

## Adjustments

U G2 / CUTOFF	LL05	Peak white pattern			<table border="1"> <tr><th>Tube</th><th>V Out-off</th></tr> <tr><td>10" MP 90"</td><td>125V +/- 3V</td></tr> <tr><td>14" MP 90"</td><td>125V +/- 3V</td></tr> <tr><td>17" MP 90"</td><td>140V +/- 3V</td></tr> <tr><td>20" MP 90"</td><td>140V +/- 3V</td></tr> <tr><td>21" MP 90"</td><td>140V +/- 3V</td></tr> <tr><td>21" CT 90"</td><td>140V +/- 3V</td></tr> <tr><td>25" MP 110"</td><td>140V +/- 3V</td></tr> <tr><td>28" MP 110"</td><td>140V +/- 3V</td></tr> </table>	Tube	V Out-off	10" MP 90"	125V +/- 3V	14" MP 90"	125V +/- 3V	17" MP 90"	140V +/- 3V	20" MP 90"	140V +/- 3V	21" MP 90"	140V +/- 3V	21" CT 90"	140V +/- 3V	25" MP 110"	140V +/- 3V	28" MP 110"	140V +/- 3V																						
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SYSTEM VOLTAGE	PP051	TV to AV : Black test pattern																																											
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## 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 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 by mains supply switch (wait until LED is dark).
  - 1.3 Whilst pressing the "Magenta (text)" button on the RCU switch "On" the TV set using the mains switch.
- Continue to press the "Magenta (text)" button until the Service-setup Sub-menu appears.

ID 00.07	(1)
INIT	(2)
STANDARD 00 0-03	(3)

### 2. Service Menu

#### 2.1 Navigation

- Press the / buttons to select the menu line.
- Press the / buttons to make adjustments or selection of a menu item.

#### 2.2 Service Sub-Menus

**Set-up lines** (INIT, STANDARD, OSDCONTR) - **Geometry lines** (HS.VS.VA.SC.VSH) **Video lines** (CL, BLORS/BLORP, BLOGS/ BLOGP,WPPRS/WPRP/WPGS/WPBP, WPBS/ WPBP, PWS/PWP, BKS.YD) - **IF lines** (TOP) - **Video Processor** (CD0, CD1, SYN0, SYN1, DEF, VI0, VI1, SOUND, CONTO, CONT1, FEAT0).

#### 2.3 Activation of a line:

The first line (1) is continuously displayed. Sequential selection of the others is possible by pressing the / buttons on the RCU. The selected line will be highlighted in YELLOW text.

#### 3. Alignment and storing new function value

3.1 The current value of the selected function is displayed in a hexadecimal form to the right of the function name. This value is adjusted by means of the RCU / buttons.

3.2 The values will be stored in the non-volatile memory when leaving the service menu.

3.3 To leave the service menu press the "Exit" button on the RCU.

#### 4. Temporary exit from Service Mode

4.1 To temporarily leave the Service Mode, press the "Exit" button on the RCU. To access the everyday menus, press the "Menu" button on the RCU.

4.2 To return to the Service Menu, press the "Magenta" button on the RCU.

#### 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.

## SET-UP LINES

ID 00.07	
INIT	
STANDARD 00 0-03	
OSDCONTR 07 0-0F	
FR 00	

ID 00.07	Software code
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**INIT**  
Initialise TV set.  
Sets all Service Mode functions stored in the EEPROM to their default values.  
See below the default values table.

⚠ "INIT" copy all service parameters from the ROM to EEPROM. It will be necessary in this case to readjust most of the service mode functions.

⚠ "INIT" copie toutes les valeurs par défaut stockées en ROM vers l'EEPROM. Il peut être nécessaire dans ce cas de reprendre la plupart des réglages du mode service.

⚠ "INIT" kopiert alle Service-Parameter aus dem ROM in das EEPROM. Es ist anschließend notwendig die meisten Service-Funktionen neu abzugleichen

⚠ "INIT" copia tutti i parametri di servizio dalla ROM alla EEPROM. Sarà necessario in seguito regolare alcune funzioni in Service Mode.

⚠ "INIT" copia todos los valores por defecto memorizados en la ROM hacia la EEPROM. Puede ser necesario en el caso de tener que reajustar la mayor parte de los ajustes en Modo Servicio

**STANDARD**  
RF Norm Group Selection

00	EU	BG / LL'
01	FR	LL' / BG
02	UK	PAL I only
03	DK	DKK PAL, SECAM

**ROM Default Value :**  
TX 807 C / CS Europe : 00 EU

OSDCONTR	factory Setting
Full-page video text contrast	OSDCONTR = 03H

**FR** Factory Setting: FR=00H  
Specific TX807C mono TDA9351N1.  
00: FR is not available in progr. menu.  
00: FR non disponible dans le menu de programmation  
00: FR ist im Prog. Menü nicht verfügbar  
00: FR non è disponibile nel menu prog.  
00: FR no está disponible en el menú programación

**V-Slope**

Correct      incorrect

**VA**

**SC**

**S-Correction**

**VSH**

overscan :  
V=107%  
H=107%

## Alignments

### GEOMETRY LINES

HS	20 0-3F
VS	1A 0-3F
VA	20 0-3F
SC	10 0-3F
OSDCONTR	07 0-0F
VSH	20 0-3F

HS	
----	--

**VS**  
**V-Slope**

- Apply a test pattern signal to the TV with a single horizontal and vertical line on the screen.
- Select the "VS" line of the menu. The bottom half of the screen will go black.
- Adjust VS until the centre line of the pattern is just visible.
- Leave the line "V-Slope".
- Switch the test pattern signal to the crosshatch geometry pattern.
- Perform the geometry adjustments described below.

- Appliquez une mire de barres avec seulement une ligne blanche horizontale en milieu de l'écran.
- Sélectionner la ligne "V-Slope". La moitié basse de l'écran devient noire.
- Aligner "V-Slope" pour que la ligne médiane soit à peine non visible.
- Commuter la mire en mode de réglage de géométrie (quadrillage).
- Effectuer les réglages de géométrie ci-après.

- Speisen Sie ein Testbild mit einem horizontalen Strich in der Bildmitte ein.
- Wählen Sie im Menü die Funktion "V-Slope" an.
- Die untere Bildhälfte wird dunkel.
- Stellen Sie "V-Slope" so ein, daß die Mittellinie fast verschwindet.
- Verlassen Sie die Funktion "V-Slope".
- Speisen Sie ein Gittertestbild ein.
- Nehmen Sie die Geometrieinstellungen wie nebenstehend beschrieben vor.

- Applicare un monocoppio con un'unica linea bianca orizzontale al centro dello schermo
- Selezionare la riga "V slope" del menu. La parte bassa dello schermo viene oscurata.
- Allineare la "Vertical Slope" in modo che la linea centrale sia appena visibile
- Abbandonare la riga "V slope".
- Posizionare il monocoppio
- Effettuare le regolazioni di geometria descritte in precedenza
- Memorizzare.

- Aplique una carta de ajuste con sólo una línea blanca horizontal y una vertical en el centro de la pantalla.
- Seleccionar en el menú, la línea "V-Slope". La mitad inferior de la pantalla se pondrá oscura.
- Ajuste "V-Slope" justo hasta que la línea horizontal sea invisible.
- Cambiar la carta de ajuste a "cuadrícula" y efectuar los ajustes de geometría descritos a continuación
- Antes de salir, memorizar con "Store"

**VA**

**SC**

**S-Correction**

**VSH**

**CL**

**BLORS / BLORP**

**BLOGS / BLOGP**

**Drive\*\***

**WPRS / WPRP**

**White point Red SECAM/PAL**

**WPBS / WPBP**

**White point Blue SECAM/PAL**

**PWS / PWP\*\***

**Peak White SECAM/PAL**

**BKS**

**Black Stretch**

**YD**

**Luminance Delay**

\*\* Adjust separate for PAL / SECAM  
\* S \* : Video signal received is SECAM.  
\* P \* : Video signal received is PAL.

### VIDEO LINES

CL	00 0-0F
BLORS*	08 0-0F
BLOGS*	08 0-0F
WPRS*	20 0-3F
WPBS*	20 0-3F
PWS*	20 20 20 0-3F
BKS*	0N OFF-ON
YD	08 0-0F

CL	Factory setting.
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**Cathode Level**  
Extension of the peak White range.  
Réglage usine.  
Extension des valeurs de réglages du Peak White.

**Factory Setting.**  
Extension of the peak White range.  
Factory Setting.  
Extension of the peak White range.  
Ajuste de fábrica.  
Extension del margen del Peak White.

**Cutt-off\*\***

**BLORS / BLORP**

**Black level offset Red SECAM/PAL**

**BLOGS / BLOGP**

**Black level offset Green SECAM/PAL**

**Drive\*\***

**WPRS / WPRP**

**White point Red SECAM/PAL**

**WPBS / WPBP**

**White point Blue SECAM/PAL**

**PWS / PWP\*\***

**Peak White SECAM/PAL**

**BKS**

**Black Stretch**

**YD**

**Luminance Delay**

**OSD**

**DESCRIPTION**

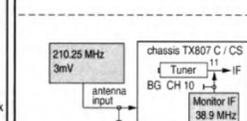
**DEFAULT VALUE (HEX)**

### IF LINES

TOP	20 0-0F
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TOP	
-----	--

**AGC - Take Over**  
Minimum noise - Minimum de bruit  
Minimum Rauschen - Rumore minimo  
Minimo ruido



- Set TOP to 00  
- Adjust TOP for maximum gain of IF signal.  
- Reduce IF level about 8dB.

ROM Default Value : AGC : 20

### DEFAULT VALUES

OSD	DESCRIPTION	DEFAULT VALUE (HEX)
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ID	Software	
INIT	Initialise TV set	
STANDARD	RF Norm Group Selection	0 (EU)
OSDCONTR	OSD Contrast	03
FR	France	00
HS	Horizontal shift	20
VS	Vertical Slope	1A
VA	Vertical Amplitude	20
SC	S-Correction	10
VSH	Vertical shift	20
CL	Cathode Level	00
BLORS	Black level offset Red SECAM	8
BLORP	Black level offset Red PAL	8
BLOGS	Black level offset Green SECAM	8
BLOGP	Black level offset Green SECAM	8
WPRS	White point Red SECAM	20
WPRP	White point Red PAL	20
WPGS	White point Green SECAM	20
WPGP	White point Green PAL	20
WPBS	White point Blue SECAM	20
WPBP	White point Blue PAL	20
PWS	Peak White SECAM	20
PWP	Peak White PAL	20
BKS	Black Stretch	01
YD	Luminance Delay	08
TOP	AGC take-over	20
CD0	Colour Decoder 0	84
CD1	Colour Decoder 1	Mono : 80 Stereo : 00

SYN0	Synchronisation 0	30
SYN1	Synchronisation 1	1C
DEF	Deflection	00
VI0	Vision IF 0	40
VI1	Vision IF 1	00
SOUND	Sound	00
CONTO	Control 0	40
CONT1	Control 1	00
FEAT0	Features 0	00

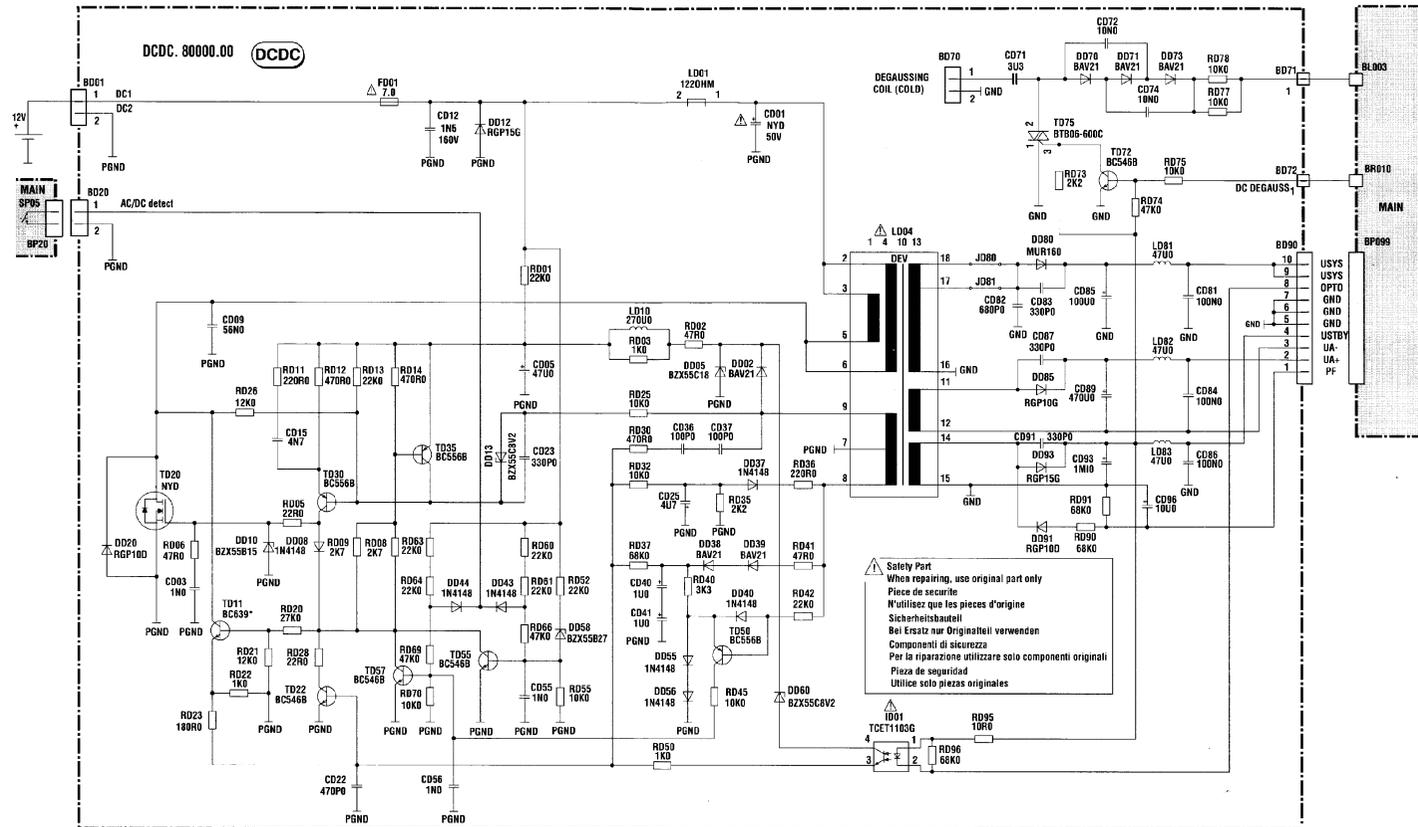
SYN0	Synchronisation 0	30
SYN1	Synchronisation 1	1C
DEF	Deflection	00
VI0	Vision IF 0	40
VI1	Vision IF 1	00
SOUND	Sound	00
CONTO	Control 0	40
CONT1	Control 1	00
FEAT0	Features 0	00

SYN0	Synchronisation 0	30
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DEF	Deflection	00
VI0	Vision IF 0	40
VI1	Vision IF 1	00
SOUND	Sound	00
CONTO	Control 0	40
CONT1	Control 1	00
FEAT0	Features 0	00

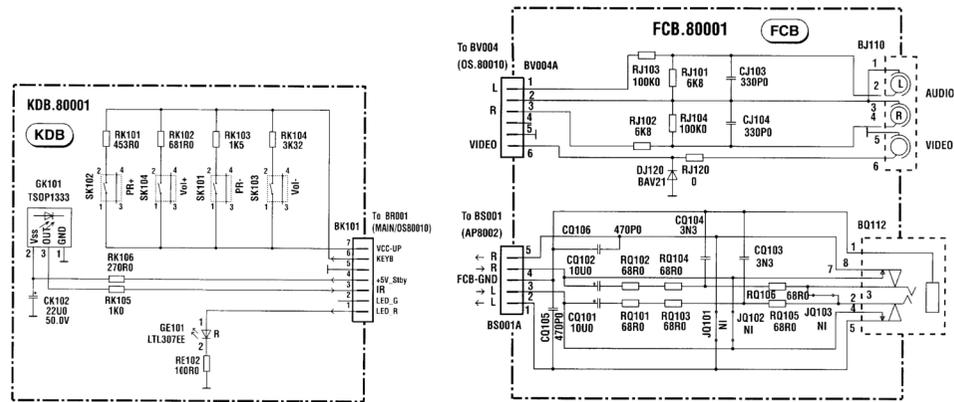
SYN0	Synchronisation 0	30
SYN1	Synchronisation 1	1C
DEF	Deflection	00
VI0	Vision IF 0	40
VI1	Vision IF 1	00
SOUND	Sound	00
CONTO	Control 0	40
CONT1	Control 1	00
FEAT0	Features 0	00

SYN0	Synchronisation 0	30
SYN1	Synchronisation 1	1C
DEF	Deflection	00
VI0	Vision IF 0	40
VI1	Vision IF 1	00
SOUND	Sound	00
CONTO	Control 0	40
CONT1	Control 1	00
FEAT0	Features 0	00

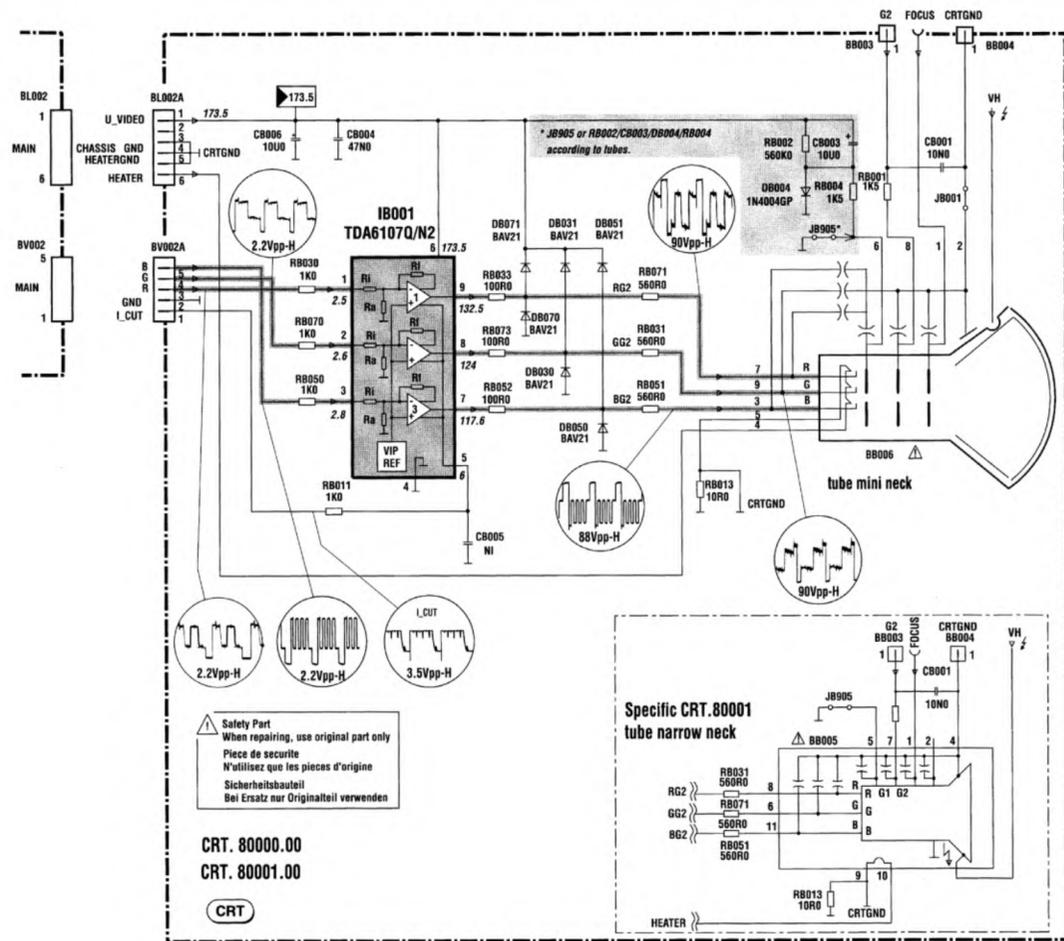
## CC Converter Diagram



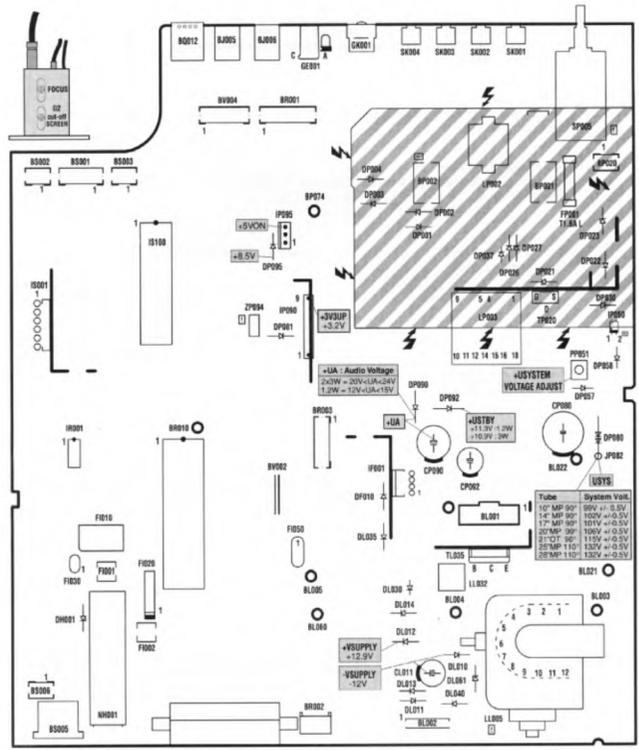
## Front Connector Diagrams



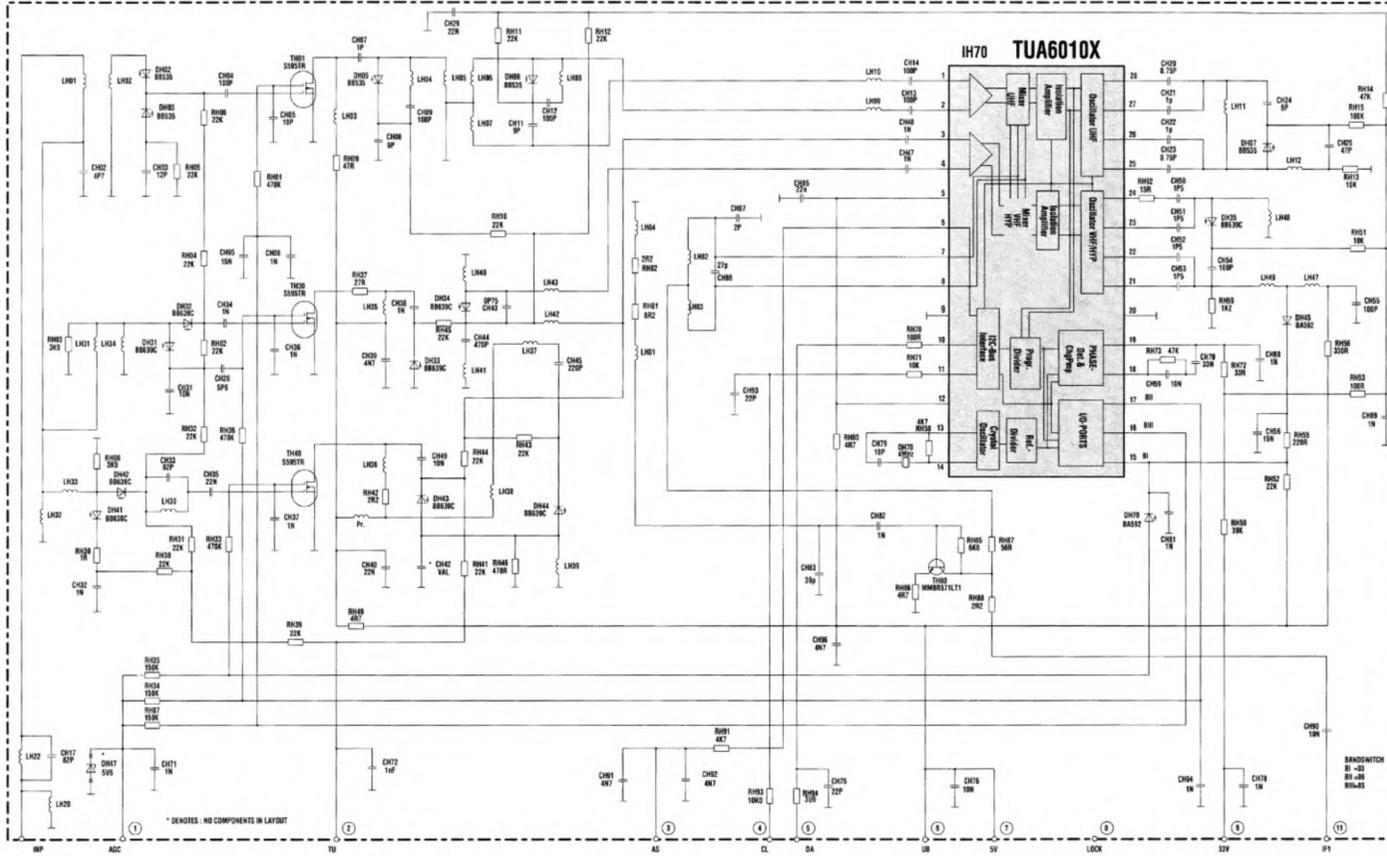
## CRT Diagram



## Locations Guide

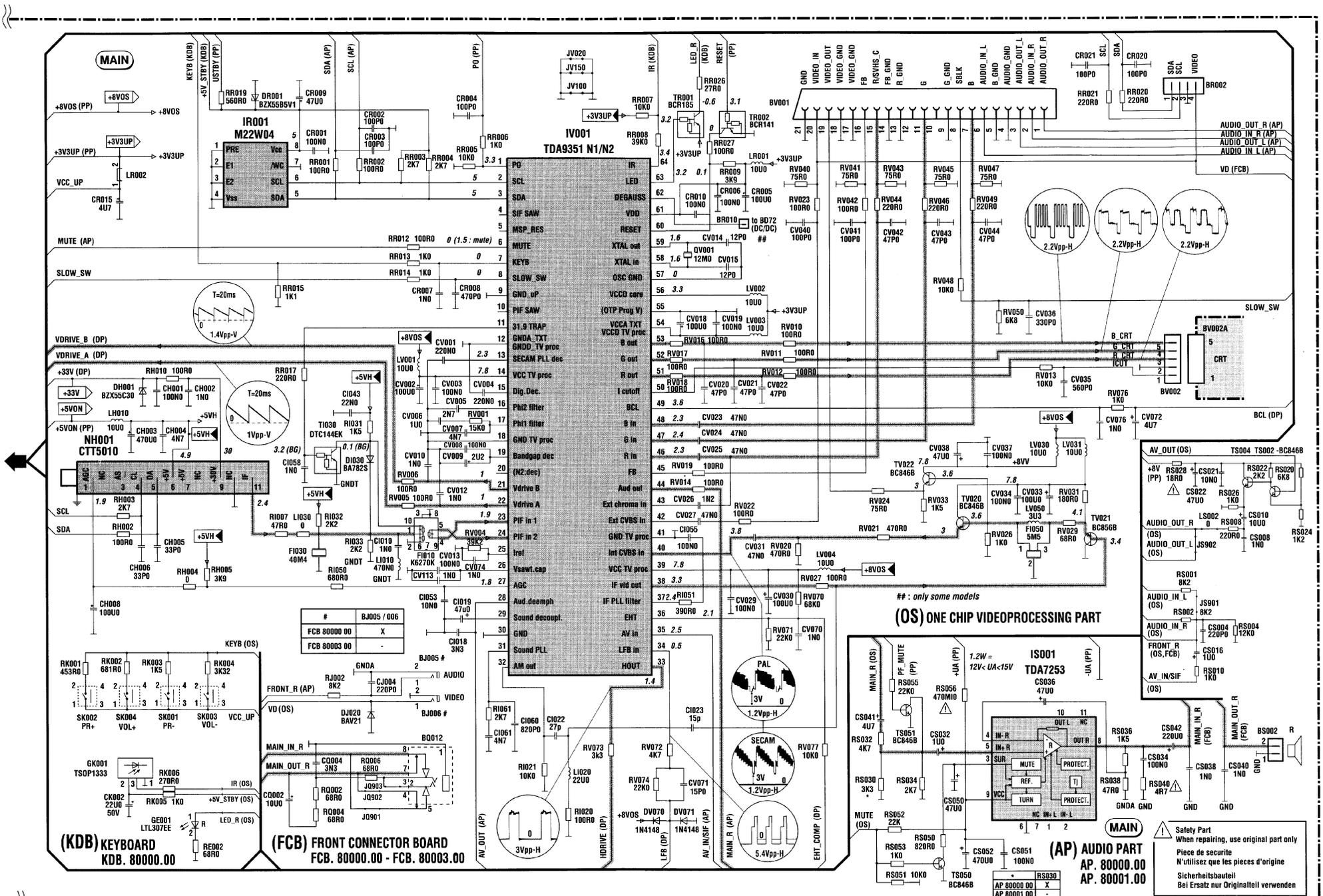


## VHF/UHF Tuner CTT 5010 Diagram

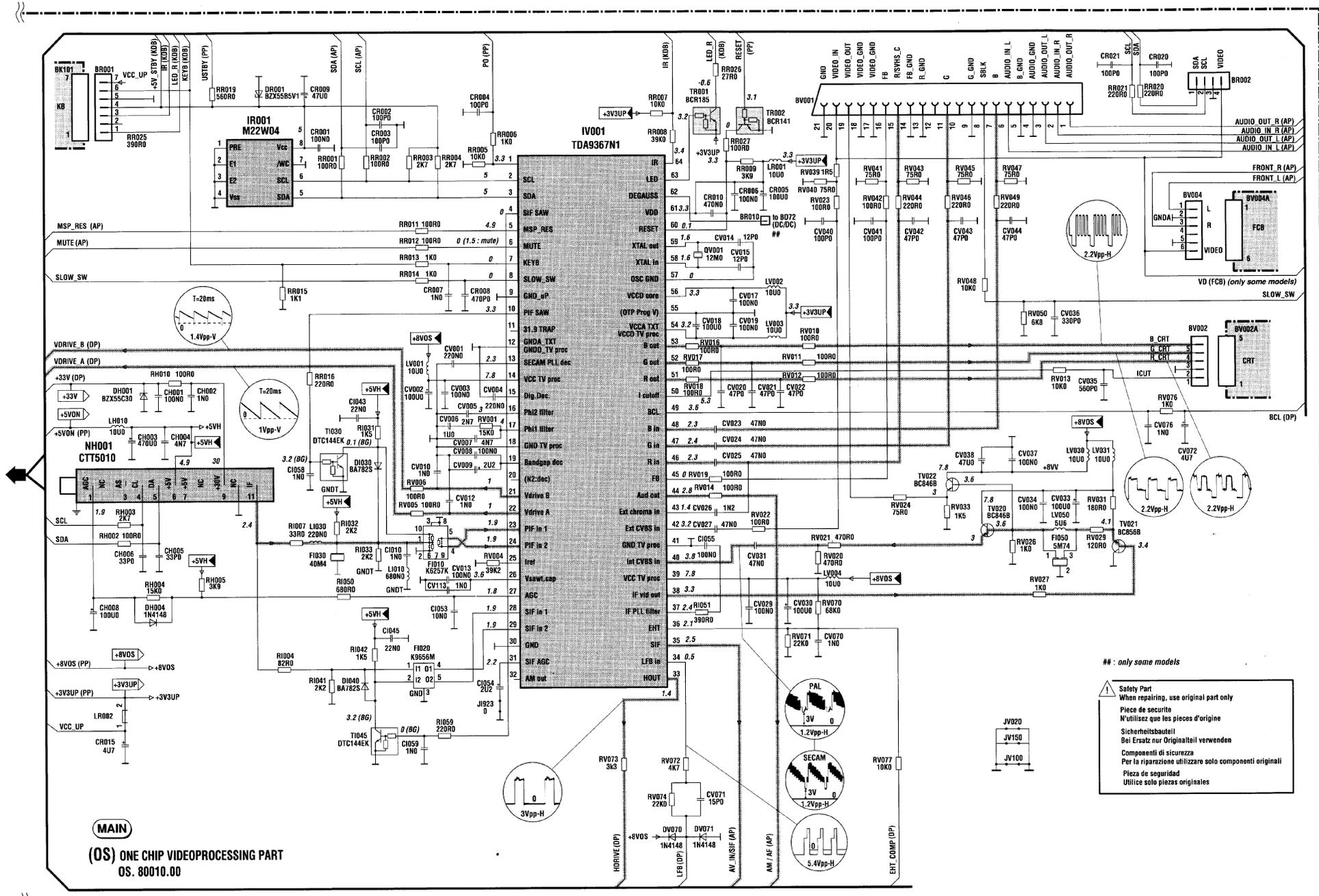




## Main Diagram (TX807 C Mono) 2 of 2



## Main Diagram (TX807 CS Stereo)



##: only some models

**Safety Part**  
When repairing, use original part only  
 Piece de securite  
N'utilisez que les pieces d'origine  
 Sicherheitsbauteil  
Bei Ersatz nur Originalteil verwenden  
 Componenti di sicurezza  
Per la riparazione utilizzare solo componenti originali  
 Pieza de seguridad  
Utilice solo piezas originales

## Audio Diagram (TX807 CS Stereo)

