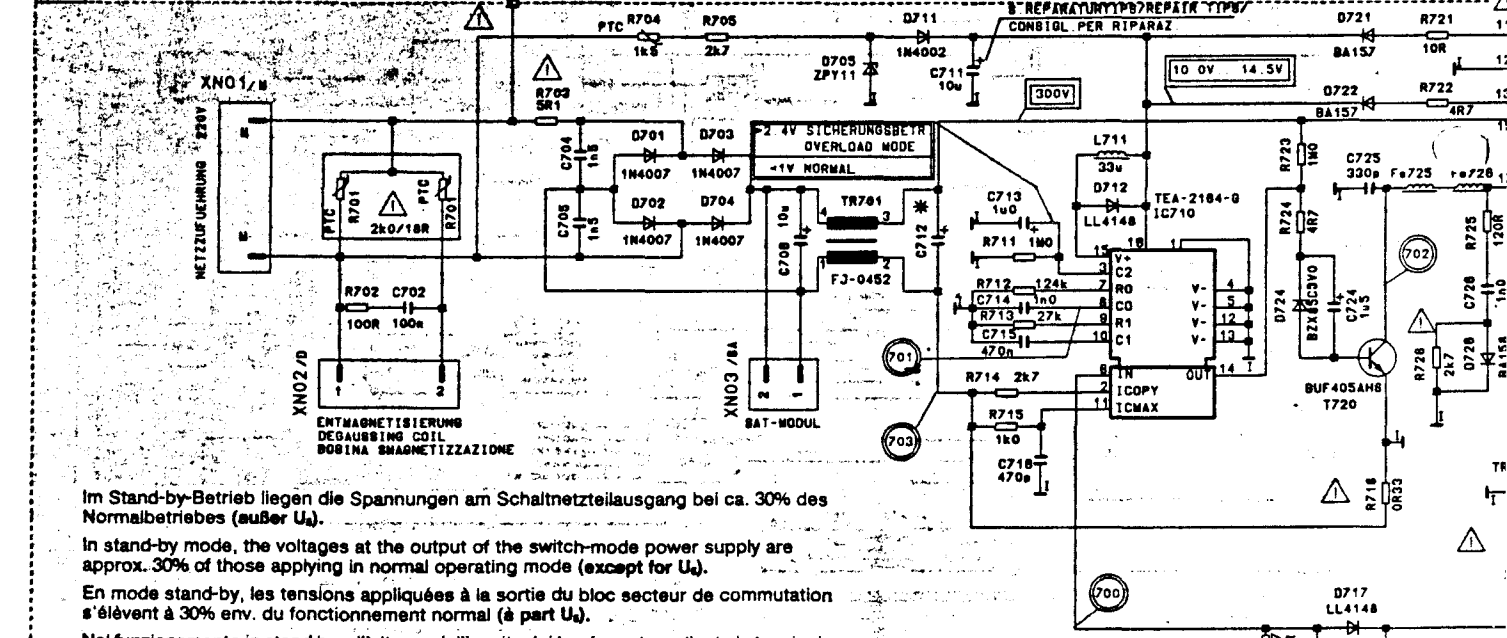


SCHALTNETZTEIL/SWITCH MODE/CIRCO. ALIMENTAZIONE

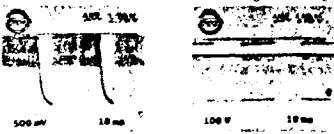


Im Stand-by-Betrieb liegen die Spannungen am Schaltnetzteilausgang bei ca. 30% des Normalbetriebes (außer U_d).
 In stand-by mode, the voltages at the output of the switch-mode power supply are approx. 30% of those applying in normal operating mode (except for U_d).
 En mode stand-by, les tensions appliquées à la sortie du bloc secteur de commutation s'élèvent à 30% env. du fonctionnement normal (à part U_d).
 Nel funzionamento in stand by, all'altezza dell'uscita del trasformatore di rete le tensioni sono il 30% ca. delle tensioni nel funzionamento normale (eccetto U_d).

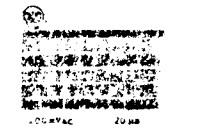
NETZVERBUNDEN/MAINS-CONNECTED/COLLEGATO ALLA RETE

Oszillogramm-Meßpunkt auf \dagger (Masse an IC 710 Pin 1 ect.) bezogen / Waveforms referenced to \dagger (earth on IC 710 Pin 1 ect.) /
 Tous les oscillogrammes se rapportent au \dagger (la masse IC 710 Pin 1) / Riferire tutti gli oscillogrammi al \dagger (alla massa IC 710 Pin 1)

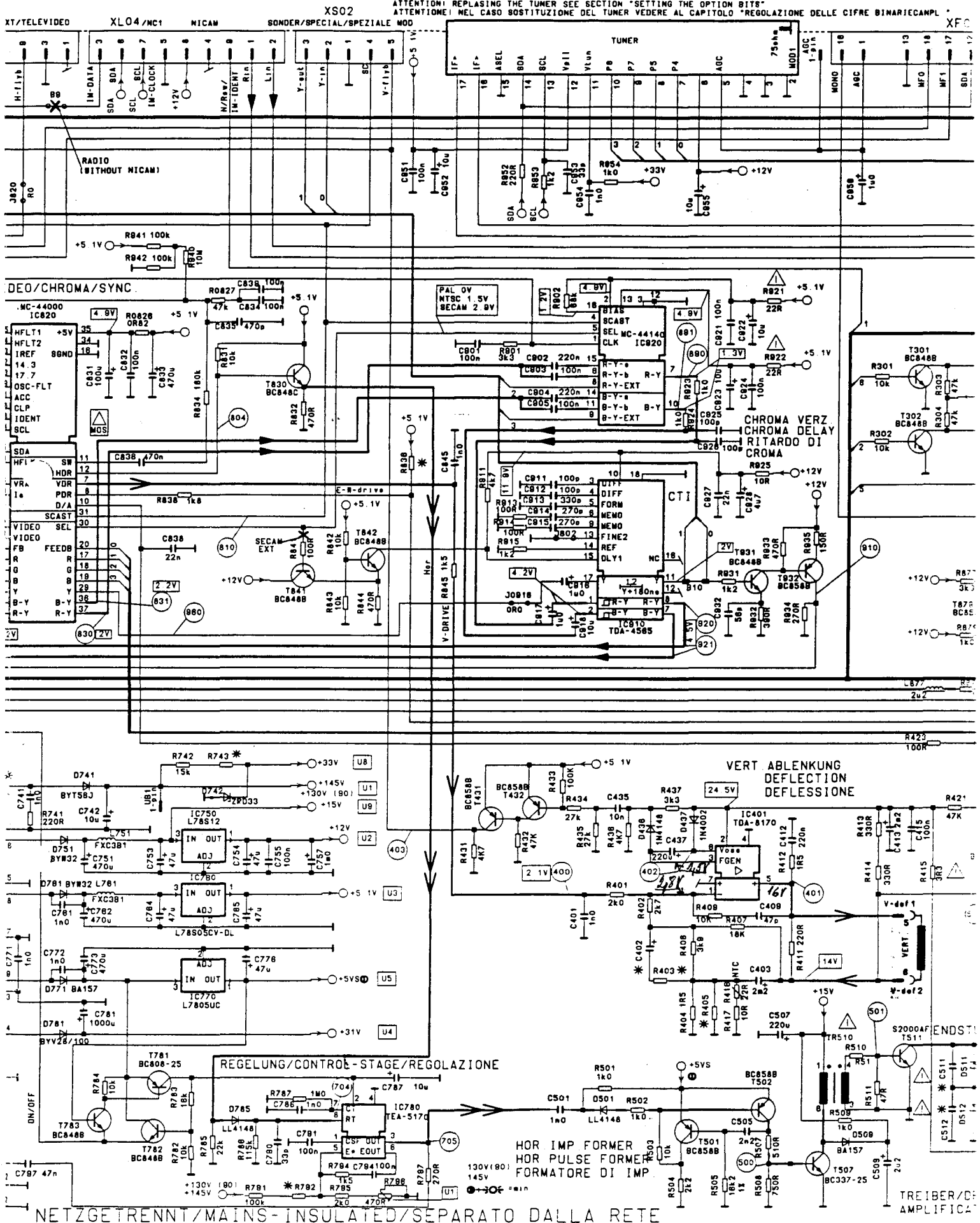
Oszillogramme bei Stand-by-Betrieb
 Waveforms at stand-by mode
 Oscillogrammes pour fonctionnement en stand-by
 Oscillogrammi in modo «stand-by»



Oszillogramme bei Normalbetrieb
 Wave forms at normal operation
 Oscillogrammes en mode de fonc. normal
 Oscillogrammi in presenza di esercizio normale

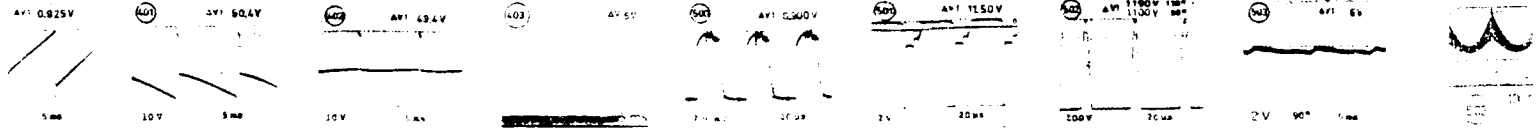


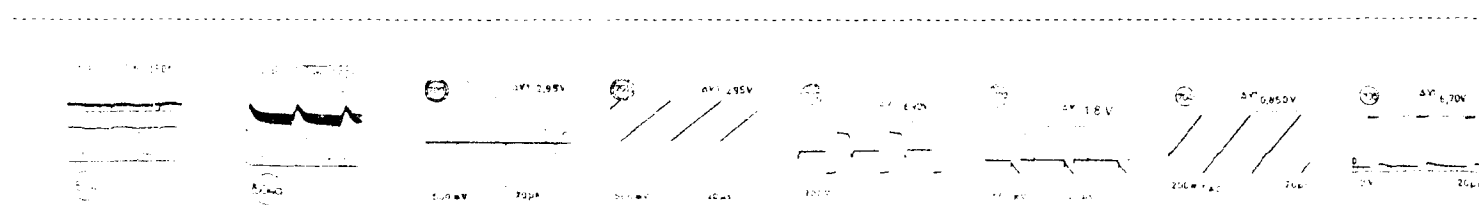
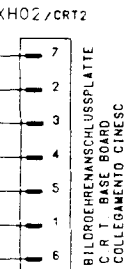
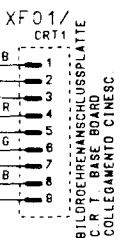
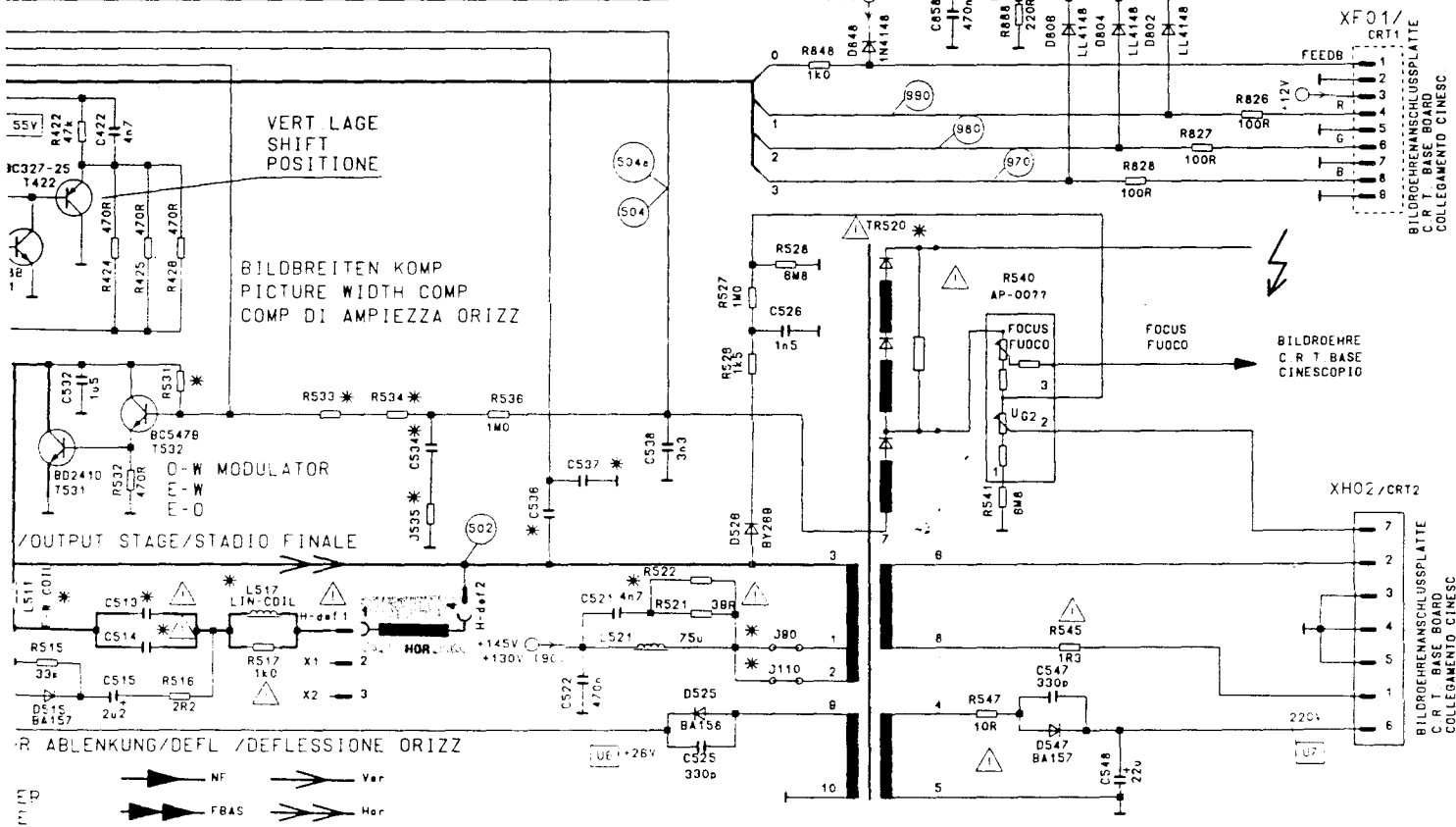
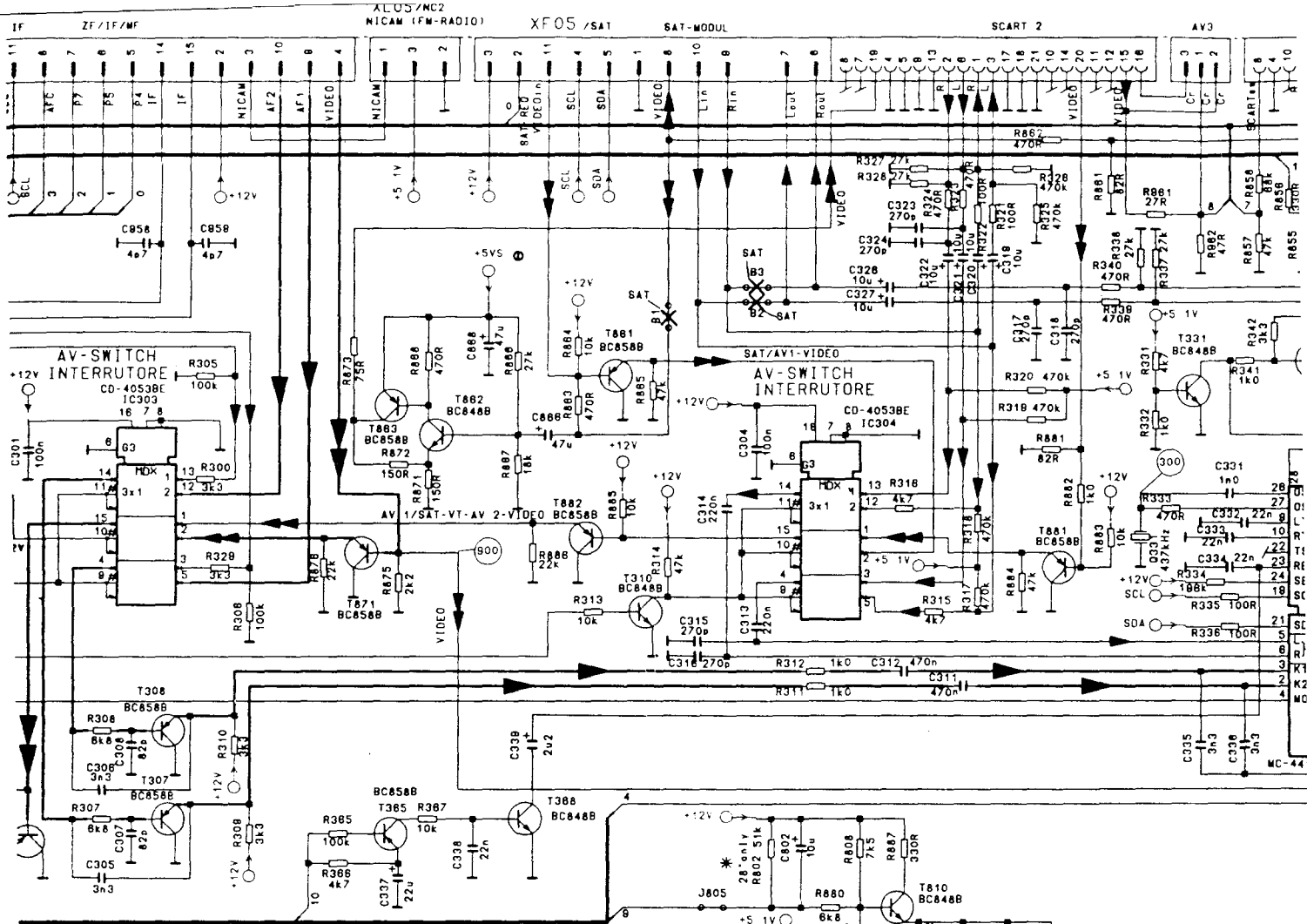
ACHTUNG! NACH TUNERAUSCH SIEME KAPITEL "SETZEN DER OPTIONSBITS"
ATTENTION! REPLACING THE TUNER SEE SECTION "SETTING THE OPTION BITS"
ATTENZIONE! NEL CASO SOSTITUZIONE DEL TUNER VEDERE AL CAPITOLO "REGOLAZIONE DELLE CIFRE BINARIE/CAMP"

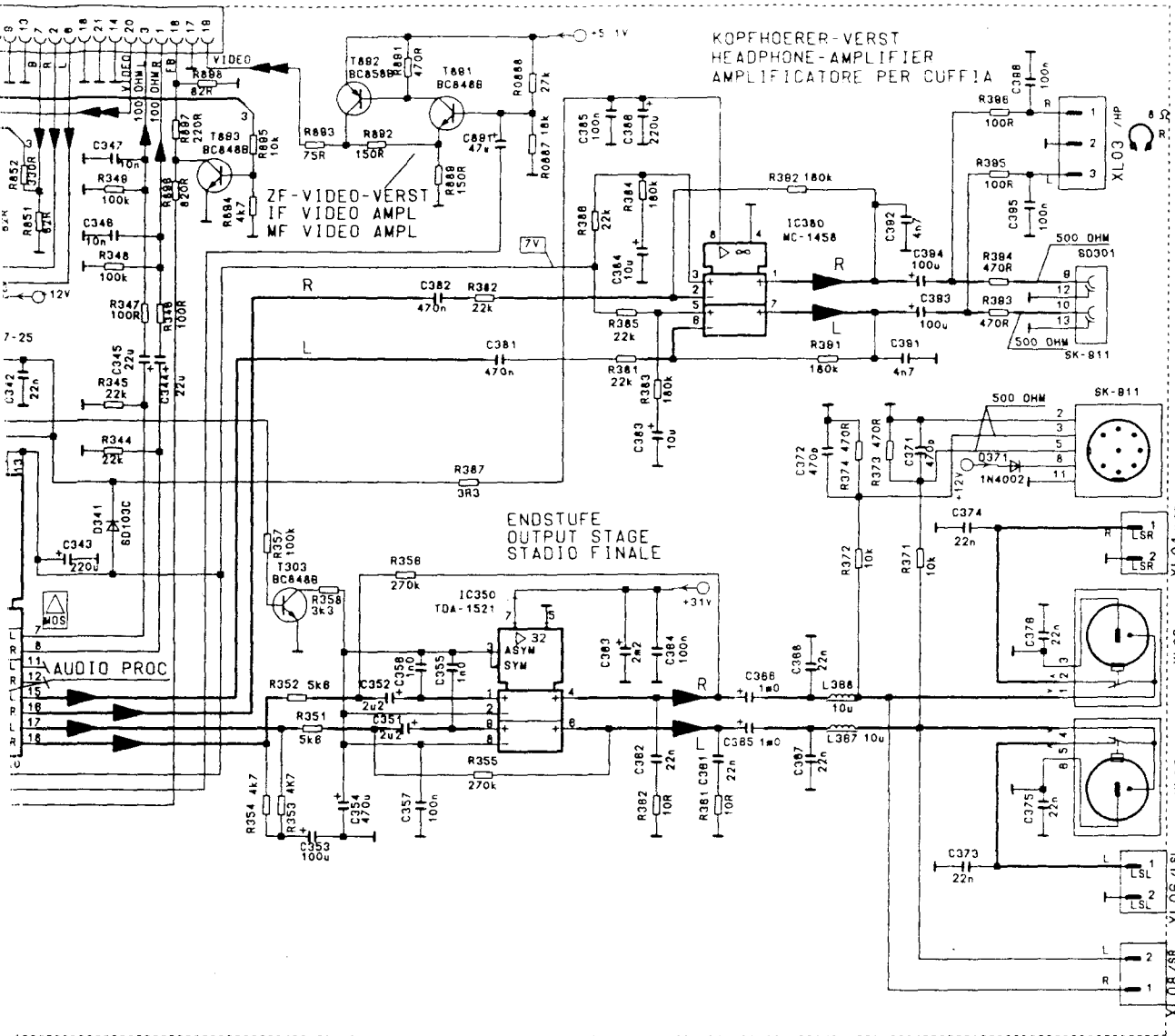


NETZGETRENNT/MAINS-INSULATED/SEPARATO DALLA RETE

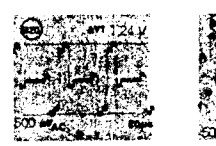
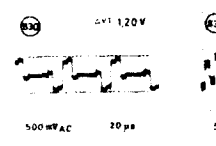
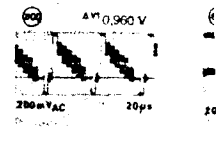
Messungen auf Schaltzeitteil-Minuspotential \ddagger bezogen / Measurements referenced to switch-mode power supply minus potential \ddagger
Toutes les mesures se rapportant au potentiel négatif du bloc-secteur de commutation \ddagger / Riferire tutte le misure a: potenziale negativo della sezione di rete \ddagger







Oscillogramme bei Normalbetrieb
Wave forms at normal operation
Oscillogrammes en mode de fonctionnement
Oscillogrammi in presenza di funzionamento
Oscilogramas en funcionamiento



Alle Decoderoszillogramme aufgenommen Normtarb Nennhelligkeit und nominal

The decoder waveforms at Standard PAL, contrast at saturation at nominal value

Bildröhrenan Connexion

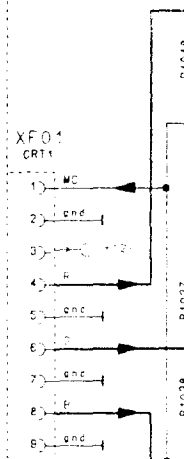
chtung!
Nach Austausch von T 720 muß auch C 710 ausgetauscht werden.
wichtig!
When exchanging T 720, IC 710 must likewise be exchanged.
Attention!
En changeant le T 720 il faut remplacer aussi le CI 710.
Attenzione!
Durante la sostituzione di T 720 deve essere sostituito anche IC 710.

difference 90 to 110

	version 4	version 6	version 3
	80°	110°	110°
	min	max	min
REF	2u2	3u3	4u7
C402	6n8	8n2	9n1
C511	47n	27n	24n
C512	180n	180n	180n
C513	180n	120n	120n
C514	180n	120n	120n
C534	-	-	150p
C536	1n5	1n5	1n2
C537	150n	120n	150n
C712	150u	220u	220u
J535	-	-	YES
R403	2k2	1k0	1k0
R405	6R2	1R2	2R2
R522	220R	-	220R
R527	1M0	2M0	2M0
R531	75k	220k	220k
R533	0R0135331	2M7	2M7
R534	0R0135341	1M0	1M0
R743	0R0137431	2K2	2K2
R782	43k	58k	58k
R802	-	51k	-
R836	56k	33k	33k
TRE22	M10-D2	M10-D*	M10-D4
J80	YES	-	-
J110	-	YES	YES
U1	130V	145V	145V
U-Hv	28kV	28kV	26kV

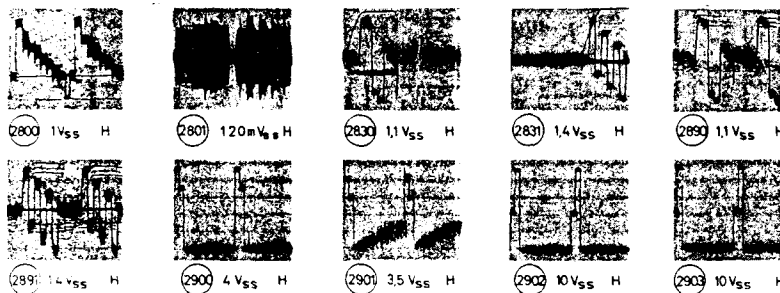
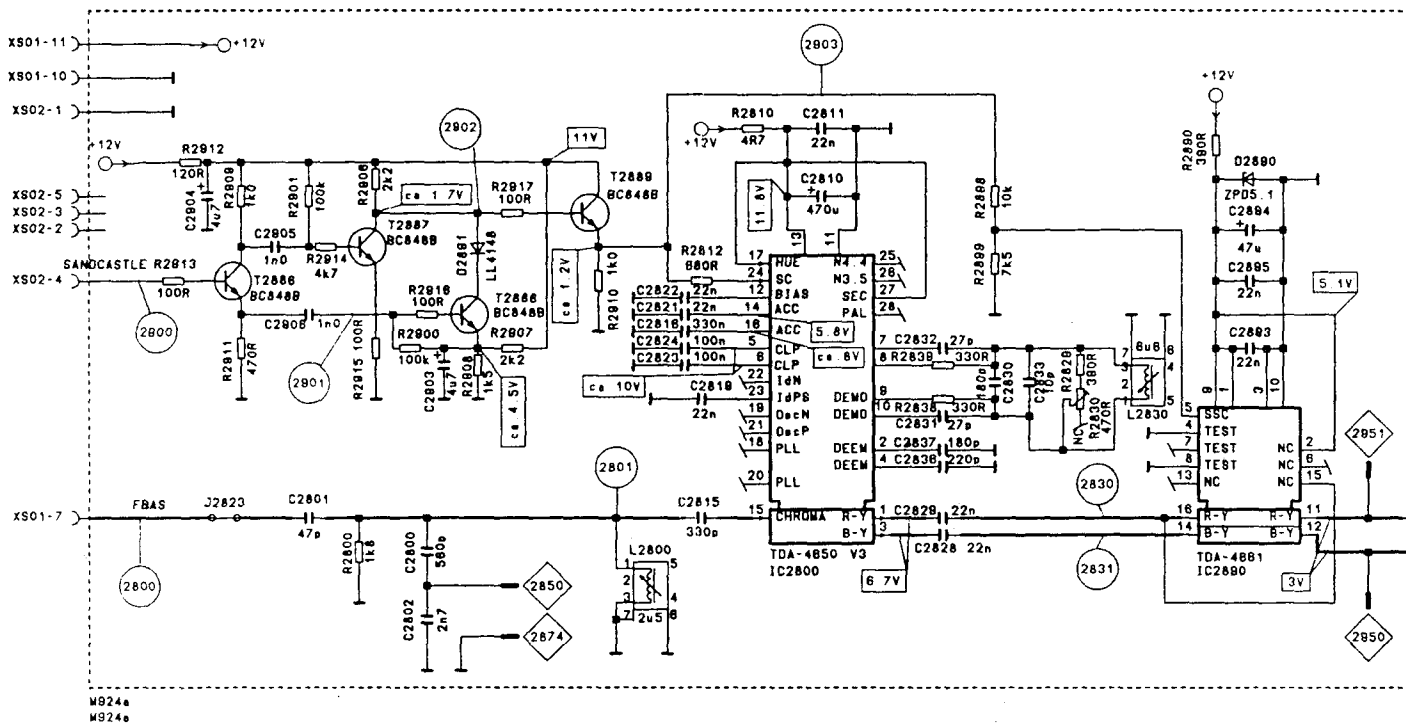
same values different part-nos possible

LS17	4516120F	4516120S	4516120E
LS18	4517249F	4517249S	4517260A
TR74C	4520158F	4520158S	4520158C



SECAM-Modul

5853 40 10



(NN)	6911 08 78
(MN)	6911 08 79
△	3151 45 16
△	3151 45 02
△	3151 26 21

SECAM-Modul		5853 40 10
IC 2800	TDA 4650 V3/V4	3765 13 80
IC 2890	TDA 4661	3765 13 81

- D**
- Glockenfilter:** SECAM Farbbalkensignal. Oszillograf an TP 2850. Zwei Zeilen übereinanderschreiben. L 2800 so abgleichen, daß die Amplituden beider Zeilen bei Schwarz gleich sind.
 - SECAM-Diskriminator:** SECAM-Farbbalkensignal. Oszillograf an TP 2950 (auf Chassis). R 2830 so einstellen, daß der Schwarzpegel deckungsgleich auf dem Austastpegel liegt. Oszillograf an TP 2951 (auf Chassis). R 2830 so einstellen, daß der Schwarzpegel deckungsgleich auf dem Austastpegel liegt. Abgleich ggf. wiederholen.

- GB**
- Bell filter**
SECAM coloured bar-pattern signal. Scope to testing point TP 2850. Write two lines above each other. Balance L2800 so as to ensure that the amplitude of black, white and the frequency zero passage are equal.
 - SECAM discriminator (PAL SECAM decoder)**
SECAM coloured bar-pattern signal. Scope to testing point TP 2950 (chassis). Set L 2830 so as to ensure that the black level is coincident on the blackout level (chassis). Set R 2830 so as to ensure that the black level is coincident on the blackout level. If necessary, repeat balancing procedure.

- F**
- Filtre cloche**
Signal de barre couleur SECAM. SCOPE sur TP 2850. Ecrire deux lignes superposées. Equilibrer L 2800 de sorte que les amplitudes des deux lignes soient égales au cours du passage de fréquence zéro.
 - Discriminateur SECAM (decodateur PAL/SECAM)**
Signal de barre couleur SECAM. SCOPE sur TP 2950 (chassis). Régler L 2830 de sorte que le niveau du noir soient en convergence avec le niveau de suppression. Régler R 2830 de sorte que le niveau du noir soient en convergence avec le niveau de suppression. Répéter l'équilibrage si nécessaire.

- I**
- Filtro a campana**
Segnale a barra colorata SECAM. Scope su TP 2850. Scrivere una sopra l'altra due linee di scansione. Regolare L 2800 in modo tale che le ampiezze delle due linee siano uguali durante il passaggio per lo zero della frequenza.
 - Discriminatore SECAM (Decodificatore PAL/SECAM)**
Segnale a barra colorata SECAM. Scope su TP 2950 (chassis). Regolare L 2830 in modo tale che il livello del nero coincida sul livello di cancellazione. Regolare R 2830 in modo tale che il livello del nero coincida sul livello di cancellazione. Se necessario, ripetere l'operazione di bilanciamento.



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7163 SAT

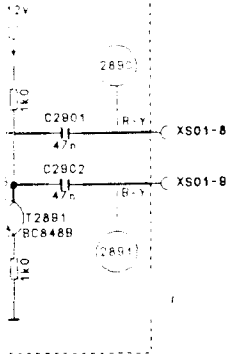
Bildröhrenanschlußplatte / C.R.T. board
Connexion tube image / Collegamento cinescopio

Eurostereo

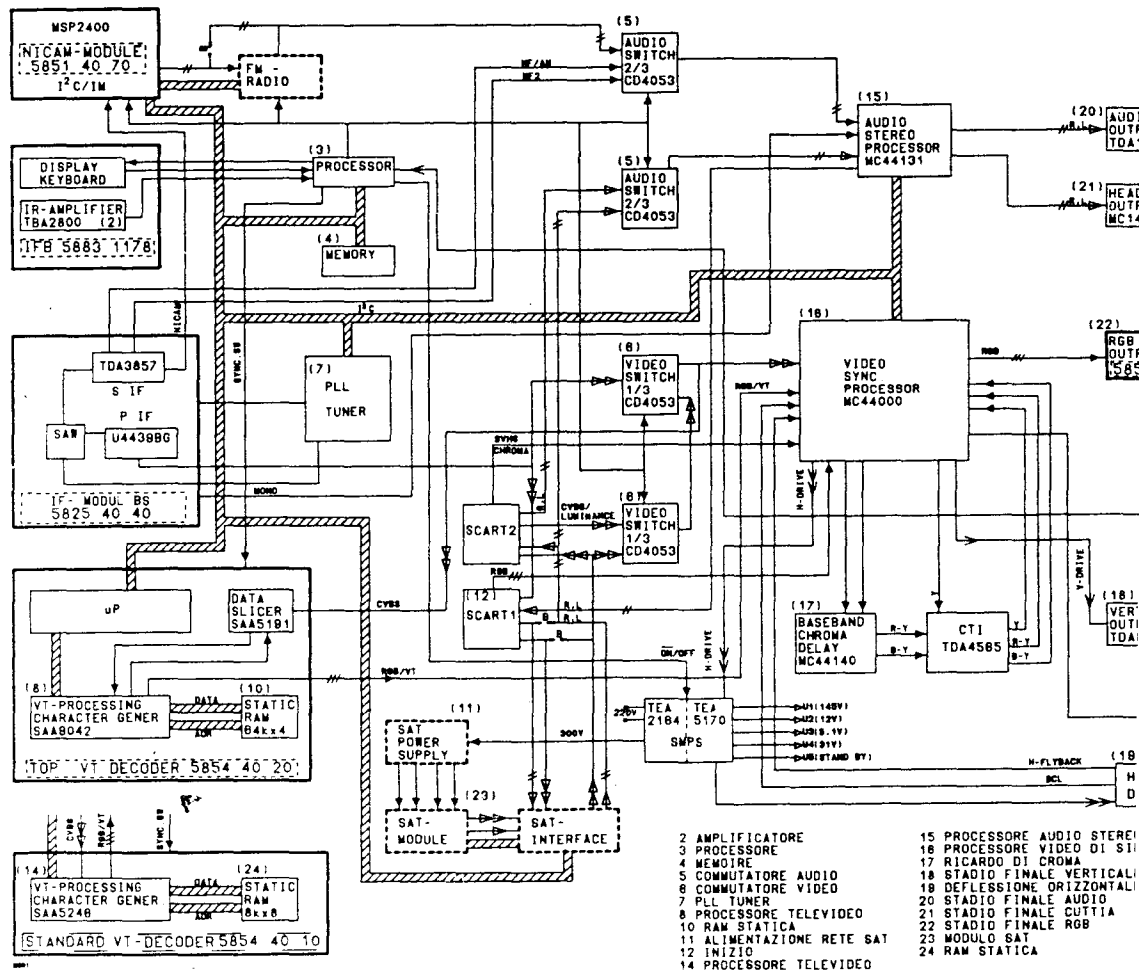
6911 08 78 / 6911 08 79

SECAM-Modul

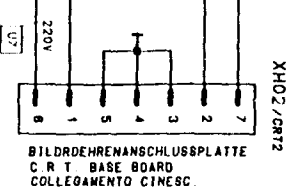
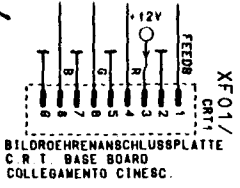
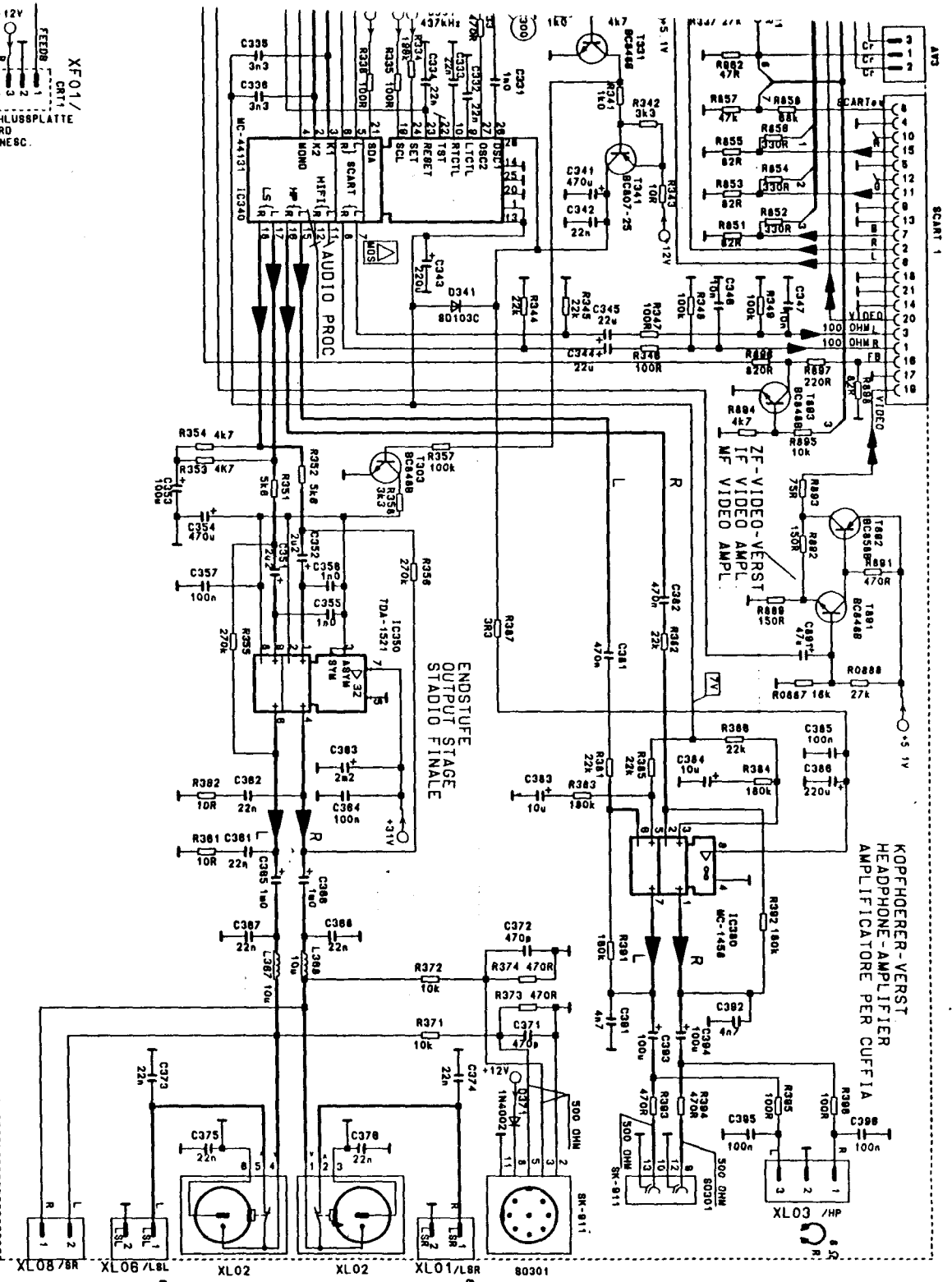
5853 40 10



Blockschaltbild, Eurostereo Chassis
Block diagram
Synoptique modulaire
Schemi a blocchi



- | | |
|---------------------------|----------------------------|
| 2 AMPLIFICATORE | 15 PROCESSORE AUDIO STEREO |
| 3 PROCESSORE | 16 PROCESSORE VIDEO DI SIN |
| 4 MEMOIRE | 17 RICARDO DI CROMA |
| 5 COMMUTATORE AUDIO | 18 STADIO FINALE VERTICALI |
| 6 COMMUTATORE VIDEO | 19 DEFLESSIONE ORIZZONTALI |
| 7 PLL TUNER | 20 STADIO FINALE AUDIO |
| 8 PROCESSORE TELEVIDEO | 21 STADIO FINALE CUTTIA |
| 9 RAM STATICA | 22 MODULO SAT |
| 10 ALIMENTAZIONE RETE SAT | 23 MODULO SAT |
| 11 INIZIO | 24 RAM STATICA |
| 14 PROCESSORE TELEVIDEO | |



Achtung!
 Nach Austausch von T 720 muß auch IC 710 ausgetauscht werden.

Important!
 When exchanging T 720, IC 710 must likewise be exchanged.

Attenzione!
 En changeant le T 720 il faut remplacer aussi le CI 710.

Attenzione!
 Durante la sostituzione di T 720 deve essere sostituito anche IC 710.

difference 90 to 110

version 4, version 8, version 3

	90°	110°	110°
* REF	Intensität	Intensität	21. MN
C402	2u2	3u3	4u7
C511	8u6	8u2	8u1
C512	47u	27u	24u
C513	180u	180u	180u
C514	180u	120u	120u
C534	1u5	1u5	1u2
C537	150u	120u	150u
C712	150u	220u	220u
C835	YES	YES	YES
R403	2k2	1k0	1k0
R405	6R2	1R2	2R2
R522	220R	220R	220R
R537	1u0	2u0	2u0
R531	75u	220u	220u
R533	OR01J3331	2u7	2u7
R534	OR01J5941	1u0	1u0
R743	OR01J7431	2k2	2k2
R782	43k	50k	58k
R802	5Rk	51k	51k
R836	5Rk	33k	33k
T820	MI0-02	MI0-01	MI0-04
J80	YES	YES	YES
J10	YES	YES	YES
U1	190V	145V	145V
U-HV	28kV	28kV	28kV

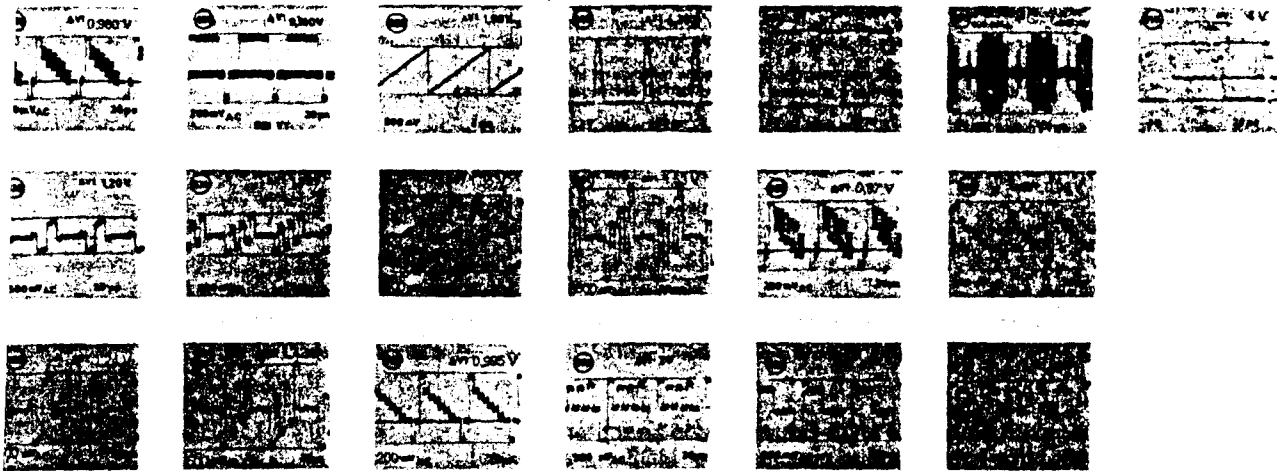
same value, different part-nos possible

LS17	45181208	45181205	45181208
LS11	45172482	45172481	45172804
TR24C	45231583	45231580	45231580

M:NISPLITT

Oscillogrammi nei normali modi di lavoro e in forma di normale operazione.
 Oscillogrammi in modo di lavoro normale.
 Oscillogrammi in presenza di esercizio normale.
 Oscillogrammi in funzionamento normale.

Attenzione! L'oscilloscopio deve essere collegato vicino al componente da misurare.
 Attention! La massa de l'oscilloscope doit être raccordée à proximité du module devant être mesuré.
 La massa dell'oscilloscopio deve essere collegata vicino al componente da misurare.



Alle Decoderoszillogramme sind unter folgenden Bedingungen aufgenommen: Normfarbbalken PAL, maximaler Kontrast, ca. Nennhelligkeit und nominale Sättigung.
 The decoder waveforms are taken under following conditions: Standard PAL, contrast at maximum and brightness and colour saturation at nominale value.

Tous les oscillogrammes mesurés sur le décodeur sont pris sous les conditions suivantes: Norme de mire de barre PAL, contrast au maximum, luminosité et intensité couleur aux valeurs nominales.
 Tutti gli oscillogrammi decoder sono stati fatti nelle seguenti condizioni: generatore di barre PAL, massimo contrasto, approssimativamente luminosità e saturazione normali.

Bildröhrenanschluß / C.R.T. base board
Connexion tube image / Collegamento cinescopio

6911 08 78 (NN)
 6911 08 79 (MN)

