

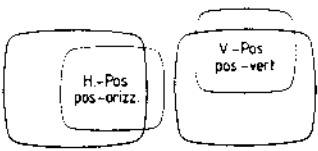
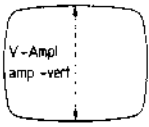

# TELEFUNKEN SERVICE

FERNSEHEN  
TELEVISION  
TÉLÉVISION

Chassis 318 B

Bestell-Nr. 319 801 004

## Service-Einstellungen · Regolazioni di servizio · Service adjustments · Réglages de service

<b>1</b> Chassis · Telaio · Chassis			
<b>Hauptspannung, Tensione principale, Principal voltage, Tension principale</b> } U <sub>system</sub> 1. ⚙ min. 2. PP 01 → 101 V ± 1 V (25 cm) PP 01 → 104 V ± 1 V (37 cm);		PL 04                      PL 05 	<b>UG2 Schirmgitterspannung - tensione griglia schermo - screen grid voltage</b> 1. HF-Testbild m. schw. Bildinhalt · HF imagine di controllo con contenuto dell'immagine nero · IF-testpattern w. bl. pict. content 2. ⚙ + ⚙ — standard 3. UG2 → max 4. Osci. → Coll. TT 52/62/72 5. Mit UG2 Coll. m. höchster Spg. - 145 V (Schwarzsulter) · con UG2 coll. con il massimo della tensione → 145 V (spalla hera) · adjust the coll. (porch) with the highest voltage → 145 V by UG2
<b>H. Frequ., Frequ. orizz.</b> 1. MT 01 →                      2. PL 02 MT 02 →			
PL 03 	<b>PC 01 PAL-Phase · Fase PAL</b> 1. Oscilloscop. →  R-Y 2. Oscilloscop.: 2 Zeilen triggern · trig. 2 linea · trigger to 2 lines 3. PC 01 → min. jitter	<b>10</b> <b>Bildröhrenplatte · piastra cinescopio · CRT-board</b> <b>Weißabgleich · aggiustamento bianco · white adjustment</b> 1. Grautreppe einsp. · introdurre la scala grigia · feed in grey stage pattern 2. PT 50/PT 70 wechselweise · alternativo · alternating · Bild auf min. Farbstich · colore a livello minimo · to min. color shade	

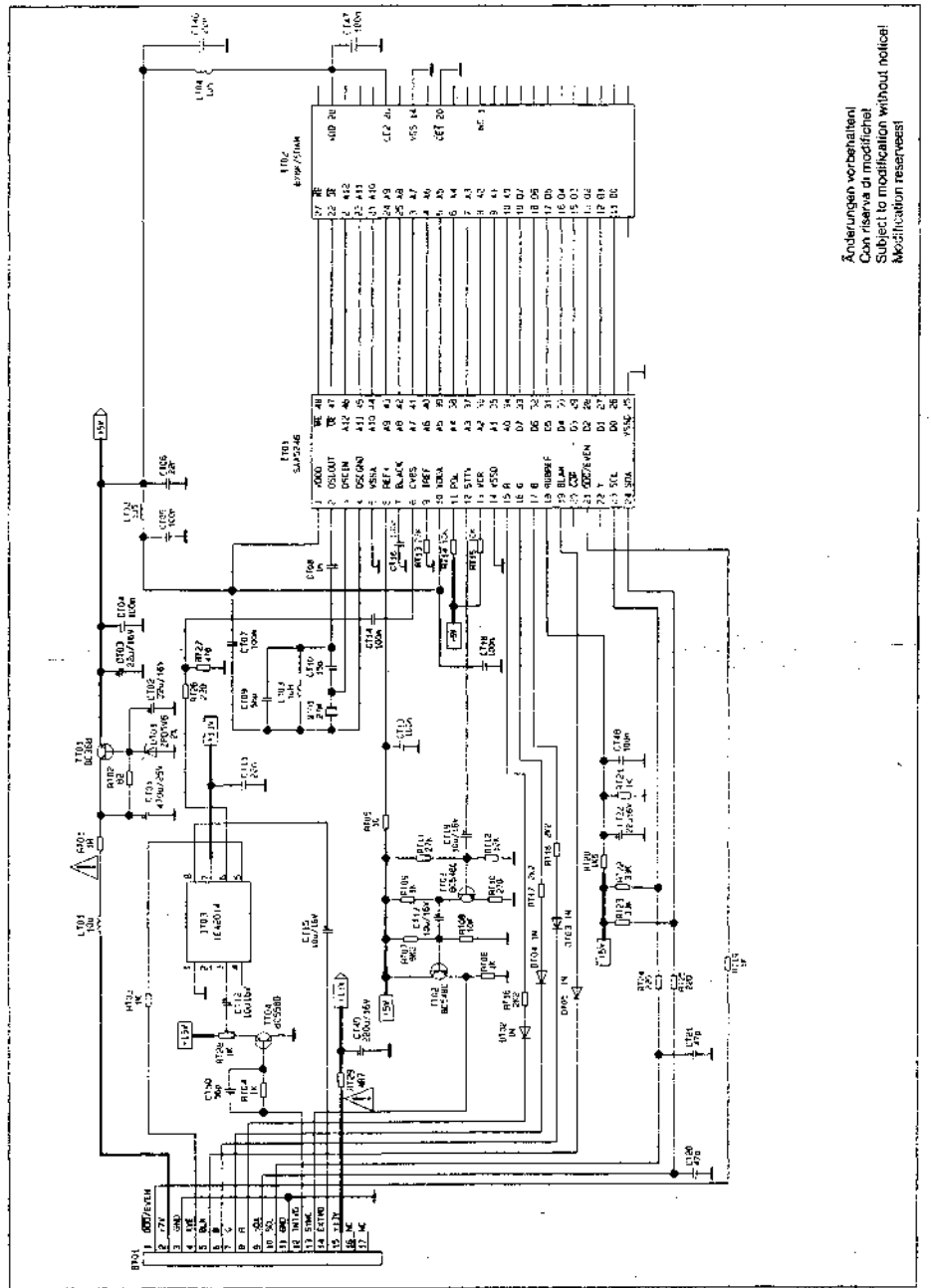
Bauteilekennzeichnung der Funktionsstufen  
Codice componenti con sigla dello stadio  
Signification of components of the stages  
Désignation des composants et des circuits

RC, CC, DC, TC, LC	etc.	→ Chroma	(PAL-Decoder, Decoder PAL)
RF, CF, DF, TF, LF	etc.	→ Field	(Vertikal, Verticale)
RL, CL, DL, TL, LL	etc.	→ Line	(Horizontal, orizzontale)
RP, CP, DP, TP, LP	etc.	→ Power	(Netzteil, Alim. rete)
RS, CS, DS, TS, LS	etc.	→ Sound	(Audio)
RV, CV, DV, TV, LV	etc.	→ Video	(Video)

### Legend - Leggenda

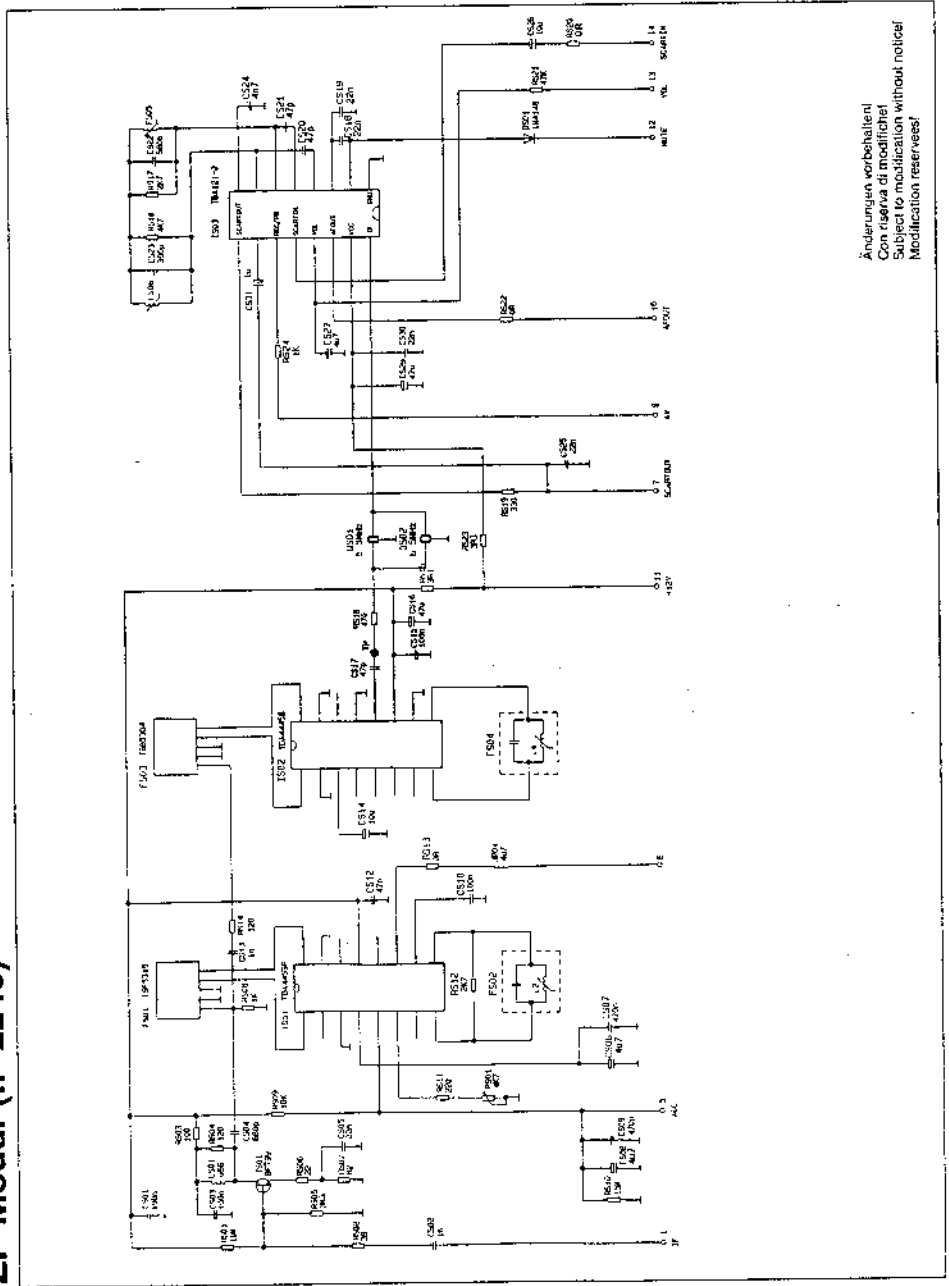
ALARM	ALLARME	
RADIO PWR	ALIMENTAZIONE RADIO	
ENABLE	ABILITAZIONE	
RESET	RESET	
AV SWITCH	INTERRUTTORE AV	
ODD/EVEN	PARI/DISPARI	
SYNCHRO	SINCRONISMO	
R-CLAMP MEM	R-AGG. MEM.	
R-DRIVE MEM	R-PIL. MEM.	
R-CUT OFF MEM	R-CUT OFF MEM.	
AV-BEAM LIM REF.	AV-LIMIT. RIFER. RAGGIO	
LEAK BEAM FILTER	FILTRO RAGGIO	
SW CUT OFF	INT. CUT OFF	
BAND FILTER	FILTRO BANDA	
		AGC FILTER
		DL GAIN
		DL PHASE
		PAL VCO FILTER
		REG VOLT OP
		DELAY
		AF OUT
		INT. A.F.
		AUDIO MUTE
		SOFT START
		SENSE INPUT
		ERROR AMP OUTPUT
		ERROR AMP INPUT
		FILTRO C.A.G.
		RITARDO GUAD.
		RITARDO FASE
		FILTRO PAL V.C.O
		USC. TENS. STAB.
		RITARDO
		USCITA A.F.
		INT. A.F.
		SIL. AUDIO
		PART. LENTA
		INGR. SENS.
		AMPL. ERR. USC.
		AMPL. ERR. INGR.

# Videotext (Optional)



Änderungen vorbehalten!  
 Can riserva di modifiche!  
 Subject to modification without notice!  
 Modification reservees!

# ZF-Modul (IF 2248)

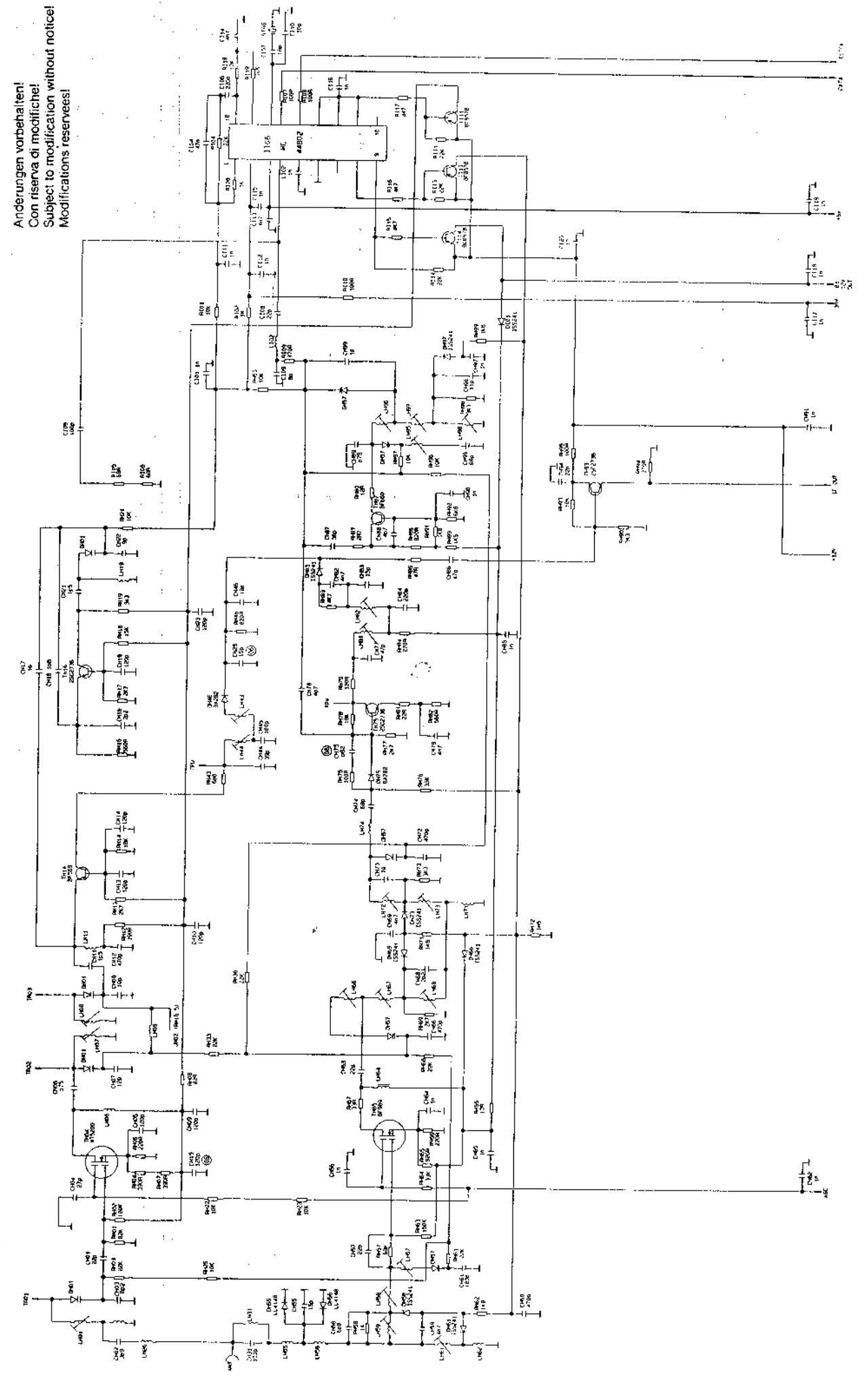


Änderungen vorbehalten!  
 Con riserva di modifiche!  
 Subject to modification without notice!  
 Modification reserves!



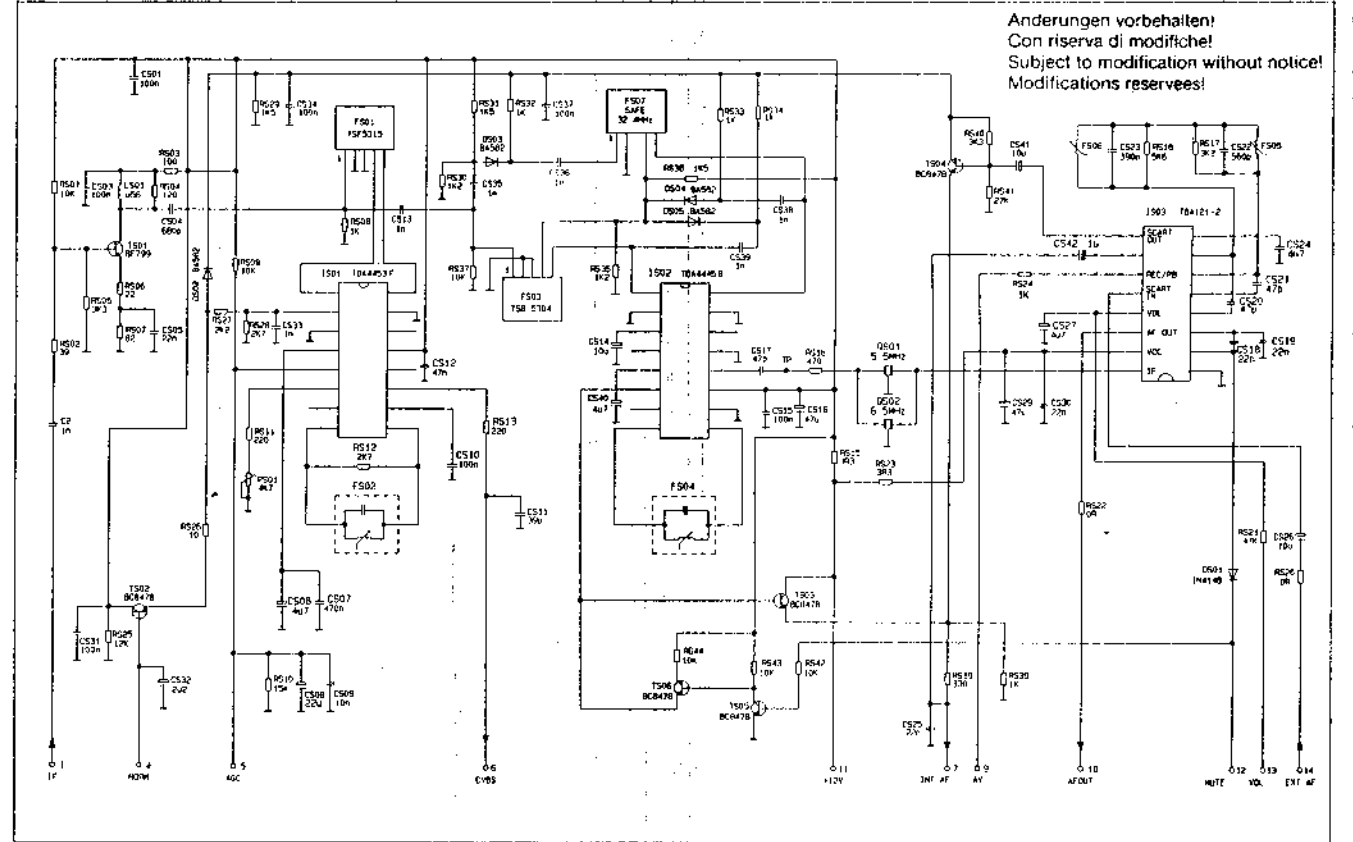
# VHF-UHF Tuner MP1 2003

Anderungen vorbehalten!  
 Con riserva di modifiche!  
 Subject to modification without notice!  
 Modifications reserves!



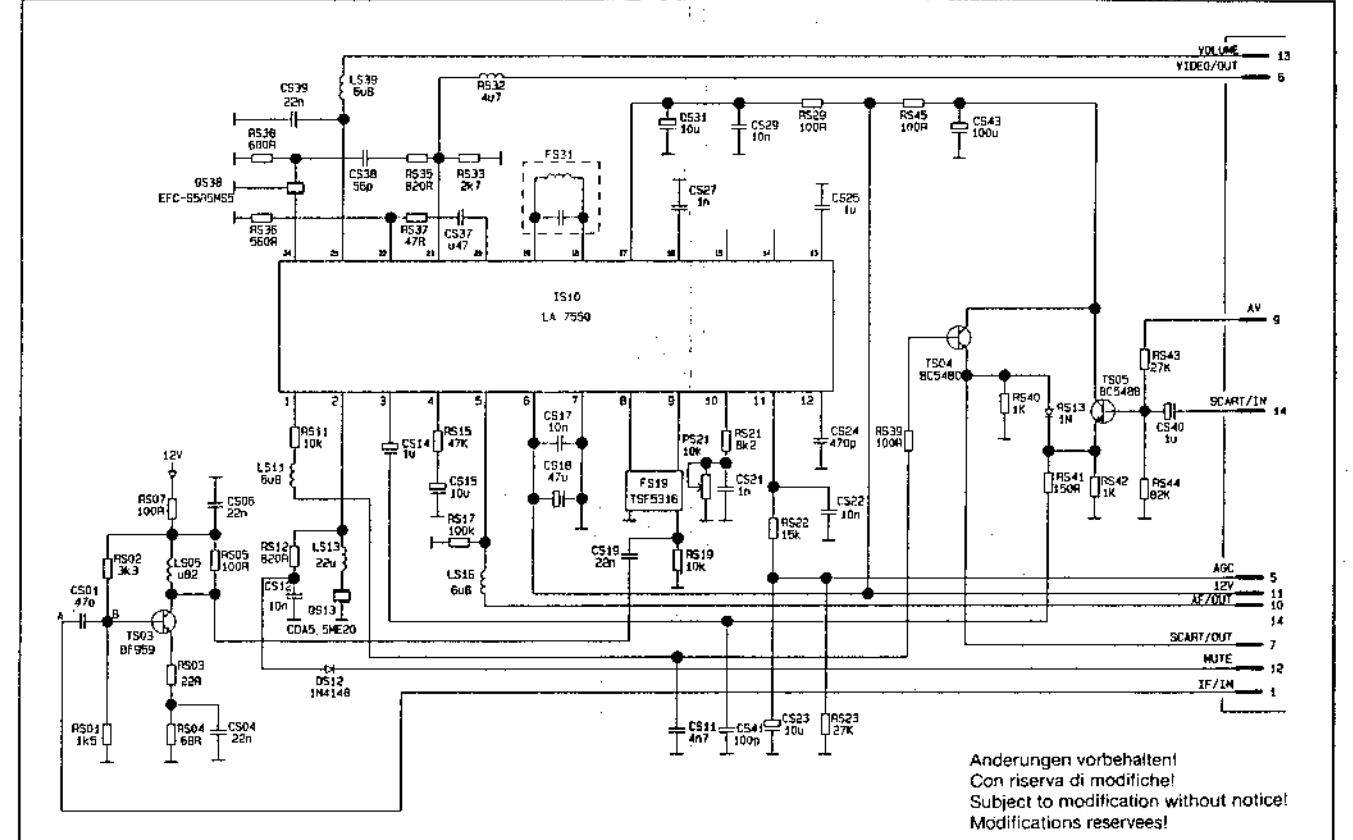
# ZF-Modul (IF 2149)

Anderungen vorbehalten!  
 Con riserva di modifiche!  
 Subject to modification without notice!  
 Modifications reserves!



# ZF-Modul (IF 2200)

Anderungen vorbehalten!  
 Con riserva di modifiche!  
 Subject to modification without notice!  
 Modifications reserves!

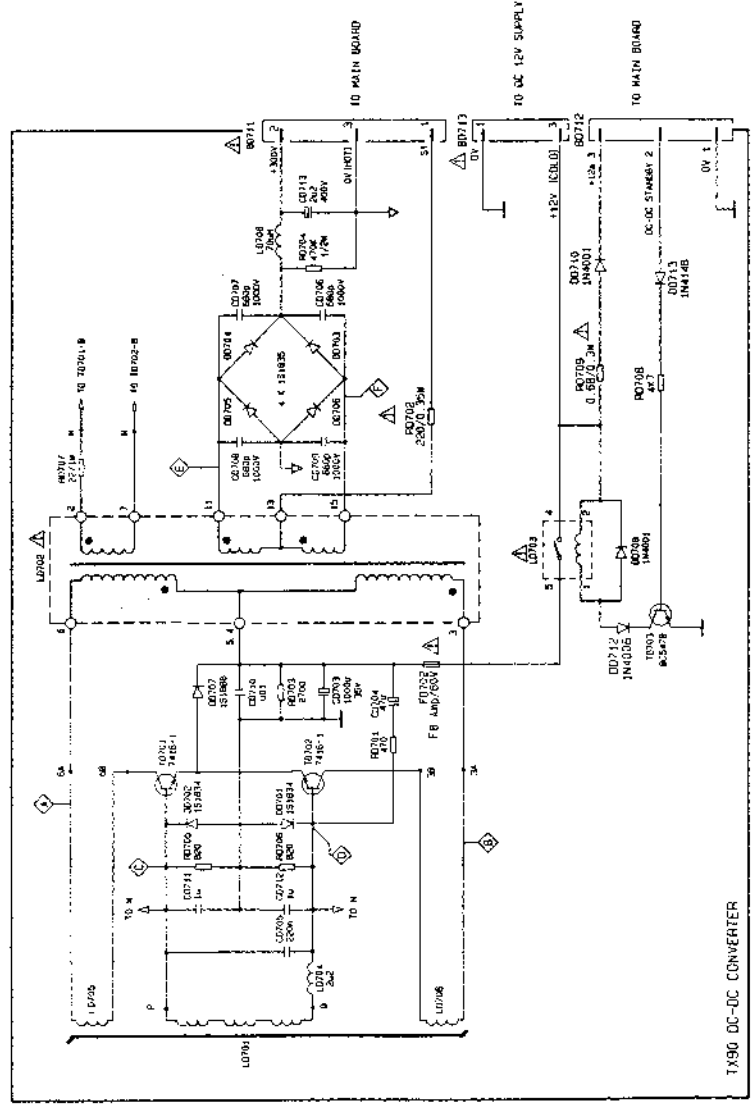




# DC-DC Converter

Änderungen vorbehalten  
 Subject to modification without notice  
 Modifications réservées

71254-007/13/15/13



TX90 DC-DC CONVERTER



1 Chassis telaio

10 Bildröhren-Platte  
Plastra-oscoscopia  
CRT board  
Platine du tube image

11 ZF-Modul  
modulo IF  
IF board

15 Videotext-Modul  
modulo televideo

7 Tastenplatte  
Plastra tast  
Key-board  
Platine du commutation

6 IR-Vorverstärker  
Preamplificatore IR  
IR-pre-amplification  
Preamplification

M2504/KDD210H/251191

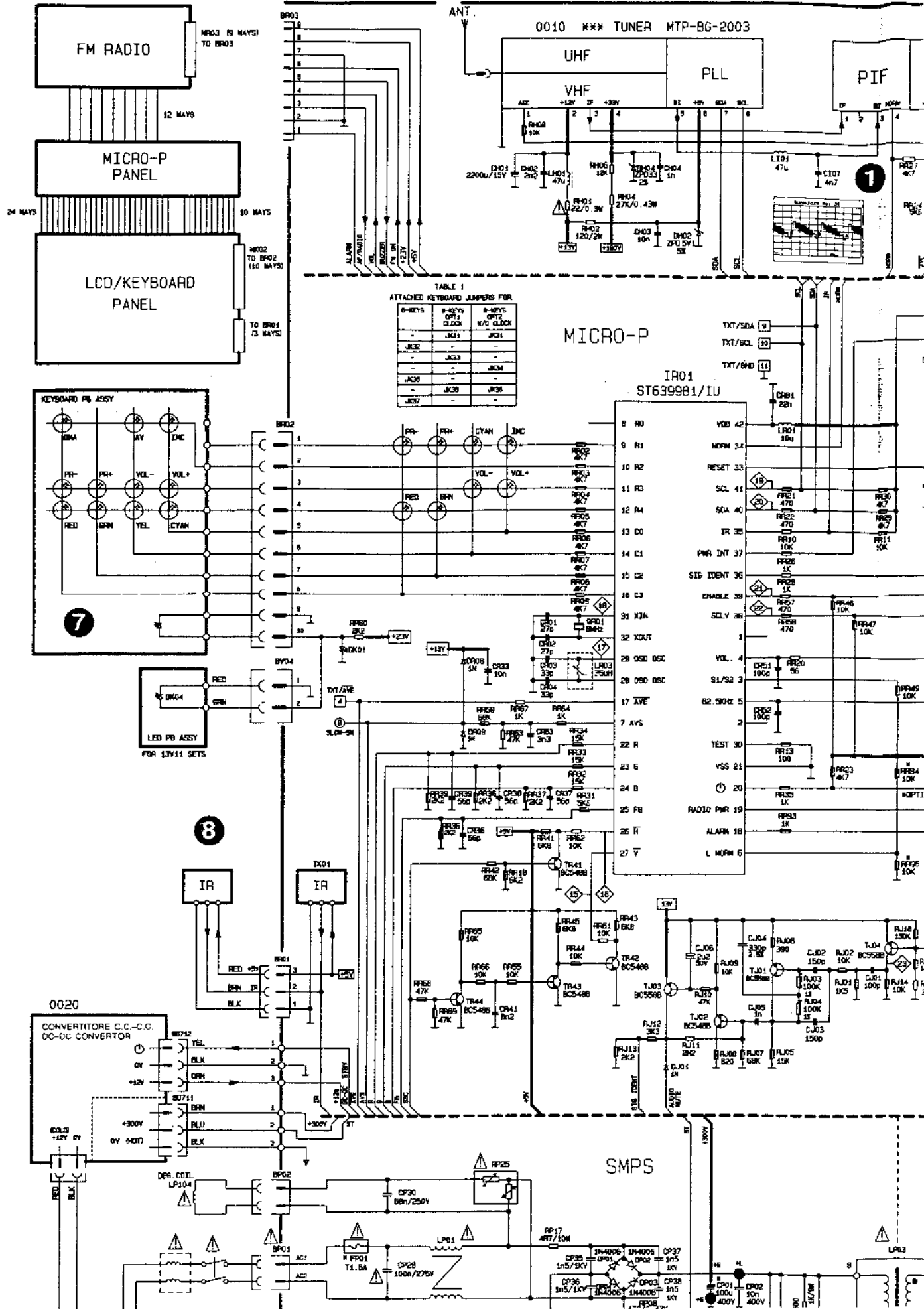


TABLE 1  
ATTACHED KEYBOARD JUMPERS FOR

8-KEYS	8-KEYS CLOCK	8-KEYS V/O CLOCK
JK32	JK31	
JK33	JK34	
JK35	JK36	
JK37	JK38	

0110 \*\*\*IF-2108

### 11 AUDIO AMP. VOL. CONTROL

### 16 Videotext-Modul TELETEXT PANEL modulo televideo

BV01 21-PIN SCART

IS01  
TDA2006

LOUDSPEAKER  
01H

### VIDEO

IV01  
TEA5040S

### CRT PANEL 10

### CHROMA

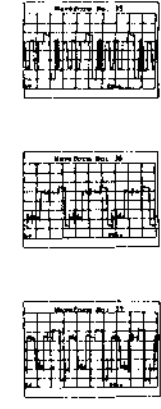
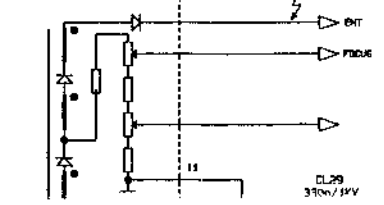
IC01  
TEA5640F

TABLE 3 \*\*

ITEMS	10"	14"	15"	16"	20"
CL22	7nF/1K5V	5nF/1K5V	5nF/1K5V	5nF/1K5V	5nF/1K5V
LL03	112uH	50uH	50uH	50uH	50uH
LL04	2436911	243621B	FM05211	2436062	
RT66	120K	82K			
RS06	10R/0.25W	10R/0.25W	10R/0.25W	10R/0.25W	10R/0.25W
RS08	11K	11K	11K	11K	12K
FL18	-	5K5	5K5	5K5	5K5
CL25	300n/250V	300n/250V	470n/250V	470n/250V	470n/250V
LP104	DC1003B	DC993A	DC-9010-1uA	DC-931A	DC-931A
CP22	100u/160V	100u/160V	100u/160V	220u/160V	
RT68	120K/0.1W	82K/0.1W			
0010 (EPK)	16/2W	16/2W	16/2W	16/2W	8/4W

LL04

1



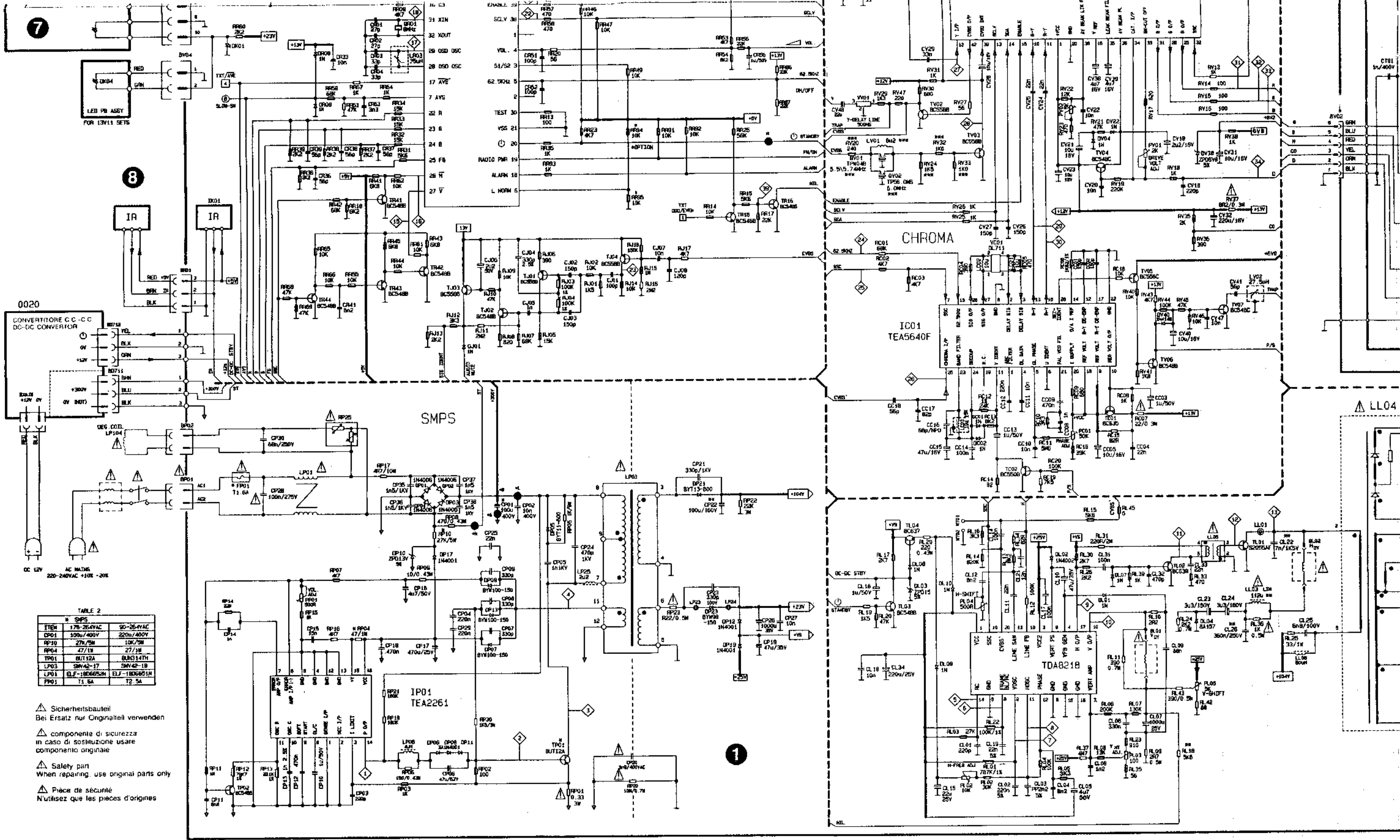


TABLE 2

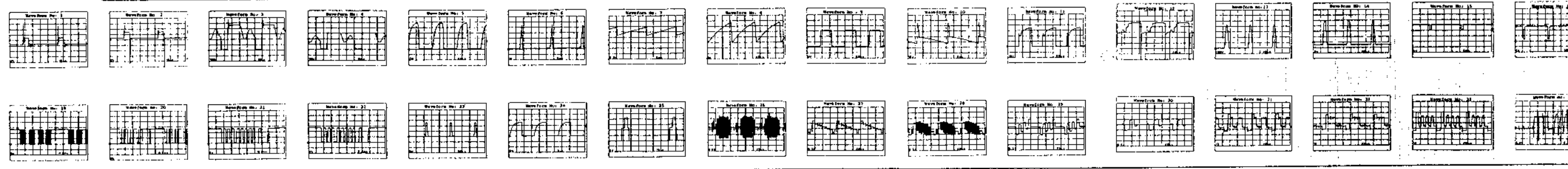
N°	SMPS	90-26VAC	90-26VAC
TP01	17R-26VAC	220V/400V	220V/400V
CP01	100u/400V	10K/50V	10K/50V
RP10	27K/5W	27K/5W	27K/5W
RP04	47/1W	47/1W	47/1W
TP01	BUT12A	BUS14TH	BUS14TH
LP03	SNV42-17	SNV42-18	SNV42-18
LP01	ELF-180665M	ELF-180665M	ELF-180665M
FP03	T1.6A	T2.5A	T2.5A

⚠ Sicherheitsbauteil  
Bei Ersatz nur Originalteil verwenden

⚠ componente di sicurezza  
in caso di sostituzione usare  
componente originale

⚠ Safety part  
When repairing, use original parts only

⚠ Pièce de sécurité  
N'utilisez que les pièces d'origines



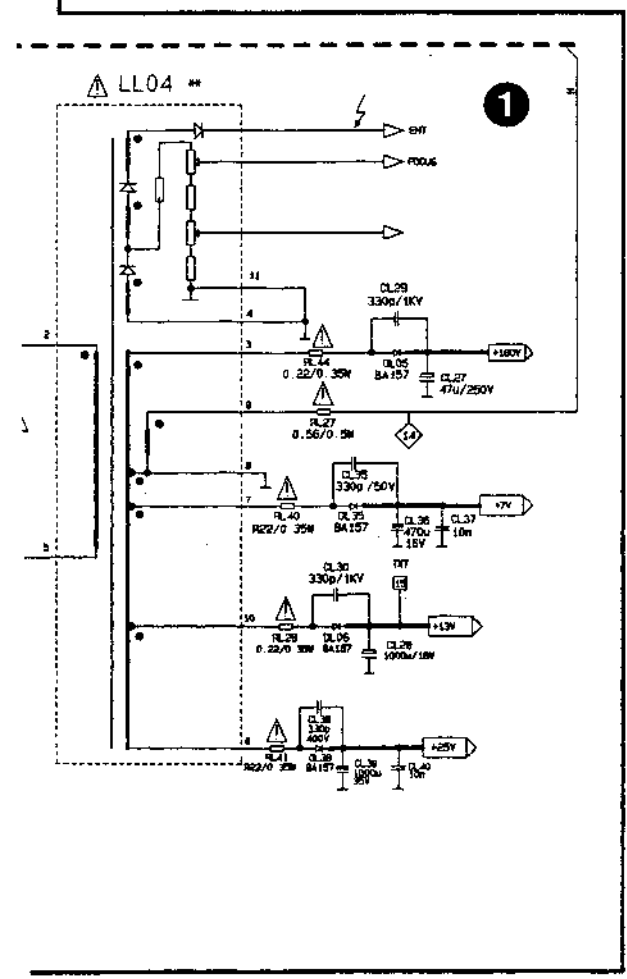
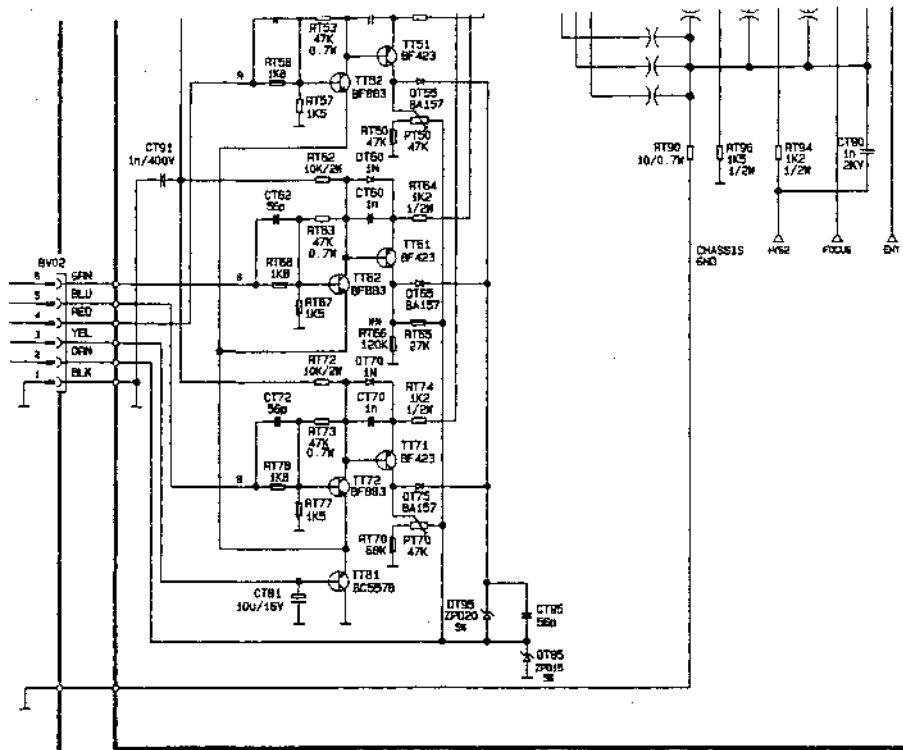
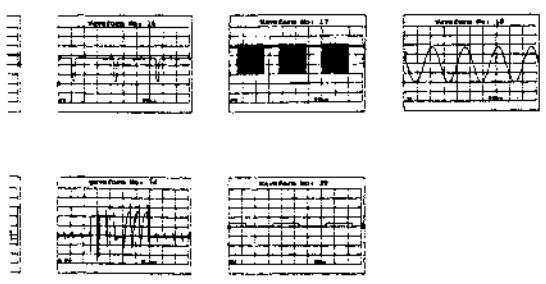


TABLE 3 MK

ITEMS	10"	14"	15"	16"	20"
CL22	7nF/1KV	5nF/1KV		8n2/1KV	8n2/1KV
LL03	182nH	90uH		50u	50uH
LL04	2436911	2436918		FM06211	2436992
RT66	120K	52K			
RS09	10R/0.35W	10R/0.35W		10R/0.35W	1R8/0.35W
RS06	11K	11K		11K	12K
RL16	-	6R3		5K5	5u6
CL26	360n/250V	350n/250V		470n/250V	470n/250V
LP104	DC1003B	DC993A		DC-9010-16A	DC-931A
CP22	100u160V	100u160V		100u160V	220u160V
RT68	120K/0.1W	82K/0.1W			
DD10 (SPK)	16/2W	16/2W		16/2W	8/4W

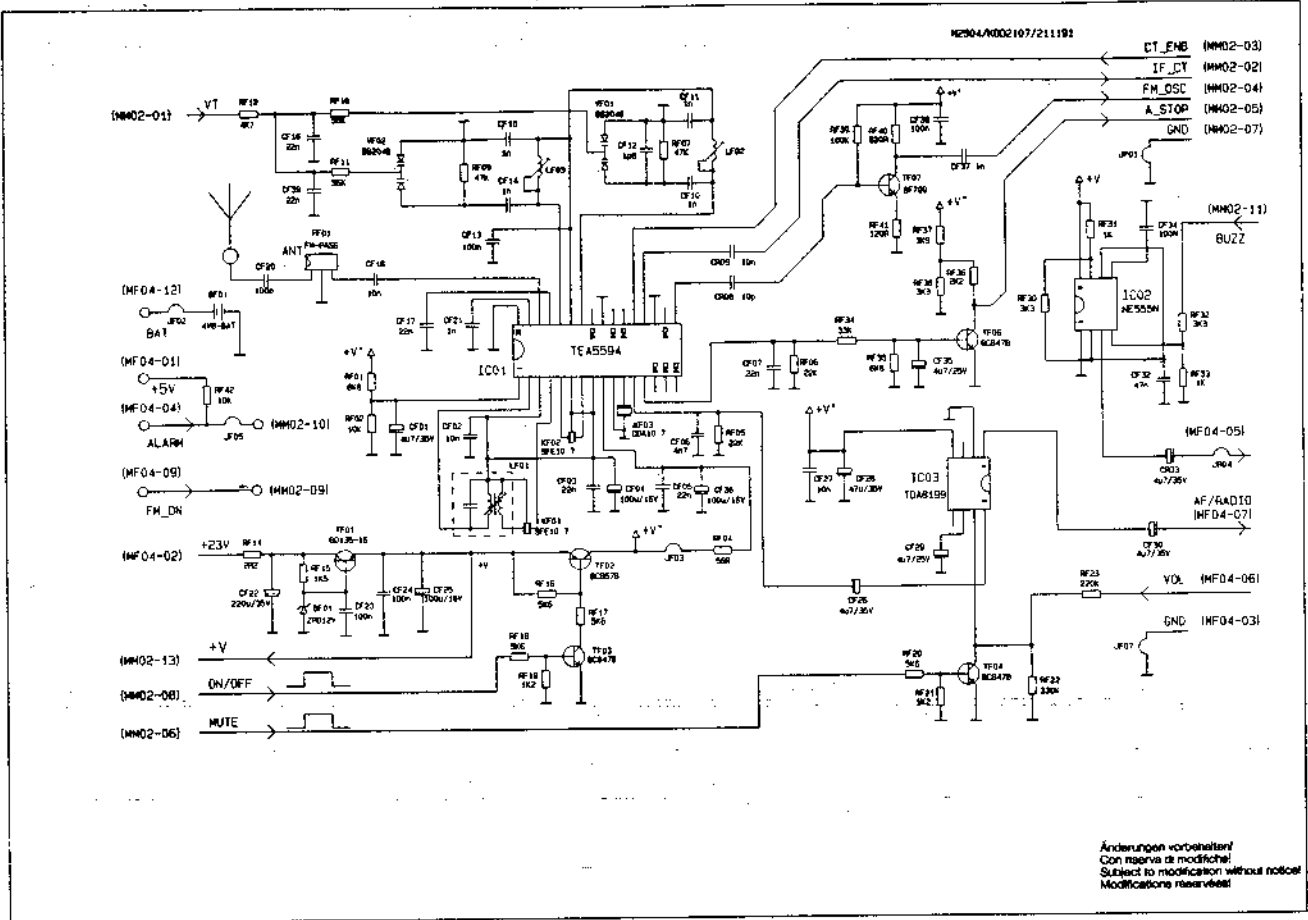
- ⚠ Sicherheitsbauteil  
Bei Ersatz nur Originalteil verwenden
- ⚠ componente di sicurezza  
in caso di sostituzione usare  
componento originale
- ⚠ Safety part  
When repairing, use original parts only
- ⚠ Pièce de sécurité  
N'utilisez que les pièces d'origines

- ⚡ MELF - Widerstand
- ⚡ Dioden ohne Bezeichnung IN4148



Änderungen vorbehalten!  
Con riserva di modifiche!  
Subject of modification without notice!  
Modifications réservées!

# FM-Radio



# Microprozessor-Modul (FM/Uhr)

