2853	L4
2854	J8
2855	F9
2856	I20
2857	G19
2858	G20
2859	J9
2860	J10
2861	N4
2862	N3
2863	N3
2864	O3
2865	M3
2866	N3
2867	O2
2868	M2
2869	N2
2870	N2
2871	F17
2872	F17
2873	E17
2874	G4
2875	G5
2876	E4
2877	F3
2878	G4
2879	G5
2880	G6
2881	A8
2882	E17
2883	E18
2884	I18
2885	F5
2886	K19
2887	K19
2888	I5
2889	N10
2890	G20
2891	J9
2892	I7
2893	F4
2894	I11
2895	F4
2896	J12
2897	O2
2898	F3
2899	A15
2900	A15
2901	H20
2902	H20
2903	G20
2904	H4
2905	A9
2906	G5
2907	F6
2908	K20
2909	K19
2910	A17
2911	J5
2912	I20
2913	F13
2914	J5
2915	A3
2916	A2
2917	F4
2918	G4

CHASSIS G90AE

PRS 25336
133 935

A+B+C

CHASSIS

					
2008	5322 121 42386	100nF 5% 63V	3711	4822 116 52249	1k8 5% 0,5W
2016	4822 122 33205	12pF 10% 63V	3713	4822 116 52283	4k7 5% 0,5W
2030	4822 122 33996	39pF 5%	3742	4822 116 52249	1k8 5% 0,5W
2094	4822 122 32863	22nF 80% 50V	3754	4822 111 90253	12k 5% 0,5W
2275	4822 122 32442	10nF 10% 50V	3759	4822 111 90196	15k 2% 0,25W
2361	4822 122 31839	82pF 10% 50V	3760	4822 111 90251	22k 2% 0,25W
2362	4822 122 31839	82pF 10% 50V	3770	4822 116 52289	5k6 5% 0,5W
2363	4822 122 31839	82pF 10% 50V	3773	4822 116 52289	5k6 5% 0,5W
2453	4822 122 33484	4,7nF 10% 63V	3809	4822 111 90171	820Ω 2% 0,25W
2558	4822 122 31414	10nF 100V	3812	4822 116 82238	5K1 1% 0,125W
2607	4822 122 32769	2,2nF 1kV	3818	4822 111 90163	jumper
2660	4822 124 40432	1500μF 20% 25V	3819	4822 111 90163	jumper
2702	4822 122 32083	8,2pF 5% 50V	3824	4822 116 82238	5K1 1% 0,125W
2758	4822 122 32083	8,2pF 5% 50V	3825	4822 116 82238	5K1 1% 0,125W
2778	4822 121 42408	220nF 5% 63V	3875	4822 116 90536	120Ω 1% 0,125W
2780	4822 121 42408	220nF 5% 63V	3878	5322 111 90118	8k2 2% 0,25W
2791	4822 124 41525	100μF 20% 25V			
2861	4822 122 31644	2,2nF 10% 63V	5558	4822 158 10563	82μH
2875	4822 122 32482	22pF 5% 63V			
			6461	4822 130 30621	1N4148
3010	4822 111 90543	47k 2% 0,25W	6455	4822 130 81227	BZV55-F5V6
3011	4822 111 90249	10k 2% 0,25W	6462	4822 130 30621	1N4148
3013	4822 111 90573	56k 2% 0,25W	6617	5322 130 32962	BZV85-C6V2
3014	4822 111 90572	5k6 2% 0,25W	6622	4822 130 30621	IN4148
3015	4822 111 90163	jumper	6624	4822 130 30621	IN4148
3016	4822 111 90171	820Ω 2% 0,25W	6637	4822 130 34167	BZX79-F6V2
3028	4822 051 10102	1k 2% 0,25W	6659	4822 130 80887	BZV55-F36
3033	4822 051 10102	1k 2% 0,25W	6725	4822 130 80446	BAS32L
3090	4822 111 90415	2M 5% 0,25W	6848	4822 130 80905	BZV55-F5V1
3092	4822 111 90169	560k 2% 0,25W			
3093	4822 111 90182	390k 2% 0,25W	7020	4822 209 72746	TDA8341
3111	5322 111 90113	560Ω 2% 0,5W	7033	4822 130 61207	BC848
3307	4822 111 90163	jumper	7320	4822 130 61653	BC858AR
3317	4822 111 90163	jumper	VARIOUS PARTS		
3348	4822 111 90368	680K 2% 0,25W	6670	4822 212 23456	FUSE/THYR. PANEL
3370	4822 116 82237	6Ω 5% 0,5W	1670	4822 253 10064	FUSE T 400 mA
3463	4822 111 90249	10k 2% 0,25W			
3470	4822 116 52269	3k3 5% 0,5W			
3512	4822 111 90196	15k 2% 0,25W			
3514	4822 111 90196	15k 2% 0,25W			
3540	4822 116 52199	68Ω 5% 0,5W			
3558	4822 116 52094	33Ω 5% 0,5W			
3614	4822 116 52275	360k 5% 0,5W			
3621	4822 116 81156	220Ω 5% 2W			
3622	4822 116 81156	220Ω 5% 2W			
3644	4822 111 30593	3Ω 3 5% 0,33W			
3647	4822 050 11692	1K69 1% 0,4W			
3667	4822 116 52211	150Ω 5% 0,5W			

