

TELEFUNKEN

A135MT

MODEL

SERVICE MANUAL

THOMSON CONSUMER ELECTRONICS

NORDMENDE
THOMSON TECHNOLOGY

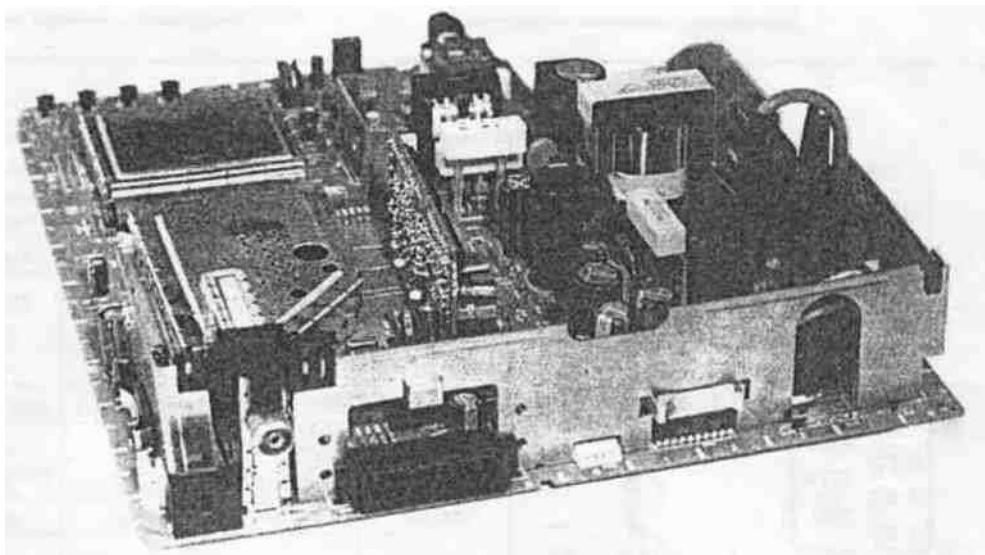
SABA

TELEFUNKEN

THOMSON

SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA

Chassis TX91



/ Indicates specially selected or critical safety components and identical components should be used for there replacement.
This is necessary in order to maintain the operational safety of the receiver.

Le remplacement des éléments de sécurité (repérés avec le symbole **/**) par des composants non homologués selon la Norme CEI 65 entraîne la non-conformité de l'appareil. Dans ce cas, la responsabilité du fabricant n'est plus engagée.

Wenn Sicherheitsteile (mit dem Symbol **/** gekennzeichnet) nicht durch Original-Ersatzteile ersetzt werden, erlischt die Haftung des Herstellers.

La sostituzione degli elementi di sicurezza (marchi con il segno **/**) con componenti non omologati secondo la norma CEI 65 comporta la non conformità dell'apparecchio. In tal caso è "esclusa la responsabilità" del costruttore.

La substitucion de elementos de seguridad (marcados con el simbolo **/**) por componentes no homologados segun la norma CEI 65, provoca la no conformidad del aparato. En ese caso, el fabricante cesa de ser responsable.

MEASUREMENT CONDITIONS - CONDITIONS DE MESURES - MESSBEDINGUNGEN CONDIZIONI DI MISURA - CONDICIONES DE MEDIDAS

RECEIVER: UHF Input level, 1 mV test bar pattern.

RM 1 standard, 100% white

Scan input level, 1.0 Vpp test bar pattern.

Programme PR01, Customer controls,
Contrast, brightness and colour set at mid point
and sound at minimum.

All DC voltages are measured with a digital meter
between ground and the reference point.

RECEVEUR: E", "F "mau c'entre 1 mV mire de bânes

• SECOL Non L Ban N.

Par a yse PssSmm. mw0ftee 1 Vcc. aurede tons.

ca^ srasle, tonwe a m-owx. son mimm.
Ptcwi->aaePRJ].

•ascrecsraunesretiaeespatrappnlalaTasstMcii
icawie funerme

EMPFANGER: Be UHF Empfangspegel 1 mV. Faitoaken:

.PAL, Norm 6 WMS 100%.

unei y Sca."uc's: Encassoegd 1 Vss Faaatn:

Falte Kriia, Heidkm in to Mite des teachs Ton auf Mimm
ZugewonresPiicramnPROL

a<icB(la)jO{Wjh<teintindolalM"lliw>artes<g>ssti

MCEVnORE InUHF. Mbd'enntalm'monosoxiopwbatre:
•PAL, nonnaG.bBncoll)0%.

Pei la plessa SCART. Irwic d'emata 1 Vcc. monosok pM bam:

Cokxe. CwrasB Lucc a mea area. Suoni mnino.

Proyariifia degrado PR 01

Tensiu continue ntevate nspelo aria massa con uifwnametro nullwica.

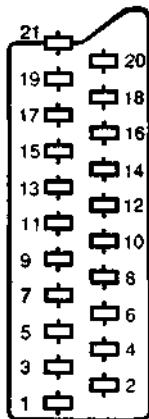
RECEPTOR: En UHF, ml de fntada 1 nV, nn A banas:
•PAL, norma G. fanco 1011%.

Pa b tana Perleleisoi, nvei ae enind 1 Vet roa * tara.

Cota. Contiaste. uz a miud de emu Smbo mnua.

PfairamaefactaoPROL

TensionescontinuasmarcadasafinlaQona'masaconunrlfnetrodigital.



NOTE :(MAIN) ... etc. identifies each
pcb module.

NOTE :(MAIN)... etc. repères des
platinas constituant l'appareil.

HINWEIS : (MAIN) ...usw.

Kennzeichnungen der Platinen, aus
denen das Gerät zusammengesetzt ist.

NOTA :(MAIN... ecc. indicazioni
delle piastre che costituiscono
l'apparecchio.

NOTA :(MAIN).., etc. marcas de las
placas que constituyen el aparato.

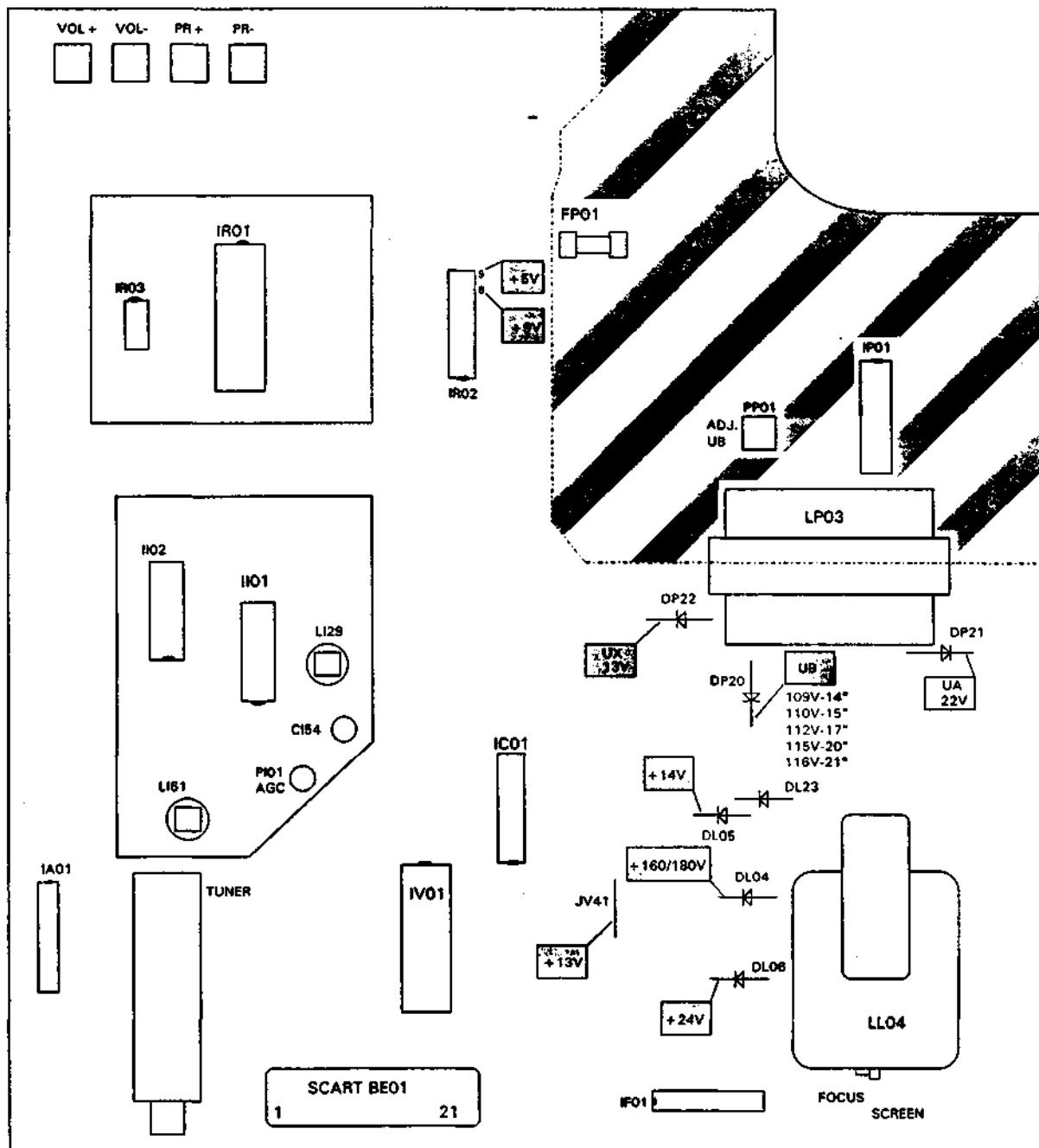
	ENGLISH	FRANCAIS	DEUTSCH	ITALIANO	ESPANOL
1 G»	AUDIO •R"	AUDIO "D"	AUDIO -R"	AUDIO "0"	AUDIO "D"
2 ^)	AUDIO "R"	AUDIO "D-	AUDIO "R"	AUDIO "D"	AUDIO "D"
3 G»	AUDIO "L"	AUDIO -G"	AUDIO "L"	AUDIO "S"	AUDIO "I"
4 —	AUDIO	AUDIO	AUDIO	AUDIO	AUDIO
5 —	• BLUE"	• BLEU -	"BLAU"	"BLU"	"AZUL"
6 -R)	AUDIO •L MONO	AUDIO-G-MONO	AUDIO •L MONO	AUDIO'S MONO	AUDIO • MONO
7 ^)	• BLUE •	"BLEU •	•BLAU"	BLU	AZUL
8 -R)	SLOW SWITCH	COMMUT. LENTE	AV UMSCHALTUNG	•COMMUTAZIONE LENTA'	•CONMUTACION LENTA-
9 -	• GREEN"	"VERT"	•GRUN"	"VERDE"	"VERDE"
10 NC					
11 -R)	"GREEN"	"VERT™	"GRUN"	"VERDE"	"VERDE-
12 NC					
13 —	•RED"	"ROUGE"	"ROT"	•ROSSO"	"ROJA"
14 NC					
15 -^	•RED-	"ROUGE-	"ROT"	"ROSSO"	"ROJA"
16 ^)	FAST SWITCH	COMMUT. RAPIDE	AUSTASTUNG	•COMMUTAZIONE RAPIDA-	•CONMUTACION RAPIDA-
17 —	VIDEO	VIDEO	VIDEO	VIDEO	VIDEO
18 —	FAST SWITCH	COMMUT. RAPIDE	AUSTASTUNG	•COMMUTAZIONE RAPIDA"	•CONMUTACION RAPIDA"
19 O»	VIDEO	VIDEO	VIDEO	VIDEO	VIDEO
20 -C)	VIDEO OR "SYNC"	VIDEO SYNCHRO	VIDEOODER SYNCHRO	VIDEO OSINCRO	VIDEO O SINCRON
21 O»	PLUG SCREEN BOX	BLINDAGE PRISE	ABSCHIRMUNG DES STECKERS	ARMATURA DELLA SPINA	BLINDAJE DEL ENCHufe

→ : OUTPUT - SORTIE - AUSGANG - USCITA - SALIDA

○ : INPUT - ENTREE - EINGANG - ENTRATA - ENTRADA

— : EARTH - MASSE - MASSE - MASSA - MASA

LOCATION OF CONTROLS - EMPLACEMENT DES REGLAGES - SERVICE LAGEPLAN
 POSIZIONE REGULATORI DI SERVIZIO - SITUACION DE LOS AJUSTES



ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZIONE - AJUSTES

UB	PP 01	Contrast, brightness and volume to minimum		14": 109 V 15": 110 V 17": 112 V 20": 115 V 21": 116 V
UG2	SCREEN	AV (no Signal, black screen)		130V-14° 140V-17° 160V-20°
Focus	FOCUS	 Test pattern (standard values)		Sharp picture

SERVICE MODE

It is necessary to enter the Service Mode in order to carry out alignment of the TV set. Most adjustments can be made with the RCU, except the Usystem, Focus and Screen voltages.

1. Service Mode Access

- 1.1 With the RCU, switch the TV set into the "Standby" mode.
- 1.2 Switch "Off" the TV set using the mains supply switch.
- 1.3 Whilst depressing the RCU "Blue(VT)" button, switch "On" the TV set using the mains supply switch.
- 1.4 Release and press once again the RCU "Blue(VT)" button, the following "Set-Up" menu should be displayed.

SET-UP	VIDEO	GEOM
xxx 123456789		Configuration

Important: The Service Mode cannot be entered if any equipment is connected to the Scart socket, i.e. pin 8 switching voltage present.

2. Function Selection

- 2.1 With the Volume "+" and "-" RCU buttons, highlight the menu containing the function to be aligned.
- 2.2 Press the RCU "Blue(VT)" button to highlight the function to be aligned.

3. Switching between Service and TV modes

- 3.1 Whilst in the Service Mode, normal TV controls are disabled, to enable these controls whilst in the Service mode (i.e. for channel changing etc.) press the "TV" button on the RCU. To return to the Service mode, press the "Blue(VT)" button on the RCU

4. Alignment and storing new function value

- 4.1 The current value of the selected function is displayed in an hexadecimal form to the right of the functions name. This value is adjusted by means of the Volume "+" and "-" RCU buttons.
- 4.2 To STORE the functions new value, highlight MEMO and press the Volume "+" RCU button.
- 4.3 To RESTORE the functions original value, highlight R-STO(RE) and press the Volume "+" RCU button.
- 4.4 Selecting the ROM function downloads the production software default values, these are not very accurate and should only be used in very special cases.

5. Leaving the Service Mode

- 5.1 To leave the Service mode either, switch the TV set into "Standby" or switch "Off" the mains supply.

SERVICE-MODE

Der Service-Mode wird fur den Gerateabgleich benotigt. Alle Einstellungen erfolgen mit der Fernbedienung (bis auf Systemspannung, Fokuseinstellung und Schirmgitterspannung).

1. Service-Mode einschalten

- 1.1 Mit der Fernbedienung das Fernsehgerat in Stand-by schalten.
- 1.2 Das Gerat mit dem Netzschalter ausschalten.
- 1.3 Die blaue Taste der Fernbedienung gedruckt halten und gleichzeitig das Gerat mit dem Netzschalter einschalten.
- 1.4 Das folgende Menu erscheint nach erneutem Drucken der blauen Taste

SET-UP	VIDEO	GEOM
xxx 1234567B9		Configuration

Achtung: Der Service-Mode laBt sich nicht einschalten, wenn an einer Euro-AV-Buchse ein Gerat aktiviert ist. d.h. die Schaltspannung anliegt.

2. Funktionswahl

Mit den Tasten +/- wird das entsprechende Menu gewählt. welches mit der blauen Taste "durchgeblättert wird".

3. Umschalten zwischen Service- und TV-Betrieb

Im Service-Mode sind die normalen Fernsehfunktionen nicht bedienbar. Werden diese im Service-Mode benötigt (z.B. Programmwechsel), kann mit der Taste (TV) in den normalen TV-Betrieb geschaltet werden. Durch Drücken der blauen Taste gelangt man zurück zum Service Mode.

4. Abgleich der gewählten Funktion und Speichern

Der momentane Wert der gewählten Funktion wird hexadezimal rechts neben der abzugleichen Position angegeben und kann mit der Taste + bzw. - auf der Fernbedienung verändert werden.

Die Änderungen des jeweiligen Menüs können unter MEMO mit def *Taste gespeichert. bzw unter R-STO(RE) rückgängig gemacht werden.

Im Menüpunkt ROM kann man die Software-Defaultwerte laden. Sie sind aber nur eine grobe Annäherung an den noch vorzunehmenden Abgleich und sollten nur im Notfall verwendet werden.

5. Service-Mode verlassen

Zum Verlassen des Service-Mode das Gerät in Stand By schalten Oder mit dem Netzschalter ausschalten.

MODE SERVICE

Le mode service sert au réglage de l'appareil. Toutes les opérations de réglage s'effectuent à l'aide de la télécommande (sauf la tension de système, les mises au point et les tensions de grille-écran).

1. Acces du mode service

- 1.1 Commuter le téléviseur en position de veille avec la télécommande
- 1.2 Mettre le téléviseur hors service par l'interrupteur secteur.
- 1.3 -Maintenir la louche bleue enfoncée et mettre simultanément le téléviseur en marche avec l'interrupteur secteur.
- 1.4 Le menu suivant apparaît après avoir appuyé à nouveau sur la louche bleue

SET-UP	VIDEO	GEOM
xxx 123456789		Configuration

Attention : Le mode service n'est pas accessible si un appareil est connecté à la prise péritel.

2. Selection de la fonction

Par les touches +/- de la télécommande vous pouvez choisir le menu correspondant (SET UP, VIDEO ou GEOM) et le "feuilleter" avec la louche bleue(VT).

3. Inversion entre modes service et TV

Les fonctions télévision normales ne sont pas utilisables en mode service. Si elles sont nécessaires en mode service (p. ex. changement de programme), la touche (TV) permet de commuter en mode TV. Vous pouvez revenir au mode service en appuyant sur la touche bleue.

4. Reglage des fonctions selectionnees et memorisation

La valeur momentanee de la fonction selectionnee est indiquee sous forme hexadecimale a droite, a cote de la position a regler et peut etre modifiee avec la telecommande par la touche + ou -.

La ligne MEMO permet de memoriser les nouvelles valeurs de reglage avec la touche +. La ligne R-STO(RE) permet de rappeler les valeurs memorisees en NVM. Les valeurs par defaut du logiciel peuvent etre chargees en selectionnant la ligne ROM. Elles ne constituent cependant qu'une approximation du reglage et ne doivent etre utilisees qu'en cas de necessite.

5. Abandon du mode service

Pour abandonner le mode service, commuter le téléviseur en position de veille ou le mettre hors service par l'interrupteur secteur.

SERVICE-MODE

Il Service-Mode e necessario per l'allineamento dell'apparecchio. Tutte le regolazioni si effettuano con il telecomando. (a parte la tensione del sistema, le regolazione del fuoco e la tensione! della griglia schermo).

1. Attivazione del Service-Mode

- 1.1 Comutare il televisore in stand-by con il telecomando.
- 1.2 Spegnere l'apparecchio con l'interruttore di rete.
- 1.3 Tenere premuto il pulsante blu e accendere contemporaneamente l'apparecchio con l'interruttore di rete.
- 1.4 Il seguente menu appare non appena si aziona nuovamente il pulsante blu

SET-UP	VIDEO	GEOM
xxx 1234567B9		Configuration

Attenzione: Il Service-Mode non si puo attivare se e attivato un apparecchio collegato alla presa di pentelevisione AV, dove se e presente la tensione ausiliaria.

2. Scelta della funzione

Con i last! +/- si seleziona il relative menu che può essere sfogliato con il pulsante blu.

3. Comutazione fra funzione Service-Mode e TV

Nella modalità Service-Mode non si possono attivare le normali funzioni televisive. Se occorre richiamarle in Service-Mode (ad es. se si vuole cambiare il programma), si può attivare la normale modalità TV con il pulsante (TV). Premendo il pulsante blu si riattiva il Service-Mode.

4. Taratura della funzione scelta e memorizzazione

Il valore momentaneo della funzione scelta viene indicato in formato esadecimale a destra, accanto alla posizione da allineare e può essere cambiato con il pulsante + o - del telecomando.

Le modifiche effettuate nei relative menu si possono memorizzare in MEMO con il pulsante + oppure annullare in R-STO(RE).

Nell'opzione di menu ROM si possono caricare i valori di default del software. Essi rappresentano però una taratura approssimativa prima di eseguire quella definitiva e si dovrebbero usare solo in caso di emergenza.

5. Disattivazione del Service-Mode

Per disattivare il Service-Mode, commutare l'apparecchio in stand-by o spegnerlo con l'interruttore di rete.

MODO SERVICIO ©

Se necesita el MODO SERVICIO para ajustar el aparato. Todos los ajustes se hacen con el mando a distancia (a excepcion de la tension del sistema, los ajustes del toco y las tensiones de la rejilla de pantalla).

1. AJUStar el MODO SERVICIO

- 1.1 Con el mando a distancia conectar a STANDBY el televisor.
- 1.2 Desconectar el aparato con el interruptor de la red.
- 1.3 Mantener pulsada la tecia azul y conectar el aparato simultaneamente con el interruptor de red.
- 1.4 El menu siguiente aparece evolviendo a pulsar la tecia azul.

S	E	T	-	U	P		V	I	D	E	O	I	G	E	O	M	I	
xxx	1	2	3	4	5		6	7	8	9								En el P***10 de
xxx 123456789 Configuration																	neniu ROM se pueden cargar los valores por defecto del	

Atencion: No se puede conectar el MODO SERVICIO cuando en Eurotoma-AV esta activado un aparato, es decir, cuando existe tension de CO***6**.

2. Seleccion de las funciones

Con las teclas +/- se selecciona el menu correspondiente que "hojea" con la tecia azul.

Example		
SET-UP		
Software code and configuration		
NORM B BD BLD BIL L I		
VT LANG 0 1 2		
- R-STO + MEMO 0 ROM		

Example		
VIDEO		
R-DC	00-3F	23
G-DC	00-3F	24
R-DRV	00-3F	1D
G-DRV	00-3F	21
B-DRV	00-3F	1F
PEAK	(-/+)	
	+ MEMO	
	+ R-STORE	- ROM

Example		
GEOM		
H-PHA	00-3F	26
V-POS	00-07	02
V-AMP 50Hz	00-3F	25
V-AMP 60Hz	00-3F	1C
- R-STO	+ MEMO	0 ROM

SET-UP		
Software code and configuration		
NORM	Standards:	
	B = BG PAL-SECAM L = L SECAM(F) D = DKK' SECAM I = I PAL (UK / IRELAND)	
VT-LANG.	Video Text Language 0: GB, D, SF, I, F, E, CZ, GB 1: PL, D, SF, I, F, YU, SZ, R 2: GB, D, SF, I, F, E, TR, GB	

VIDEO		
R-DC*		 gray grey
G-DC*		 gray grey
R-DRV		 weiß white
G-DRV		 weiß white
B-DRV		 weiß white
PEAK		 14° : 60V 15° : 70V 17° : 80V 20° : 90V 21° : 95V

GEOM		
H-PHA		
V-Pos		
V-Amp 50 Hz		
V-Amp 60 Hz		

TV configuration		
T	TEXT MODULE	
S	STEREO MODULE	
M	MONO	

* adjust separate for PAL and SECAM
 * régler séparément pour PAL et SECAM
 * für PAL und SECAM getrennt einstellen
 * regolare separatamente per PAL e SECAM
 * ajustar separadamente para PAL y SECAM
 (from Software version EM11 onward)

TABLE OF DIFFERENT VALUES - TABLE DES DIFFERENTES VALEURS •

** TX 91 TABLE

ITEM	SCREEN SIZE	NORM		BGDKK'		BGHILL'		BGDKK'		BGHILL'	
		COLOUR	PS	14"	20"	14"	20"	14"	PS	14"	14"
C110 C111 C112 C113 C114 C115 C116 C117 C118 C119 C113 C114 C115 C116 C110 D150 D151 D152 D102 J101 J102 J03 J104 J107 J112 J113 J116 J122 J131 J147 Q102 R111 R133 R135 R138 R147 R150 R151 R152 R153 R154 R155 R156 R157 R120 T103 T104 T126 T130		DEL	DEL	INSERT	DEL	DEL	DEL	DEL	DEL	DEL	DEL
C164 JA12 J124 J125 J136 J137 J139 R162 R170 R171 R172 T102		INSERT	INSERT	DEL	DEL	DEL	DEL	DEL	DEL	DEL	DEL
C165		DEL	DEL	DEL	DEL	DEL	DEL	DEL	DEL	DEL	DEL
C166		30P	30P	10P	10P	30P	30P	10P	30P	10P	10P
C167		6P	6P	2P2	2P2	6P	6P	2P2	6P	2P2	2P2
C168		6P1	6P1	2P2	2P2	6P1	6P1	2P2	6P1	2P2	2P2
R132		STRAP	STRAP	BA292	BA292	STRAP	STRAP	BA292	STRAP	BA292	STRAP
R134		STRAP	STRAP	BA292	BA292	STRAP	STRAP	BA292	STRAP	BA292	STRAP
R104		10K	10K	1K	1K	10K	10K	1K	10K	1K	1K
R132		10K	10K	1K	1K	10K	10K	1K	10K	1K	1K
P101		STV2112	STV2112	STV2112	STV2112	STV2112	STV2112	STV2112	STV2112	STV2112	STV2112
Q102		DEL	DEL	DEL	DEL	DEL	DEL	DEL	DEL	DEL	DEL
Q101		F1LSW	F1LSW	-	-	F1LSW	F1LSW	-	F1LSW	F1LSW	-
Q101		5205510	5205510	-	-	5205510	5205510	-	5205510	5205510	-
Q131		F1LC	F1LC	F1C	F1C	F1LC	F1LC	F1C	F1LC	F1LC	F1LC
Q132		6.5MHz	6.5MHz	6MHz	6MHz	6.5MHz	6.5MHz	6MHz	6.5MHz	6.5MHz	6MHz
R103		F1LC	F1LC	F1LC	F1LC	F1LC	F1LC	F1LC	F1LC	F1LC	F1LC
LL05(CL14/C118)											
R146		800	800	2K2	2K2	800	800	2K2	800	2K2	800
M01 PM 12		80-TRAP	80-TRAP	OPEN	OPEN	80-TRAP	80-TRAP	OPEN	80-TRAP	OPEN	OPEN
M01 PM 21 - R220 (SOUND SW)		OPEN	OPEN	100K	100K	OPEN	OPEN	100K	OPEN	100K	OPEN
D165		Detuned	Detuned	12K15	12K15	Detuned	Detuned	12K15	Detuned	12K15	Detuned
R174		80K	80K	5.6K	5.6K	80K	80K	5.6K	80K	5.6K	80K
C161		10K	10K	47K9	47K9	10K	10K	47K9	10K	10K	47K9
L161		29.954MHz	29.954MHz	32.469Hz	32.469Hz	29.954MHz	29.954MHz	32.469Hz	29.954MHz	29.954MHz	32.469Hz
L163		6.04K	6.04K	4.71K	4.71K	6.04K	6.04K	4.71K	6.04K	6.04K	4.71K
C167		33K	33K	47K9	47K9	33K	33K	47K9	33K	33K	47K9
C169		33K	33K	20K9	20K9	33K	33K	20K9	33K	33K	20K9
R123		5K6	5K6	5K6	5K6	5K6	5K6	5K6	5K6	5K6	5K6
R112		5K6	5K6	5K6	5K6	5K6	5K6	5K6	5K6	5K6	5K6
R113		5K6	5K6	5K6	5K6	5K6	5K6	5K6	5K6	5K6	5K6

** TX91 COMPONENTS MATCHING FOR FBT ACCORDING TO SCREEN 14" 15" 17" 20" & 21"

SCREEN SIZE	14" (EN/TTT)	15" (TTT)	17" (EUROPE)	20" (EUROPE)	20" (EUROPE)
TUBE	CHUNG HWA	TOSHIBA	PHILIPS	POLKOLOR	POLKOLOR
TUBE REF.	370KR22-TC38	A36JAR40X01	A41EAM40X01	A48EEV13X01	A48EEV13X01
LP03	20264960	20264960	20264960	20349930	20349930
RP28	RMF R27 3W	RMF R27 3W	RMF R27 3W	RMF R22 3W	RMF R22 3W
JP06	STRAP 10MM				
JP07			STRAP-15MM		
LL05	FCV-1410-E18	FCV-1410-E18	FCV-1410-E18	FCV-2016E07	203832 10 PI
LL09(LIN COIL)	LL90uH	LL90uH	LL90uH	LL58uH	LL58uH
CL04(TUN CAP)	CFS 6M3 1K6	CFS 6M3 1K6	CFS 6M3 1K6	CFS 7M6 1K6	CFS 7M6 1K6
CL18	CC 680P 2KV				
CL05(S.CAP)	CFS 390N 250V	CFS 390N 250V	CFS 390N 250V	CFS 470N 250V	CFS 470N 250V
RL22	RMOF 91K 1W	RMOF 82K 1W	RMDF 91K 1W	RMOF 82K 1W	RMOF 82K 1W
RL13	RCFF 0.56R 0.5WJ	RCFF 2R7 0.5WJ	RCFF 2R7 0.5WJ	RCFF 1.5R 0.5WJ	RCFF 1.5R 0.5WJ
RL14/R112	RCF 1R5 0.5W	RCF 2R 0.5WJ	RCF 2.2R 0.5WJ	RCF 2.2R 0.5WJ	RCF 2.2R 0.5WJ
RL07/LL07	STRAP 10MM	STRAP 10MM	LF100UF	STRAP 10MM	STRAP 10MM
RF07	RMFMN 121R 1%	RMFMN 121R 1%	RMFMN 127R 1%	RMFMN 121R 1%	RMFMN 121R 1%
RF08	RMFMN 90R 1%	RMFMN 86R 1%	RMFMN 90R 1%	RMFMN 86R 1%	RMFMN 86R 1%
RF15	RCFMN 390K 0.1WJ	RCFMN 360K 0.1WJ	RCFMN 390K 0.1WJ	RCFMN 330K 0.1WJ	RCFMN 330K 0.1WJ
CRT(INTEGRATED)	7 TR VERSION	7 TR VERSION	IC VERSION	IC VERSION	IC VERSION
MAIN PCB (A900)	2026155A	2026155A	2035015A	2035015A	2035015A
UB MIN BEAM CURRENT	+109V	+110V	+112V	+115V	+116V
JP12/A/P05	STRAP 10mm				
CF05	CE1000uF	CE680uF	CE680uF	CE1000uF	CE1000uF
RL12	RCFF 0.56R	RCFF 1R5	RCFF 1R5	RCFF 0.56R	RCFF 0.56R
DP21	IS1834	IS1834	IS1834	PFR852	PFR852
CL04	CPM 6M8 100V	CPN 6M8 100V	CPM 6M8 100V	CPM 6M8 100V	CPM 6M8 100V
RL04	RMOF 33R 1W	RMDF 33R 1W	RMDF 33R 1W	RMDF 18R 1W	RMDF 18R 1W

TABLE OF DIFFERENT VALUES - TABLE DES DIFFERENTES VALEURS •

** TX 91 TABLE

NORM	BOOKS		BGHILL		BGDKK'		BGHILL'	
	COLOUR	PS	PS	PS	PS(NTSC VIDEO)	PS(NTSC VIDEO)	PS(NTSC VIDEO)	PS(NTSC VIDEO)
SCREEN SIZE		14"	20"	14"	20"	14"	14"	14"
CR81				FOR DC-DC CONVERTER				
CH08/CH14/CV08/CH16/CH04/CH17				TO BE DEFINE				
CA28/CA21/RH17/LH04				FOR STEREO BOARD				
L987				FOR CHIN BOARD ONLY				
CK97/CK06/CK08/CK18				TO BE DEFINE				
TXT BOARD				OPTION TOCOM 213614504 PAGE				
STEREO MODULE				OPTION STEREO MODEL TOCOM : 20420570 (MCAM/STEREO TOCOM : 20335240)				
BA04/JAMS				WITH BABA DELETED JAMS				
BT01/AT1A	20174620	8174654	20174620	20174650	20174670	20174620		
CR19/CR20/CR21/CR22				TO BE DEFINE				
BR01				OPTION FOR DOUBLE SCART				
BR06				OPTION FOR PSM LED INDICATOR				
CA29				TO BE DEFINE				
CA21								
CC21								
CC23								
RC23								
CF81								
RF92								
RR69				INSERTED 1K8 FOR CLK/RADIO OPTION.				
RR72				INSERTED 1K8 FOR CLK/RADIO OPTION.				
RT66 RT76 CT56 CT66 CT76				TO BE DEFINE				
BR09				INSERTED FOR CLK/RADIO OPTION.				
DR08 JR50 JA25 RA67 TA04				DELETED WITH CLK/RADIO OPTION				
TA05 DA84 DA05 CA14 CA08								
OK81				OPTION FOR ATTACHED KEY BOARD ONLY				
CP10				TO BE DEFINE				
BR07, RR84				TO BE DEFINE				
RR25				RCFMN 20K FOR 14"				
LP01, JP08, JP11				DELETED LP01 & REPLACE BY STRAP 10 MM (JP08,JP11) (POWER CORE MUST USED 2 X 30UH SUPPRESSION CHOKE) (FOR BGHILL' SET ONLY)				
RI17/ LH04				FOR STEREO BOARD				

DIFFERENCE BEETWEEN PSN BGDKK', PAL BG AND PAL I

POS	PSN BGDKK' (NTSC VIDEO)	PAL BG (NTSC VIDEO)	PAL I (NTSC VIDEO)
C163	CCMIN INF 50V	RCFMN 0 OHM	RCFMN 0 OHM
C164	CCMIN 4N7 16V M	DELETED	DELETED
C165	CCMIN 47P8 50VJ	DELETED	DELETED
C166	CCMIN 38P8 50VJ	DELETED	DELETED
C167	CCMIN 6P8 50V	DELETED	DELETED
C168	CCMIN 6P8 50V	DELETED	DELETED
D133	STRAP 0.6X4.5X12.5	DELETED	STRAP 0.6X4.5X12.5
D134	STRAP 0.6X4.5X12.5	STRAP 0.6X4.5X12.5	DELETED
D160	DIODE DA282	DELETED	DELETED
L161	LA7X7 29.05MHz	DELETED	DELETED
Q01	FILSW K2955M	FILSW Q1962M	FILSW J1952M
Q131	FILC 6.5MHz	DELETED	FILC 6MHz
Q132	FILC 5.5MHz	FILC 5.5MHz	DELETED
Q133	FILC 5.5MHz	DELETED	FILC 6MHz
Q134	FILCTR 5M74	FILCTR 5M74	DELETED
R104	RCFMN 60R 0.1WJ	RCFMN 0 OHM	RCFMN 0 OHM
R127	RCFMN 60R 0.1WJ	RCFMN 56R 0.1WJ	RCFMN 56R 0.1WJ
R160	RCFMN 0R	DELETED	DELETED
R162	RCFMN 2K7R 0.1WJ	DELETED	DELETED
R163	RCFMN 150KR 0.1WJ	DELETED	DELETED
R178	RCFMN 2K7R 0.1WJ	DELETED	DELETED
R171	RCFMN 2K7R 0.1WJ	DELETED	DELETED
R172	RCFMN 3K9R 0.1WJ	DELETED	DELETED
T102	SMD BC848B	DELETED	DELETED
J412	STRAP 0.6X4.5X10	DELETED	DELETED
JR39	RCFMN 0 OHM	DELETED	DELETED

MICROPROCESSOR

RF NORM / SOUND	L,AN	BG,FM5.5	I,FM6.0	DKK',FM6.5
PIN 12 (BG TRAP)	0	1	0	0
PIN 31 (SOUND SW)	1	1	0	1

DIFFERENCE BEETWEEN MONO & ISTEREO 20" (BGHILL')

^BRAND

	PIN9	PIN8
TELEFUNKEN	0	1
BRANDT/SABA/FERGUSON	1	0
THOMSON/MND	1	1

* CRT IC VERSION

	14"	17"	20"	21"
RT06	62R	62R	220R	220R
CT06, RT10				
RT26, RT46			TO BE DEFINE	

@ VOLTAGE FOR CRT

	14"	20"	21"
160V	180V	180V	180V

**COMPONENTS LOCATION - LOCALISATION DES ELEMENTS - LAGE DER BAUTEILE
LOCALIZZAZIONE DEGLI ELEMENTI - LOCALIZACION DE LOS COMPONENTES**

Solder side - Cote soudure - Lotseite - Lato saldature - Lado soldaduras

11 »»	CP39 EO	JL16 A3	RI10 D10	RR38 E6	YA01 G11
	CR04 H9	JR01 G6	RI11 E9	RR43 J9	YA03 C11
	CR05 K9	JR14 K7	RI12 C10	RR44 K10	YA04 C11
	CR11 J10	JR18 K11	RI13 C11	RR45 J10	YA05 B11
	CR12 J9	JR20 H8	RI1S RIO	RR46 J10	YA06 B10
CA01 G11	CR13 J9	JR21 L7	RI17 D10	RR47 F6	YA07 B10
CA05 F11	CR14 H8	JR22 H11	R119 D8	RR49 H8	YC01 A6
CA06 G11	CR15 H8	JR23 L7	R120 D9	RR50 H8	YC02 C6
CA07 F11	CR16 K8	JR26 J11	R121 D8	RR51 H9	YC03 06
CA08 F11	CR17 J9	JR27 K8	R122 E9	RR52 H8	YC04 C8
CA09 C11	CR19 L10	JR29 K9	R123 D8	RR54 H8	YC05 C8
CA17 AH	CR20 K10	JR30 K9	R124 D8	RR63 K11	TI-01 AS
CA20 E11	CR21 K10	JR31 J8	R125 E8	RR64 K11	YFO3 A4
CA21 E11	CR22 K10	JR34 J11	R127 F8	RR65 K11	YFO4 A4
CC01 A7	CR24 K7	JR35 K11	R129 F7	RR66 H8	YFO5 C6
CC02 C7	CR27 J9	JR36 K11	R130 B7	RR67 H9	YFO6 C6
CC03 C7	CR28 H9	JR39 J10	R132 F8	RR69 K8	YFO7 C6
CC10 06	CR90 J11	JR42 H11	R133 F7	RR71 J7	YFO8 C6
CC11 C6	CV03 B7	JR43 H10	R134 F8	RR72 J9	YFO9 A4
CC12 C5	CV04 C7	JR45 J8	R135 G9	RR73 J9	YFO10 B3
CC13 D6	CV05 B8	JR57 K10	R138 F7	RR74 F7	YFO11 B4
CC14 C6	CV06 B8	JR58 K10	R140 G9	RR75 J7	YFO12 C9
CC18 D6	CV07 B8	JR59 K8	R141 G8	RR78 J10	YFO13 G10
CC19 C7	CV08 F6	JV02 A5	R142 G7	RR79 J10	YFO14 J11
CC20 D7	CV09 B5	JV07 A9	R143 G7	RR80 J10	YFO15 H9
CF01 A3	CV10 B7	JV40 D5	R144 B9	RR81 J9	YFO16 F7
CF02 A3	CV11 B7	JV46 E7	R145 A8	RR83 H8	YFO17 H7
CF11 A4	CV12 B7		R147 G10	RR84 H7	YFO18 C10
CF21 A2	CV15 D7		R150 E9	RR85 H8	YFO19 D10
CH03 C9	CV17 C7		R152 E9	RR86 H8	YFO20 F7
CMOS B10	CV18 C7		R153 D8	RR87 K8	YFO21 C9
CH09 B9	CV19 C7		R154 D8	RV01 C5	YFO22 C9
CH10 A10	CV20 C7		R155 E8	RV05 B8	YFO23 E8
CH14 B10	CV21 B8		R156 E7	RV07 B8	YFO24 E10
CH15 B10	CV22 C8		R157 E7	RV09 B8	YFO25 A1
CH16 A10	CV23 C8		R160 D10	RV11 A7	YL02 B1
CH17 A9	CV24 C7		R162 D10	RV15 B6	YL03 CO
C101 A8	CV25 C8		R163 D10	RV16 B6	YL04 CO
C102 A8	CV27 C7		R164 E9	RV17 B6	YL05 C1
C103 A8	CV28 C7		R170 H11	RV18 B6	YL06 C3
C104 A9	CV30 A5		R171 J11	RV21 C7	YL08 G4
C105 C10	CV31 A9		R172 E9	RV24 C6	YL09 C4
C107 D9	CV34 C4		R172 J11	RV25 C5	YL10 D4
C108 D9	CV35 B7		R174 D8	RV26 C8	YL11 D4
C110 E10	CV40 A5		RK07 K9	RV28 06	YP01 J3
C113 F10			RK08 J9	RV29 06	YP02 J1
C118 D11			RK12 L10	RV30 C8	YP03 J2
C119 F9			RK13 L10	RV31 E7	YP04 G1
C123 E9			RC04 D6	RV35 B6	YP05 HO
C124 F9			RC05 D5	RV37 F6	YP06 GO
C125 E9			RC06 C7	RV38 F6	YP07 02
C127 E8	JA01 E11		RC07 D7	RV39 F6	YP08 EO
C128 E8	JA04 A8		RC08 D5	RV40 B5	YP09 HB
C131 F8	JA05 A11		RC20 D7	RV42 F7	YR01 G7
C133 E9	JA06 E11		RC23 D6		YR02 J9
C134 E8	JA13 A10		RF06 B5		YR03 J9
C136 G8	JA17 G10		RF07 C4		YR04 H9
C137 F7	JA18 H10		RF08 B4		YR05 J9
C138 G10	JA38 E11		RF11 A3		YR06 J9
C139 G9	JC03 B7		RF12 A3		YR07 H9
C152 E8	JF01 A4		RF13 A3		YR08 H9
C153 E7	JF02 B4		RF15 A4		YR09 J8
C160 D8	JH02 C9		RF21 A2		YR10 H9
C162 D9	JH03 B10		RF22 A2		YR11 K8
C163 D10	JH09 C9		RF31 C3		YR12 J6
C164 J11	JI01 D9		RF32 C4		YR13 H9
C165 D9	JI02 D9		RF33 C4		YR14 H9
C166 D9	JI04 E10		RF34 C4		YR15 J9
C167 C10	JI05 E8		RF35 C4		YR16 J8
C168 010	JI06 E10		RH04 J8		YR17 J8
C169 E9	JI08 08		RH05 J8		YR18 J8
C170 67	JI09 G9		RH06 C9		YR19 J8
C171 F8	JI15 A9		RH07 B9		YR20 J8
CK04 L6	JI18 A8		RH09 K7		YV01 C8
CK05 J9	J121 D10		RH10 J7		YV02 B6
CK06 L9	J123 F8		RH13 C9		YV03 B6
CL02 AO	J124 F10		RH14 B9		YV04 B6
CL14 D4	J125 F10		RH15 A9		YV05 B6
CL22 C4	J136 F9		RI03 C10		
CP07 H3	J137 F9		RI04 D10		
CP19 G2	JK08 L10		RI05 D9		
CP23 H2	JK19 L6		RI06 D9		
CP26 H1	JL04 CO		RI07 D9		
CP28 H1	JL12 B3		RI09 D10		

ABBREVIATIONS - ABREV1AT10NS -ABKURZUNGEN - ABBREVIAZIONI - ABREVIACIONES

ABL	AVARAGE BEAM LIMITATION REGULATION DU SOURANT DE FAISCEAU
AF	AUDIO FREQUENCY FREQUENCE AUDIO
BCL	BEAM CURRENT LIMITATION LIMITATION DU COURANT DE FAISCEAU
DEG. COIL	DEGAUSSING COIL BOBINE DE DEMAGNETISATION
FB	FAST BLANKING COMMUTATION RAPIDE
H	HORIZONTAL DEFLECTION SIGNAL SIGNAL DE COMMANDE BALAYAGE HORIZONTAL
HTR	HEATER TENSION DE FILAMENT
I CUT	CUTOFF CURRENT COURANT DE CUTOFF
IP	DATA FROM INFRARED RECEIVER DONNEES ISSUES DU RECEPTEUR INFRAROUGE
SCL	SERIAL CLOCK SIGNAL HORLOGE SERIE
SDA	SERIAL DATA DONNEE SERIE
SIF	SOUND IF FISON
VAMP	VERTICAL AMPLITUDE AMPLITUDE VERTICALE
V POS	VERTICAL POSITION POSITION VERTICALE ,
VT	TUNING VOLTAGE TENSION DU TUNER
-V	VERTICAL DEFLECTION SIGNAL SIGNAL DE COMMANDE BALAYAGE VERTICAL

Ersatzteile • Spare parts list • Liste de pieces de rechange • Lista parti di ricambio

Liste de piezas de recambio

Wichtig: Bei Ersatzteilbestellungen bitte unbedingt die entsprechende Bestellnummer angeben!
N. B.: When demanding Spare Parts it is absolutely necessary to quote the corresponding part number!
Important: Lors d'une commande de pieces de rechange, priere d'indiquer et tout cas le numero de la piece!
Importante: Ordinare sempre con il numero correspondenti di codice!
Importante: Pedir siempre los recambios con el numero correspondiente **codigo!**

Pos.	Art.-Nr. Part No.	Bezeichnung	Part	Pos."	Art.-Nr. Part No.	Bezeichnung	Part
		MOOULE/AUSTAUSCHTEILE:	EXCHANGE PARTS:	DP09	309.325.927	1N4141 DiOd*	1N414 «04od»
		MTM4045 TUNER	MTM4045 TUNER	DP10	309.325.927	1N4146 0>d*	1N4148 Diode
MTM4045	202.413.WI	CHASSIS-TE1LE	CHASSIS PARTS	DP11	309.325.951	1N4001 D>d*	1N4001 Diode
		Siiinfsf 2polig. UP	2 pin contact housing	DP12	309.325.951	1N4001 Diode	1N4001 Diode
BA01	231.0—	ScartbuchrZlpoKg	Scan lockal	OP13	309.325.951	1N4001 Diode	1N4001 Diode
BE01	3m.6St.001	Caitiod* ray tub* sockt	Confct strik i0*pol«	DP20	490.007.6951	BYT13-800 Diod*	BYT13-800 Diod*
BT01	201.746.20	BlikjronrfHiung	Camoda fy tub* lock!*	DP21	204.037.70	BYT52G Diode	BYT52G Diode
BT01	353.902.1000	BildroDrlaxung	Contctx strip 10-pol*	DP21	490.006.0461	PFR852 D.o.d*	PFR852 Diode
BT02	905.903.50	Stitleiste lOpollg RD UF	DR04	464.358	ZPD0.2 0.5W 2-Diode	ZPD8.2 0.5W Z-Oiod*	
BV01	309.650.064	Stitttiisr lOpolg UF	OROS	309.325.927	1N4149 Diode	1N4148 Diode	
BV02	905.903.50	S(iii1 «rt* lOpolg RD UF	OR06	309.325.927	1N4146 OIod*	1N4148 Diod*	
BV03	309.650.092	Stittl*iat*. 4polk) Li*gnd	DTOt	464.358	ZPD8.2 0.5W Z-Oiod*	ZPD8.20.5WZ-O.Od*	
BX01	309.650.087	Still*isle, lOpogH. Natuf U	OT21	309.325.927	1N4148 Diode	1N4148 Diode	
CH12	490.006.0607	10NF 250V 20% Keramik-Konden*stor	OT22	309.325.927	1N414B Diod*	1N4148 Diode	
CL04	101.B57.70	ON3F 1K6V 3.5% Filmkond*ne*tor	OT23	464.879	BAV21 Diode	BAV21 Diode	
CL04	256.909	7N6F 1K6V 3.5% Filmkondwtof	DT41	309.325.927	1N4148 Diode	1N4148 Diode	
C1.04	490.007.6232	7NOF tK5V3.5. Filmkondenselor	DT42	309.325.927	1N4140 Diode	1N4148 Diode	
CL05	309.433.766	39CNF 250V 10% MKP-Kondenflor	DT43	464.879	BAV21 Diod*	BAV21 Diode	
CL05	266.243	330PF 1KV 10% Kenmik-Kondanutor	DT50	309.325.927	1N414aOode	1N4148 Diode	
CL12	490.006.0607	10NF 250V 20% K*mlk-Kond*n*tor	OTS1	462.299	BAV21 Diode	BAV21 Diode	
CL15	266243	330PF 1KV 10% Keremik-Konden—tor	OT52	309.325.927	1N414B D*da	1N4148 Diode	
CL17	243879	330PF 400V 20% Kefamik-Kondensator	DT60	309.325.927	1N4148 Diode	1N4148 Diod*	
CL18	242272	680PF 2KV 10% K*ramik-Kond*n*or	OT6	309.325.927	1N414a Diode	1N4148 Oiod*	
CL18			OT61	462.299	BAV21 Diode	BAV21 Diode	
CLIO	266.243	330PF 1KV 10% Keremik-Kondanutor	OT62	309.325.927	1N414B Diode	1N4148 Diode	
CL12	490.006.0607	10NF 250V 20% K*mlk-Kond*n*tor	DT63	464.679	BAV21 Diode	BAV21 Diode	
CL15	266243	330PF 1KV 10% Keremik-Konden—tor	OT70	309.325.927	1N4148 Diode	1N4148 Diode	
CL17	243879	330PF 400V 20% Kefamik-Kondensator	DT71	462.299	BAV21 Diode	BAV21 Diode	
CL18	242272	680PF 2KV 10% K*ramik-Kond*n*or	OT72	309.325.927	1N414B Diode	1N4148 Diode	
CP01	252320	OU1F 27SV20%MP-Kono*n—tor	DT75	309.325.927	ZPD8.2 0.5W Z-DiodW	ZPD8.2 0.5W Z-Dkld*	
CP04	203.867.60	1NF 1KV 10% K*ramik-Kond*n*tor	DT66	309.325.927	1N4148 Diod*	1N4146 Diod*	
CP05	309.442.972	1NSF 1KV K*amilk-KondTT «Of	DV01	309.325.927	1N4148 D>d*	1N4148 Diode	
CP06	309.440.660	1NF 1KV 50% KerTDik-Kondensator	OV02	309.325.927	1N4148 Dioda	1N4148 Diode	
CP07	490.007.2242	100UF 400V Elk	OV03	309.325.927	1N414B Diode	1N4148 Diode	
CP09	203.687.60	1NF1KV10%Ker*mlk-Kondn*tor	OV04	309.325.127	BZX55BBVZ2-Z-Diod*	BZX55BBVZ2-Z-Diod*	
CPU	243.879	330PF 400V 20% K*mlk-Kondenietor	OU1F	275V 20% MPoly cap	OU1F 275V 20% MPoly cap		
CP16	309.440.660	1NF 1KV 50% K*mlk-Kondensii(or	DV01	309.325.927	1N4148 Diode	1N4148 Diode	
CP21	101.09560	4N7F 400V 20% Ker*mlk-KondensHor	OV02	309.325.927	1N4148 Diode	1N4148 Diode	
CP21	309.951.997	Schutzkappe P.CP21/49/50	OV03	309.325.927	1N4148 Diode	1N4148 Diode	
CP29	490.006.0601	270PF 2KV 10% Kef-mik-Kondenstlof	OV04	309.325.927	1N4148 DOOff	1N4146 Dioc*	
CP35	266.243	330PF 1KV 10% KerHlik-Konden—lor	FP01	309.627.506	1.6AT Sicherung	1.6AT FUM	
cpae	309.419.426	150UF 200V Elto	FP01	309.627.506	1.6AT Sicherung	1.6AT FUM	
CP40	243.879	330PF 400V 20% K*mlk-Kond*nutor	IA01	202.031.20	TDA7253 1C	TOA725S 1C	
			IA01	202.992.40	Morfgeclip	Chp	
CT03	140.360.20	2N2F 2KV 50% K*rimlirkond*n*tor	IC01	203.357.50	TDA4685 1C	TDA4MS 1C	
CT82	246.746	2U2F 250V Elk	IF01	309.368.733	TDA1771 1C	TDA1771 1C	
CT ⁴	238.221	10NF 250VAC 400V Kenmik-Kondensetof	IF01	309.903.644	Montageclip	Clip m*t1	
CT85	309.442.978	1NF2KV20%KTBrnk-Kondensator	IF02	309.368.733	TDA1771 1C	TDA1771 1C	
DA05	3M.12f.111	BZX55B2V7 Z-Diod*	IF02	309.903.644	Montageclip	Clip m*t1	
DC01	464.371	ZPD5.1 Z-DkKf	IF03	243.022	X24C04 1C	X24C041C	
			IF03	490.008.0379	X24C04 1C	X24C041C	
DT01	309.325.951	1N4001 Oiod*	IK01	101.324.10	TFMK1330T 1C IR-Vorvreifrkf	TFMK1330T 1C	
OF02	309.325.927	1N4148 Diode	IP01	309.368549	TEA2261 1C	TEA2261 1C	
OF21	309.325.927	1N4148 DiOD*	IP01	309.368549	TEA2261 1C	TEA2261 1C	
OF22	309.325.927	1N4148 Oiod*	IR01	203.735.40	ST9291J6B11Cprog. o. S.	ST9291J6B1 1C	
OH01	353.111.2001	ZTK33C 1C	IR01	251.230.90	ST9291J6B11C prog. m. S.	ST9291J6B1 1C	
OK01	202.185.20	LTL-4263 Oiod* LED rot	IR01	309.669966	IC-Fllsung 42polig	(C socket 42pol*	
DK01	239.018	Hairr. LED	IR02	309.669966	TDA81391C	TDA81391C	
OK03	202.985.20	LTL-4263 DiOd* LEO rot	IR03	243.022	Montageclip	Clip m*elal	
MK03	203.820.60	HiIfr LED	IR03	490.008.0379	X24C04 1C	X24C041C	
OL01	309.325.927	1N4146 Diod*	IT01	202.992.40	Montgeclip	Chp	
DL02	204.037.70	BYT52G Diod*	IT01	309.368.606	TEA5101AIC	TEA5101AIC	
DL04	204.037.70	BYT52G DiOd*	IV01	201.656.10	STV21181C	STV21181C	
OL03	204.037.70	BYT52G Diod*	IV01	309.669 966	IC-Fassung 4;oo<tg	1C socket42pol*	
DLM	204.037.70	BYT52G DiOd*	IR01	203.061.50	CF72024 1C	CF72024 1C	
DL07	309.325.951	1N4001 DiOd*	IR02	203.061.60	CP72306 IC	CF72306 1C	
DLM	309.325.951	1N4001 Oiod*	IR03	309.368.470	UA7805CSP/MC7605 1C	UA7B05CSP 1C	
DL12	309.325.927	1N4148 Diode	IR01	339.349512	47UH Drosiel	47UH RP choke coll	
OL13	243.375	BZX55B13V Z-Diode	IR02	339.349512	47UH Dfool	47UH RF choke coll	
DL20	309.325.927	1N414B Diod*	IR03	309.250.968	OUE6H Orotsei	OUE6H RF choke001	
01.21	309.325.927	1N41480K)d*	IR03	266.716	22UH Oroasel	22UH Choke	
DL23	309.325.927	1N414a Otod*	IR03	150.401.10	3U3H 10% Dros*I	3U3H 10% Chok*Coil	
DP01	102.661.30	M100M Oiod*	IR03	203.109.30	38M9HZ Filter LA7x7	38M9HZ Filter	
DP02	102.661.30	M100M Diod*	IR03	004.710.3676	12UH 10% DfdifJ	12UH 10% Choke coll	
DP03	102.661.30	M100M Diod*	IR03	130.206.00	5U6H 10% Orossel	5U6H 10% Choke coll	
DP04	102.661.30	M100M DiOd*	IR03				
DP08	490.001.1567	BYT11-600 Oiod*	IR03				
DPW	204.037.70	BYTS2Q Diod*	IR03				
OP07	204.037.70	BYT52G Diod*	IR03				
DPO»	204.037.70	BYT52O Diod*	IR03				
			LL01	243.866	Tfeibertnfiofm.Hof	H-Drvl transformer	
			LL03	309.249.377	S8UH Spul*. H-Limritkt	58UH H-Linearity coll	

Ersatzteile • Spare parts list • Liste de pieces de rechange • Lista parti di ricambio

Liste de piezas de recambio

Wichtig: Bei Ersatzteilbestellungen bitte unbedingt die entsprechende Bestellnummer angeben!
N. B.: When demanding Spare Parts it is absolutely necessary to quote the corresponding part number!
Important: Lors d'une commande de pieces de rechange, prire d'indiquer et tout cas le numero de la piece!
Importante: Ordinare sempre con il numero correspondente! di codice!
Importante: Pedir siempre los recambios con el numero correspondiente **codigo!**

Pos.	Art.-Nr. Part No.	Bezeichnung	Part	Pos~	Art.-Nr. Part No.	Bezeichnung	Part
		MODULE/AUSTAUSCHTEILE:	EXCHANGE PARTS:				
MTM4045	202.483.90	MTM4045 TUNER	MTM4045 TUNER	DP09	30932S.927	1N4148 DiOd*	1N4148D100*
		CHASS1S-TE1LE	CHASSIS PARTS	DP10	309.325.927	1N4148 D'od*	1N4148 Diod*
BA01	21>.OM	Stiftfrr ipoig. UP	2 pin contact Flouting	OP11	309.325.951	1N4001 D'0d*	1N4001 Diode
BE01	309*51 001	Scartbkichse21polfg	Scan *ocke(OP12	309.325.951	1N4001 Diode	1N4001 Diode
BT01	201.746.20	Biktronfassung	Cathode ray tub* sockt	DPI3	309.325951	1N4001 DiOd	1N4001 Diode
BT01	353.902.1000	Bildohrlaauung	Ca-noae ry tube >ockl	OP20	490.007.6951	BYT13-800 Diod*	BYT13-800 Diod*
BT02	905.903.50	Sim*ist* IQpoliffl RD UF	Conrct >trip 10-pol*	DP21	204.037.70	BYT52G Diod*	BYT52G Diode
BV01	309.650.04e	StilUeisle IOpolig UF	Contact itrip 10-por	DP21	490.008.0461	PFR852 Dioda	PFR852 Diode
BV02	905.903.50	StilUerte IOpolig RD UF	Confci >trip 10-pol*	OP22	204.037.70	BYT52G DIOO*	BYT52G Diode
BV03	309.950.092	Stilt*!*. 4polig Uegend	Contact atrip, 4-pol<	DR04	464.358	ZPD8.2 0.5W Z-Diod*	ZPD8.2 0.5W Z-Diod*
8X01	309.650.087	Stillelele. Iopohg. NaturU	Contact <trip, 10-pol<	DB05	309.325.927	1N4148 Oiod*	1N4148 Diod*
CH12	490.008.0607	10NF 250V 20% K*ramik-Kond*nator	10NF 250V 20% C cap	OR06	309.325.927	1N4148 OIod*	1N4148 Diode
CL04	101.657.70	6N3F 1K6V 3,5% Filmkondenaator	6N3F 1K6V 3,5% Film c*p	DT01	464.358	ZPD8.2 0.5W Z-Oiod*	ZPD8.2 0.5WZ-Oiod*
CL04	258.909	7N6F 1K6V 3,5% FilmkondenaatOf	7N6F 1K6V 3,5% Film dp	OT21	309325.927	1N4148 D*od*	1N4148 Diod*
CL04	490.007.8232	7N0F 1K5V 3,5% Film cap	7N0F 1K5V 3,5% Film cap	OT22	309.325.927	1N4148 D*od*	1N4148 Diode
CL05	309.433.786	390NF 250V 10% MKP-Kond*nator	39CNF250V 10%Fitmc c*p	DT23	464.879	BAV21 D.od*	BAV21 Diode
CL05	309433.775	470NF 250V 5% MKP-KondenaaiOf	47CNP 250V 5% Capacitor	DT41	309.325.927	1N4148 Diodi	1N4148 Diode
CL12	490008.0607	10NF 250V 20% Keramik-Kondensator	10NF 250V 20% Ccap	DT42	309.325.927	1N4148 Diodi	1N4148 Diode
CH5	266.243	330PF 1KV 10% Keramik-Kond*nutor	33CPF 1KV 10% C cap	OT43	464.879	BAV21 DiOd*	BAV21 Diode
CL17	243.879	330PF 400V 20% Keramik-Kondensator	330PF 400V 20% C cap	DT50	309.325.927	1N4148 DiOd*	1N4148 Diode
Clia	242.272	6BOPF 2KV 10% K*ramik-Kond*nsator	66CPF 2KV 10% C cap	OT51	462.299	BAV21 DiOd*	BAV21 Diode
CPO1	252.120	OU1F 276V 20% MP-Kond*n—tor	OU'F 275V 20% MPoty cap	DT52	309.325.927	1N4146 Dioda	1N4146 Diode
CP04	203.887.60	1NF 1KV 10% K*ramik-Kondenaator	1NP 1KV 10% C cap	DT60	309.325.927	1N4148 Diode	1N4148 Diode
			1N5P 1KV Ccap	DT66	309.325.927	1N4148 OIodi	1N4148 Diode
CP06	309.440.680			OT61	462.299	8AV21 Diode	8AV21 Diode
CP07	490.007.2242	100UF 400V Elho	100UF 400V E cap	OT62	309.325.927	1N4146 Diode	1N4148 Diode
CP08	203.867.80	1NF 1KV 10% Kef*mk-Konden*»of	1NF 1KV 10% C cap	OT63	464.679	BAV21 DiOd*	BAV21 Diode
CPU	243.679	330PF 400V 20% Ker*(nik-Konden*alor	330PF 400V 20% Ccap	DT70	309.325.927	1N41480ode	1N4148 Diode
CP16	309.440.660	1NF 1KV 50%Kefmk-Kondenaator	1NF 1KV 50% C cap	OT71	462.299	BAV21 Diode	BAV21 Diode
CP21	101.09980	4N7F 400V 20% Kefmk-Kondennator	4N7F 400V 20% Ccap	DT72	309.325.927	1N4148 Diodi	1N4148 Diode
CP21	490.008.0601	270PF 2KV 10% Klamik-Kondensator	27CPP2KV10%CCap	DT85	464.358	ZPD8.2 0.5W Z-Diod*	ZP09.20.5WZ-DtOd*
CP29	270PF 2KV 10% Klamik-Kondensator	330PF 1KV 10% K*ramik-Kond*naator	330PP 1KV 10% C cap	DT86	309.325.927	1N4148 DOD*	1N4148 Diode
CP35	266.243	150UP 200V Eiko	150UP 200V E cap	DV01	309.325.927	1N4148 Diode	1N4148 Diode
CP36	309.419.428	150UP 200V Eiko	150UP 200V E cap	DV02	309.325.927	1N4148 Diode	1N4148 Diode
CP40	243.679	330PF 400V 20% K*famik-Kond*n—tor	330PP 400V 20% C cap	OV03	309.325.927	1N4148 Diode	1N4148 Diode
				DV04	309.325.127	BZX5568V; Z.D.od*	BZX55B8V2 2-DoDe
CT03	140.360.20	2N2F 2KV 50% Kftramik-KondTrator	2N2F 2KV 50% Ccap	OX01	309.325.927	1N4148 D.ode	1N4148 Diode
CT82	248.746	2U2F 250V Elko	2U2F 250V E cap	OX02	309.325.927	1N4148 Diode	1N4148 Diode
CT84	23(221	10NF 250VAC 400V Keramik-Kondensator	10NF C cap	OX03	309.325.927	1N4148 DioOe	1N4148 Diode
CT85	309.442.978	1NF 2KV20%Keramik-Kondenaator	1NF2KV20»CC «p	OX04	309.325.927	1N4148 Diode	1N4148 Diode
DA05	31M.32i.UI	BZX55B2V7 Z.Chd*	8ZX55SB2V7Z-Ooda	FP01	309627.508	1.6AT SchTung	1.6ATFuee
OC01	464371	ZPD5.1 Z-Diod*	ZPD5.1 Z-DiodW	IA01	202.031.20	TDA72531C	TDA72S31C
				IA01	202.992.40	Monlageclip	Chp
DFO1	309.325.951	1N4001 Diod*	1N4001 Diod*	IC01	203.357.50	TDA46651C	TOA46651C
DF02	309-325.927	1N4148 DiOd*	1N4148 DiOd*	IF01	309.368.733	TDA1771 1C	TOA177t 1C
DF21	309.325.927	1N4148 Diod*	1N4148 Diod	IF01	309.903.844	Montag*clip	Clip mfl
DF22	309.325.927	1N4148 Diodd	1N4148 DiOd*	I101	201.ef2.10	STVB224A 1C	STVB224A 1C
OH01	353.111.2001	ZTK33C IC	ZTK33C 1C	IK01	101.324.10	TFMK1330T 1C IH-VorratBrker	TFMK1330T 1C
DK01	202.9(6.20	LTL-4263 Diode LED rot	LTL-4263 Diod* LEO r*cl	IP01	309.368.549	TEA22611C	TEA22611C
DK01	239.018	Halter. LED	LEO rldw	IR01	203.735.40	ST9291J6B1 1C prog. S.	ST9291J6B1 1C
DK03	202.966.20	LTL-4263 Diod* LED rot	LTL-4263 Oiod* LED r*cl	IR01	251.230.90	ST9291J6B1 1C prog. m. S.	ST9291J6B1 1C
MK03	203.820.60	Halfr LEO	LEO holdw	IR02	309.368.734	IC-Fassung 420olig	(C socket 42pol*
				IR03	309.903.844	TDA81391C	TDA81391C
DL01	309.325.927	1N41480Iod*	1N4148 Diod*	IT01	202.992.40	Monlageclip	Clip
DL02	204.037.70	BYT52Q Diod*	BYT52G Diod*	IT01	309368606	TEA5101AIC	TEA5101A IC
DL04	204.037.70	BYT52G DiOd*	BYT52Q DiOd*	IV01	201.658.10	STV21181C	STV21181C
DLO1	204.037.70	BYT52G Oiod*	BYT52G DiOd*	IV01	309.689.966	IC-Fassung 420oltg	1C socket 42por
O106	204.037.70	BYT52G DiOd*	B<T52G DiOd*	1X01	203.061.50	CP70204 1C	CF70204 1C
DL07	309.325.951	1N4001 DiOd*	1N4001 DiOd*	1X02	203.061.60	CP72306 1C	CF72306 1C
DL06	309.325.951	1N4001 DiOd*	1N4001 DiOd*	1X03	309.368.470	UA7805CSP/MC7M5 1C	UA760SCSP 1C
DL12	309.325.927	1N4148 Oioda	1N4148 Diodd	LM01	339.349.512	47UH Dro*-I	47UH RF chok* coil
DL13	243.375	BZX55B13VZ.Diod*	BZXSSB13VZ-Diod*	LH02	339.349.512	47UH DfOtael	47UH RF Chok* coil
01-20	309.325.927	1N414B Diode	1N414B Diod*	LI01	309.250.988	0J56H Drossel	OU56H RF chok* 60U
OL21	309.325.927	1N4148 Diod*	1N4148 DiOd*	LI03	266.716	22UH Drossel	22UM Choke
DL23	309.325.927	1N4148 DiOd*	1N4148 DiOod*	L120	150.401.10	3U3H 10% Dror*I	3U3H 10% Chok* coil
				L129	203.109.30	36U9HZ Filfr LA717	38M9HZ Filfr
DP01	102.661.30	M100M DiOd*	M100M Diod*	L162	004.710.3876	12UH 10% Drosa*	12UH 10% Chok* coil
OP02	102.661.30	M100M Oiod*	M100M DiOd*	L163	130.206.00	SU6H 10% Drosael	SU6H 10% Chok* coil
DP03	102.661-30	M100M Diodt	M100M Dkjd*				
DP04	102.661.30	M100M Diodt	M100M Diode				
OPO*	490.001.1567	BYT11-600 Oiod4	BYT11-600 Diod*				
DPFM	204.037.70	BYT52G DiOd*	BYT52G Diod*				
OP07	204.037.70	BYT52G Diod*	BYT52G DiOd*				
OPW	204.037.70	BYT52Q Oted*	BYT52Q Diod*				
				LL01	243.888	Treibertranxformator	M-Driver transformer
				11.03	309.249.377	5BUH SDul*. H-Lirrarift	58UH H-Lineafiy colt

Ersatzteile • Spare parts list • Liste de pieces de rechange • Lista parti di ricambio

Lista de piezas de recambio

Wichtig: Bei Ersatzteilbestellungen bitte unbedingt die entsprechende Bestellnummer angeben!

N. B.: When demanding Spare Parts it is absolutely necessary to quote the corresponding part number!

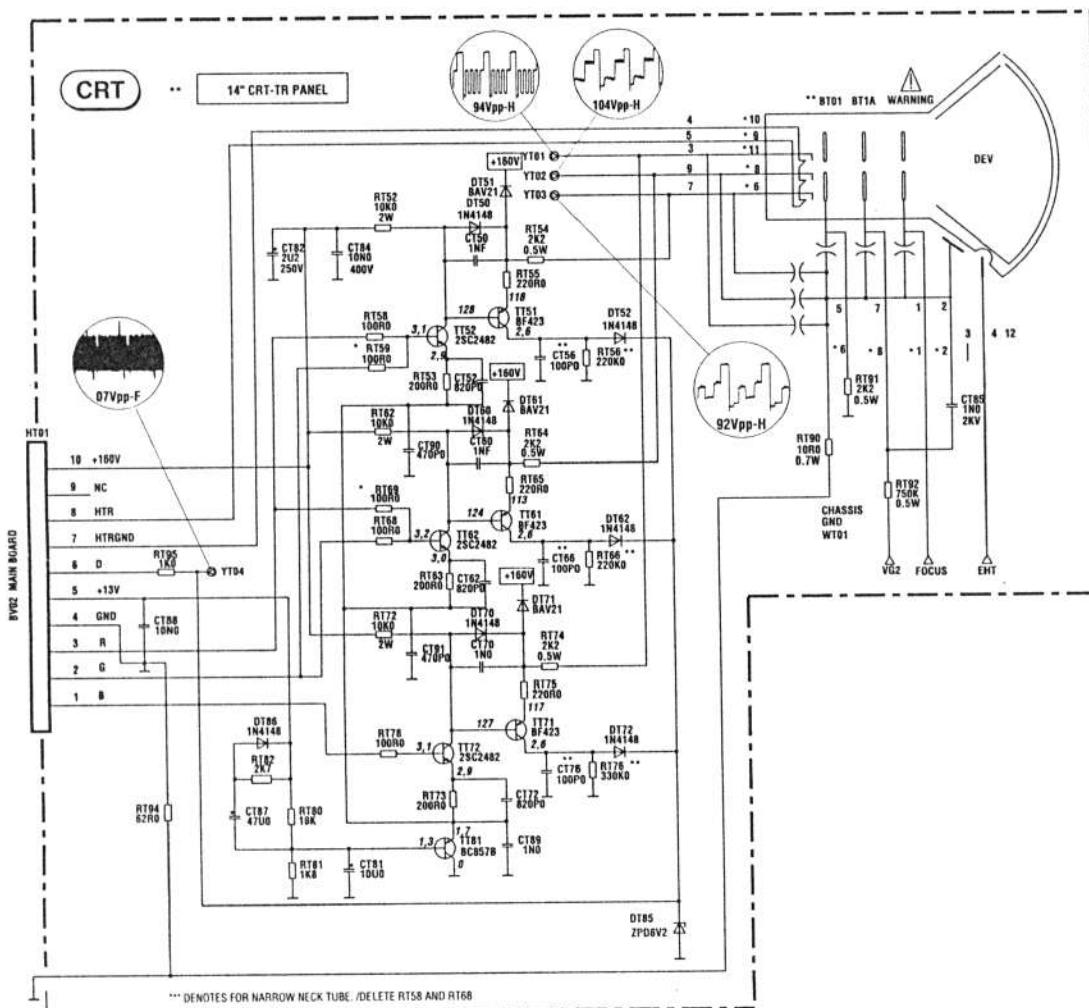
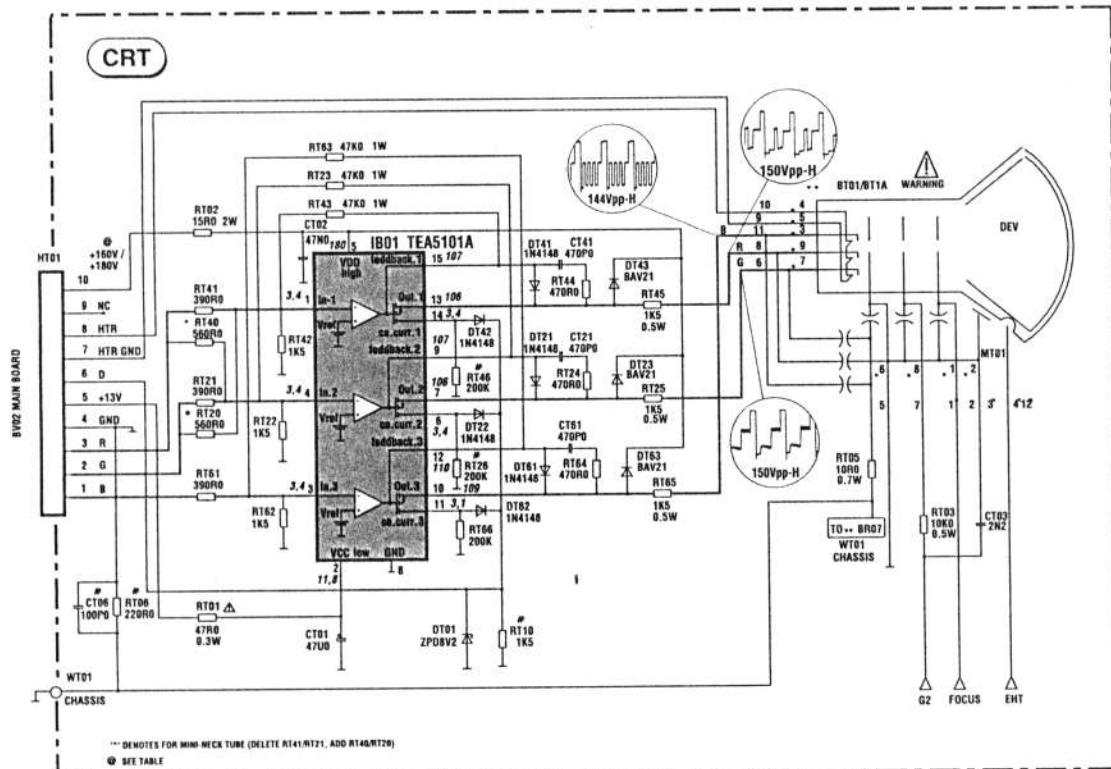
Important: Lors d'une commande de pieces de rechange, priere d'indiquer et tout cas le numero de la piece!

Importante: Ordinare sempre con il numero correspondenti di codice!

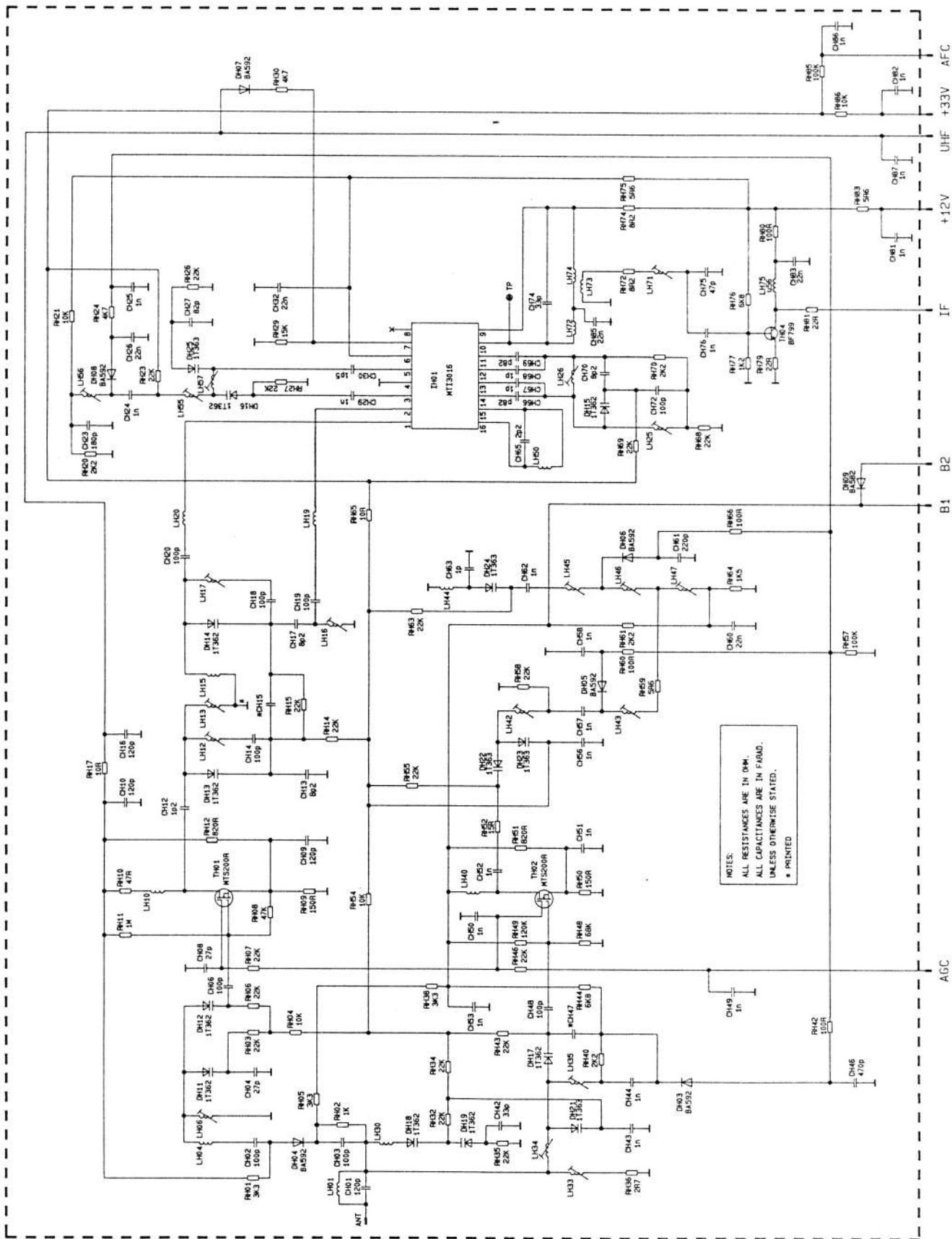
Importante: Pedir siempre los recambios con el numero correspondiente codigo!

Pos.	Art.-Nr. Part No.	Bezeichnung	Part	Pos.	Art.-Nr. Part No.	Bezeichnung	Part
LL03	490.007.8459	90UH Spule H-Lirwahtt	SOUM H-Linearity coil	RT01	253.081	S 47R 0.3W StCherh cits wider stand	47R 0.3W Fusible resistor
LL04	309.250984	50UH15% Oroifrl	50UH 15% Choke	RT02	130.013.50	15R 2W 5% Metfloxidwiderstand	15R 2W 5% Metal oxide resistor
LL05	20202880 !	Diodenapll-Trafo TX91 14' FCV-1410E18	Diode split transtoffTTf	RT03	404.349.80	10K0.5W5%W*afsiano	10K 0.5W 5% Resistor agglom.
LL05	203.832.80 *	Otdofslspfl-Tfafo TX91 20"	Diode split tranforTiM	RT23	101.337.80		
LLOS	251.233.40 5	D>d>nspfl-H.TrafoTX91 20' FCV-2010E07	Diode* split Irinsformw	RT25	101.218.80	1K5R 0.5W 5% Widersrnd	1K5R 0.5W 5% Resistor agglom.
LPO)	339.349.566 !	2X400UH NBzeingangUro—l	2X400UH Poww chok«	RT43	101.337.60		
LP02	203.979.40	30MH Siebarossel	30MH Plier choke	RT45	101.218.80	1K5R 0.5W 5% Widersund	1K5R 0.5W 5% Resistor agglom.
LP02	490.0060542	33MOH Sifbdrossel	Piffr choke	RT52	490007.8228	10KR2W 10% MetflexoxywideSiand	10KR 2W 10% Metal oxide resistor
LP03	203774.10 S	Trafo Schaltnetzfl	Swicifld mode power (rinformw	RT62	490.007.8228	47KR 1W 5% M«flkixy0w>derstand	47KR iw 5% Metal oxide resistor
LP03	203.979.40 E	Trafo Schalnetzfl ETS42A2-116ND	Swicrfld 'nod* power tfinitornw	RT63	101.337.80	1K5R 0.5W 5% Widerstand	1K5R 0.5W 5% Resistor agglom.
LP04	203.264.60	2U2H 10% Drossel	2U2H 10%Chok«coil	RT65	101.218.80	10KR2W10% Meuloxidywidiersland	10KR 2W 10% Metal oxide resistor
LPO*	203.264.50	4UH 10% Orossel	4UH 10%Chokacoil	RT72	490.007.8228		
LPW	203.264.50	4UH 10% Drossel	4UH 10%Choke coil				
LP01	150397.50	15UH 10% Orossel	1SUH 10% Choke coil				
LR01	266406	10UM Droeiw	IOUHChokccoU	RV02	258863	S	
MTO)	402.012.00	Clnch BucttM	Clnch oockt	RV41	150.099.70	S	3R9 0.3W 5% SicherheitswtdTsiend
P101	203.S13.20	10KR 30% Trnmwiderstand (legend	10KR 30% Trimmer r—iator	RX01	309.580.955 :		3R9 0.3W 5% Fusible resistor
PP01	309.509.204	470R Tnmmwiderstand. liegend	470R Trimmer reitor	SK01	105.106.00		Tact switch
OC01	100.877.10	4M433616HZQuirz	4M433G19HZ Crystal	SK01	404.474.1A		Tact switch
QC02	100.877.20	3M579545HZQuarz	3M579545HZ Crysfl	SK02	105.106.00		Tact switch
0101	404.03749	OFWG1962M Oberflchenwirnfiltter	Surfac` «equilic wvv tiffr	SK03	105.106.00		Tact switch
0132	278.341	SFTS.MA KeramikflHer	SFTS.6MA Cennic lliffr	SK03	404.474.1A		Tad switch
0114	203.381.70	70KHZ Kenmkiliter Trap	70KHZ Certmic filter trip	SK04	105.106.00		Tad switch
QR01	3C9.335.731	BMOHZ Quarz	8MOHZ Crytial	SK04	404.474.1A		Taktechirr
QV01	309.180.840	CSB503B Keramikfliffr	CS95039 CTitmic mil	SK05	101.759.10	S	Takischalter
QX01	261.323	13M875HZ Quarz	13M875HZCfyst»l	SK05	201.260.10	S	Mama switch
RA25	339.537.717	1R 0.3W 5% Sicnerneltwiderstand	1R 0.3W 5% Fusible resistor	TA05	339.555.241		Main« switch
RA21	246.406 S	470R 0.3W 5% Scherheitswidersand	470R 0.3W 5% Fusible resistor	TA0C	339555.241		
RF01	1SO.OM.70 !	2R2 0.3W 5% Sicherheitswiflafardnd	2R2 0.3W 5% Fusible resistor	TP21	339.555.241		BC848B Transistor
RF04	150.144.10	22R 0.4W 2% Melatilmwiderstand	22R0.4W 2% Metflltmrauxtor	TP31	102.762.40		BC848B Transistor
RHie	339.537.717 :	1R 0.3W 5% Sicnemeitswider stand	1R 0.3W 5% Fusible resistor	TP31	339.555.24t		BC848B Transistor
RM17	253.747 S	5R6 0.3W 5% Sicherheitawiderstand	5R6 0.3W 5% Fusible resistor	TH01	249.0(3		BC848B Transistor
BL01	130.838.20	390R 1W 5% Metalloxydwersland	390R 1W 5% Mittal oxide resistor	TH02	242.012		BC85a/C Transistor
RL07	309.580.952	1KR 0.5W 10% Sicherheitswidersand	1KR 0.5W 10% Fusible resistor	TH03	242.012		BC858/C Transistor
RL08	1015.13.20	iEr 2W 5% Metalloxidwiderstand	1BR 2W 5% Oxide metal resistor	TH04	242.012		BC856/C Transistor
RLM	309.536.942	33R 1W 5% Metalloxydwidestand	33R 1W 5% Metal oxide resistor	T101	242857		BC858/C Transistor
RLO*	490.006.7871	33R 2W 5% Metalloxydwidestand	33R 2W 5% Metal oxide resistor	T131	249.250		MMBT858B Transistor
RLM	203521.70	8R25W 10% Drahtwid erst and	8R25W10%Wiferes.slof	T132	339.555.241		MMBT848B Transistor
RL11			15R 0.5W 5% Fusible resistor	TK02	33LSS5.241		RC848B Truulfor
RL12	103.131.10 S	OR560 0.5W 5% Sicherheitswiderstand	OR560 0.5W 5% Fusible resistor	TL01	339.556.787		BC848B Transistor
RL13	103.054.50 ;	OR220 0.5W 5% Sicherheitswiderstand	OR220 0.5W 5% Fusible resistor	TL02	261.825		BC337-40 TranCtor
RL13	103.131.10 S	OR560 0.5W 5% Sicherheitswiderstand	OR560 0.5W 5% Fusibf resistor	TL02	309.005.026		ClipI
RL13	243743 S	1R 5 0.5W 5% Sicherheitswiderstand	1R5 0.5W 5% Fusible resistor	TL13	339.556.767		S2055AF Transistor
RL22	103.321.70	75KR 1W 5% Metalloxydwidestand	75KR 1W 5% Metal oxide resistor	TP01	102.067.60		BC337-40 Transistor
RL22			82KR 1W 5% Metal oxide resistor	TP01	281.825		BUL310XI Transistor
RP01	203.696.40	5R1 5W 10% Drshlwid er stand	5R1 5W 10% Wire resistor	TR01	339.555.241		BC848B Transistor
RP02	110.651.00 S	25R 220V PTC-Widerstand	25R 220V PTC resistor	TR08	339.555.241		BC846B Transistor
RP03	203.102.40	1K 7W 5% Drahtlwid stand	1K7W 5% Wire resistor	TR03	339.555.241		BC848B Transistor
RP06	2C3.695.90	18KR5W5%Mttaffordywiderstand	18KR 5W 5% Metal oxida resistor	TT51	309.001.310		BF423Translator
RP07	41344301	4K75 0.25W 1% Metallfilmwiderstand	4K75 0.25W 1% Metal film resistor	TT52	160.037.60		2SC2482N Transistor
RP10	204.704.60	33R 3W 5% Metalloxydwid Tstand	33R 3W 5% Metfll oxide resistor	TT61	309001.310		BF423 Transistor
RP20	130.498.80	OR220 3W 5% Metallfilmwiderstand	OR220 3W 5% Metal film resistor	TT62	160.037.60		2SC2482N Transistor
RP20	130.85530	OR270 3W 5% Metallfilmwiderstand	OR270 3W 5% Metal film r+s+1or	TT71	309.001.310		BF423 Transistor
RP21	309.530.716	TOM 0.7W 5% Schichtwider aland	10M 0.7W 5% Film resistor	TT72	160.037.60		2SC2482N Transistor
RP31	103.054.50 S	OR220 0.5W 5% Sicherheitswiderstand	OR220 0.5W 5% Fusible resistor	TT81	352.875.5000		BC857B Trannitor SMO
RP31	243903 S	OR22 0.5W 5% Sicherheitswiderstand	OR22 0.5W 5% Fusible resistor	TV01	249.250		BC858B Trannxtor SMD
HP32	103054.50 R			TV02	249250		BC858B Tran—tor SMO
RP32	243.903 S	OR22 0.5W 5% Sicherheitswiderstand	OR22 0.5W 5% Fusible resistor	TX01	309001 228		BC55BB Transistor
RR01	100.371.00 3	BR2 0.5W 5% Sich-hellswidTStand	8R2O.SW5% Fusible resistor		103.381.90		Laitung mrt Sleeker lOpolg 420mm
							Cable with socket 10-pol* 420mm

VIDEO AMPLIFIER - AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKER AMPLIFICATORE VIDEO - AMPLIFICADOR VIDEO



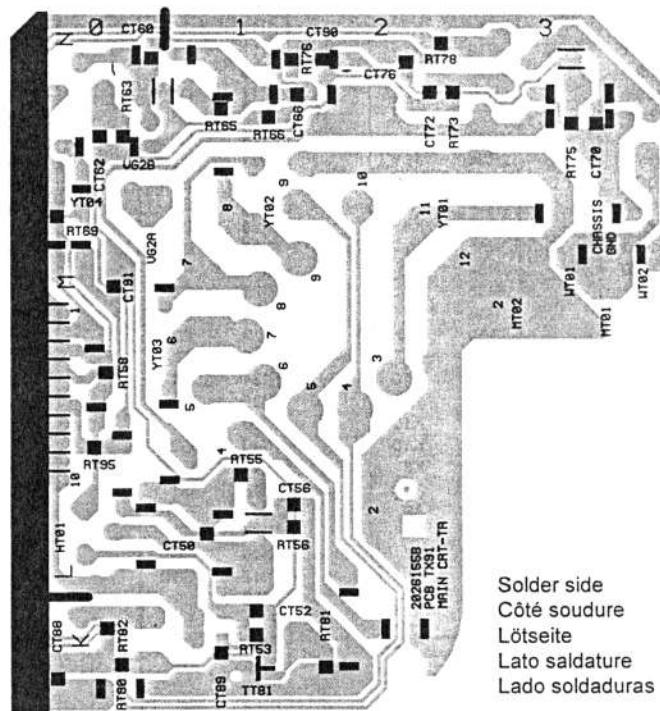
VHF / UHF TUNER MTM 4045



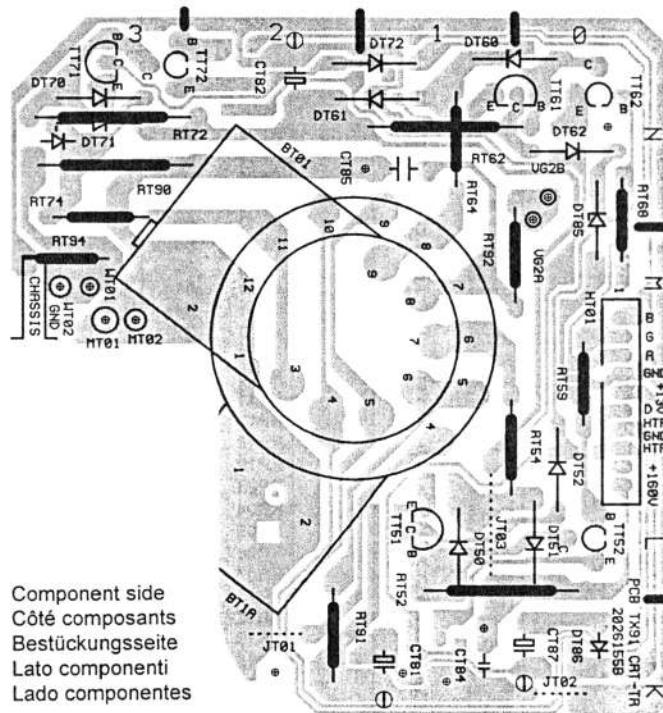
(For information only)

VIDEO AMPLIFIER BOARD - PLATINE AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKERPLATTE
PIASTRA AMPLIFICATORE VIDEO - PLATINA AMPLIFICADOR VIDEO

- TRANSISTOR VERSION -



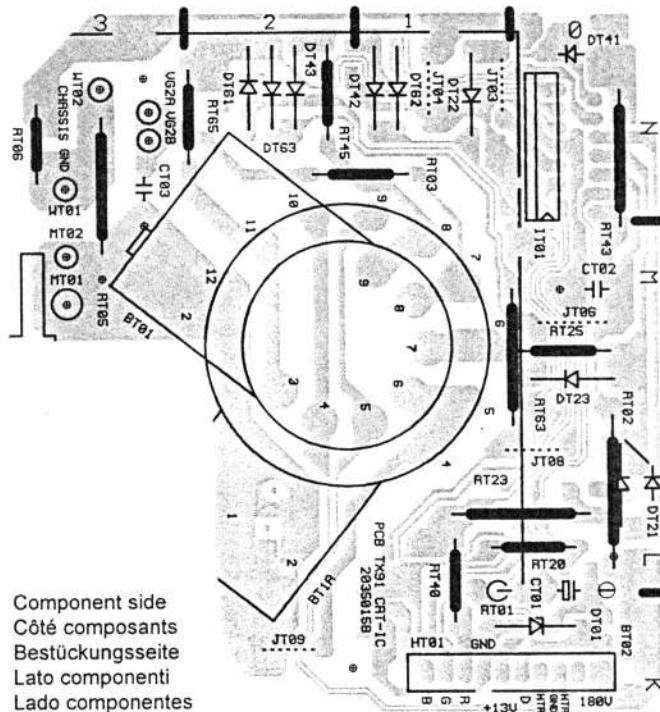
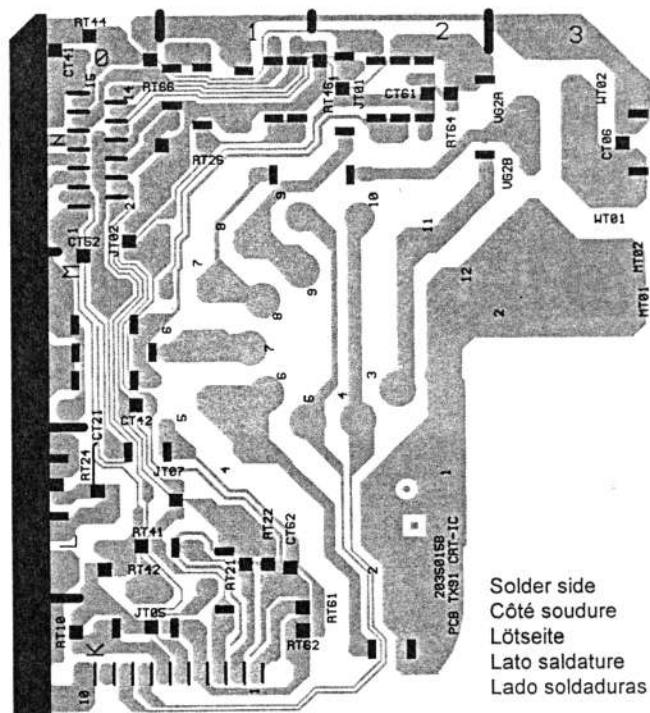
Solder side
Côté soudure
Lötseite
Lato saldature
Lado soldaduras



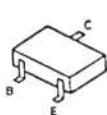
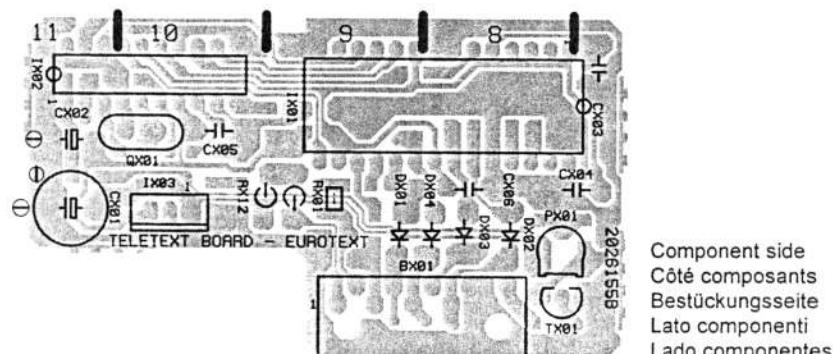
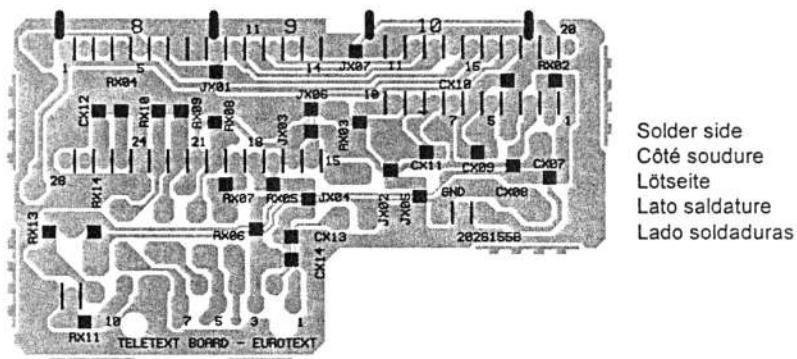
Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes

VIDEO AMPLIFIER BOARD - PLATINE AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKERPLATTE
 PIASTRA AMPLIFICATORE VIDEO - PLATINA AMPLIFICADOR VIDEO

- IC VERSION -



TELETEXT MODULE - MODULE TELETExTE - VIDEOTEXT MODUL MODULO TELEVIDEO - MODULO TELETEXTO



BC 847 B
BC 848 A /B /C
BC 857 B
BC 858 B /C
DTC 144 EK
MMBTH10L



BF 423



2 SC 2482



BC 337
BC 558 B

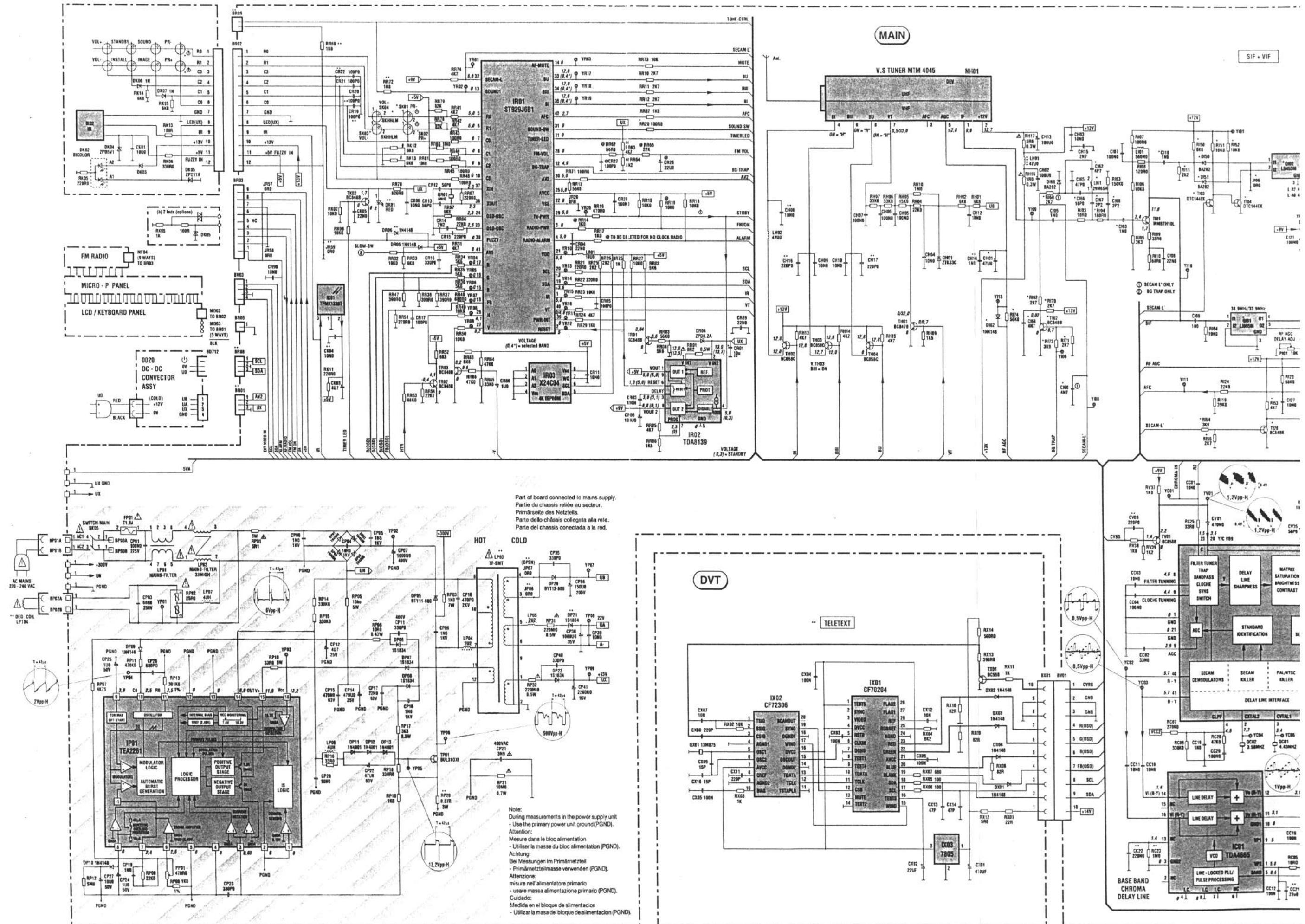


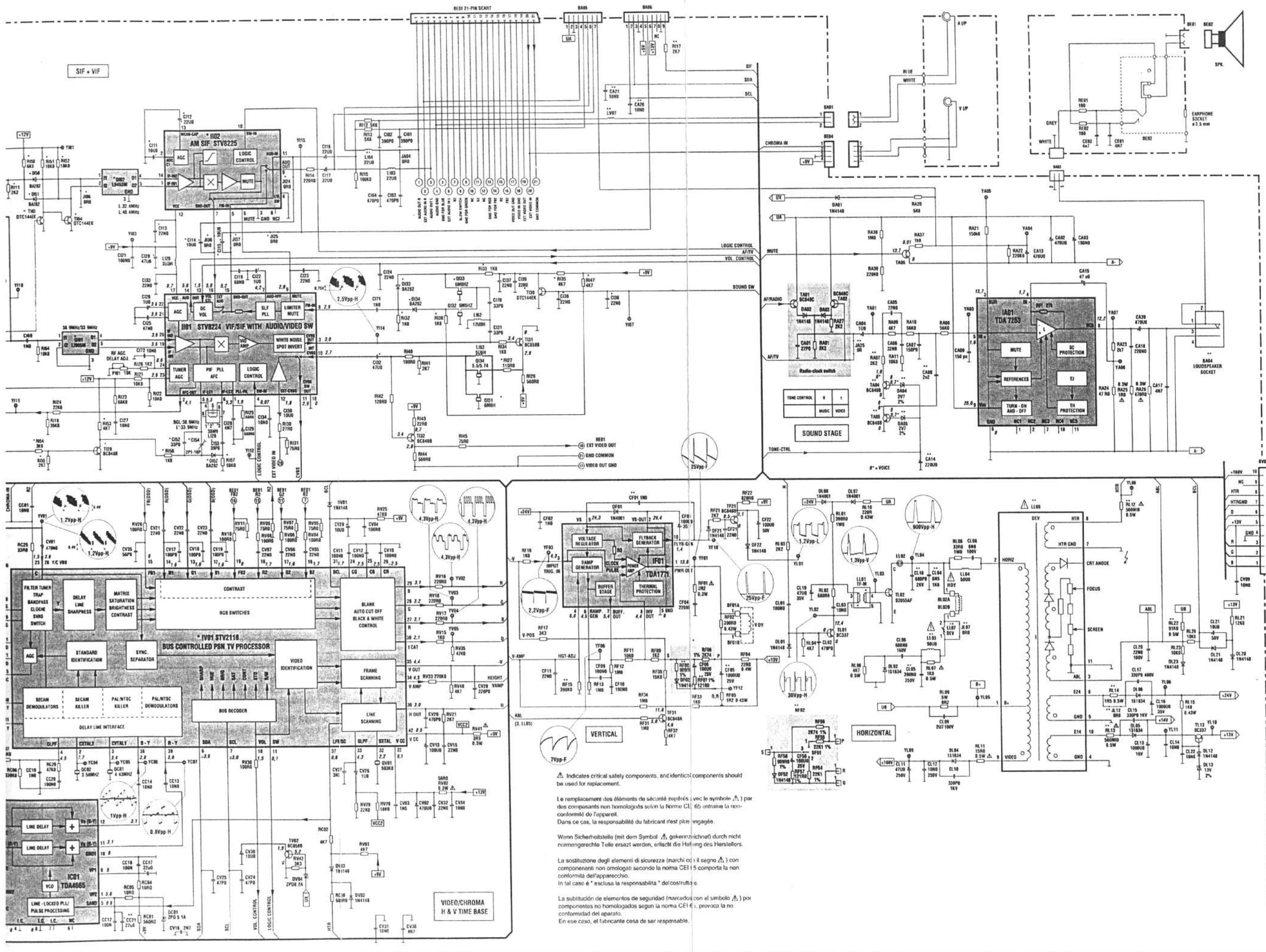
BILL 310 XI



S 2055 AF

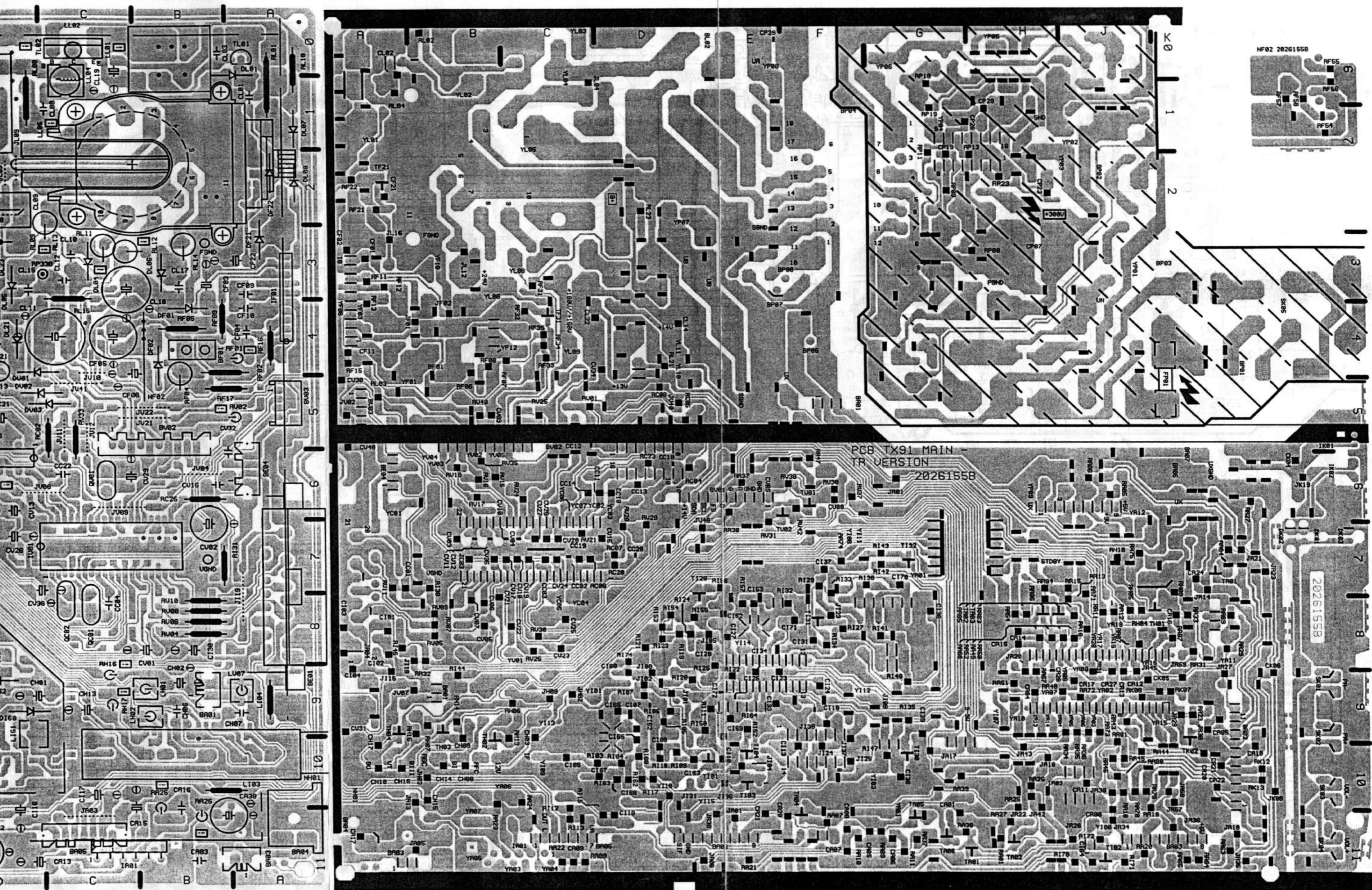
MAIN SCHEMATIC DIAGRAM - SCHEMA PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE SCHALTBILD - SCHEMA PIASTRA PRINCIPALE - ESQUEMA PLATINA PRINCIPAL





PLACA PRINCIPAL

Solder side - Côté soudure - Lötseite - Lato saldatura - Lado soldaduras



MAIN BOARD - PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE - PIASTRA PRINCIPALE - PLATINA PRINCIPAL

Component side - Côté composants - Bestückungsseite - Lato componenti - Lado componentes

