THOMSON

29 DM 182 T

29" Extra-Plat



CARACTERISTIQUES	BENEFICES CONSOMMATEURS
Tube X-Flat Focus Gun	Choisissez Thomson "Focus Gun" pour des images pures, lumineuses et contrastées, ce TV propose le meilleur rapport qualité/pureté d'image - prix
Menu OSD 17 langues	Européanisez votre TV en choisissant parmi les 17 langues disponibles dans le menu
2 prises Péritel	Possibilité de brancher deux appareils en même temps (VCR, DVD,...)
Finition spécifique	Design conçu pour une meilleure intégration à votre intérieur (finition argentée, touches couleur chrome, etc...)

THOMSON MULTI MEDIA

THOMSON

29 DM 182 T

Données Techniques :

MARQUE	
Marque	THOMSON
IMAGE	
Taille d'écran : diagonale (cm / pouce)	72 / 29
Taille d'image : diagonale (cm / pouce)	68 / 27
Catégorie	4/3
Type de tube	Extra-Plat
Masque du tube	Invar
Fréquence	50 Hz
Réduction du bruit	-
Contraste image	Perfect contrast 2
Optimisation du contraste	-
Contrôle du format	Oui
Transition en zoom	-
Autoformat 16/9 (plus de bandes noires)	-
Traitement de l'image	-
Traitement de l'image	-
Type de zoom	-
Type de zoom (2)	-
Type de zoom (3)	-
Multi-image	-
Préréglages image	Personnel / Standard
Préréglages image (2)	Film/Sport/Studio
Préréglages image (3)	-
SON	
Type de son	Stéréo Nicam
Puissance musicale (Watt)	2 x 20
Enceintes intégrées (T/M/B)	0 / 2 / 0
Enceintes surround (T/M/B)	-
Système Dolby	-
Surround sans fil	-
Effets sonores spéciaux	WIDE / AVL
Technologie des enceintes	Dynamic Bass
Préréglages son	Ma musique
Préréglages son (2)	Film / voix / plat / standard
Préréglages son (3)	-
Contrôle du son	Egaliseur graphique
Réglage du volume casque	Lié au téléviseur
RECEPTION	
Norme de réception	Pan Européen (LL'/BG/I/DKK')
Standard vidéo (PAL / SECAM)	Oui / Oui
Standard vidéo NTSC	NTSC 3.58 / 4.43 (AV)
Standard vidéo	Pal 60Hz (AV)
Nombre de programmes	99 + AV(s)
Synthèse du tuner	PLL
FONCTIONS UTILISATEUR	
Arrêt programmable / fonction réveil	Oui / Oui
Contrôle parental	Verrouillage enfant
Mise en veille automatique	Oui
Menu sur écran	Navilight
Menu : langues	D/F/GB/I/E/P/NL/DK/S/N/FIN
Menu : langues (2)	N/FI/PL/CZ/H/SK/RU/GR
Menu languages (3)	TR/UK/RO/BG/SL/ET/HR/SR/LT
Nombre de boutons TV	6
Installation	Autoprogrammation
Télécommande	TV
Clavier sans fil (pour TAK)	-
Mode Hôtel	Oui
Référence Télécommande	RC111TA1G
Alimentation 12 - 24 V	-
Jeux /Note calendar/radio FM-RDS	- / - / -
SERVICES	
Guide TV	-
Enregistrement vidéo simplifié	-
Type de télétexte	1.5 /Fastext
Nombre de pages télétexte	10
TAK	-
CONNECTIQUE ARRIERE	
Antenne	1
Péritel 1	CVBS / RVB
Péritel 2	CVBS / S-VIDEO
Péritel 3	-
Entrée / Sortie CINCH audio	-
Entrée / Sortie CINCH video	-
Entrée / Sortie S-vidéo	-
Enceinte externe	-
Prise téléphone pour TAK	-
Mode VGA	-
Connectique Hôtel	-
CONNECTIQUE EN FACADE	
Entrée CINCH	2 audio / 1 video
Entrée S-vidéo	Oui
Prise casque (mm)	3.5
DESIGN	
Couleur	Silver
Couleur cadre Clip'on	-
DONNEES GENERALES	
Code EAN	3244480191743
Châssis	ETC010
Voltage : secteur	220 - 240 V +/- 10% / 50 Hz
Dimensions Produit (L x H x P) en mm	727 x 567 x 495
Dimensions Emballage (L x H x P) en mm	812 x 655 x 595
Poids : net / emballé en kg	46 / 41
Notice d'utilisation : langues (1)	D,F,I,GB,GR,DK,NL,S,E,P
Notice d'utilisation : langues (2)	CZ,H,PL,RU,SK,Fi
Consommation en marche / en veille	TBD
Consommation annuelle (KWh)	-
ACCESSOIRES EN OPTION	
Meuble	STTM290
Enceintes externes	-

SERVICE-MODE - ALIGNMENT PROCEDURE EN

I - ENTER/EXIT SERVICE MODE

1.1. Accessing Service Mode

A) Switch the TV set into the Standby Mode.
B) Switch off Power Supply.
C) Switch on Power supply whilst pressing the magenta **"TEXT"** key continuously until TV set switch on and enter service mode.

U03C00C 1.8 2005. 07 . 20-01

ADR0	01111010	ADR1	01010000
ADR2	10000010	ADR3	00011110
AFC	00000000	RG	00110111
GG	10110111	BG	00110111
DEFL	00001111	DISC	128
LAST	NV : 1878		
ERR:	00000000		
REV:	882204		

1.2. Page selecting

Press 1,2....8 or 9 key of the RCU to enter page 1,2,...8 or 9 of Service Mode.

1.3. Navigation:

- Press **"Up"** and **"Down"** key to select option;
- Press **"Left "** and **"Right "** key to adjust or select option.
- All change in service mode will be saved in EEPROM automatically

1.4 Temporary exit from Service Mode

- Press **"9"** key and select MODE 1.
- Set D-MODE to "Direct key enter enable" .
- Press **"OK"** KEY on the RC to exit or access to service menu.

1.5. Exiting from Service Mode

- Press **"OK"** KEY on the RC.

Note : Before exiting from Service mode check that D-MODE is set to "Direct key enter disable" (see 1.4).

1.6. Brief introduction on some special modes

1.6.1. Aging Mode

It is used before set alignment and should operate in Service mode;
The TV set cannot enter standby after 15 minutes when no signal if the "AGING" Mode is selected.
Press blue **"GUIDE"** Key, the Aging Mode will be entered when "Aging Mode" is shown on screen.
Press blue **"GUIDE"** key again will exit " Aging Mode ".

1.6.2. Vertical Stop mode

- it is used to adjust the screen voltage.

Press red **"PRESETS"** key and repress **"PRESETS"** (red) key to exit.

1.6.3. White balance alignment mode

- Press **"EXIT"** key on factory RCU, The set will display **" BUS OPEN "**, which means the I2C bus from the CPU to other UOC3 module and ICs had been released. This is only used during automatic adjustment of white balance.

Press other key will exit **" BUS OPEN ".**

1.6.4. Reset

- Initialization before the set will took away from factory.

In factory mode, press "INFO" (P<P) key, then "RESET" will be shown.
Press **"ZOOM+", "BUSY"** will be shown.
Initialization will be finished until "BUSY" disappear.

II . FLOW OF ALIGNMENT PROCEDURE

1) B+ Adjustment
2) RF AGC Adjustment
3) Crystal Oscillator Frequency Adjustment
4) Screen & Focus adjustment
5) Sub-color adjustment
6) White balance adjustment
7) Sub-brightness adjustment
8) Picture Geometric adjustment
9) Reset TV set

III - ALIGNMENT PROCEDURE

Notes: - Alignment should be done after 3 minutes warm up of TV .

3.1. B+ VOLTAGES

B+ Voltage	ETC009: VR801 ETC010: - (no alignment)	Standard TV - Settings : ☼+◑+◑=50% TV to AV1 : Black test pattern	V= DP805 (ETC010) DP824 (ETC009)	

CRT type	B+ Voltage
IRICO A36CPAA 00X02	108V +/- 0.5V
TTD A51ELD 032X004	112V +/- 0.5V
LGPD A51ERS 357X440 (SLIM)	
ZHONGHUA CHA34AGT13X53	108V +/- 0.5V
TTD ELM021X001	130V +/- 1.5V
TTD W76ELC011X001	132.5V +/- 1.5V

3.2. RF AGC

3.2.1. Method 1

1) Input 60dB PAL BG , with half-Color Bar signal
2) Press key "**2**" to enter page 2 of factory mode (Fig.1)
3) Select RF AGC with " **up** " or " **down** " key. .
4) Press "**ZOOM-** "(left) and " **ZOOM+** " (light) key until the hint display just change from "Inactive" to "active".)
5) Adjust AGCL for SECAM L /L' same as the PAL.

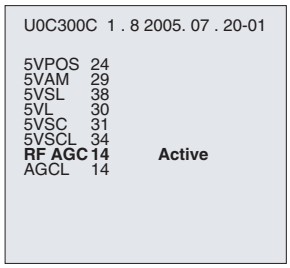
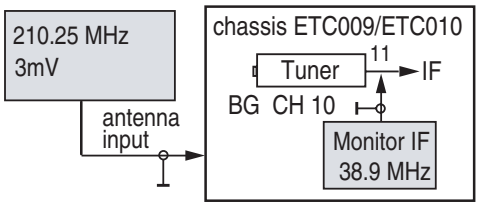


Fig.1 *page 2*

3.2.2. Method 2

1) Apply RF signal of 210.25MHz (BG CH 10) modulated with color bar at 3mVrmx to Tuner input
2) Tune to CH10
3) Go to factory mode, entry page 2 (Fig.1) & set "RF AGC" to 00 (max IF output).
4) Monitor 38.9MHz IF frequency response at Tuner pin11 with spectrum analyzer by using high impedance probe or equivalent.
5) Increase RF AGC control until IF frequency response 8 +1/-2 d B down from maximum.



3.3. CRYSTAL OSCILLATOR FREQUENCY

Notes: - If TV had NICAM function, we recommend to adjust crystal with NICAM.

3.3.1. Crystal oscillator frequency adjustment with NICAM

a) Apply PAL BG NICAM signal with good reception quality.
b) Enter factory mode, press "**Vol -**"(FORMAT) key , it will display " DCXOAUTO " , (Fig.2) then press "**ZOOM+**" (light) key to start auto adjust , when it displays "DCXOAUTO OK" , the adjust is finished .

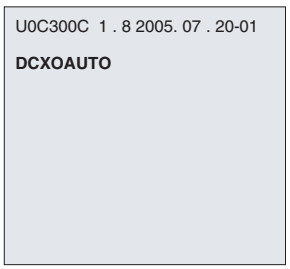


Fig.2

3.3.2. Crystal oscillator frequency adjustment without NICAM

(for software with UOC3 TDA12070/12072 only)
a) Input PAL color bar signal.
b) Enter factory mode, press "Vol -"(FORMAT) key , it will display " DCXOAUTO " , then press "ZOOM+" (light) key to start auto adjust , when it displays "DCXOAUTO OK" , the adjust is finished .

3.3.3. Crystal oscillator frequency adjustment without NICAM

a) Input PAL color bar signal.
b) In factory mode, press "0" to entry page 0 , (Fig.3).
Adjust "DCXO CAP" until display " DISC " is steady at 128.

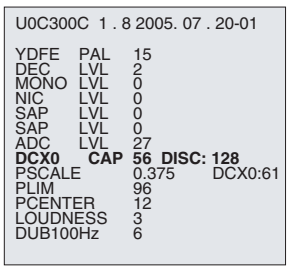
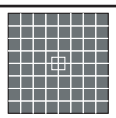


Fig.3 *page 0*

Notes: - Alignment below should be done after 15 minutes warm up of TV.

3.4. G2 & FOCUS

U G2 Screen voltage adjustment	G2 potentiometer : SCREEN Focus-Block	Standard TV - Settings : ☼ + ◑ + ◑ = 50% TV to AV1 : Black test pattern	1- Press red "PRESETS" (Led) Key on the remote control and the screen will become a horizontal line, 2- adjust the "screen voltage" of the fly back transformer until the horizontal line can just be seen barely (minimum visible intensity).	 No correct  Correct : minimum visible intensity
FOCUS	FOCUS VR Focus-Block	Standard TV - Settings : ☼ + ◑ + ◑ = 50%	TV to AV1 Test pattern 	Sharp picture 

3.5. SUB COLOR

a) Input NTSC Video pattern : AV
b) Press key "**4**" : page 4. (Fig.4).
Measure at the CRT blue Cathode (Fig.5).
c) Adjust COLC to make level a and d equal;
then TNTC to make level b and c equal;
d) Input PAL color bar signal.
e) Adjust COLP to make level of a,b,c,d equal ;
f) Input SECAM color bar signal, and adjust
COLS to make level of a,b,c,d equal.

U0C300C 1 . 8 2005. 07 . 20-01

VOL	01	30
VOL	10	104
VOL	90	170
VOL	100	188
CNTC		31
BRTC		30
COLC		23
TNTC		35
COLP		3
COLS		23
SHPTV		32

Fig.4 *page 4*

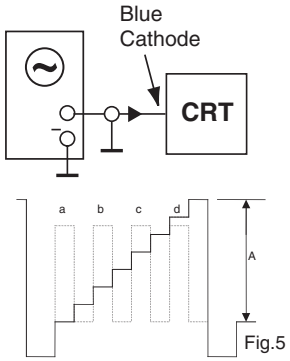


Fig.5

3.6. WHITE BALANCE

White Balance adjustment (neutral)
a) Input RF Black and White pattern signal (PAL).
b) Press "**1**" key to enter white balance adjustment (Page 1:Fig.6)
c) Measure the dark side of the picture with a color analyzer.
Adjust RED and GRN until the data on the analyzer
become x=284 +/-8, y=299 +/-8.
d) Measure the bright side of the picture.
Adjust WPR, WPG and WPB until the data on the analyzer
become x=284 +/-8, y=299 +/-8.
e) Repeat step c and d until you get right white balance
on both dark and bright side of the screen.
f) Input RGB Black and White pattern signal (PAL).
g) Measure the dark side of the picture with a color analyzer.
Adjust REDC and GRNC until the data on the
analyzer become x=284 +/-8, y=299 +/-8.
h) Measure the bright side of the picture.
Adjust WPRC and WPGC and WPBC until the data on the
analyzer become x=284 +/-8, y=299 +/-8.
i) Input SECAM L Black and White pattern signal.
j) Measure the dark side of picture with a color analyzer,
Adjust REDSECAM and GRNSECAM until the data on
the analyzer become x=284 +/-8, y=299 +/-8.

U0C300C 1 . 8 2005. 07 . 20-01

		WPR	26	GRNC	40
		WPG	29	WPRC	18
RED	31	WPB	31	WPGC	18
GRN	29	REDC	32	WPBC	15

page 1

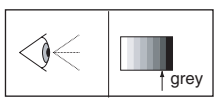


Fig.6

Warm color temperature
a) Press green " **LIST**" key .
b) item: Warm R ; Warm G ; Warm B : Factory adjust
c) Check the item values are as shown opposite.

Alignment of Cool color temperature
a) Press green " **LIST**" key.
b) item: Cool R ; Cool G ; Cool B : : Factory adjust
c) Check the item values are as shown opposite.

U0C300C 1 . 8 2005. 07 . 20-01

Warm	R	10
Warm	G	10
Warm	B	10
Cool	R	10
Cool	G	10
Cool	B	10

3.7. SUB BRIGHTNESS

3.7.1. Sub brightness adjustment

1) Input eight steps gray signal.
2) Press key **"4"** to enter sub-brightness adjustment.
3) Adjust "BRTC" until the secondary gray bar just to be seen.(Fig.7).

U0C300C 1 . 8 2005. 07 . 20-01

VOL	01	30
VOL	10	104
VOL	90	170
VOL	100	188
CNTC		31
BRTC		30
COLC		23
TNTC		35
COLP		3
COLS		23
SHPTV		32

page 4

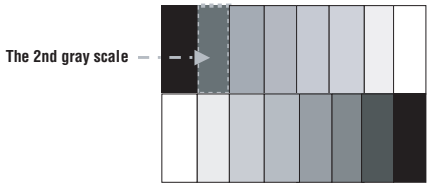


Fig.7

3.8 PICTURE GEOMETRY ADJUSTMENT

3.8.1. Vertical geometry items

- Press key **"2"** to enter Vertical geometry adjustment.

U0C300C 1 . 8 2005. 07 . 20-01

5VPOS	24	
5VAM	29	
5VSL	38	
5VL	30	
5VSC	31	
5VSCL	34	
RF AGC	**14**	**Active**
AGCL	14	

page 2

VERTICAL GEOMETRY ITEMS					
5VSL (V-Slope)			**5VL (V-Linearity)**		
5VAM (V-Amplitude)			**5SCL (Vertical S-Correction)**		**S**
5VPOS (V-Position)			**5VX* (Vertical Over scan)**		

** According to Software*

3.8.2. Horizontal geometry items

- Press key **"3"** to enter Horizontal geometry adjustment.

U0C300C 1 . 8 2005. 07 . 20-01

5HSH	36
5PAR	24
5BOW	22
5EWW	33
5EWP	35
5UCR	42
5LCR	32
5EWT	36
5WBR	7
5WBF	7

page 3

HORIZONTAL GEOMETRY ITEMS					
5HSH* (H-Position)			**5UCR (EW-Upper Corner)**		
5PAR* (Parallelogram)			**5LCR (EW-Lower Corner)**		
5BOW* (Bow Adjust.)			**5EWT (EW - Trapezium)**		
5EWW (H-Amplitude)			**5WBR****		**End of Blanking**
5EWP (Pincushion correct.)			**5WBF****		**Start of Blanking**

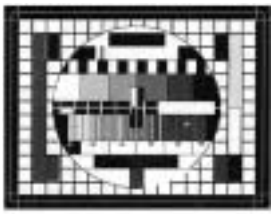
** Only valid for ETC009 except models with Slim CRT*
*** Only valid with 16:9 tubes*

3.8.3. Adjustments

Signal : 4/3 test pattern - Cross hatch pattern (PAL or SECAM), NTSC signal to adjust NTSC geometry.

4/3 picture tube

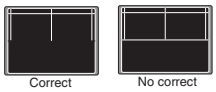
4 / 3 standard mode



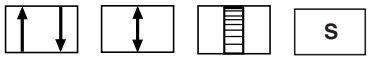
Overscan V=107% , H=107%

Vertical adjustment : press "**2**"

1- Check the Factory adjust 5VSC = 31; Adjust Vertical Slope : 5VSL

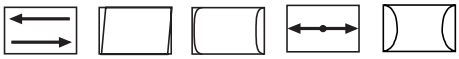


2- Adjust Vertical Position (5VPOS) , Vertical amplitude (5VAM).
3- Adjust Vertical Linearity (5VL) and S correction

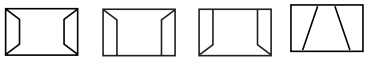


Horizontal adjustment : press "**3**"

1- Adjust Horizontal Position (5HSH) and Horizontal parallelogram (5PAR),
2 -Adjust Horizontal Bow (5BOW)
3 -Adjust Horizontal width (5EWW) and Pincushion correction (5LCR)

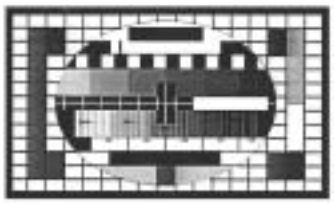


4 -Adjust EW Amplitude (5EWP) , EW Upper (5UCR) / Lower Corner (5LCR)
5 -Adjust Trapezium correction (5EWT)



16/9 picture tube

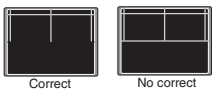
16 / 9 standard mode



Overscan V=107% , H=107%

Vertical adjustment : press "**2**"

1- Check the Factory adjust 5VSC = 31; Adjust Vertical Slope : 5VSL

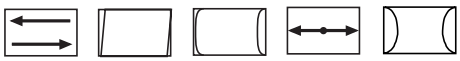


2- Adjust Vertical Position (5VPOS) , Vertical amplitude (5VAM).
3- Adjust Vertical Linearity (5VL) and S correction

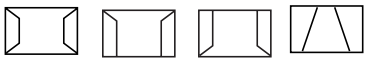


Horizontal adjustment : press "**3**"

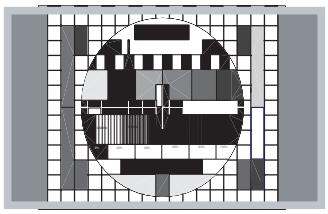
1- Adjust Horizontal Position (5HSH) and Horizontal parallelogram (5PAR),
2 -Adjust Horizontal Bow (5BOW)
3 -Adjust Horizontal width (5EWW) and Pincushion correction (5LCR)



4 -Adjust EW Amplitude (5EWP) , EW Upper (5UCR) / Lower Corner (5LCR)
5 -Adjust Trapezium correction (5EWT)



4 / 3 centered



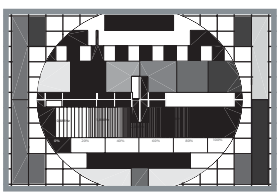
Overscan V=107% , H=77%

1 - Check the 16 / 9 standard mode geometry.
2 - Adjust H. width 77% (5EWW) and pincushion correction (5LCR)
3 - Adjust if necessary lower/upper corner (5UCR/5LCR)
4 - Adjust if necessary the Bow correction (5BOW) and parallelogram (5PAR).



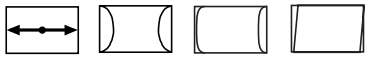
5 - Adjust 5WBF 4/3 and 5WBR 4/3to make the castellation just un-visible.

14 / 9



Overscan V=122% , H=90%

1 - Check the 16 / 9 standard mode geometry.
2 - Adjust H. width 90% (5EWW) and pincushion correction (5LCR)
3 - Adjust if necessary lower/upper corner (5UCR/5LCR)
4 - Adjust if necessary the Bow correction (5BOW) and parallelogram (5PAR).



5 - Adjust 5WBF 14/9 and 5WBR 14/9 to make the castellation just un-visible.

3.9 RESET TV

When all item alignment is finished, please make the TV to RESET as 1.4.4.

IV - FACTORY ALIGNMENT VALUES

KEY 1		KEY 2		KEY 3		KEY 4	
Item	Data	Item	Data	Item	Data	Item	Data
RED	32	5VPOS	32	5HSH	42	VOL 01	30
GRN	32	5VAM	23	5PAR	33	VOL 10	104
WPR	32	5VSL	28	5BOW	29	VOL 90	170
WPB	32	5VL	30	5EWW	39	VOL 100	188(ETC009 5W)
							194(ETC010 6W)
							176(ETC010,10W)
WPG	32	5VSC *	31	5EWP	34	CNTC	31(ETC009) 21(for 14"15")
							31(ETC010)
REDC	32	5SCL	31	5UCR	46	BRTC	30
GRNC	32	RF AGC	22	5LCR	43	COLC	23
WPRC	32	AGCL	22	5EWT	26	TNTC	35
WPGC	32			5WBR	7	COLP	3
WPBC	32			5WBF	7	COLS	23
REDSECAM	32					SHPTV	32
GRNSECAM	32						

* No adjustable

V - SERVICE MODE VALUES

5.1 Analog control adjustment

Press key "**5**" to enter analog adjustment.

KEY 5		
Item	Data	
	ETC009	ETC010
CNTX Max. Contrast value	63	63
CNTN Min. Contrast value	1	3
BRTX Max. Brightness value	63	63
BRTN Min. Brightness value	15	15
COLX Max. Color value	50	50
COLN Min. Color value	0	0
TNTX Max. Tint value	63	63
TNTN Min. Tint value	0	0
SHPX Max. Sharpness value	63	63
SHPN Min. Sharpness value	0	0

5.2 - Picture item adjustment

Press key "**6**" to enter analog adjustment.

Item	Data	
	ETC009	ETC010
CPFK PAL Peaking value	32	32
CFPEK PAL PAL peaking frequency & value	3.5M 143NS	3.5M 143NS
CFPEK NTS NTS peaking frequency & value	3.1M 160NS	3.1M 160NS
CFPEK YUV YUV peaking frequency & value	4.0M 125NS	4.0M 125NS
IFPL IF Offset	32	32
BBTC Base-band tint control (phase U,V signal)	32	32
PGR Original value of R	55	55
PGG Original value of G	55	55
PGB Original value of B	55	55
ON VAM (depends on tube)	3 (depends on tube)	0
VG2BRI Brightness of V line when adjust G2	20	20
HDOL RGB drive gain.	3	4

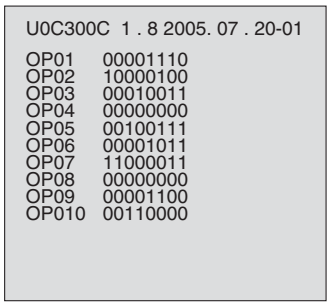
5.3 - OSD Position adjustment

Press key "**7**" to enter analog adjustment.

Item	Data
OSD BRI OSD brightness	8
CC BRI Teletext brightness	5
5CCD H Position for Teletext	11
5CCD V Position for Teletext	40
5OSD H OSD H position	9
5OSD V OSD V position	32
5MENU V Menu V. position	55
5MENU H Menu H. position	10

5.4 - Option adjustment

Press key "**8**" to enter Option adjustment.



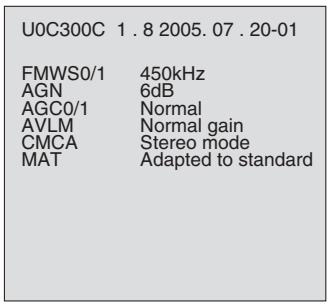
Item	Data
OP01	00001110
OP02	10000100
OP03	00010011
OP04	00000000
OP05	00100111 (10100111 for TDA12070/12072/H/N1F00)
OP06	00001011 (00000100 for TDA12070H/N1F00)
OP07	11000011
OP08	00000000
OP09	00001100
OPT010	00110000

Fig.8

Bit 7 ——┐ ***00001110*** └—— *Bit 0*

Check the bytes values. They indicate the configuration of the chassis and are given for information only.
The default values are indicated in the follow table.
- Choose the item Op01 ,Op02 ... by pressing **up**/**down** key.
- Access to the selected Option adjustments by pressing "**Left**" or "**Right**" key

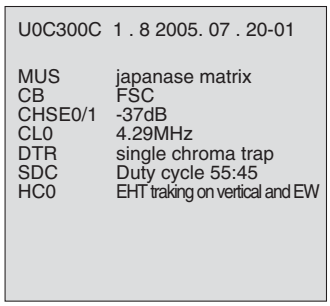
OP01



OP01 : default value : **00001110**

Bit 0 - Bit 1: FMWS0/1 (Band width FM; 10: 450kHz)
Bit 2 : AGN (Audio output amplitude; 1: +6dB gain)
Bit 3-Bit 4 : AGC0/1 (AGC time content selection; 01: Normal)
Bit 5 : AVLM (Gain for analog FM decoder; 0: Normal gain)
Bit 6 : CMCA (stereo/mono- 0: stereo 1: mono)
Bit 7 : MAT (Y,U,V to RGB matrix selection - 0:adapted to standard).

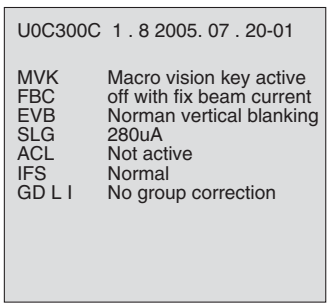
OP02



OP02 : default value : **10000100**

Bit 0 : MUS (Y,U,V to RGB matrix selection).
Bit 1 : CB (Select. for center of chroma band; 0: Fsc)
Bit 2-Bit 3 : CHSE0/1 (Sensivity of color killer; 01: -37dB)
Bit 4 : CL0 (center frequency of SECAM bell filter; 0: 4.29MHz)
Bit 5 : DTR (Dual Chroma trap; 0: single chroma trap) .
Bit 6 : SDC (Hor. drive pulse width; 0: Duty cycle 55:45).
Bit 7 : HC0 (EHT tracking only vertical or vertical and EW).

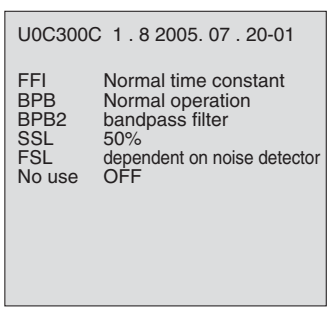
OP03



OP03 : default value : **00010011**

Bit 0 : MVK (Macro Vision Keying; 1: active).
Bit 1 : FBC (switch-off with blanked RGB outputs or fixed beam current)
Bit 2 : EVB (normal Vert. picture or extended vertical blanking)
Bit 3-Bit 4 : SLG0-SLG1 (selection of AKB black current; 10: 280uA)
Bit 5 : ACL (control the ratio of chroma/color burst; 0: Not active).
Bit 6 : IFS (IF sensitivity; 0: Normal).
Bit 7 : GDLI (group correction/group delay correction switch for L and I. 0: No group correction).

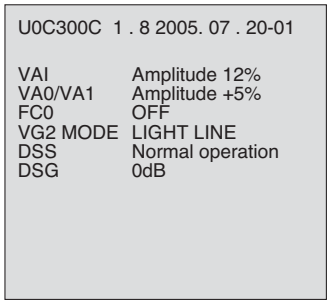
OP04



OP04 : default value : **00000000**

Bit 0 : FFI (IF PLL lock time constant, used for over modulation).
Bit 1 : BPB (sound bandpass - filter for mono 0: Normal operation).
Bit 2 : BPB2 (stereo band pass - filter for stereo/dual 0: active).
Bit 3 : SSL (slice level of Hor. syn. Pulse; 0: 50%).
Bit 4 : ACL (slice level of Vert. syn. Pulse; 0: dependant on noise detector).
Bit 5,6,7 : No use

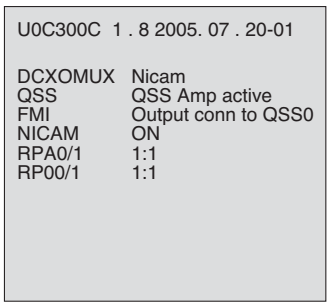
OP05



OP05 : default value : **00100111**

Bit 0 : VAI (gain correction; 0: no correction 1: +12% PAL I).
Bit 1-Bit 2 : VA0/VA1 (IF CVBS output amplitude correction; 10: +5%).
Bit 3 : OFB (Offset control on Red and Blue channel).
Bit 4 : FCO (force color on when bad signal, color killer not active).
Bit 5 : VG2 MODE (0:OSD indication 1:Line).
Bit 6 : DSS (0: normal operation 1: LCD / Pscan
Bit 7 : DSG (audio output selection amplitude; 0: 0dB)

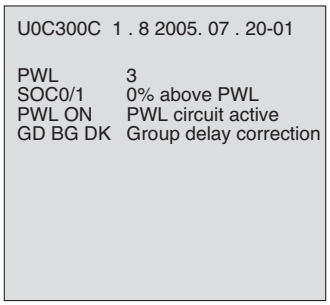
OP06



OP06 : default value : **00001011**

Bit 0 : DCXOMUX (0:P3DCX0 TDA12070/12072/without NICAM 1: NICAM).
Bit 1 : QSS (validation QSS amplifier; 1: active).
Bit 2 : FMI (connexion QSS AMP output to SSD module or sound PLL demodulator; 0: Output conn to QSS0).
Bit 3 : NICAM (NICAM selection; 1: ON)
Bit 4-Bit 5 : RPA0 /1 (00)
Bit 6-Bit 7 : RPO0/1 (00)

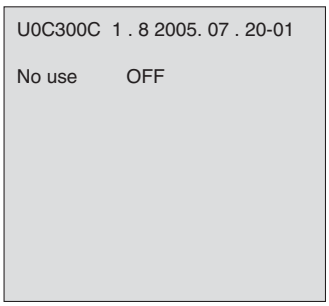
OP07



OP07 : default value : **11000011**

Bit 0-1-2-3 : PWL (peak white limit; default : 3)
Bit 4-Bit 5 : SOC0/1 (% above PW level; 00: 0% above PWL).
Bit 6 : PWL ON (activation of the peak white limiting circuit; 1: active)
Bit 7 : GD BG DK (activation of the Group delay correction; 0: group correction)

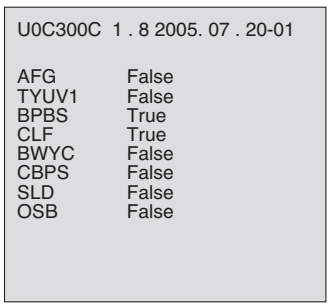
OP08



OP08 : default value : **00000000**

Bit : OFF (No use)

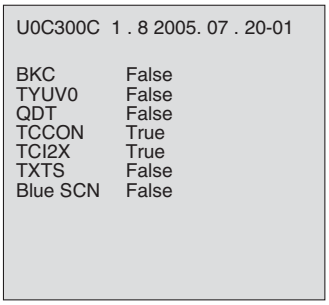
OP09



OP09 : default value : **00001100**

Bit 0 : AFG (AFC measurement; 0: AFC False)
Bit 1 : TYUV1(Analog output selection for text; valid if TYUV0=1)
Bit 2 : BPBS (Enable bypass of sound filter at stereo mode)
Bit 3 : CLF (Comb filter diode clamp; set to1)
Bit 4 : BWYC (Bandwidth of anti aliasing filter at YC mode of 3.58MHz systems; 0: False)
Bit 5 : CBPS (Internal chroma bandpass filter mode; 0: False)
Bit 6 : SLD (Sleep mode detector status; 0: sleep enabled, False)
Bit 7 : OSB (width of Burstkey; 0: False burstkey=3.52us)

OP10

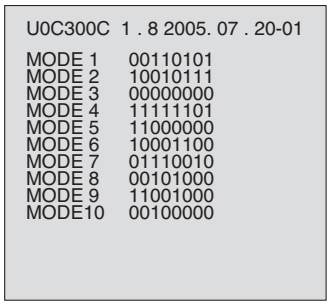


OP10 : default value : **00110000**

Bit 0 : BKC (Internal burst key position; 0: False normal position)
Bit 1 : TYUV0 (TXT/CC output selection; 0: False, RGB format)
Bit 2 : QDT (Q values of Second chroma trap; 0: False)
Bit 3 : FBC1 (Fixed beam current during switch off; 0: False, 1mA)
Bit 4 : TCCON (Top sync. clamp control; 1: True , active)
Bit 5 : TCI2X (Top sync. clamp time constant; 1: True)
Bit 6 : TXTS (TXTS Mode : TEXT source; 0: False TXT from CVBS)
Bit 7 : Blue SCN (Blue screen with no signal; 0: False)

5.5 - Mode adjustment

Press key "**9**" to enter Mode adjustment.

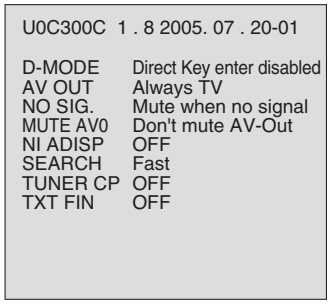


Item	Data
MODE 1	010110100
MODE 2	10011111 (10011011 for TDA12070/12072 without L standard)
MODE 3	00000000
MODE 4	11111101
MODE 5	01000000
MODE 6	10001100
MODE 7	01110010
MODE 8	00000000
MODE 9	11001000
MODE 10	00110000

Bit 7 ——┐ ***00001110*** └—— *Bit 0*

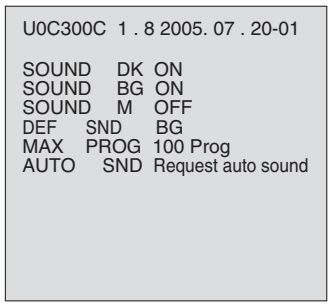
Check the bytes values. They indicate the configuration of the chassis and are given for information only.
The default values are indicated in the follow table.
- Choose the item MODE 1 ,MODE 2 ... by pressing **up**/**down** key.
- Access to the selected MODE adjustments by pressing "**Left**" or "**Right**" key

MODE 1



MODE1 : default value : **10110100**	
Bit 0	: D-MODE (Direct enter D-mode (Service mode) with "OK" key 0:enable 1:disable)
Bit 1	: AV OUT (0: Always TV - 1: Follow source)
Bit 2	: No Signal (0: Demute when no signal - 1 mute when no signal)
Bit 3	: MUTE AV0 (Mute AV-out)
Bit 4	: NI ADISP (1: Nicam auto detection OSD display enable)
Bit 5	: SEARCH (Auto search speed setting)
Bit 6	: TUNER CP (CP bit selection of tuner)
Bit 7	: TXTFIN (TXT fine tuning selection)

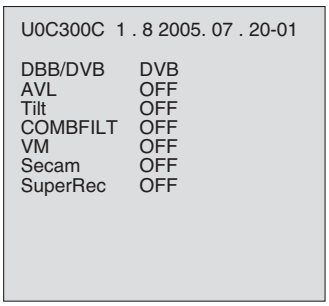
MODE 2



MODE 2 : default value : **10011111**	
Bit 0	: SOUND DK (depends on requirement)
Bit 1	: SOUND BG (depends on requirement)
Bit 2	: SOUND L (or I)* (depends on requirement)
Bit 3	: SOUND M (or I)* (depends on requirement)
Bit 4 - Bit5	: DEF SOUND (00: DK; 01: BG; 10: I; 11:M)
Bit 6	: MAX PROG. (0: 100, 1:200 (no used))
Bit 7	: AUTO SND (Request auto sound detect when auto searching (0: Don't request 1: request auto sound)

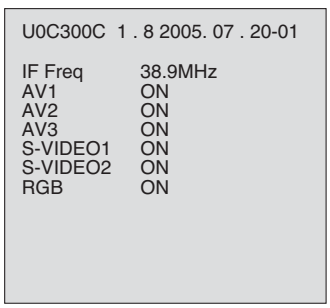
* *according models*

MODE 3



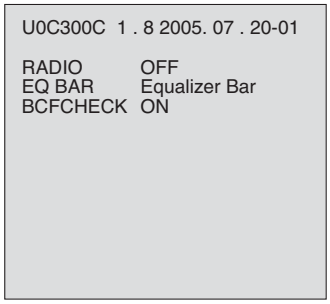
MODE 3 : default value : **00000000**	
Bit 0-Bit 1	: DBB/DVB (Woofer 00:DVB; 01:DB; 10: Woofer, 11:OFF)
Bit 2	: AVL (0: OFF)
Bit 3	: Tilt (0: OFF)
Bit 4	: COMB (Comb filter : 0: OFF)
Bit 5	: VM (0:OFF)
Bit 6	: SECAM (0:OFF)
Bit 7	: SUPERREC (0:OFF)

MODE 4



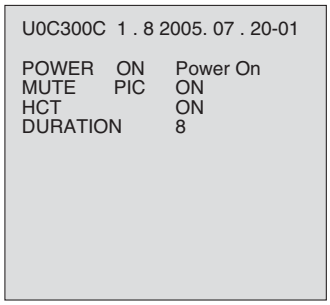
MODE 4 : default value : **11111101**	
Bit 0-Bit 1	: IF FREQ (00:45.75MHz; 01:38.9MHz; 10: 38MHz)
Bit 2	: AV1 (1:ON) (depends on requirement)
Bit 3	: AV2 (1: ON) (depends on requirement)
Bit 4	: AV3 (1: ON) (depends on requirement)
Bit 5	: S-VIDEO1 (1: ON) (depends on requirement)
Bit 6	: S-VIDEO2 (1: ON) (depends on requirement)
Bit 7	: RGB (1: ON) (depends on requirement)

MODE 5



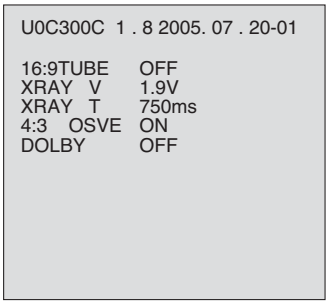
MODE 5 : default value : **01000000**
Bit 0,1,2,3,4 : No use Bit 5 : Radio (FM Radio 0:OFF) Bit 6 : EQ BAR (User menu display (0: bass & Treble; 1:Equalizer) Bit 7 : BCF CHEK (Beam current protection 1:ON)

MODE 6



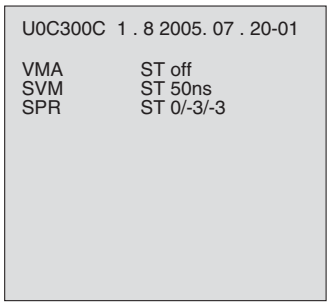
MODE 6 : default value : **10001100**
Bit 0 - Bit 1: Power ON (Power on status 00:ON, 01:standby, 10 last status) Bit 2 : MUTE PIC (Mute picture when changing channel; 1:ON) Bit 3 : HCT (High Contrast for OSD; 1:ON) Bit 4,5,6,7 : DURATION (mute time when changing channel; default 8)

MODE 7



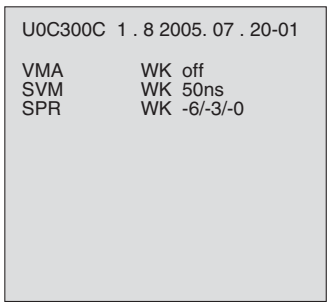
MODE 7 : default value : **01110010**
Bit 0 : No use Bit 1 - Bit 2: X-RAY V (Detection voltage for X-ray protection; 01:1.9V) Bit 3 - Bit 4: X-RAY T (Detect. time for X-ray protection; 10: 750ms) Bit 5 : No use Bit 6 : 4:3 OSVE (selection of vertical over scan; 1:ON) Bit 7 : DOLBY (selection of DOLBY; 1:ON)

MODE 8



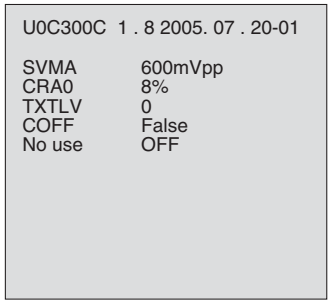
MODE 8 : default value : **00101000**
Bit 0-Bit 1 : VMA (Amplitude of SVM output ; 00 : ST OFF) Bit 2,3,4 : SVM (Delay of RGB to SVM output; 010 : ST 50ns) Bit 5,6,7 : SPR (Parabola on SVM output; 001 : 0/-3/-3)

MODE 9



MODE 9 : default value : **11001000**
Bit 0-Bit 1 : VMA (WEAK status 00: OFF) Bit 2,3,4 : SVM (WEAK status 010: 50ns) Bit 5,6,7 : SPR (WEAK status 110: -6/-3/-0)

MODE 10

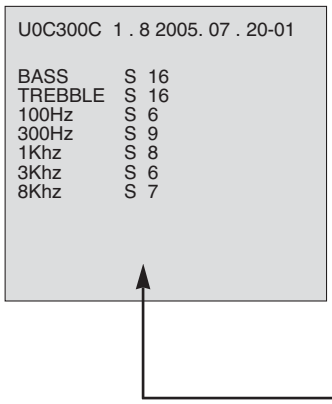


MODE 10 : default value : **00100000**
Bit 0 : SVMA (SVM output signal ; 0 : 600mVpp) Bit 1 : CRA0 (adjusted to 8% - Bit 1 = 0) Bit 2,3 : TXTLV (Scavem on TXT ampl.; 10: 1000mVpp) Bit 4 : COFF (adjusted to False - Bit 4= 0) Bit 5,6,7 : No use

VI - TEXT KEY

Press the "**Text**" key and check the item values are as shown below.

*Text key menu according to equalizer presetted in sound menu: ie "**S**tandard"*

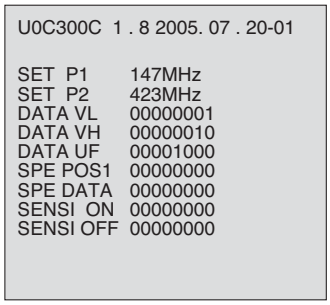


KEY TEXT (change item in sound menu / Equalizer)						
Item	**Data**					
	FL (Flat)	**M (Music)**	**V (Voice)**	**F (Film)**	**S (Standard)**	**P (Perso..)**
BASS	12	24	24	16	16	12
TREBLE	20	24	16	24	16	20
100HZ	6	7	6	7	6	6
300Hz	6	9	9	8	9	6
1KHz	6	6	9	6	8	6
5KHz	6	8	9	6	6	6
8KHz	6	10	6	9	7	6

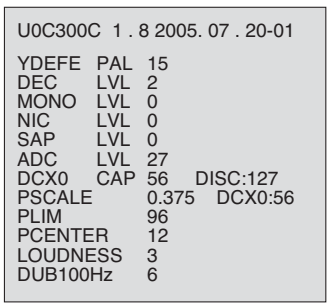
VII - "PR-" / "0" KEYS

Press the "**PR-**" then "**0**" key and check the item values are as shown below.

"PR-" KEY

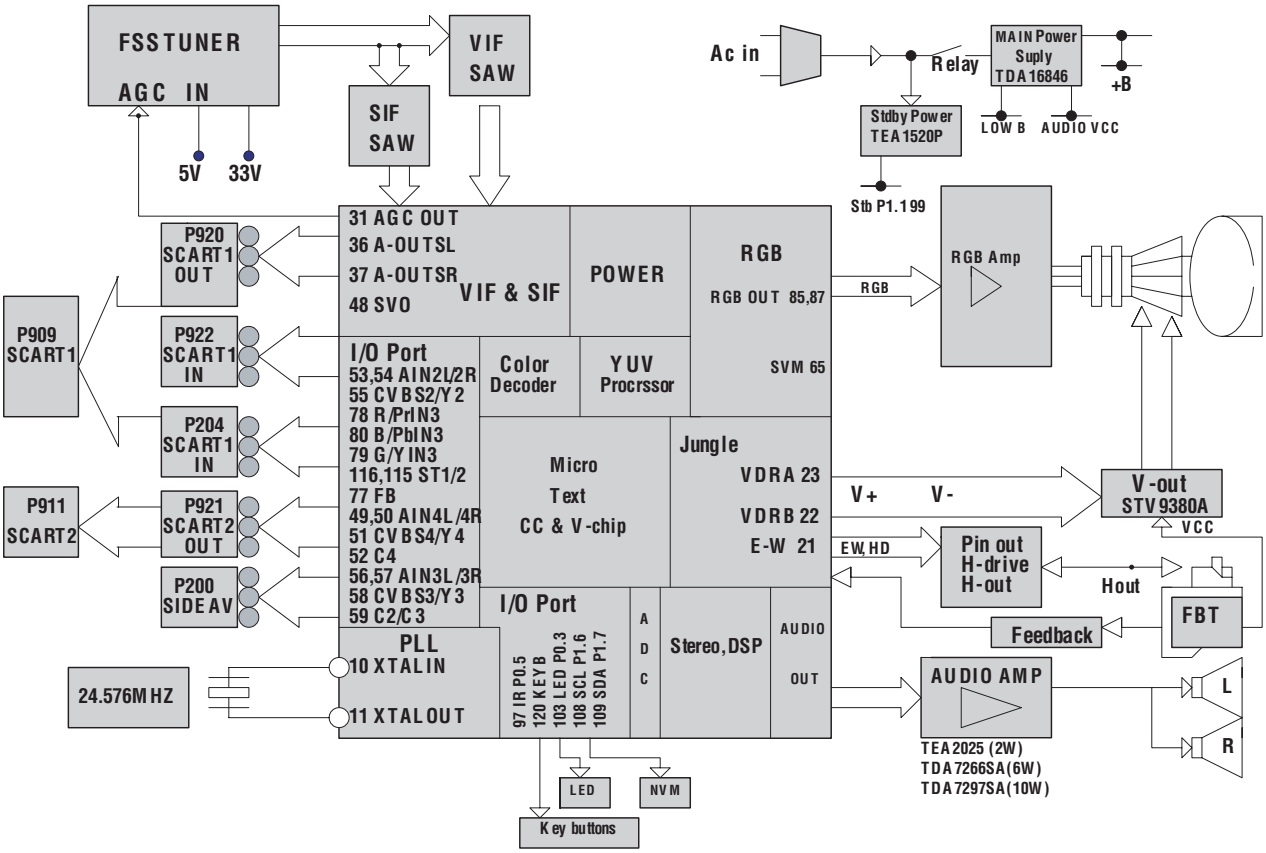


"0" KEY



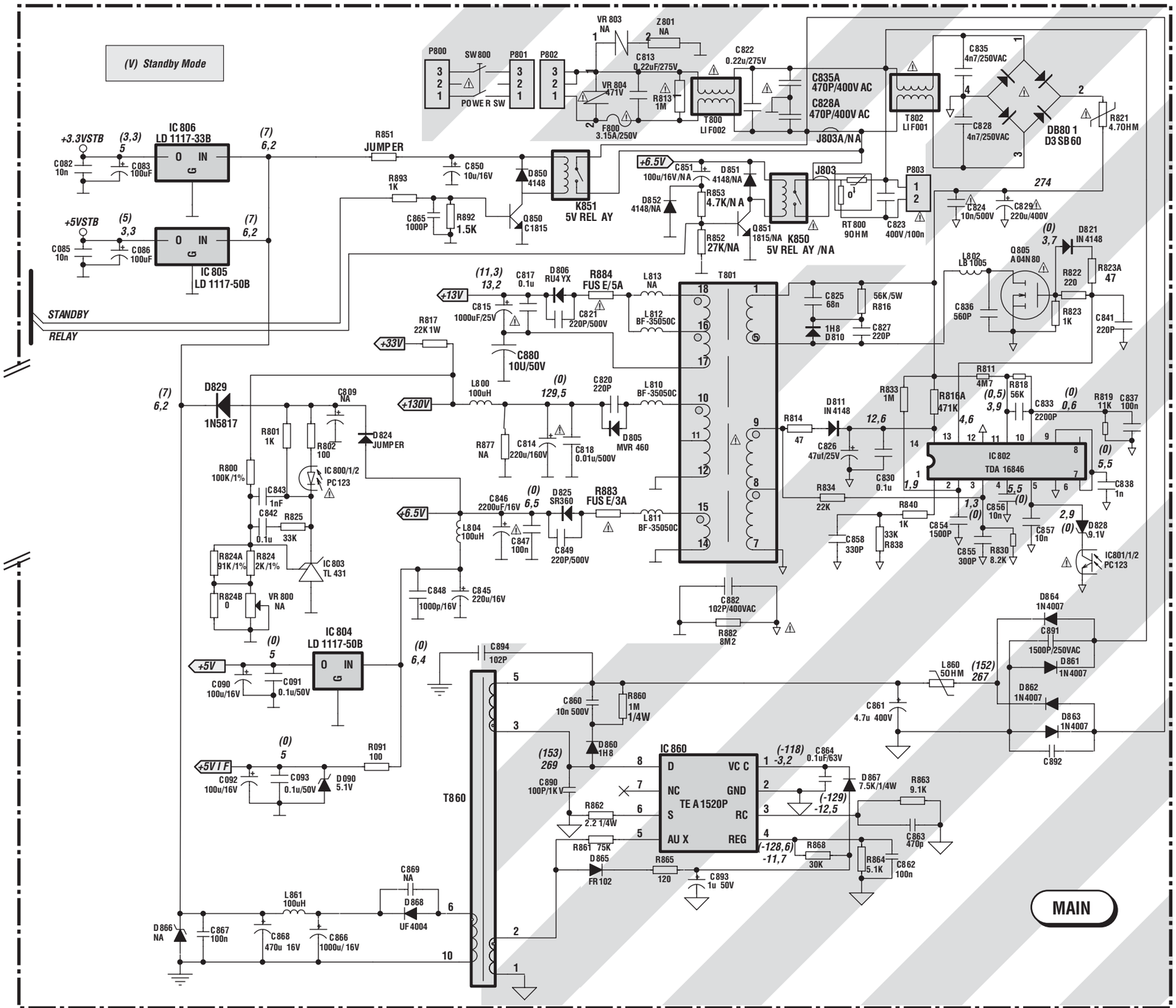
BLOCK DIAGRAM - SCHEMA SYNOPTIQUE - BLOCKSCHALTBILD - SCHEMA A BLOCCHI ESQUEMA DE BLOQUES

ETC010



MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD HAUPTPLATINE - SCHEMA DELLA PIASTRA PRINCIPALE- ESQUEMA DE LA PLATINA PRINCIPAL

(MAIN BOARD 1/4) / ETC010



Note :
Power Supply primary circuit measurements.
- Use only (⏚) connection point.

Attention :
Mesure dans la partie primaire de l'alimentation
- Utiliser la masse du bloc alimentation (⏚).

Achtung :
Bei Messungen im Primärnetzteil
- Primärnetzteilmasse verwenden (⏚).

Attenzione :
misure nell'alimentatore primario
- usare massa alimentazione primario (⏚).

Cuidado :
Medida en el bloque de alimentacion
- Utilizar la masa del bloque de alimentacion (⏚).

Part of board connected to mains supply.
Partie du châssis reliée au secteur.
Primärseite des Netzteils.
Parte dello telaio collegata alla rete.
Parte del chasis conectada a la red.

⚠ **Use isolating mains transformer**
Utiliser un transformateur isolateur du secteur
Einen Trenntrafo verwenden
Utilizzare un transformatore per isolarvi dalla rete
Utilizar un transformador aislador de red

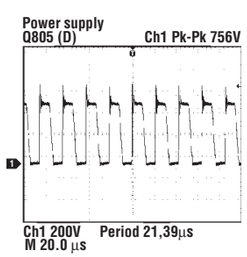
⚠ **Indicates critical safety components, and identical components should be used for replacement. Only then can the operational safety be garanteed.**

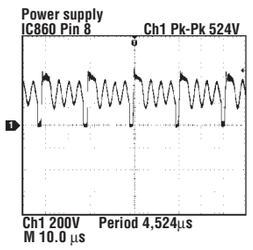
Le remplacement des éléments de sécurité (repérés avec le symbole ⚠) par des composants non homologués selon la Norme CEI 65 entraine la non-conformité de l'appareil. Dans ce cas, la responsabilité dufabricant n'est plus engagée.

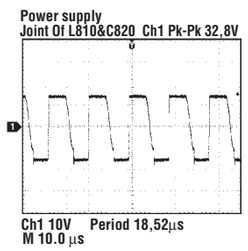
Wenn Sicherheitsteile (mit dem Symbol ⚠ gekennzeichnet) durch nicht normgerechte Teile ersetzt werden, erlischt die Haftung des Herstellers.

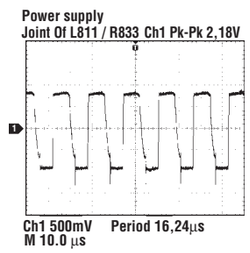
La sostituzione degli elementi di sicurezza (marcati con il segno ⚠) con componenenti non omologati secondo la norma CEI 65 comporta la non conformitá dell'apparecchio. In tal caso é “esclusa la responsabilità” del costruttore.

La subtitución 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.









ETC009 - ETC010
First issue 10 / 04

MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD HAUPTPLATINE - SCHEMA DELLA PIASTRA PRINCIPALE- ESQUEMA DE LA PLATINA PRINCIPAL

(MAIN BOARD 2/4) / ETC010

MAIN

ABL
SANDCASE
H-OUT
ROTATION
VDRA
VDRB
E-W
X-RAY
(TO P406)

IC 301
STV9380A
sgnd Freq IN Feedcap IN Vreg EAout Boot +Vcc CFly- -VccP CFly+ -VccP out -Vcc -Vcc -Vcc -Vcc

P400
NC
CON4

P403
=>P503

P401

P1301

TO CRT

T402
FBT-3
EHT
FOCUS
A5 SCREEN
AB L

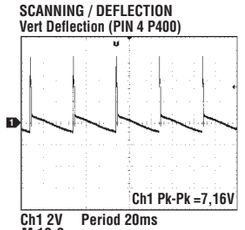
T401
BCT- 1012B

Q405
3DD340 2

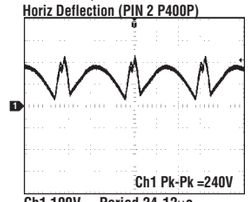
L301
1MH LC-EE 1941-TCL

L400
TRL 242 21uH

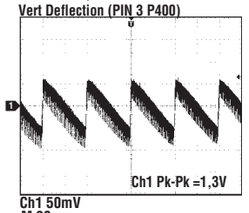
ZD DF JUMP



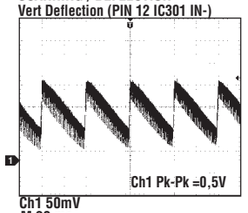
SCANNING / DEFLECTION
Vert Deflection (PIN 4 P400)
Ch1 2V Period 20ms
M 10.0 ms



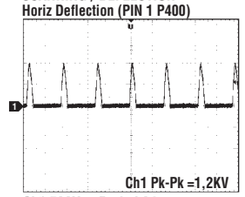
SCANNING / DEFLECTION
Horiz Deflection (PIN 2 P400P)
Ch1 100V Period 24,12µs
M 20.0 µs



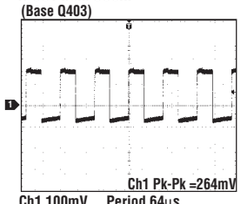
SCANNING / DEFLECTION
Vert Deflection (PIN 3 P400)
Ch1 50mV
M 20 ms



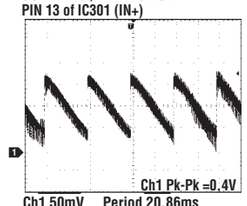
SCANNING / DEFLECTION
Vert Deflection (PIN 12 IC301 IN-)
Ch1 50mV
M 20 ms



SCANNING / DEFLECTION
Horiz Deflection (PIN 1 P400)
Ch1 500V Period 64µs
M 40.0 µs



H-OUT from UOCIII
(Base Q403)
Ch1 100mV Period 64µs
M 40.0 µs

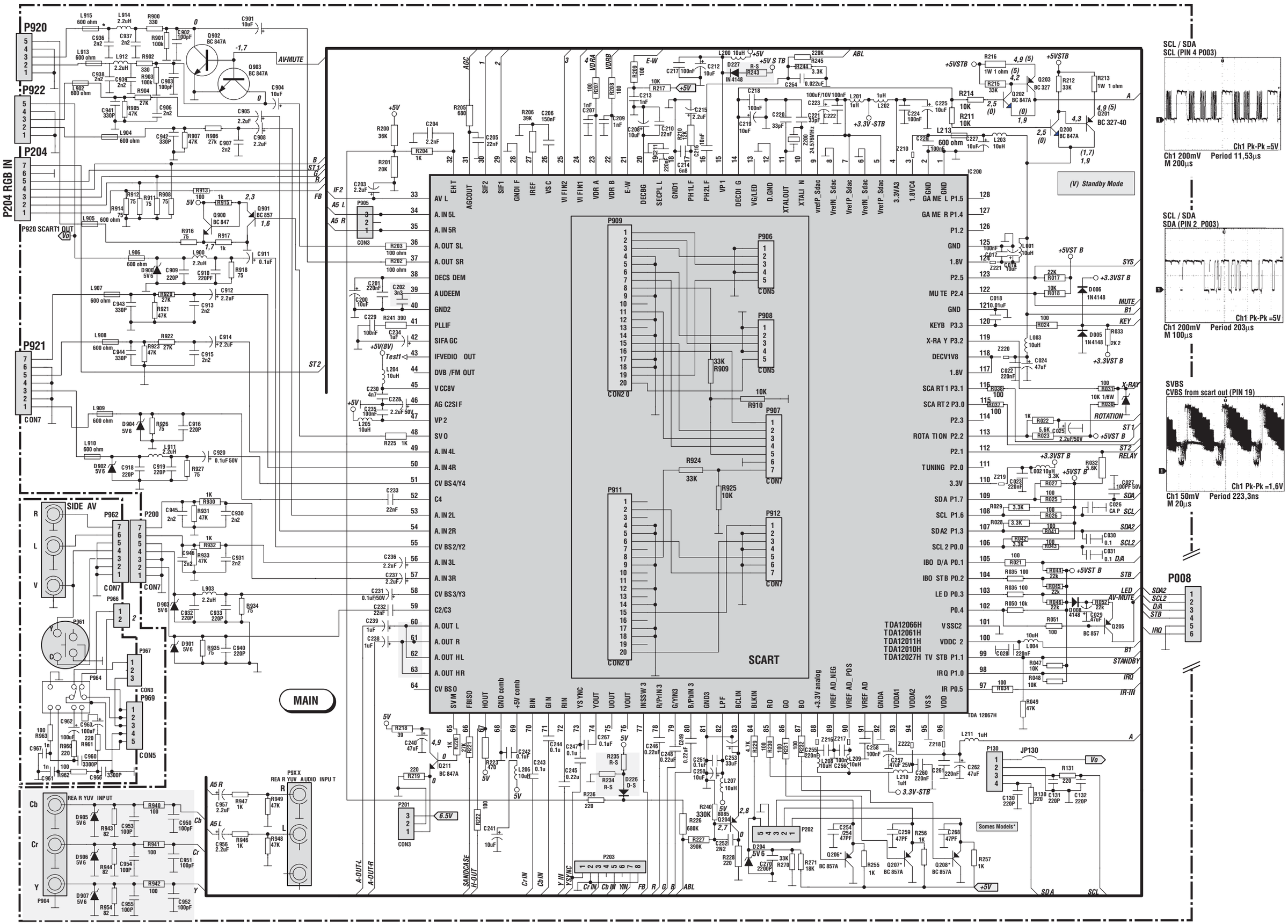


SCANNING / DEFLECTION
PIN 13 of IC301 (IN+)
Ch1 50mV Period 20,86ms
M 10.0 ms

ETC009 - ETC010
First issue 01 / 06

MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD HAUPTPLATINE - SCHEMA DELLA PIASTRA PRINCIPALE- ESQUEMA DE LA PLATINA PRINCIPAL

(MAIN BOARD 3/4) / ETC010

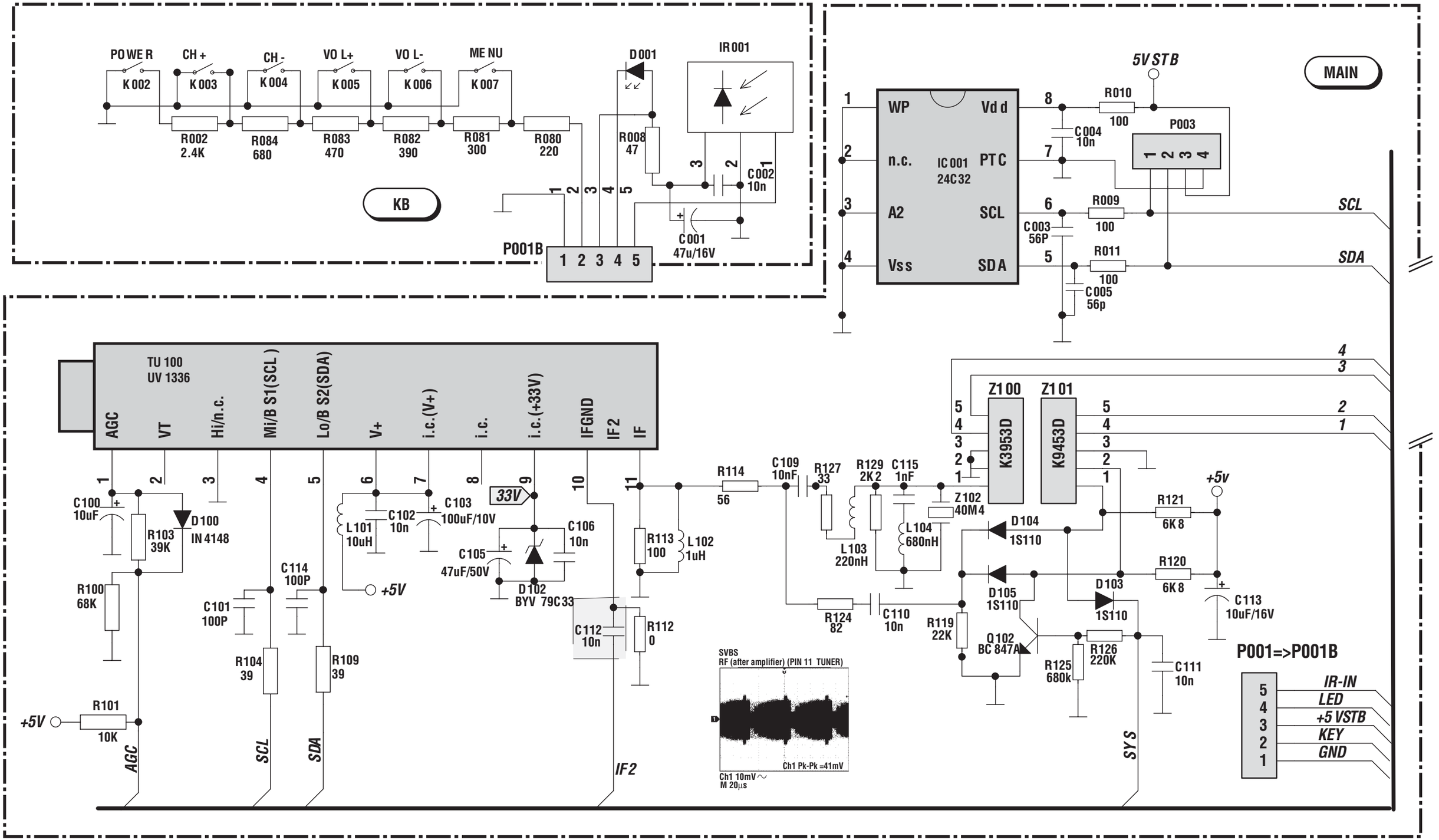


ETC009 - ETC010

First issue 10 / 04

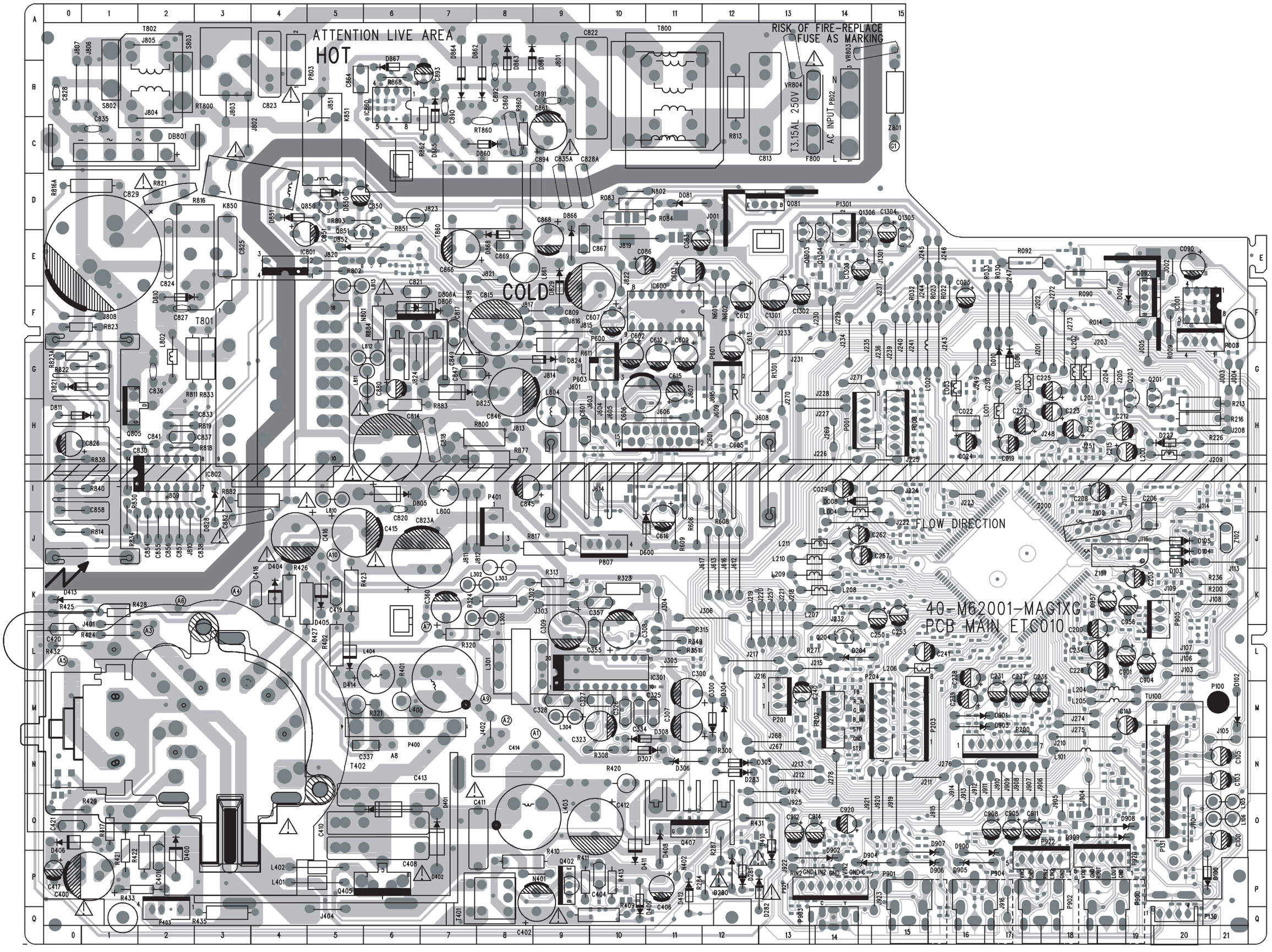
MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD HAUPTPLATINE - SCHEMA DELLA PIASTRA PRINCIPALE- ESQUEMA DE LA PLATINA PRINCIPAL

(MAIN BOARD 4/4) / ETC010



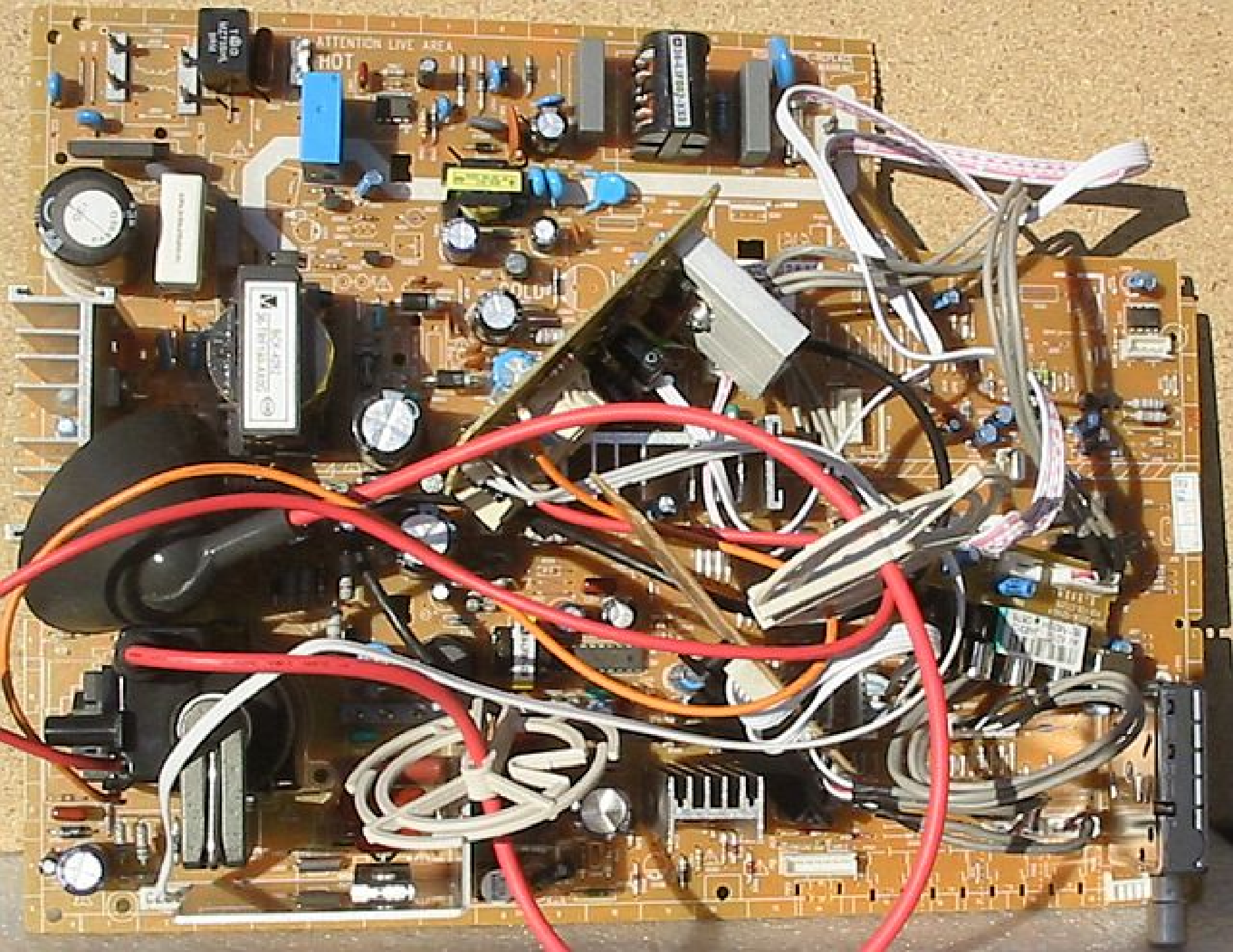
MAIN BOARD - PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE - PIASTRA PRINCIPALE - PLATINA PRINCIPAL

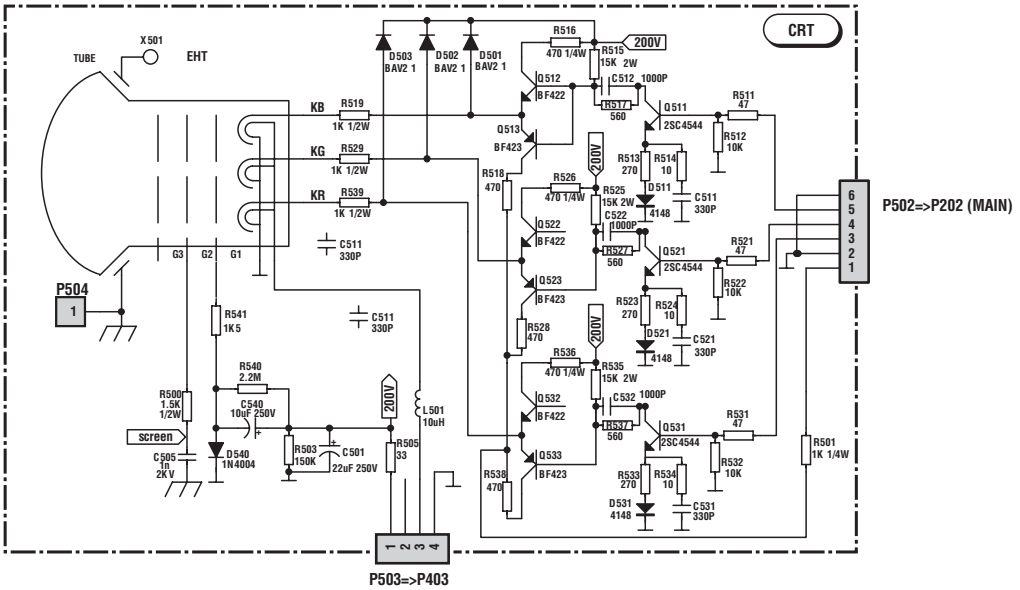
COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES

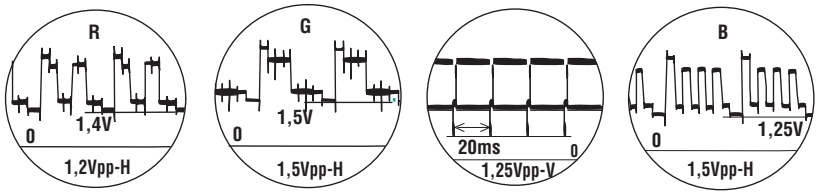


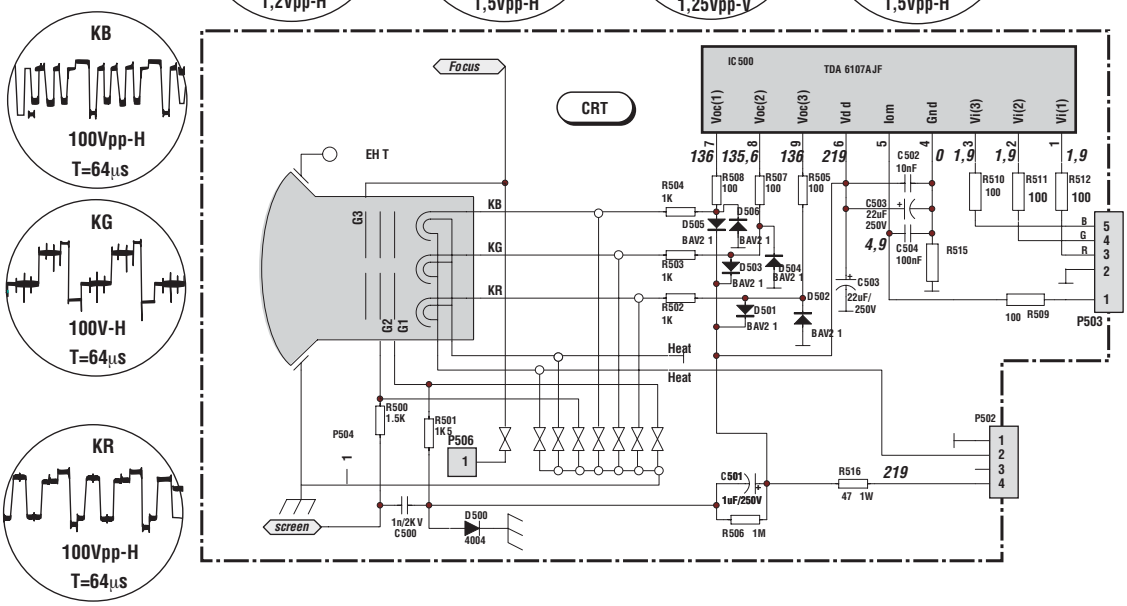
ETC009 - ETC010

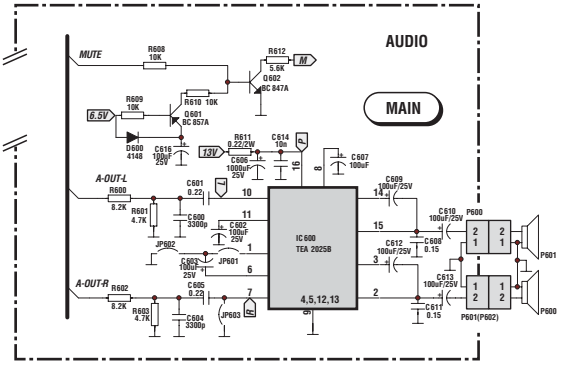
First issue 10 / 04


ATTENTION LIVE AREA
HOT


CRT
TUBE
EHT
X501
D503 BAV2 1
D502 BAV2 1
D501 BAV2 1
KB
KG
KR
G3
G2
G1
P504
screen
200V
P502=>P202 (MAIN)
P503=>P403

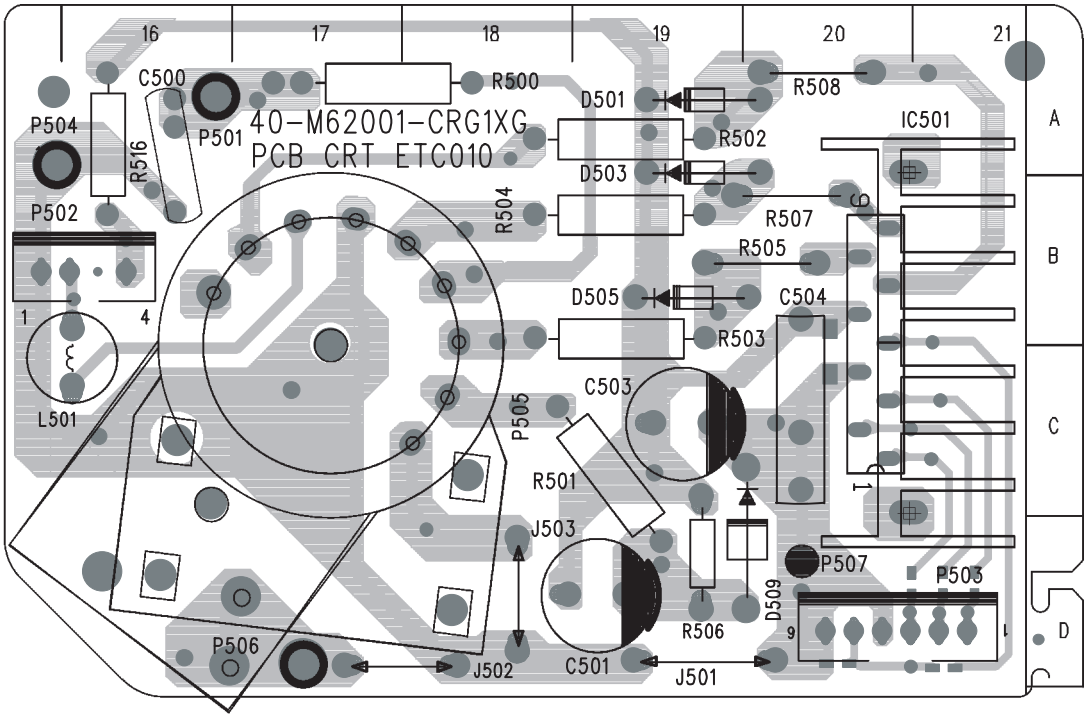

R
1,4V
1,2Vpp-H
G
1,5V
1,5Vpp-H
20ms
1,25Vpp-V
B
1,25V
1,5Vpp-H


KB
100Vpp-H
T=64µs
KG
100V-H
T=64µs
KR
100Vpp-H
T=64µs
Focus
CRT
EH T
IC 500
TDA 6107AJF
Heat
screen
P503
P502
P504
P506

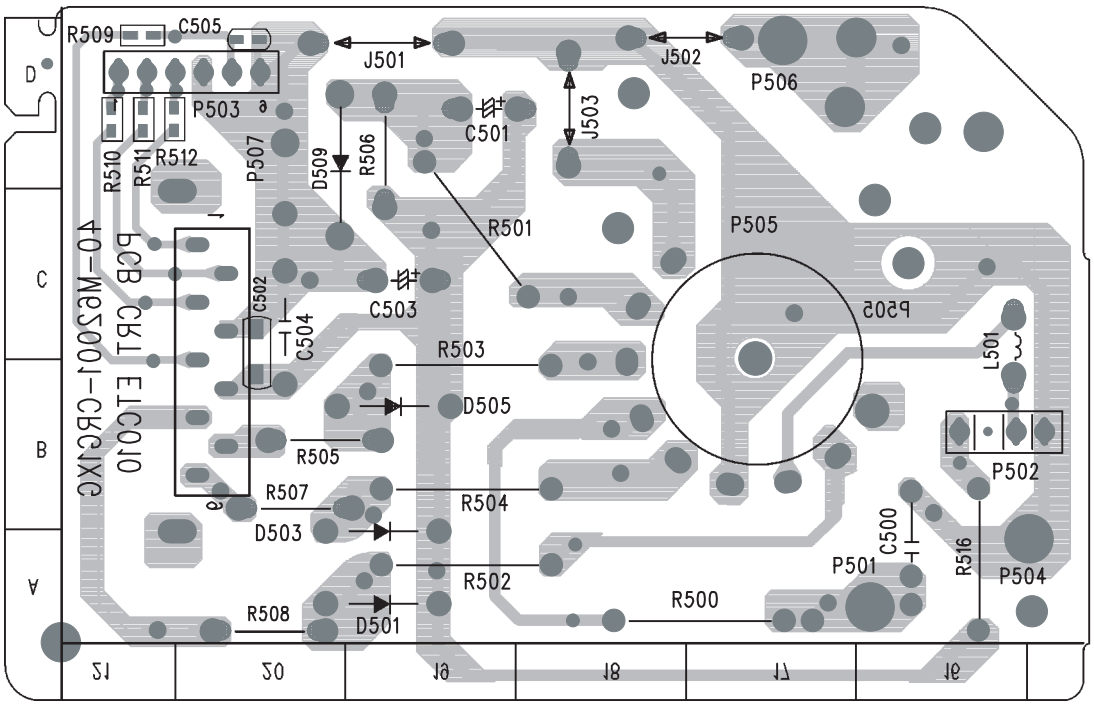

AUDIO
MAIN
MUTE
6.5V
12V
A-OUT-L
A-OUT-R
IC 600
TEA 2025B

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

COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES



SOLDER SIDE - COTÉ CUIVRE - LÖTSEITE - LATO SALDATURE - LADO DEL COBRE



Circuit contains and Circuit itself are subject to change without notice

Chassis Name	ETC010XXX	Serial No.	
Prepared by	Kell Xi	File No.	
Reviewed by	Liu Geng	Version	1.4
Issued on	2005.2.16	Updated On	2005.12.15

THOMSON

TV

PARTS LIST
LISTE PIECES DETACHEES
ERSATZTEILLISTE
LISTA PARTI DI RICAMBIO
LISTA DE PIEZAS DE REPUESTO

THOMSON 28DP182T Chassis ETC010

MODULES

MAIN	**ETC010 T8-K4531K-MANW**	**56311000**
CRT	**CRT T8-K4531K-CRYW**	**56311020**
FCB	**FCB T8-29DM18-SIY**	**56087660**
KB	**KB T8-29DM18-KEY**	**56087640**
SCI	**SCI T8-B5801K-SCY**	**56260130**



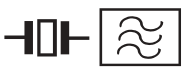
IC001	M24C16-WBN6	20977300
IC200	TDA12020H/N1F00 UOC3 R=Y	56286960
IC301	E-STV9380A	35923680
IC501	TDA610YAJF	35923650
IC601	TDA7266SA	35892060
IC801	HPC922C	35853780
IC802	TDA16846-2	60130550
IC803	TL431 R=Y	36032720
IC804,805	LD1117S50 5V0	35848630
IC806	LD1117S33TR FLAT	21408040
IC860	TEA1520P	56043080
IR081	HRM533AA5100 (RIR)	21427450



Q102,200,202, 281,408,602, 900,902,903	BC847A SMD	35792380
Q201,203	BC327-40	16000450
Q204	2SA1015Y	10434810
Q205,280,601, 901	BC857A SMD	35849760
Q402	BC639	16001240
Q403	BC846B SMD	16006260
Q405	3DD3402	35853710
Q407	IRF630FP	25453960
Q805	SPA04N80C3	56099470
Q850	2SC1815Y	20508030



D005,407	LL4148 SMD	16012450
D006,008,100, 281,282,283, 300,305,307, 409,600,811, 821,850	1N4148	44009209
D010,306	BZX79C3V9 0,50W	16518650
D081A	FB205 LED	35853860
D102	BZX79C33V 0,50W	35923130
D103,104,105	1SS110	16007260
D204,408,900, 901,903	BZX79C5V6 0,50W	56036960
D280	BZX79C24V 0,50W	56039590
D304	BZX79C2V4 0,50W	16518640
D400,402,405, 406,414	FR104	20569370
D401	BY228 R=Y	36028680
D404	FR105	35923670
D411,412,509	1N4004	11073460
D413	BZX79C5V1 0,50W	60130110
D501,503,505	BAV21	44044407
D805	MUR460	16009650
D806	BYW29-200 DIODE	16009090
D810,860	1H8 R=Y	60129950
D825	SR360 60V 3A	35709240
D828	HS9V1C 0,50W	56098300
D829	1N5819	15042270
D861,862,863, 864	1N4007	16008210
D865	FR102 1A 100V R=Y	56039650
D868	UF4004/16 400V	35861820
DB801	D3SB60	21417600



Z100	D35953D FOS	60137960
Z101	D9453D 33M9HZ FOS	56099430
Z200	24M576HZ	60141410



L001,002,003, 004,101,200, 203,204,205, 206,207	10UH 10%	60141070
L201,202	10UH 10%	60134230
L401	0,6UH 10%	60141090
L501	22U0H 10% 1,6A	10470180
L800,804,861	100UH	35854430



R213,216	1R0 OHM 1W		35854050
R324	0R82 OHM 5% 1W R=Y		56258470
R401	680R0 OHM 5% 2W		56099390
R402	10K0 OHM 10% 2W		15022700
R417	1R0 OHM 5% 0,25W	⚠	35923690
R420	3R9 OHM 2W		35853960
R421,422	1R0 OHM 5% 1W	⚠	35850400
R423	0R47 OHM 5% 2W	⚠	35849780
R426,427	4R7 OHM 5% 1W	⚠	35923700
R433	0R47 OHM 5% 0,50W R=Y	⚠	35848670
R500,501	1K5 OHM 5% 0,50W		10121880
R502,503,504	1K0 OHM 10% 0,50W		11057930
R611	0R22 OHM R% 2W R=Y		35854070
R800	100K0 OHM 1% 0,50W		56099250
R811	4M7 OHM 5% 0,50W	⚠	35923310
R813,833	1M0 OHM 5% 0,50W	⚠	56042190
R816	56K0 OHM 10% 5W		56099410
R817	22K0 OHM 5% 2W		13001540
R821	4R7 OHM NTC R=Y	⚠	35849450
R882	8M2 OHM 5% 1W	⚠	56044040
RT800	9R0 OHM 230V PTC	⚠	56092220
RT860	5R0 OHM NTC R=Y	⚠	35923480
VR804	D15H471 VDR	⚠	35849460

R=Y Lead Free / Sans Plomb / ohne blei / senza cavo / sin plomo

For any requests, please contact THOMSON after sales europe area
Pour toutes précisions, contactez votre service apres vente local THOMSON service europe
Für weitere Auskünfte, wenden Sie sich bitte an die THOMSON sales europe Kundendienste
Per precisazioni, contattare l'assistenza tecnica THOMSON sales europe
Para cualquier pregunta, por favor contactar con el responsable de zona del servicio postventa de THOMSON sales europe

VERSION 1 03 / 2006
VERSION 2 00 / 0000
36107260

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C328	820P0F 10% 500V		35923730
C400	22U0F 20% 250V		13071070
C401,418,419, 821,849	220P0F 10% 500V		35851650
C404	1N0F 10% 500V		35854180
C408	3N3F 5% 1K6V		43423600
C410	8N2F 5% 1K6V		35854350
C411	22N0F 400V		35854410
C413	4N3F 5% 1K6V	⚠	60153390
C414	390N0F 5% 250V	⚠	20053100
C421	100N0F 5% 100V		35854370
C500	1N0F 2K0V		14034870
C501,503	10UF 20% 250V		13039480
C504	100N0F 250V		35854260
C813,822	220N0F 20% 275V	⚠	30745000
C818,824,860	10N0F 500V		35854200
C820,827	220P0F 5% 2KV	⚠	35892350
C823	100N0F 10% 400V		13068750
C825	68N0F 20% 275V	⚠	56099800
C828,835	4N7F 10% 400V	⚠	35854250
C828A,835A	470P0F 10% 400V	⚠	35849510
C829	220U0F 400V		35854150
C836	560P0F 20% 2KV		35923330
C861	4U7F 20% 400V		35923490
C882,894	1000P0F 20% 400V	⚠	35849500
C890	100P0F 10% 1K0V		35923500
C891,892	1N5F 10% 1K0V		20338740



L301	LC-EE1941-TCL	⚠	35923810
L400	24U0H 20%	⚠	56092240
L403	800UH		60127530
T401	BCT-1012B DRIVER		35923790
T402	FBT BSC27-0101V	⚠	35923850
T800	20MH	⚠	35854510
T801	TF-M	⚠	56255950
T802	LCL1602	⚠	60134520
T860	BCK-1917A	⚠	35923510

OTHER PARTS
AUTRES PIECES
SONSTIGE TEILE
ALTRE PARTI
OTRAS PIEZAS

CH200	ON/OFF SWITCH MSB2000 CONTACTEUR MARCHE/ARRET MSB2000 EIN-AUS SCHALTER MSB2000 CONTATTORE ACCESO/SPENTO MSB2000 CONTACTOR MARCHA/PARADA MSB2000	⚠	10276500
F800	3A15T 250V TIME-LAG FUSE 3A15T 250V FUSIBLE TEMPORISE 3A15T 250V SICHERUNG 3A15T 250V FUSIBILE TEMPORIZZATO 3A15T 250V FUSIBLE TEMPORIZADO	⚠	10119590
K851	SMIT-SH-105PM RELAY SMIT-SH-105PM RELAIS SMIT-SH-105PM RELAIS SMIT-SH-105PM RELE SMIT-SH-105PM RELE	⚠	35923400
P505	CATHODE RAY TUBE SOCKET SUPPORT TUBE CATHODIQUE BILDROEHRENFASSUNG SUPPORTO TUBO CATODICO SOPORTE T.R.C	⚠	35923070
P909	SCART SOCKET PRISE PERITEL EURO-AV-BUCHSE EUROPRESA NORMALIZZATA EUROCONECTOR		56258590
P960	CINCH SOCKET WH-RD-YE PRISE CINCH WH-RD-YE CINCH-BUCHSE WH-RD-YE PRESA CINCH WH-RD-YE TOMA CINCH WH-RD-YE		56120450
P961	SVHS SOCKET PRISE SVHS BUCHSE SVHS PRESA SVHS TOMA SVHS		56099550
P964	JACK SOCKET PRISE JACK JACK-BUCHSE PRESA JACK TOMA JACK		21428320
R883	3A 250V FUSE R=Y 3A 250V FUSIBLE R=Y 3A 250V SICHERUNG R=Y 3A 250V FUSIBILE R=Y 3A 250V FUSIBLE R=Y	⚠	50129020
R884	5A 250V FUSE R=Y 5A 250V FUSIBLE R=Y 5A 250V SICHERUNG R=Y 5A 250V FUSIBILE R=Y 5A 250V FUSIBLE R=Y	⚠	50129010
S081,082,083, 084,085,086	MICROSWITCH MICRO CONTACTEUR MIKROSCHALTER MICROINTERRUTTORE MICROCONTACTOR		35923100
TU100	TEDE9-284A TUNER TEDE9-284A TETE TEDE9-284A TUNER TEDE9-284A TUNER TEDE9-284A SINTONIZADOR		50094920

EQUIPMENT/PRESENTATION
EQUIPEMENT/PRESENTATION
AUSSTATTUNG/GEHAEUSE
PARTI VARIE
EQUIPO/PRESENTACION

FRONT PANEL AL01TH FACADE AL01TH FRONTPLATTE AL01TH PANNELLO FRONTALE AL01TH PANEL FRONTAL AL01TH			25746830
REAR PANEL GY41TH DOS GY41TH RUECKWAND GY41TH PANNELLO POSTERIORE GY41TH TAPA POSTERIOR GY41TH		⚠	56297540
LOGO THOMSON LOGO THOMSON SCHRIFTZUG THOMSON MARCHIO THOMSON LOGOTIPO THOMSON			25481310
COVER SLOT RGY49TH ENJOLIVEUR RGY49TH ZIERRAHMEN RGY49TH FINIZIONE PANNELLO RGY49TH EMBELLECEDOR PANEL RGY49TH			25693310
CHASSIS SUPPORT SUPPORT CHASSIS CHASSIS HALTER SUPPORTO CHASSIS SOPORTE CHASSIS			25791210
SCI SUPPORT SUPPORT SCI SCI HALTER SUPPORTO SCI SOPORTE SCI			25833140
SUPPORT PLUGS RGY49TH SUPPORT PRISES RGY49TH HALTER BUCHSE RGY49TH SUPPORTO PRESA RGY49TH SOPORTO TOMA RGY49TH			25693330
8R OHM 15W LOUDSPEAKER 60X125 8R OHM 15W HAUT PARLEUR 60X125 8R OHM 15W LAUTSPRECHER 60X125 8R OHM 15W ALTOPARLANTE 60X125 8R OHM 15W ALTAVOZ 60X125			10467060
SUPPORT CU AND BUTTON AL01TH SUPPORT CU ET TOUCHES AL01TH HALTER CU UND TASTE AL01TH SUPPORTO CU E TASTO AL01TH SOPORTE CU Y TECLA AL01TH			25746930
INFRARED WINDOW GLACE INFRAROUGE INFRAROT FENSTER VETRO INFRAROSSO CRISTAL INFRARROJO			25357790
ON/OFF SWITCH SUPPORT SUPPORT CONTACTEUR MARCHE/ARRET HALTER EIN-AUS SCHALTER SUPPORTO CONTATTORE ACCESO/SPENTO SOPORTO CONTACTOR MARCHA/PARADA			25514910
ON/OFF BUTTON AL01TH TOUCHE MARCHE/ARRET AL01TH EIN-AUS TASTE AL01TH TASTO ACCESO/SPENTO AL01TH TECLA MARCHA/PARADA AL01TH			25746940
POWER SUPPLY LEAD 2700MM CORDON D'ALIMENTATION 2700MM NETZKABEL 2700MM CAVO DI ALIMENTAZIONE 2700MM CABLE DE ALIMENTACION 2700MM		⚠	50076360
CORD STOPPER ATTACHE CORDON SECTEUR ZUGENTLASTUNG BRIDA CORDONE DI ALIMENTAZIONE SUJECION CABLE DE ALIMENTACION			25307670

A66EHJ13X715 CATHODE RAY TUBE ⚠ 10715820
A66EHJ13X715 TUBE CATHODIQUE
A66EHJ13X715 FARBBILDROEHRE
A66EHJ13X715 TUBO CATODICO
A66EHJ13X715 T.R.C

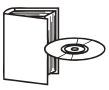
DEGAUSSING COIL 3100MMM ⚠ 60138440
BOBINE DEMAGNETISATION 3100MMM
ENTMAGNETISIERUNGSSPULE 3100MMM
BOBINA DI SMAGNETIZZAZIONE 3100MMM
BOBINA DE DESIMANTACION 3100MMM

RC111TA1G REMOTE CONTROL 21282860
RC111TA1G TELECOMMANDE
RC111TA1G FERNBEDIENUNG
RC111TA1G TELECOMANDO
RC111TA1G TELEMANDO

FOLDING BOX 810MM X 585MM X 645MM 25711570
EMBALLAGE CARTON 810MM X 585MM X 645MM
KARTON 810MM X 585MM X 645MM
IMBALLAGGIO CARTONE 810MM X 585MM X645MM
EMBALAJE CARTON 810MM X 585MM X 645MM

FITTING DOWNER 584MM X 200MM 25711800
CALE INFERIEURE 584MM X 200MM
POLSTER UNTEN 584MM X 200MM
DISTANZIATORE INFERIORE 584MM X 200MM
CALZO INFERIOR 584MM X 200MM

FITTING UPPER 584MM X 166MM 25711940
CALE SUPERIEURE 584MM X 166MM
POLSTER OBEN 584MM X 166MM
DISTANZIATORE SUPERIORE 584MM X 166MM
CALZO SUPERIOR 584MM X 166MM



28DP182T PARTS LIST 36107260
28DP182T LISTE DE PIECES DETACHEES
28DP182T ERSATZTEILLISTE
28DP182T LISTA PARTI DI RICAMBIO
28DP182T LISTA DE PIEZAS DE REPUESTO

ETC009/ETC010 UM 50094090
ETC009/ETC010 NU
ETC009/ETC010 BA
ETC009/ETC010 IU
ETC009/ETC010 IU

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THOMSON Sales Europe - S.A. au capital de 30 000 000 € - Siège : 46, Quai Alphonse Le Gallo 92100 Boulogne FRANCE - RCS NANTERRE B 322 019 464

THOMSON

TV

PARTS LIST
LISTE PIECES DETACHEES
ERSATZTEILLISTE
LISTA PARTI DI RICAMBIO
LISTA DE PIEZAS DE REPUESTO

THOMSON 29DM182T Chassis ETC010

MODULES

MAIN	**ETC010**	**50096710**
CRT	**CRT ETC010**	**50096610**
FAV	**FAV TV/TVD ETC010**	**50096620**
KDB	**KDB ETC010**	**50096630**
MIS	**MIS**	**50108110**
SCI	**SCI ETC010**	**50096690**



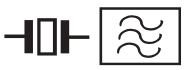
IC001	M24C16 (16K)	35853770
IC200	TDA12020H/N1D00	56040420
IC301	E-STV9380A	35923680
IC501	TDA610YAJF	35923650
IC601	TDA7297SA	21412720
IC801	HPC922C	35853780
IC802	TDA16846-2	60130550
IC803	TL431ACLP	10724920
IC804,805	LD1117S50 5V0	35848630
IC806	LD1117 3V3	35848620
IC860	TEA1520P	56043080
IR081	H4M533AA5100 (RIR)	35923090



Q102,,200,202, 205,211,281, 408,602,900, 902,903, 1301,1302	BC847A SMD	35792380
Q1303,1304, 1305,1306	2SA1015Y	10434810
Q201,203	BC327-40	16000450
Q204,280,601, 901	BC857A SMD	35849760
Q209,210	BSH103 SMD	56046400
Q402	BC639	16001240
Q403	BC846B SMD	16006260
Q405	3DD3402	35853710
Q407	IRF630FP	25453960
Q805	SPA04N80C3	56099470
Q850	2SC1815Y	20508030



D004,304	BZX79C2V4 0,50W	16518640
D005,407	LL4148 SMD	16012450
D006,007,008, 100,281,282, 283,300,305, 307,409,600, 811,821,850	1N4148	44009209
D010,306	BZX79C3V9 0,50W	16518650
D081A	FB205 LED	35853860
D090,413	BZX79C5V1 0,50W	60130110
D102	BZX79C33V 0,50W	35923130
D103,104,105	1SS110	16007260
D204,408,900, 901,902,903, 904	BZX79C5V6 0,50W	56036960
D280	BZX79C24V 0,50W	56039590
D400,402,403, 405,406	FR104	20569370
D401	BY228	16008370
D404	FR105	35923670
D411,412	1N4004	11073460
D500	RGP30MT	10450220
D501,502,503, 504,505,506	BAV21	44044407
D805	MUR460	16009650
D806A	BYW29-200 DIODE	16009090
D810,860	1H8	60129950
D825	SR360 60V 3A	35709240
D828	HS9V1C 0,50W	56098300
D829	1N5819	15042270
D861,862,863, 864	1N4007	16008210
D865	FR102 1A 100V	56039650
D868	UF4004/16 400V	35861820
DB801	D3SB60	21417600



Z100	D35953D FOS	60137960
Z101	D9453D 33M9HZ FOS	56099430
Z200	24M576HZ	60141410



L001,002,003, 004,101,200, 203,204,205, 206,207	10UH 10%	60141070
L201,202	10UH 10%	60134230
L401	0,6UH 10%	60141090
L800,804,861	100UH	35854430



R213,216	1R0 OHM 1W		35854050
R324	0R56 OHM 5% 1W		35923720
R417	1R0 OHM 5% 0,25W	⚠	35923690
R420	3R9 OHM 2W		35853960
R421	1R0 OHM 5% 2W	⚠	35005850
R422	1R0 OHM 5% 1W	⚠	35850400
R423	0R47 OHM 5% 2W	⚠	35849780
R426,427	4R7 OHM 5% 1W	⚠	35923700
R500,501	1K5 OHM 5% 0,50W		10121880
R502,503,504	1K0 OHM 5% 0,50W		10121850
R611	0R1 OHM 5% 2W	⚠	35923710
R800	100K0 OHM 1% 0,50W		56099250
R811	4M7 OHM 5% 0,50W	⚠	35923310
R813,833	1M0 OHM 5% 0,50W	⚠	56042190
R816	56K0 OHM 10% 5W		56099410
R817	15R0 OHM 5% 2W		13001350
R821	4R7 OHM NTC	⚠	35849450
R882	8M2 OHM 5% 1W	⚠	56044040
RT800	9R0 OHM 230V PTC	⚠	56092220
RT860	5R0 OHM NTC	⚠	35923480
VR804	D15H471 VDR		35849460

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C328	820P0F 10% 500V	⚠	35923730
C400	22U0F 250V		35855130
C401,418,419, 821,849	220P0F 10% 500V	⚠	35851650
C404	1N0F 500V	⚠	35854180
C408	3N3F 1K6V	⚠	35854330
C410	6N8F 5% 1K6V	⚠	16518570
C411	22N0F 400V	⚠	35854410
C413	4N3F 5% 1K6V	⚠	60153390
C414	330N0F 250V	⚠	35854290
C421	100N0F 100V		35854370
C500	1N0F 2K0V		14034870
C501,503	10U0F 250V		35855040
C502	10N0F 10% 630V		15442740
C504	100N0F 250V		35854260
C506,507	470PF 10% 500V		35923660
C813,822	220N0F 250VAC	⚠	35854360
C818,824,860	10N0F 500V	⚠	35854200
C820,827	220P0F 5% 2KV	⚠	35892350
C823	100N0F 10% 400V	⚠	13068750
C825	68N0F 20% 275V	⚠	56099800
C828,835	4N7F 10% 400VAC	⚠	35854250
C828A,835A	470P0F 10% 400VAC	⚠	35849510
C829	220U0F 400V	⚠	35854150
C836	560P0F 20% 2KV	⚠	35923330
C882,894	1000P0F 20% 400VAC	⚠	35849500
C890	100P0F 10% 1K0V	⚠	35923500
C891,892	1N5F 10% 1K0V	⚠	20555220

L301	LC-EE1941-TCL	⚠	35923810
L400	24UH	⚠	16536600
L403	800UH	⚠	60127530
T401	BCT-1012B DRIVER	⚠	35923790
T402	FBT BSC27-0101V	⚠	35923850
T800	20MH	⚠	35854510
T801	BCK-4262	⚠	56098860
T802	HCS01-433		35854480
T860	BCK-1917A	⚠	35923510

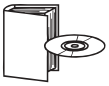
OTHER PARTS
AUTRES PIECES
SONSTIGE TEILE
ALTRE PARTI
OTRAS PIEZAS

F800	3A15T 250V TIME-LAG FUSE 3A15T 250V FUSIBLE TEMPORISE 3A15T 250V SICHERUNG 3A15T 250V FUSIBILE TEMPORIZZATO 3A15T 250V FUSIBLE TEMPORIZADO	⚠	10119590
K851	SMIT-SH-105PM RELAY SMIT-SH-105PM RELAIS SMIT-SH-105PM RELAIS SMIT-SH-105PM RELE SMIT-SH-105PM RELE	⚠	35923400
P500	CATHODE RAY TUBE SOCKET SUPPORT TUBE CATHODIQUE BILDROEHRENFASSUNG SUPPORTO TUBO CATODICO SOPORTE T.R.C	⚠	35923070
P909	SCART SOCKET PRISE PERITEL EURO-AV-BUCHSE EUROPRESA NORMALIZZATA EUROCONECTOR		35892370
P960	CINCH SOCKET RCA PRISE CINCH RCA CINCH-BUCHSE RCA PRESA CINCH RCA TOMA CINCH RCA		35923410
P961	SVHS SOCKET PRISE SVHS BUCHSE SVHS PRESA SVHS TOMA SVHS		56099550
P964	HEADPHONE SOCKET PRISE CASQUE KOPFHOERERBUCHSE PRESA JACK TOMA JACK		35849890
R883	3A 250V FUSE 3A 250V FUSIBLE 3A 250V SICHERUNG 3A 250V FUSIBILE 3A 250V FUSIBLE	⚠	56080090
R884	5A 250V FUSE 5A 250V FUSIBLE 5A 250V SICHERUNG 5A 250V FUSIBILE 5A 250V FUSIBLE	⚠	56079780
S081,082,083, 084,085,086	MICROSWITCH MICRO CONTACTEUR MIKROSCHALTER MICROINTERRUTTORE MICROCONTACTOR		35923100
TU100	07-389FI5-NB1 TUNER 07-389FI5-NB1 TETE 07-389FI5-NB1 TUNER 07-389FI5-NB1 TUNER 07-389FI5-NB1 SINTONIZADOR		50094920

EQUIPMENT/PRESENTATION
EQUIPEMENT/PRESENTATION
AUSSTATTUNG/GEHAEUSE
PARTI VARIE
EQUIPO/PRESENTACION

FOLDING BOX EMBALLAGE CARTON KARTON IMBALLAGGIO CARTONE EMBALAJE CARTON			25722060
RC111TA1G REMOTE CONTROL RC111TA1G TELECOMMANDE RC111TA1G FERNBEDIENUNG RC111TA1G TELECOMANDO RC111TA1G TELEMANDO			21282860
CORD STOPPER ATTACHE CORDON SECTEUR ZUGENTLASTUNG BRIDA CORDONE DI ALIMENTAZIONE SUJECION CABLE DE ALIMENTACION			25307670
SPACER FRONT PANEL ENTRETOISE FACADE DISTANZSCHEIBE FRONTPLATTE DISTANZIATORE PANNELLO FRONTALE ESPACIADOR PANEL FRONTAL			25587590
LOGO THOMSON CHROME LOGO THOMSON CHROME SCHRIFTZUG THOMSON CHROME MARCHIO THOMSON CHROME LOGOTIPO THOMSON CHROME			25677200
A68ELM021X001 CATHODE RAY TUBE A68ELM021X001 TUBE CATHODIQUE A68ELM021X001 FARBBILDROEHRE A68ELM021X001 TUBO CATODICO A68ELM021X001 T.R.C		⚠	21423100
FITTING UPPER CALE SUPERIEURE POLSTER OBEN DISTANZIATORE SUPERIORE CALZO SUPERIOR			25722040
DEGAUSSING COIL 3100MMM BOBINE DEMAGNETISATION 3100MMM ENTMAGNETISIERUNGSSPULE 3100MMM BOBINA DI SMAGNETIZZAZIONE 3100MMM BOBINA DE DESIMANTACION 3100MMM		⚠	60138440
FCB SUPPORT RGY49TH SUPPORT FCB RGY49TH FCB HALTER RGY49TH SUPPORTO FCB RGY49TH SOPORTE FCB RGY49TH			25726730
8R0 OHM 10W LOUSPEAKER 42X105MM 8R0 OHM 10W HAUT PARLEUR 42X105MM 8R0 OHM 10W LAUTSPRECHER 42X105MM 8R0 OHM 10W ALTOPARLANTE 42X105MM 8R0 OHM 10W ALTAVOZ 42X105MM			25737950
REAR PANEL RGY49TH DOS RGY49TH RUECKWAND RGY49TH PANNELLO POSTERIORE RGY49TH TAPA POSTERIOR RGY49TH		⚠	25790900
CHASSIS SUPPORT SUPPORT CHASSIS CHASSIS HALTER SUPPORTO CHASSIS SOPORTE CHASSIS			25791210
BUTTON ASSY CH10TH ENSEMBLE DE TOUCHES CH10TH TASTENEINHEIT CH10TH ASSIEME TASTI CH10TH CONJUNTO DE TECLAS CH10TH			25821410
FRONT PANEL AL01TH FACADE AL01TH FRONTPLATTE AL01TH PANNELLO FRONTALE AL01TH PANEL FRONTAL AL01TH			25821470

POWER SUPPLY LEAD 2700MM CORDON D'ALIMENTATION 2700MM NETZKABEL 2700MM CAVO DI ALIMENTAZIONE 2700MM CABLE DE ALIMENTACION 2700MM	⚠ 50076360
FITTING DOWNER CALE INFERIEURE POLSTER UNTEN DISTANZIATORE INFERIORE CALZO INFERIOR	25722030



ITC009/ITC010 UM ITC009/ITC010 NU ITC009/ITC010 BA ITC009/ITC010 IU ITC009/ITC010 IU	50094090
29DM182T PARTS LIST 29DM182T LISTE DE PIECES DETACHEES 29DM182T ERSATZTEILLISTE 29DM182T LISTA PARTI DI RICAMBIO 29DM182T LISTA DE PIEZAS DE REPUESTO	36004980

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THOMSON

TV

INFORMACION TECNICA N° 2006 - 06

Chasis Afectados : ETC009 - ETC010

Problema observado :
Si ocurre un corte en la tensión de red mientras el TV está en stand-by, al volver la corriente eléctrica el aparato se pone en marcha en lugar de permanecer en el modo que estaba en el momento del corte de corriente (stand-by).

Solución :
Entrar en Modo Servicio :
Cambiar la configuración del modo 6, Power ON a "Last Status" en vez de "Power on".

THOMSON multimedia Sales Spain
Avenida Isla Graciosa,1 Edificio Áncora Parque Empresarial La Marina
28700 San Sebastián de los Reyes (Madrid)
(91) 384 14 19 - http://www.thomson-network.com