



Schaltbild
Circuit
Diagram
Schema

Sach-Nr./Part No.
72010-940.73

Zusätzlich erforderliche
Unterlagen:

Additionally required
Service Manuals:

Documentazioni
aggiuntive
necessarie:

Service
Manual

Sicherheit
Safety

Sach-Nr./Part No.
72010-800.00

Ⓟ Btx * 32700 #

CUC 6360

ST 70-800 TOP/LOG

(9.21515-01 / G.CD 4775)



Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Sach-Nummer 7201 0-800.00, sowie zusätzlich eventuell abweichende, landesspezifische Vorschriften!

The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 72010-800.00, as well as the respective national deviations.

Valgono le prescrizioni e note di sicurezza secondo il Manuale di Servizio "Norme di sicurezza" numero d'ordine 7201 0-800.00, così pure le eventuali disposizioni specifiche vigenti nel singolo stato!

Weitere chassisbezogene Informationen entnehmen Sie bitte dem zugehörigen Service Manual.

For more detailed information on the chassis, please see the appropriate Service Manual.

Ulteriori informazioni a seconda della chassis. Le rilevazioni per favore dal relativo Manuale di Servizio.

Inhaltsverzeichnis

Table of Contents

Sommario

	Seite		Page		Pagina
Abgleich	2	Alignment	3	Taratura	4
Schaltpläne	5-20	Circuit Diagram	5-20	Schema	5-20
Bedieneinheit 29501-082.39	5	Control Unit 29501-082.39	5	Unità di Comando 29501-082.39	5
Oszillogramme Chassis	6	Oscillograms Chassis	6	Oscillogrammi Telaio	6
Gesamtschaltplan	7	General Circuit Diagram	7	Schema Completo	7
ZF-Verstärker 29504-i 02.56	11	IF Amplifier 29504-102.56	11	Amplificatore FI 29504-102.56.. .	11
Farb-Dec. Sync. 29504-l 05.67 12	12	Colour Dec. Sync. 29504-l 05.67	12	Dec. Colore Sincr. 29504-l 05.67.....	12
Abstimm-Textbaustein 29504-103.87	15	Tuning Text Module 29504-103.87	15	Mod.Sintonia Televideo 29504-103.87	15
Abstimm-Textbaustein 29504-003.81	17	Tuning Text Module 29504-003.81	17	Mod.Sintonia Televideo 29504-003.81	17
Tuner 29504-201.21	19	Tuner 29504-201.21	19	Tuner 29504-201.21	19
Bildrohrplatte 29305-022.44 20	20	CRT Panel 29305-022.44	20	Piastra Cinescopio 29305-022.44	20

Alignment

All adjustment controls not mentioned in this description are adjusted during production and must not be re-adjusted in the case of repairs.

Service Adjustments

1. Tuner AGC

After replacement or repair of the IF Amplifier or tuner check the delayed Automatic Gain Control voltage and re-adjust if necessary.

2. White balance

After replacement of the CRT, replacement or repair of the CRT panel, check the **white balance** and re-adjust if necessary.

3. Adjustment of the screen grid voltage U_{sg}

After replacement of the CRT, replacement or repair of the CRT panel check the screen grid voltage and re-adjust if necessary.

4. Adjustment of the diode modulator stage

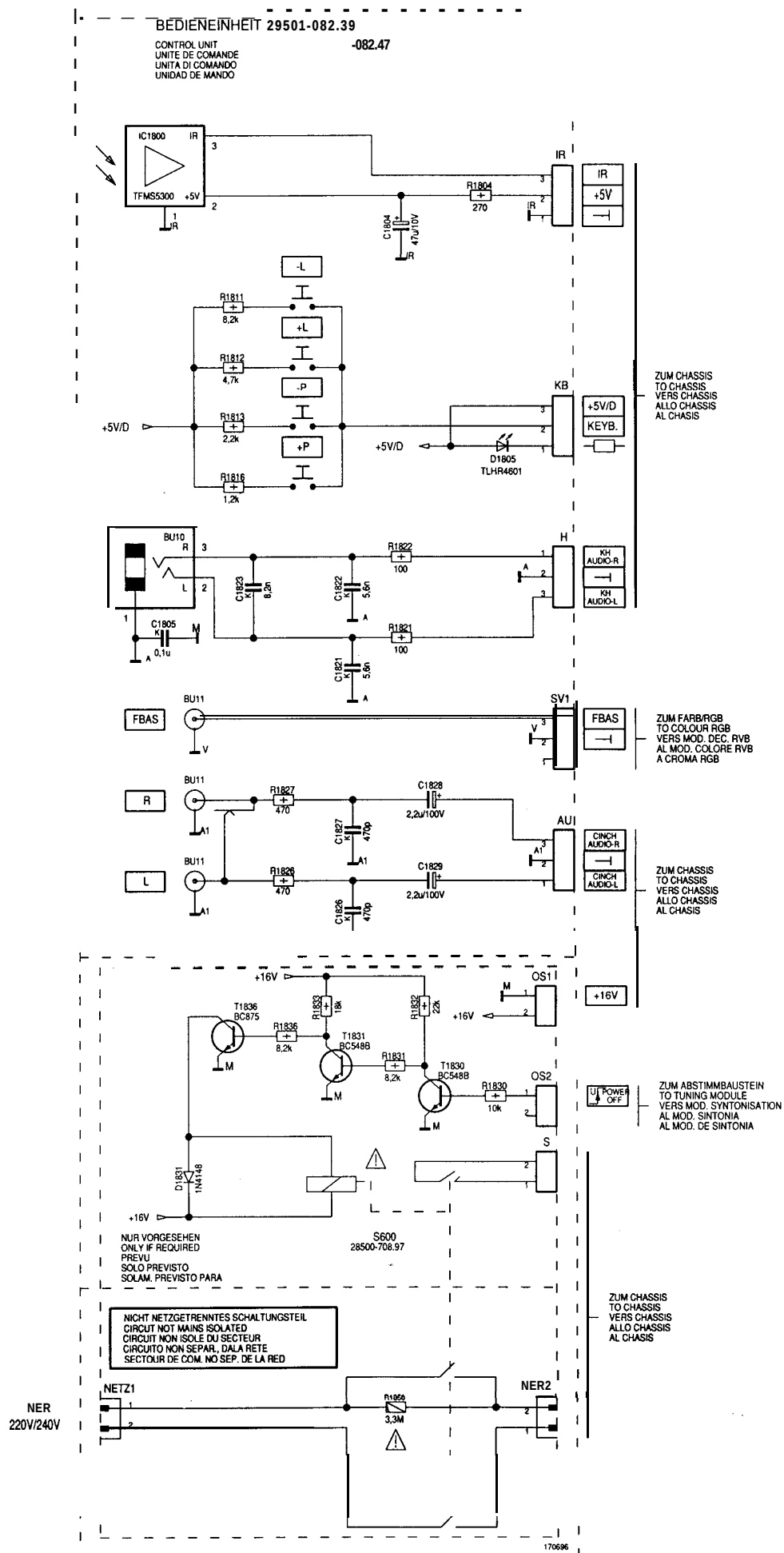
Only necessary in the case of inappropriate changes in the horizontal deflection.

5. Geometry alignment

After replacement or repair of the tuning module check the picture geometry via the menu and correct the settings if necessary.

Alignment	Preparations	Alignment Process
1. Tuner-AGC	Feed in a standard test pattern at channel 60 (UHF); RF=1.5mV (64dBμV) . Call up the "Tuner-AGC" menu via the Service Programme "Info Center" → "Special Functions" → "Service" → "Code Number 8500".	With the ◀▶ buttons, tune the TV station that noise just begins to appear in the picture. Then tune in the reverse direction until the picture just becomes noise free. Store with "OK".
2. White balance	Call up the "White Balance" menu via the Service Programme "Info Center" → "Special Functions" → "Service" → "Code Number 8500".	With ◀▶ set the VG and VB values (amplification green and blue) so that the white rectangular area in the middle of the picture becomes achromatic. Store with "OK".
3. Screen grid voltage U_{sg}	Feed in a test pattern. With the remote control adjust the screen brightness so that the grey areas just become dark. Switch the TV receiver to AV operation. Connect a high-ohmicvoltmeter (series resistance approx. 220kΩ) to the test points R, G, B and determine the maximum voltage.	With the control U_{sg} on the picture tube panel set the maximum voltage level to 165V.
4. Diode modulator stage	The bridge coil L511 is correctly adjusted during production and should not be re-adjusted any more. Call up the "Geometry" menu via the Service Programme → "Info Center" → "Special Functions" → "Service" → "Code Number 8500". Set the horizontal amplitude to minimum. Oscilloscope channel 1: Collector T568. Oscilloscope channel 2: Katode D502.	Adjust the coil L511 so that both oscillograms have the same pulse width. Re-adjust the horizontal amplitude according to the test pattern.
5. Geometry adjustment	Feed in the test pattern. Call up the "Geometry Adjustment" menu via the Service Programme "Info Center" → "Special Functions" → "Service" → "Code Number 8500".	Check the geometry via the menu and correct the data according to the test pattern.

Bedieneinheit / Control Unit / Unita di Comando



Gesamtschaltplan / General Circuit Diagram / Schema Completo

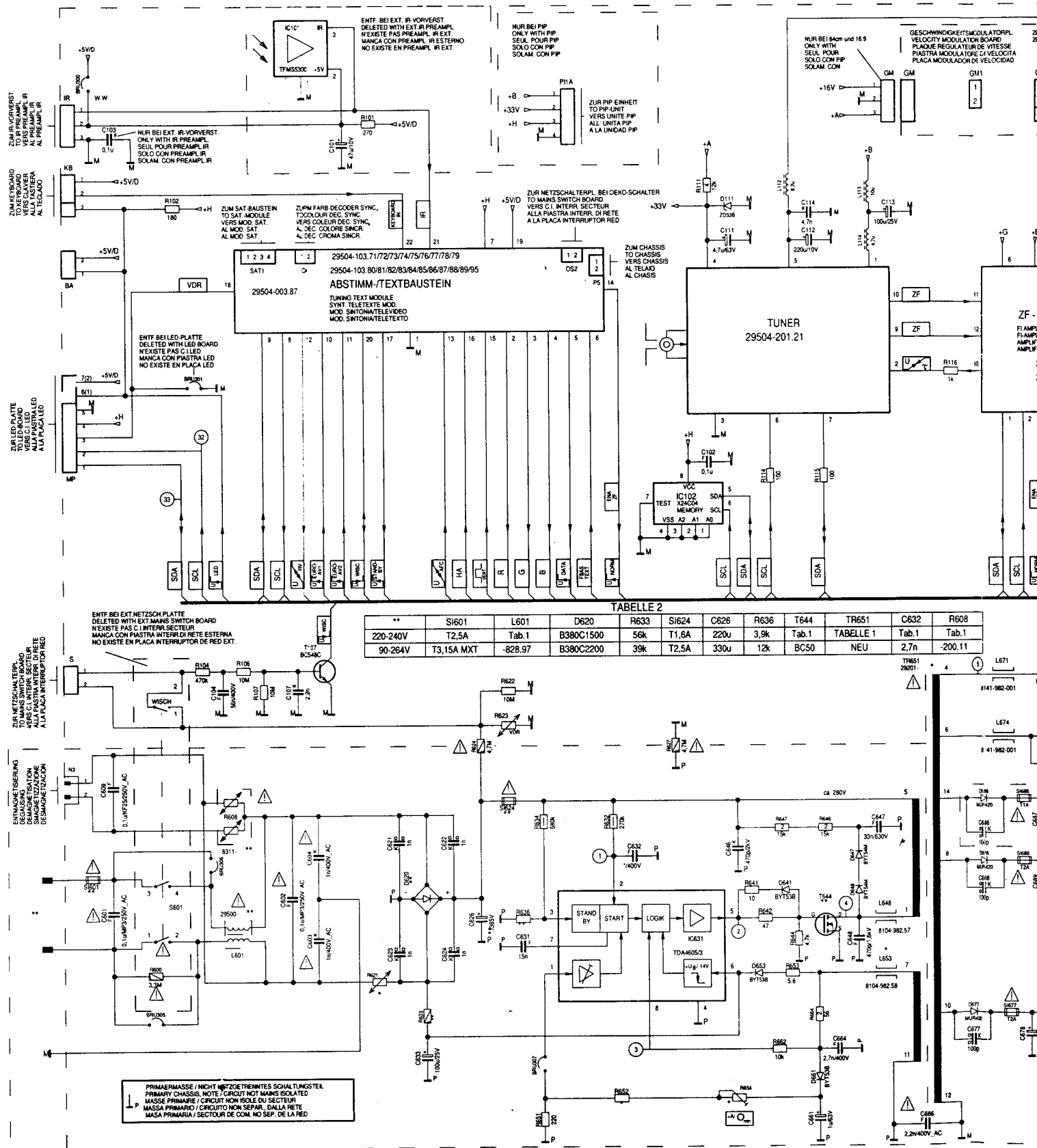
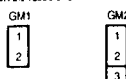


TABELLE 2									
L601	D620	R633	Si624	C626	R636	T644	TR651	C632	R608
Tab.1	B380C1500	56k	T1,6A	220u	3,9k	Tab.1	TABELLE 1	Tab.1	Tab.1
-828.97	B380C2200	39k	T2,5A	330u	12k	BC50	NEU	2,7n	-200.11



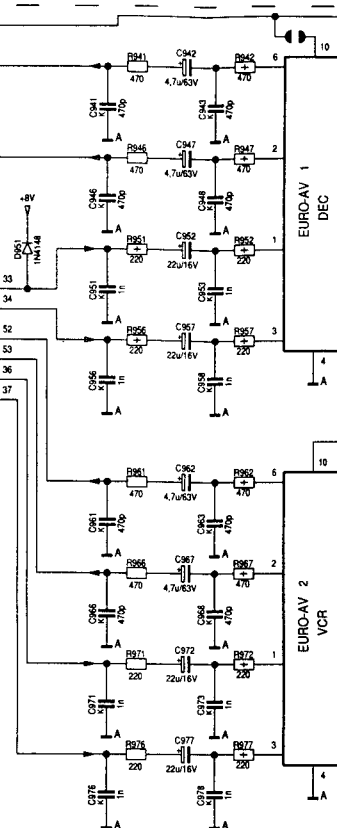
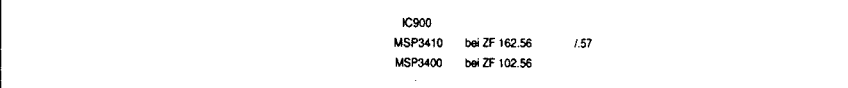
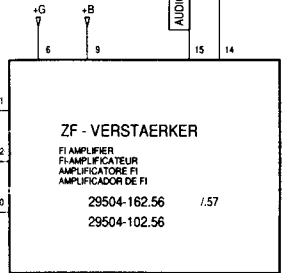
SCHWINGUNGSMODULATORPL.
MODULATION BOARD
CART. REGULATEUR DE VITESSE
VELOCITY MODULATOR BOARD
CART. MODULADOR DE VELOCIDAD



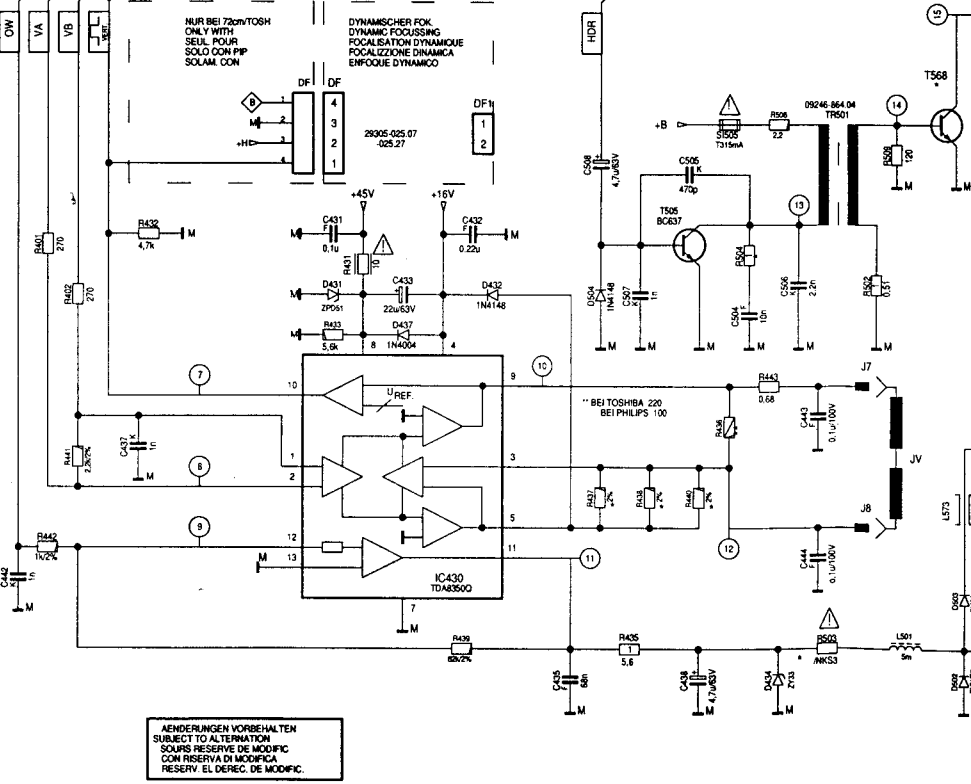
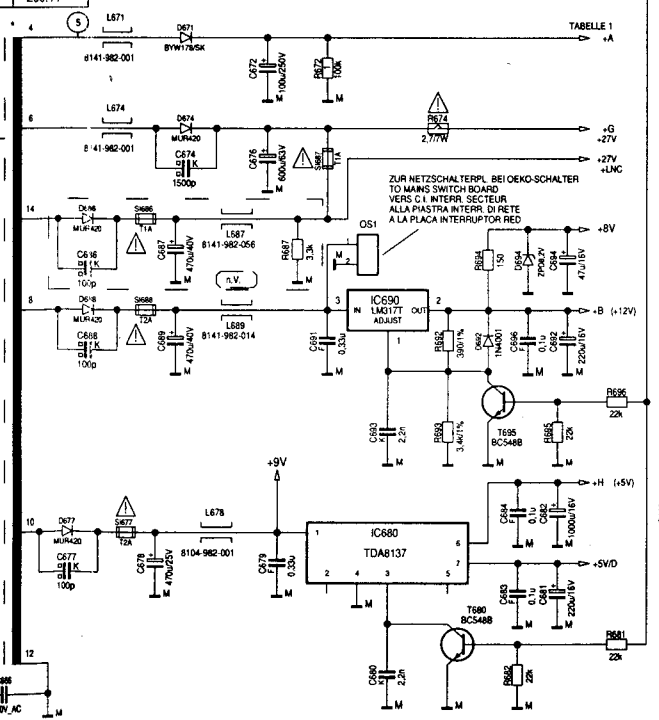
29305-108 05 (bei 84cm, 70cm 15.9)
29305-108 06 (bei 61cm 15.9)

29305-108 05 (bei 84cm, 70cm 15.9)
29305-108 06 (bei 61cm 15.9)

ZUM ABST. BAUSTEIN
TO TUNING MODULE
VERS. MOD. DE SYNTONISATION
AL MOD. DI SINTONIA
AL MOD. DE SINTONIA



R608
Tab.1
-200.11



ÄNDERUNGEN VORBEHALTEN
SUBJECT TO ALTERATION
SOUIS RESERVE DE MODIFIC
CON RISERVA DI MODIFICA
RESERV. EL DERECH. DE MODIFIC.

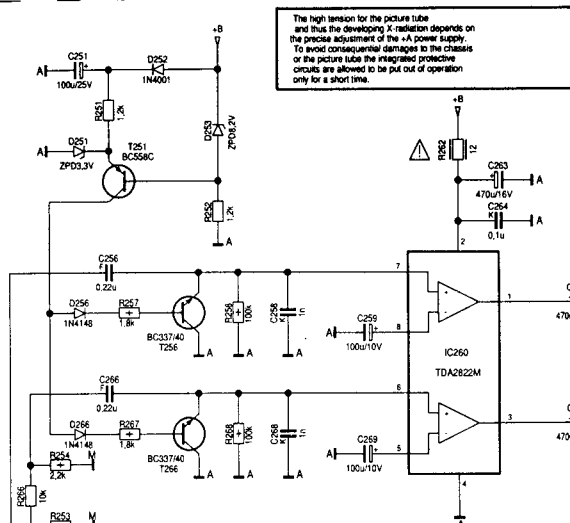
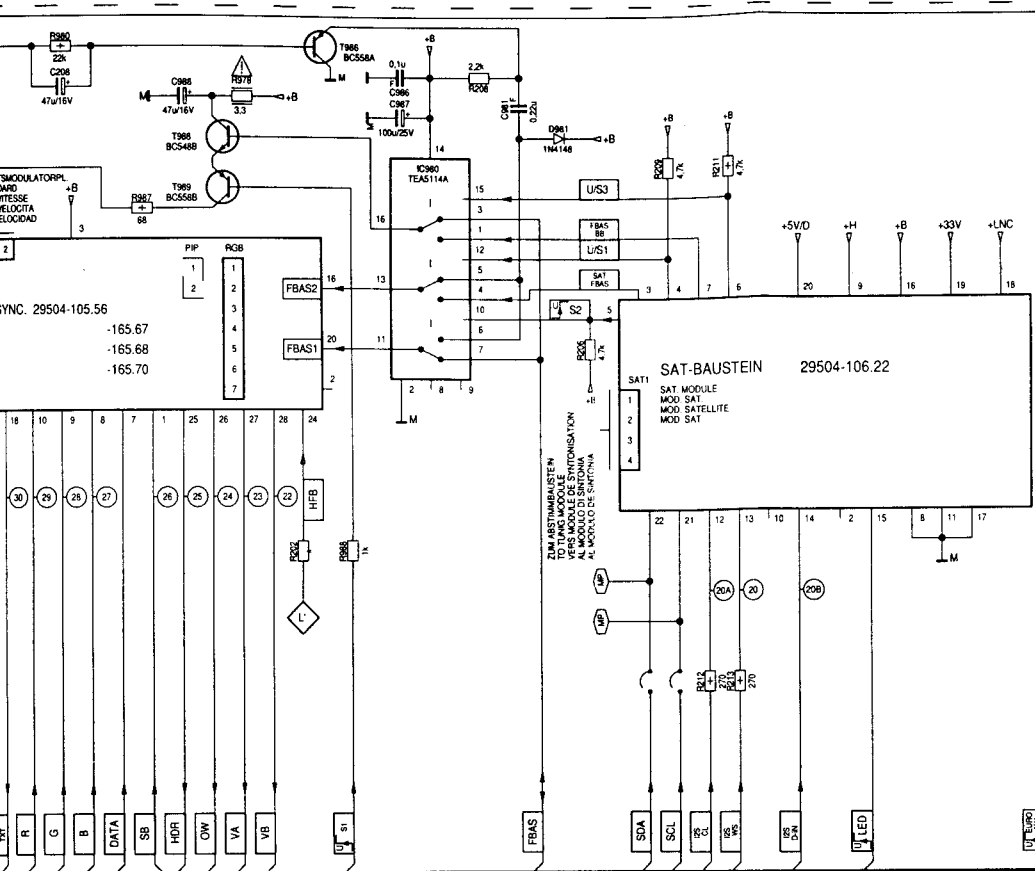
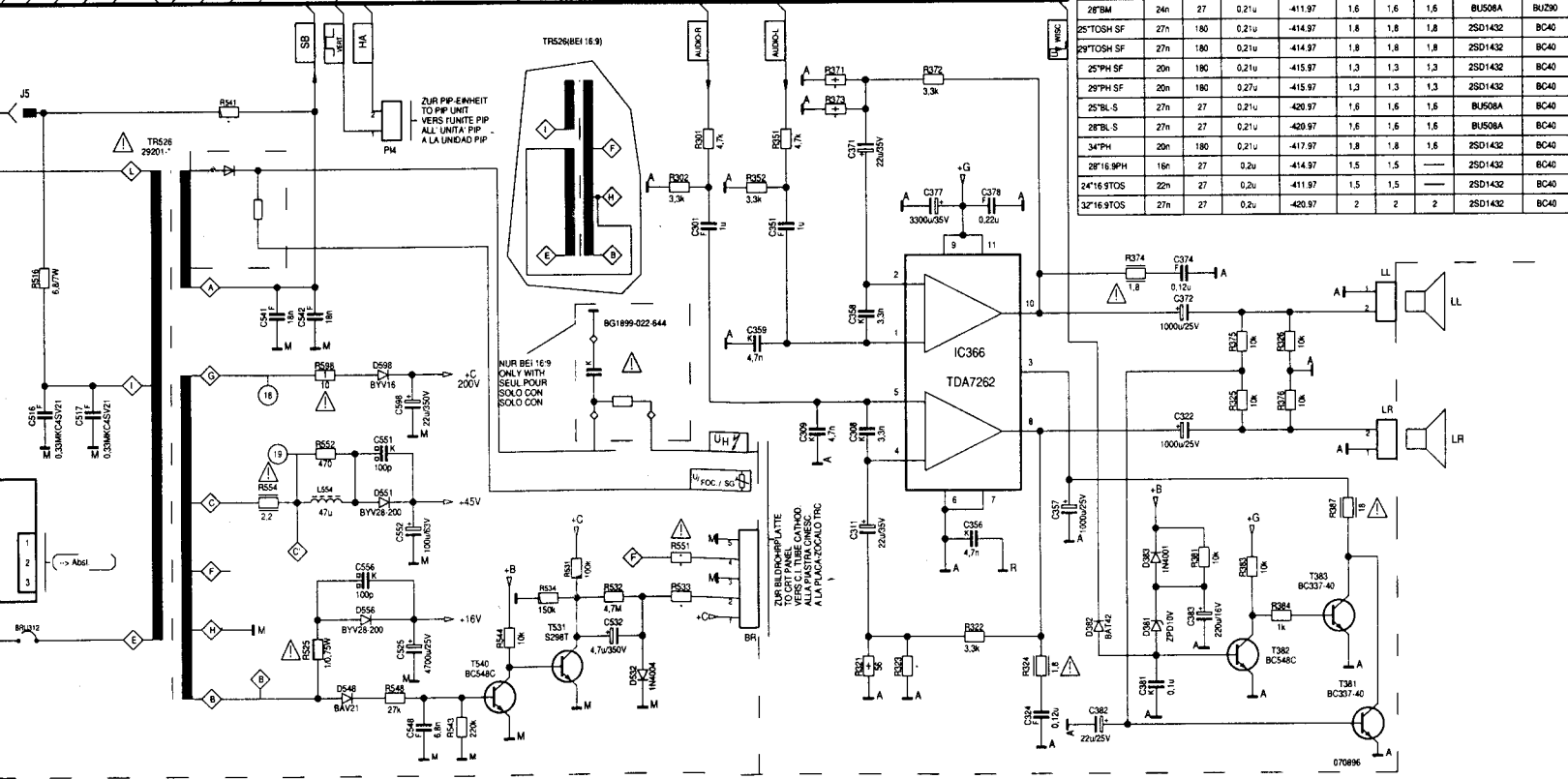
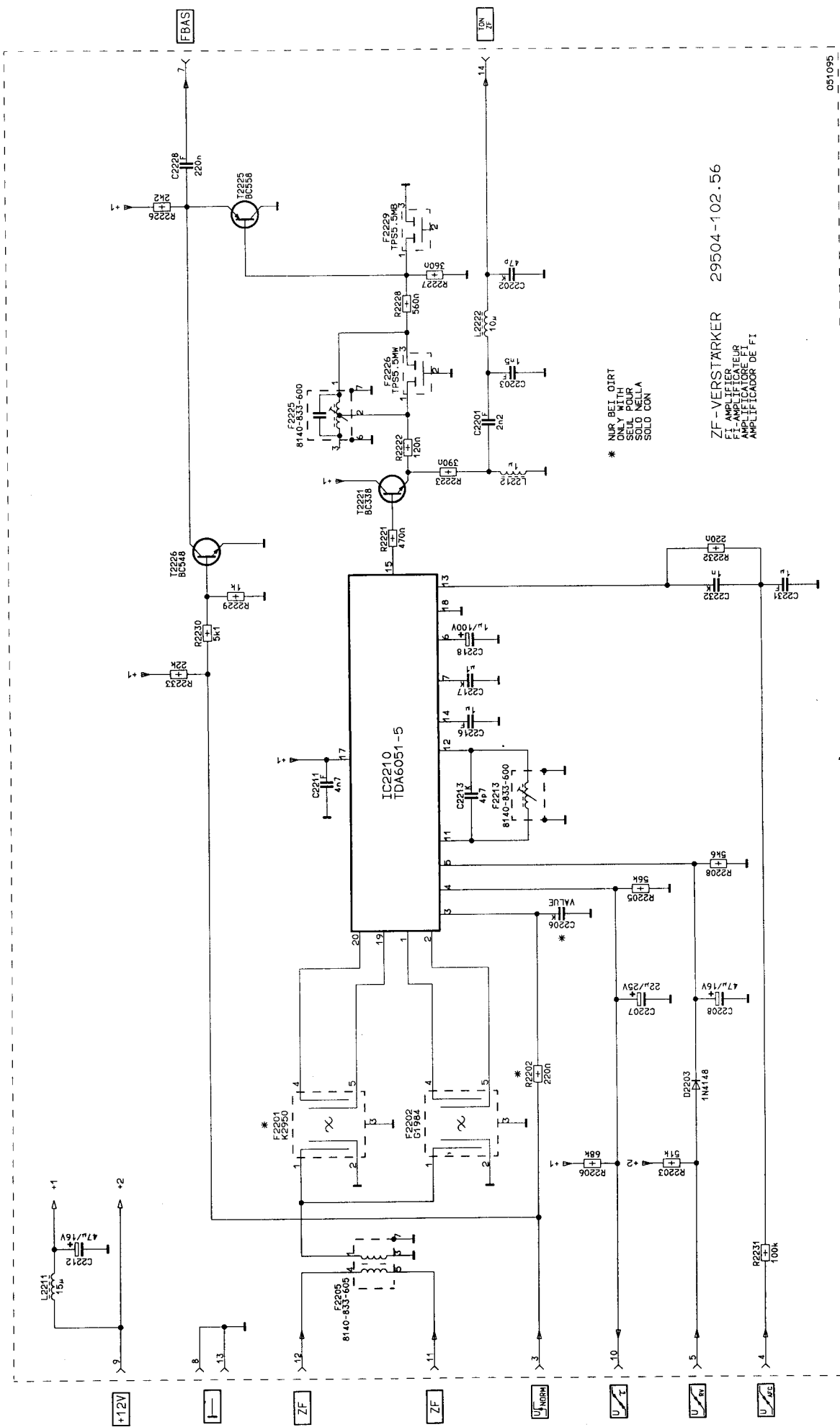


TABELLE 1

	CUC	TR526	16S3	C503	L511	C511	L520
25"BM	6360	-029.52	16S3	U68AKP10	846.51	9nFKP1	110.95
28"BM	6360	-029.52	16S3	U68AKP10	846.51	9nFKP1	110.95
25"TO5H SF	6365	-029.58	16S3	U68AKP10	846...	12.5nFKP1	110...
29"TO5H SF	6365	-029.58	16S3	U68AKP10	846.25	12nFKP1	118.95
25"PH SF	6365	-029.59	16S3	U68AKP10	846.21	14nFKP1	124.95
29"PH SF	6365	-029.59	16S3	U68AKP10	846.21	14nFKP1	124.95
25"BL-S	6361	-029.57	16S3	U68AKP10	846.51	10nFKP1	110.95
28"BL-S	6361	-029.57	16S3	U68AKP10	846.51	10nFKP1	110.95
34"PH	6360	-029.60	16S3	U68AKP10	846.56	11.5nFKP1	118.95
28"16.9PH	6369	-029.63	16S3	1.2uMKP4	846.56	13.5nFKP1	110.95
24"16.9TOS	6368	-029.62	16S3	U68AKP10	846.51	12nFKP1	118.95
32"16.9TOS	6368	-029.64	16S3	U68AKP10	846.54	12nFKP1	118.95



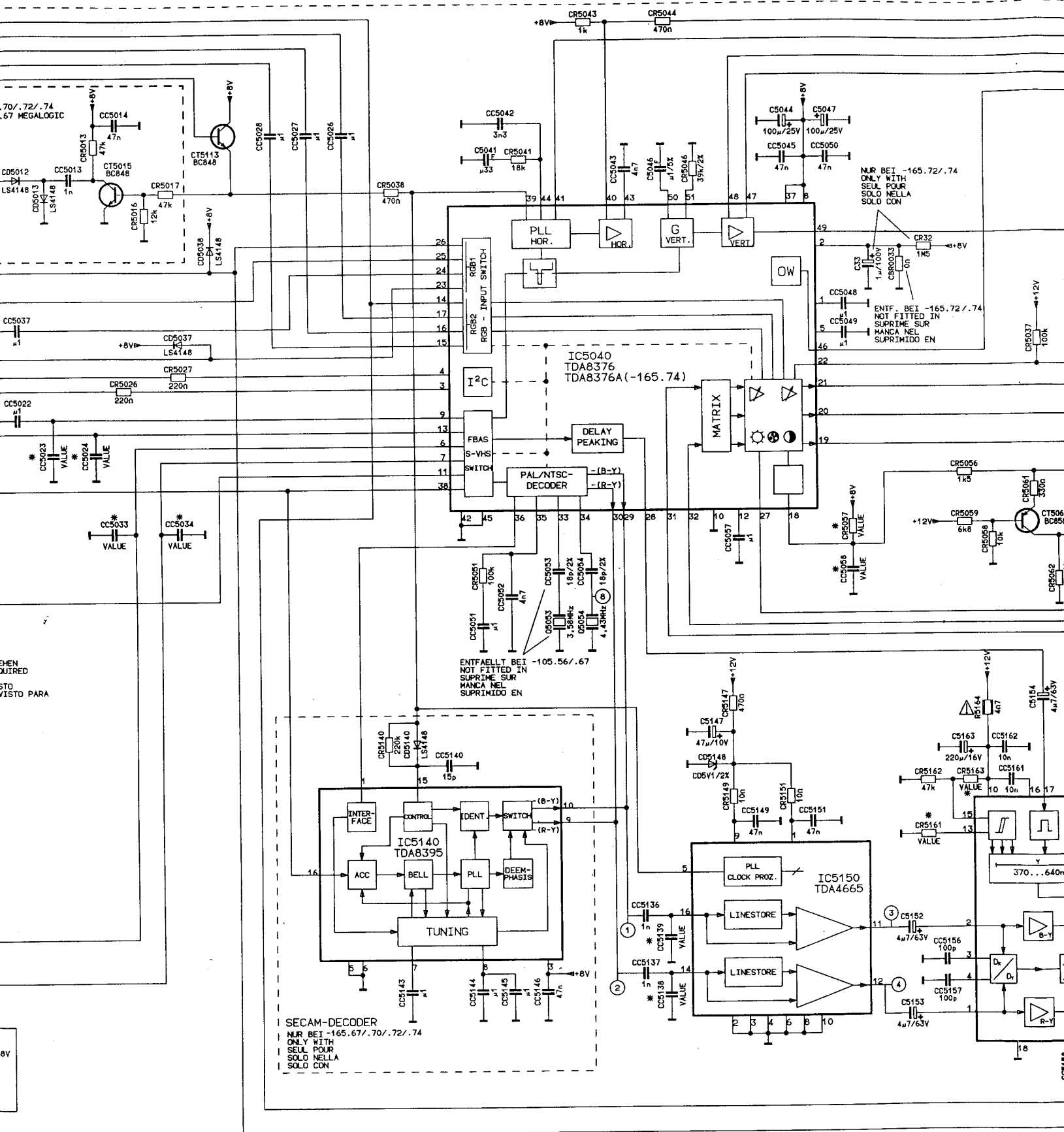
ZF-Verstärker / IF Amplifier / Amplificatore FI



70/.72/.74
67 MEGALOGIC

WHEN
REQUIRED
STO
VISTO PARA

8V



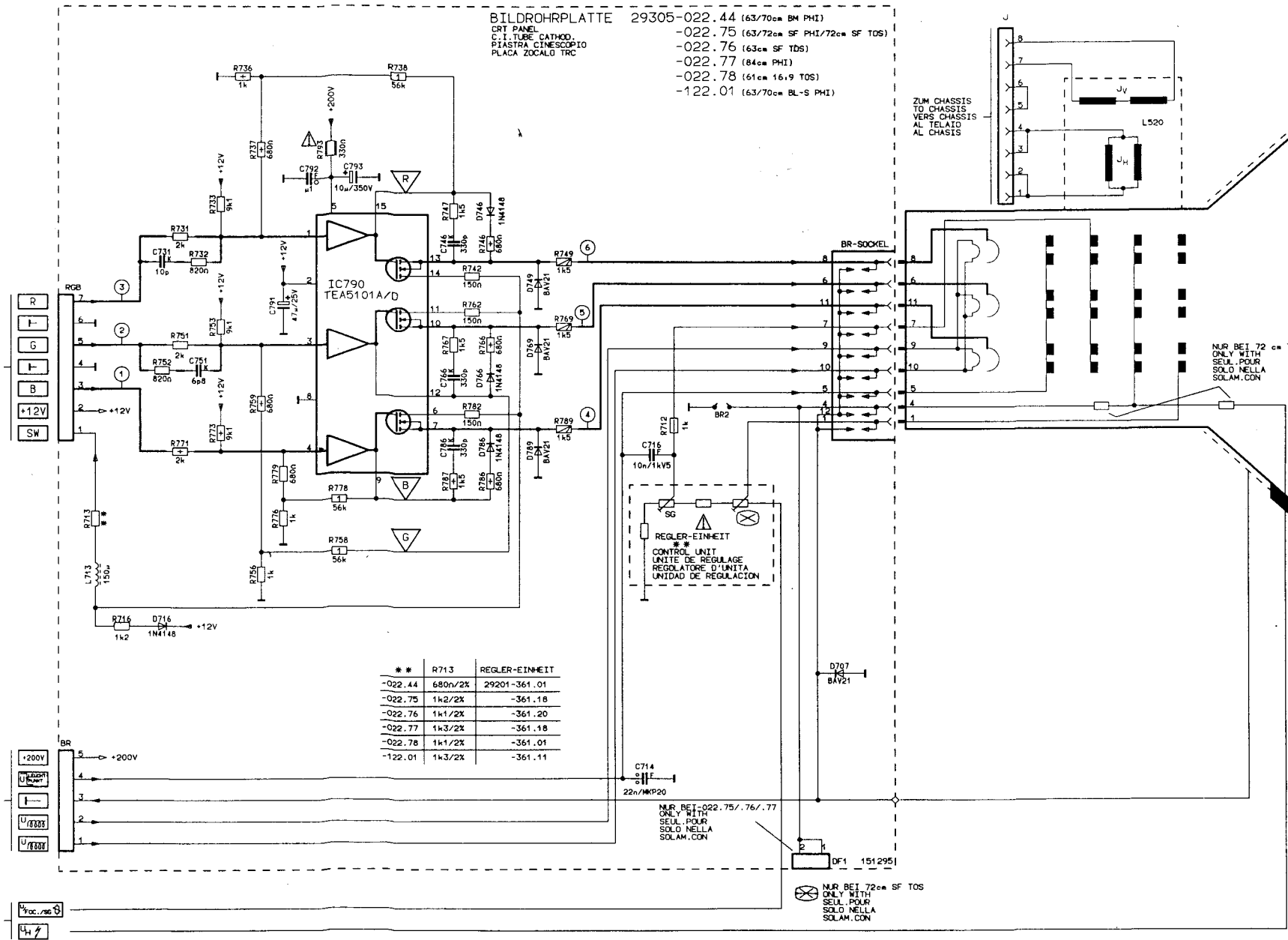
BILDROHRPLATTE 29305-022.44 (63/70cm BM PHI)
 CRT PANEL
 C.I. TUBE CATHOD.
 PIASTRA CINESCOPIO
 PLACA ZOCALO TRC

-022.75 (63/72cm SF PHI/72cm SF TOS)
 -022.76 (63cm SF TDS)
 -022.77 (64cm PHI)
 -022.78 (61cm 16,9 TOS)
 -122.01 (63/70cm BL-S PHI)

ZUM FARB-RGB
 TO COLOUR RGB
 VERS CHASSIS
 AL TELAIATO
 AL CRONA/RGB

ZUM CHASSIS
 TO CHASSIS
 VERS CHASSIS
 AL TELAIATO
 AL CHASIS

ZUM ZEILENTRAFO
 TO LINE TRANSFORMER
 VERS TRANSFORMANT
 AL TRANSFORM. DE LINES



**	R713	REGLER-EINHEIT
-022.44	680n/2X	29201-361.01
-022.75	1k2/2X	-361.18
-022.76	1k1/2X	-361.20
-022.77	1k3/2X	-361.18
-022.78	1k1/2X	-361.01
-122.01	1k3/2X	-361.11

ZUM CHASSIS
 TO CHASSIS
 VERS CHASSIS
 AL TELAIATO
 AL CHASIS

NUR BEI 72 cm TOS.
 ONLY WITH
 SEUL POUR
 SOLO NELLA
 SOLAM.COM

NUR BEI 72cm SF TOS
 ONLY WITH
 SEUL POUR
 SOLO NELLA
 SOLAM.COM

110°