

## Adjustments

| U G2 / CUTOFF           | LL05          | Peak white pattern<br><br>highest output<br>CRT<br>IB01:<br>Pins 9 / 8 / 7 | <table border="1"> <tr><th>Tube</th><th>V Cut-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" OT 90"</td><td>140V +/- 3V</td></tr> <tr><td>25" MP 110"</td><td>140V +/- 3V</td></tr> </table>  | Tube      | V Cut-off | 10" MP 90" | 125V +/- 3V | 14" MP 90" | 125V +/- 3V | 17" MP 90"   | 140V +/- 3V | 20" MP 90" | 140V +/- 3V | 21" OT 90" | 140V +/- 3V   | 25" MP 110" | 140V +/- 3V |       |            |               |      |       |       |            |               |      |       |       |            |               |      |       |       |             |               |   |       |       |             |               |   |       |       |
|-------------------------|---------------|--|--|-----------|-----------|------------|-------------|------------|-------------|--------------|-------------|------------|-------------|------------|---------------|-------------|-------------|-------|------------|---------------|------|-------|-------|------------|---------------|------|-------|-------|------------|---------------|------|-------|-------|-------------|---------------|---|-------|-------|-------------|---------------|---|-------|-------|
| Tube                    | V Cut-off     |  |  |           |           |            |             |            |             |              |             |            |             |            |               |             |             |       |            |               |      |       |       |            |               |      |       |       |            |               |      |       |       |             |               |   |       |       |             |               |   |       |       |
| 10" MP 90"              | 125V +/- 3V   |  |  |           |           |            |             |            |             |              |             |            |             |            |               |             |             |       |            |               |      |       |       |            |               |      |       |       |            |               |      |       |       |             |               |   |       |       |             |               |   |       |       |
| 14" MP 90"              | 125V +/- 3V   |  |  |           |           |            |             |            |             |              |             |            |             |            |               |             |             |       |            |               |      |       |       |            |               |      |       |       |            |               |      |       |       |             |               |   |       |       |             |               |   |       |       |
| 17" MP 90"              | 140V +/- 3V   |  |  |           |           |            |             |            |             |              |             |            |             |            |               |             |             |       |            |               |      |       |       |            |               |      |       |       |            |               |      |       |       |             |               |   |       |       |             |               |   |       |       |
| 20" MP 90"              | 140V +/- 3V   |  |  |           |           |            |             |            |             |              |             |            |             |            |               |             |             |       |            |               |      |       |       |            |               |      |       |       |            |               |      |       |       |             |               |   |       |       |             |               |   |       |       |
| 21" OT 90"              | 140V +/- 3V   |  |  |           |           |            |             |            |             |              |             |            |             |            |               |             |             |       |            |               |      |       |       |            |               |      |       |       |            |               |      |       |       |             |               |   |       |       |             |               |   |       |       |
| 25" MP 110"             | 140V +/- 3V   |  |  |           |           |            |             |            |             |              |             |            |             |            |               |             |             |       |            |               |      |       |       |            |               |      |       |       |            |               |      |       |       |             |               |   |       |       |             |               |   |       |       |
| FOCUS                   | LL05          | Contrast = 100%<br>Brightness = 0%<br>Test pattern<br>(standard values)    | Sharp picture  |           |           |            |             |            |             |              |             |            |             |            |               |             |             |       |            |               |      |       |       |            |               |      |       |       |            |               |      |       |       |             |               |   |       |       |             |               |   |       |       |
| SYSTEM VOLTAGE<br>+USYS | PP051         | TV to AV : Black tes pattern<br>AV<br>                                     | <table border="1"> <tr><th>Tube</th><th>Usys</th><th>RL090</th><th>JL981-982</th><th>JL991-992</th></tr> <tr><td>10" MP 90"</td><td>99V +/- 0.5V</td><td>76k8</td><td>JL981</td><td>JL992</td></tr> <tr><td>14" MP 90"</td><td>102V +/- 0.5V</td><td>76k8</td><td>JL982</td><td>JL991</td></tr> <tr><td>17" MP 90"</td><td>101V +/- 0.5V</td><td>76k8</td><td>JL981</td><td>JL992</td></tr> <tr><td>20" MP 90"</td><td>106V +/- 0.5V</td><td>86k6</td><td>JL981</td><td>JL992</td></tr> <tr><td>21" OT 90"</td><td>115V +/- 0.5V</td><td>95k3</td><td>JL982</td><td>JL992</td></tr> <tr><td>25" MP 110"</td><td>132V +/- 0.5V</td><td>-</td><td>JL981</td><td>JL992</td></tr> <tr><td>28" MP 110"</td><td>132V +/- 0.5V</td><td>-</td><td>JL981</td><td>JL992</td></tr> </table> | Tube      | Usys      | RL090      | JL981-982   | JL991-992  | 10" MP 90"  | 99V +/- 0.5V | 76k8        | JL981      | JL992       | 14" MP 90" | 102V +/- 0.5V | 76k8        | JL982       | JL991 | 17" MP 90" | 101V +/- 0.5V | 76k8 | JL981 | JL992 | 20" MP 90" | 106V +/- 0.5V | 86k6 | JL981 | JL992 | 21" OT 90" | 115V +/- 0.5V | 95k3 | JL982 | JL992 | 25" MP 110" | 132V +/- 0.5V | - | JL981 | JL992 | 28" MP 110" | 132V +/- 0.5V | - | JL981 | JL992 |
| Tube                    | Usys          | RL090  | JL981-982  | JL991-992 |           |            |             |            |             |              |             |            |             |            |               |             |             |       |            |               |      |       |       |            |               |      |       |       |            |               |      |       |       |             |               |   |       |       |             |               |   |       |       |
| 10" MP 90"              | 99V +/- 0.5V  | 76k8   | JL981  | JL992     |           |            |             |            |             |              |             |            |             |            |               |             |             |       |            |               |      |       |       |            |               |      |       |       |            |               |      |       |       |             |               |   |       |       |             |               |   |       |       |
| 14" MP 90"              | 102V +/- 0.5V | 76k8   | JL982  | JL991     |           |            |             |            |             |              |             |            |             |            |               |             |             |       |            |               |      |       |       |            |               |      |       |       |            |               |      |       |       |             |               |   |       |       |             |               |   |       |       |
| 17" MP 90"              | 101V +/- 0.5V | 76k8   | JL981  | JL992     |           |            |             |            |             |              |             |            |             |            |               |             |             |       |            |               |      |       |       |            |               |      |       |       |            |               |      |       |       |             |               |   |       |       |             |               |   |       |       |
| 20" MP 90"              | 106V +/- 0.5V | 86k6   | JL981  | JL992     |           |            |             |            |             |              |             |            |             |            |               |             |             |       |            |               |      |       |       |            |               |      |       |       |            |               |      |       |       |             |               |   |       |       |             |               |   |       |       |
| 21" OT 90"              | 115V +/- 0.5V | 95k3   | JL982  | JL992     |           |            |             |            |             |              |             |            |             |            |               |             |             |       |            |               |      |       |       |            |               |      |       |       |            |               |      |       |       |             |               |   |       |       |             |               |   |       |       |
| 25" MP 110"             | 132V +/- 0.5V | -  | JL981  | JL992     |           |            |             |            |             |              |             |            |             |            |               |             |             |       |            |               |      |       |       |            |               |      |       |       |            |               |      |       |       |             |               |   |       |       |             |               |   |       |       |
| 28" MP 110"             | 132V +/- 0.5V | -  | JL981  | JL992     |           |            |             |            |             |              |             |            |             |            |               |             |             |       |            |               |      |       |       |            |               |      |       |       |            |               |      |       |       |             |               |   |       |       |             |               |   |       |       |

## 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

- With the RCU, switch the TV set into the "Standby" mode.
  - Switch "Off" the TV set by mains supply switch (wait until LED is dark).
  - 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  $\Delta$  /  $\nabla$  buttons to select the menu line.
  - Press the  $\leftarrow$  /  $\rightarrow$  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/WPGP, WPBS/WPBP, PWS/PWP, BKS, YD) -  
**IF lines** (TOP) -  
**Video Processor** (CD0, CD1, SYN0, SYN1, DEF, V10, V11, SOUND, CONT0, 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  $\Delta$  /  $\nabla$  buttons on the RCU. The selected line will be highlighted in YELLOW text.

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  $\leftarrow$  /  $\rightarrow$  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.

4.1 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.

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

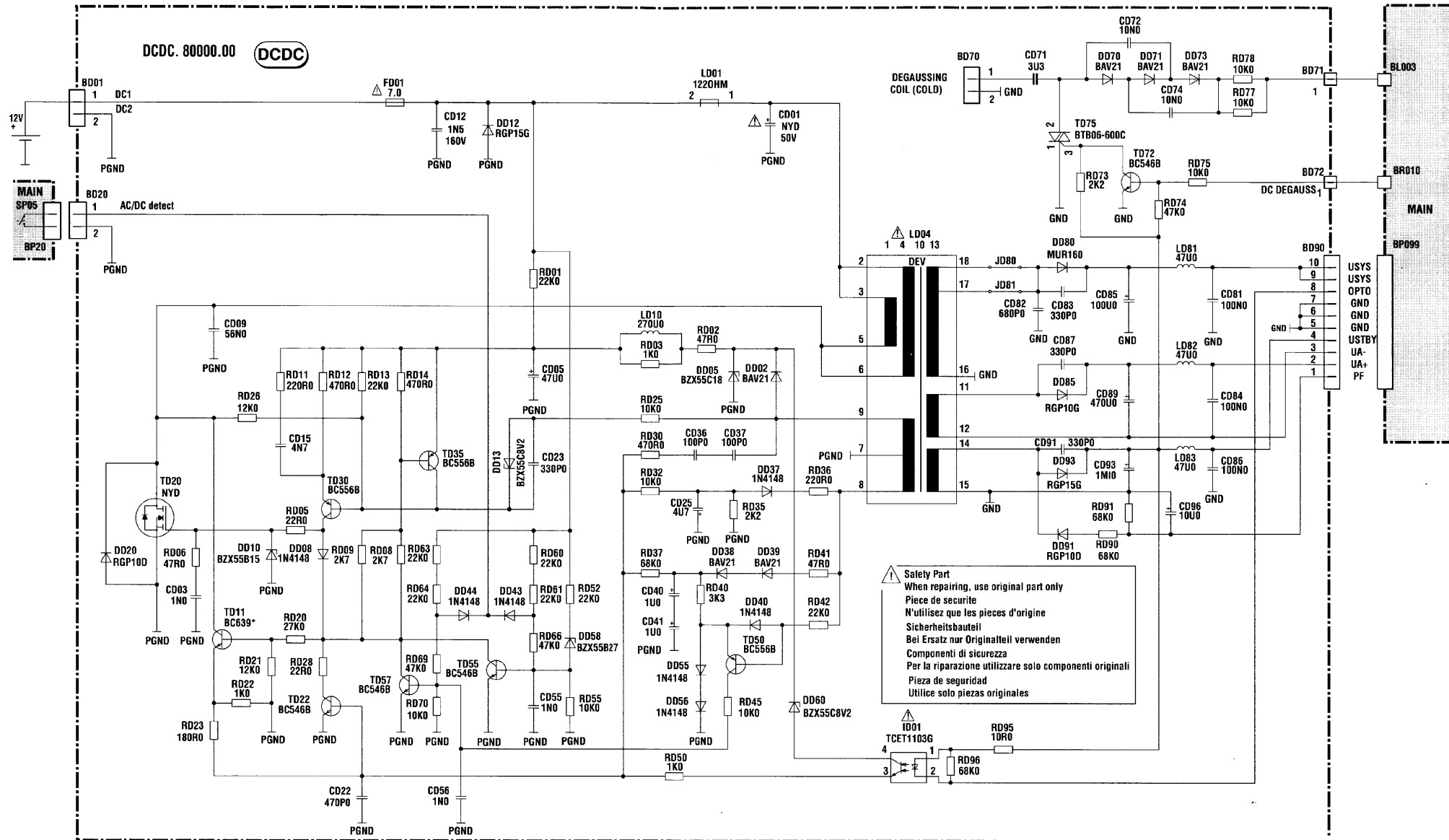
## Alignments

| SET-UP LINES   | GEOMETRY LINES*   | VIDEO LINES   | IF LINES  | VIDEO PROCESSOR LINES  |             |                       |    |          |  |      |                   |  |          |                         |        |          |              |    |    |        |    |    |                  |    |    |                |    |    |                    |    |    |              |    |     |                |    |    |               |    |       |                              |   |       |                            |   |       |                                |   |       |                                |   |      |                       |    |      |                     |    |      |                         |    |      |                       |    |      |                        |    |      |                      |    |     |                  |    |     |                |    |     |               |    |    |                 |    |     |               |    |     |                  |    |     |                  |                         |      |                   |    |      |                   |    |     |            |    |     |             |    |     |             |    |       |       |    |       |           |    |       |           |    |       |            |    |
|--|---|---|---|--|-------------|-----------------------|----|----------|--|------|-------------------|--|----------|-------------------------|--------|----------|--------------|----|----|--------|----|----|------------------|----|----|----------------|----|----|--------------------|----|----|--------------|----|-----|----------------|----|----|---------------|----|-------|------------------------------|---|-------|----------------------------|---|-------|--------------------------------|---|-------|--------------------------------|---|------|-----------------------|----|------|---------------------|----|------|-------------------------|----|------|-----------------------|----|------|------------------------|----|------|----------------------|----|-----|------------------|----|-----|----------------|----|-----|---------------|----|----|-----------------|----|-----|---------------|----|-----|------------------|----|-----|------------------|-------------------------|------|-------------------|----|------|-------------------|----|-----|------------|----|-----|-------------|----|-----|-------------|----|-------|-------|----|-------|-----------|----|-------|-----------|----|-------|------------|----|
| ID 00.07<br>INIT <><br>STANDARD 00 0-03<br>OSDCONTR 07 0-0F<br>FR 00   | HS 20 0-3F<br>VS < 1A 0-3F ><br>VA 20 0-3F<br>SC 10 0-3F<br>VSH 20 0-3F   | CL < 00 0-0F ><br>BLORS* 08 0-0F<br>BLOGS* 08 0-0F<br>WPRS* 20 0-3F<br>WPGS* 20 0-3F<br>PWS* 20 20 20 0-3F<br>BKS* ON OFF-ON<br>YD 08 0-0F  | TOP < 20 0-0F ><br>AGC - Take Over<br>- Minimum noise- Minimum de bruit<br>- Minimum Rauschen - Rumore minimo<br>- Minimo ruido<br>210.25 MHz<br>3mV<br>antenna input<br>chassis TX807 C / CS<br>Tuner 11<br>BG CH 10<br>Monitor IF 38.9 MHz<br>- Set TOP to 00<br>- Adjust TOP for maximum gain of IF signal.<br>- Reduce IF level about 8dB.<br>ROM Default Value : AGC : 20  | CD0 84 0-FF<br>CD1 00 0-0F<br>SYN0 < 30 0-FF ><br>SYN1 08 0-FF<br>DEF 00 0-0F<br>V10 40 0-FF<br>V11 00 0-0F<br>SOUND 00 0-FF<br>CONT0 46 0-FF<br>CONT1 00 0-0F<br>FEAT0 00 0-01<br>CD0 CD1 - Colour Decoder 0 = 84<br>- Colour Decoder 1<br>mono sets: CD1 = 00H<br>stereo sets: CD1 = 00H<br>Factory setting.<br>SYN0 SYN1 - Synchronisation 0 = 30<br>- Synchronisation 1 = 1C<br>Factory setting.<br>DEF - Deflection = 00<br>Factory setting.<br>V10 V11 - Vision IF 0 = 40<br>- Vision IF 1 = 00<br>Factory setting.<br>SOUND - Sound = 00<br>Factory setting.<br>CONT0 CONT0 - Control 0 = 40<br>- Control 1 = 00<br>Factory setting.<br>FEAT0 - Features 0 = 00<br>Factory setting. |             |                       |    |          |  |      |                   |  |          |                         |        |          |              |    |    |        |    |    |                  |    |    |                |    |    |                    |    |    |              |    |     |                |    |    |               |    |       |                              |   |       |                            |   |       |                                |   |       |                                |   |      |                       |    |      |                     |    |      |                         |    |      |                       |    |      |                        |    |      |                      |    |     |                  |    |     |                |    |     |               |    |    |                 |    |     |               |    |     |                  |    |     |                  |                         |      |                   |    |      |                   |    |     |            |    |     |             |    |     |             |    |       |       |    |       |           |    |       |           |    |       |            |    |
| ID 00.07<br>Software code<br>INIT<br>Initialise TV set.<br>Sets all Service Mode functions stored in the EEPROM to their default values.<br>See below the default values table.<br>! "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.<br>! "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.<br>! "INIT" kopiert alle Service-Parameter aus dem ROM in das EEPROM. Es ist anschließend notwendig die meisten Service-Funktionen neu abzugleichen<br>! "INIT" copia tutti i parametri di servizio dalla ROM alla EEPROM. Sarà necessario in seguito regolare alcune funzioni in Service Mode.<br>! "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 | HS<br>VS<br>V_Slope<br>- Apply a test pattern signal to the TV with a single horizontal and vertical line on the screen.<br>- Select the "VS" line of the menu.<br>- The bottom half of the screen will go black.<br>- Adjust VS until the centre line of the pattern is just visible.<br>- Leave the line "V_Slope".<br>- Switch the test pattern signal to the crosshatch geometry pattern.<br>- Perform the geometry adjustments described below.<br>- Appliquer une mire de barres avec seulement une ligne blanche horizontale en milieu de l'écran.<br>- Sélectionner la ligne "V_Slope".<br>- La moitié basse de l'écran devient noire.<br>- Aligner "V_Slope" pour que la ligne médiane soit à peine non visible.<br>- Commuter la mire en mode de réglage de géométrie (quadrillage).<br>- Effectuer les réglages de géométrie ci- après.<br>- Speisen Sie ein Testbild mit einem horizontalen Strich in der Bildmitte ein.<br>- Wählen Sie im Menü die Funktion "V-Slope" an.<br>- Die untere Bildhälfte wird dunkel.<br>- Stellen Sie "V-Slope" so ein, daß die Mittellinie fast verschwindet.<br>- Verlassen Sie die Funktion "V-Slope".<br>- Speisen Sie ein Gittertestbild ein.<br>- Nehmen Sie die Geometrieinstellungen wie nebenstehend beschrieben vor.<br>- Applicare un monoscopio con un'unica linea bianca orizzontale al centro dello schermo<br>- Selezionare la riga "V slope" del menu.<br>- La parte bassa dello schermo viene oscurata.<br>- Allineare la "Vertical Slope" in modo che la linea centrale sia appena visibile<br>- Abbandonare la riga "V slope".<br>- Posizionare il monoscopio<br>- Effettuare le regolazioni di geometria descritte in precedenza<br>- Memorizzare.<br>- Aplique una carta de ajuste con sólo una línea blanca horizontal y una vertical en el centro de la pantalla.<br>- Seleccionar en el menú, la línea "V-Slope". La mitad inferior de la pantalla se pondrá oscura.<br>- Ajuste "V-Slope" justo hasta que la línea horizontal sea invisible.<br>- Cambiar la carta de ajuste a "cuadrícula" y efectuar los ajustes de geometría descritos a continuación<br>- Antes de salir, memorizar con "Store" | CL<br>Cathode Level<br>Factory setting.<br>Extension of the peak White range.<br>Réglage usine.<br>Extension des valeurs de réglages du Peak White.<br>Factory Setting.<br>Extension of the peak White range.<br>Factory Setting.<br>Extension of the peak White range.<br>Ajuste de fábrica<br>Extensión del margen del Peak White.<br>Cult-off **<br>BLORS / BLORP<br>Black level offset Red SECAM/PAL<br>BLOGS / BLOGP<br>Black level offset Green SECAM/PAL<br>Drive**<br>WPRS / WPRP<br>White point Red SECAM/PAL<br>WPGS / WPGP<br>White point Green SECAM/PAL<br>WPBS / WPBP<br>White point Blue SECAM/PAL<br>PWS / PWP**<br>Peak White SECAM/PAL<br>CRT Pin 6,8,11<br>Oscillo. or colourimeter<br>BKS<br>Black Stretch<br>factory Setting<br>YD<br>Luminance Delay<br>Use $\leftarrow$ / $\rightarrow$ to adapt the image | DEFAULT VALUES<br><table border="1"> <thead> <tr> <th>OSD</th> <th>DESCRIPTION</th> <th>DEFAULT VALUE ( HEX )</th> </tr> </thead> <tbody> <tr><td>ID</td><td>Software</td><td></td></tr> <tr><td>INIT</td><td>Initialise TV set</td><td></td></tr> <tr><td>STANDARD</td><td>RF Norm Group Selection</td><td>0 (EU)</td></tr> <tr><td>OSDCONTR</td><td>OSD Contrast</td><td>03</td></tr> <tr><td>FR</td><td>France</td><td>00</td></tr> <tr><td>HS</td><td>Horizontal shift</td><td>20</td></tr> <tr><td>VS</td><td>Vertical Slope</td><td>1A</td></tr> <tr><td>VA</td><td>Vertical Amplitude</td><td>20</td></tr> <tr><td>SC</td><td>S-Correction</td><td>10</td></tr> <tr><td>VSH</td><td>Vertical shift</td><td>20</td></tr> <tr><td>CL</td><td>Cathode Level</td><td>00</td></tr> <tr><td>BLORS</td><td>Black level offset Red SECAM</td><td>8</td></tr> <tr><td>BLORP</td><td>Black level offset Red PAL</td><td>8</td></tr> <tr><td>BLOGS</td><td>Black level offset Green SECAM</td><td>8</td></tr> <tr><td>BLOGP</td><td>Black level offset Green SECAM</td><td>8</td></tr> <tr><td>WPRS</td><td>White point Red SECAM</td><td>20</td></tr> <tr><td>WPRP</td><td>White point Red PAL</td><td>20</td></tr> <tr><td>WPGS</td><td>White point Green SECAM</td><td>20</td></tr> <tr><td>WPGP</td><td>White point Green PAL</td><td>20</td></tr> <tr><td>WPBS</td><td>White point Blue SECAM</td><td>20</td></tr> <tr><td>WPBP</td><td>White point Blue PAL</td><td>20</td></tr> <tr><td>PWS</td><td>Peak White SECAM</td><td>20</td></tr> <tr><td>PWP</td><td>Peak White PAL</td><td>20</td></tr> <tr><td>BKS</td><td>Black Stretch</td><td>01</td></tr> <tr><td>YD</td><td>Luminance Delay</td><td>08</td></tr> <tr><td>TOP</td><td>AGC take-over</td><td>20</td></tr> <tr><td>CD0</td><td>Colour Decoder 0</td><td>84</td></tr> <tr><td>CD1</td><td>Colour Decoder 1</td><td>Mono : 80<br/>Stereo: 00</td></tr> <tr><td>SYN0</td><td>Synchronisation 0</td><td>30</td></tr> <tr><td>SYN1</td><td>Synchronisation 1</td><td>1C</td></tr> <tr><td>DEF</td><td>Deflection</td><td>00</td></tr> <tr><td>V10</td><td>Vision IF 0</td><td>40</td></tr> <tr><td>V11</td><td>Vision IF 1</td><td>00</td></tr> <tr><td>SOUND</td><td>Sound</td><td>00</td></tr> <tr><td>CONT0</td><td>Control 0</td><td>40</td></tr> <tr><td>CONT1</td><td>Control 1</td><td>00</td></tr> <tr><td>FEAT0</td><td>Features 0</td><td>00</td></tr> </tbody> </table> | OSD  | DESCRIPTION | DEFAULT VALUE ( HEX ) | 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<br>Stereo: 00 | SYN0 | Synchronisation 0 | 30 | SYN1 | Synchronisation 1 | 1C | DEF | Deflection | 00 | V10 | Vision IF 0 | 40 | V11 | Vision IF 1 | 00 | SOUND | Sound | 00 | CONT0 | Control 0 | 40 | CONT1 | Control 1 | 00 | FEAT0 | Features 0 | 00 |
| OSD  | DESCRIPTION   | DEFAULT VALUE ( HEX )   |   |  |             |                       |    |          |  |      |                   |  |          |                         |        |          |              |    |    |        |    |    |                  |    |    |                |    |    |                    |    |    |              |    |     |                |    |    |               |    |       |                              |   |       |                            |   |       |                                |   |       |                                |   |      |                       |    |      |                     |    |      |                         |    |      |                       |    |      |                        |    |      |                      |    |     |                  |    |     |                |    |     |               |    |    |                 |    |     |               |    |     |                  |    |     |                  |                         |      |                   |    |      |                   |    |     |            |    |     |             |    |     |             |    |       |       |    |       |           |    |       |           |    |       |            |    |
| 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<br>Stereo: 00   |   |  |             |                       |    |          |  |      |                   |  |          |                         |        |          |              |    |    |        |    |    |                  |    |    |                |    |    |                    |    |    |              |    |     |                |    |    |               |    |       |                              |   |       |                            |   |       |                                |   |       |                                |   |      |                       |    |      |                     |    |      |                         |    |      |                       |    |      |                        |    |      |                      |    |     |                  |    |     |                |    |     |               |    |    |                 |    |     |               |    |     |                  |    |     |                  |                         |      |                   |    |      |                   |    |     |            |    |     |             |    |     |             |    |       |       |    |       |           |    |       |           |    |       |            |    |
| SYN0   | Synchronisation 0   | 30  |   |  |             |                       |    |          |  |      |                   |  |          |                         |        |          |              |    |    |        |    |    |                  |    |    |                |    |    |                    |    |    |              |    |     |                |    |    |               |    |       |                              |   |       |                            |   |       |                                |   |       |                                |   |      |                       |    |      |                     |    |      |                         |    |      |                       |    |      |                        |    |      |                      |    |     |                  |    |     |                |    |     |               |    |    |                 |    |     |               |    |     |                  |    |     |                  |                         |      |                   |    |      |                   |    |     |            |    |     |             |    |     |             |    |       |       |    |       |           |    |       |           |    |       |            |    |
| SYN1   | Synchronisation 1   | 1C  |   |  |             |                       |    |          |  |      |                   |  |          |                         |        |          |              |    |    |        |    |    |                  |    |    |                |    |    |                    |    |    |              |    |     |                |    |    |               |    |       |                              |   |       |                            |   |       |                                |   |       |                                |   |      |                       |    |      |                     |    |      |                         |    |      |                       |    |      |                        |    |      |                      |    |     |                  |    |     |                |    |     |               |    |    |                 |    |     |               |    |     |                  |    |     |                  |                         |      |                   |    |      |                   |    |     |            |    |     |             |    |     |             |    |       |       |    |       |           |    |       |           |    |       |            |    |
| DEF  | Deflection  | 00  |   |  |             |                       |    |          |  |      |                   |  |          |                         |        |          |              |    |    |        |    |    |                  |    |    |                |    |    |                    |    |    |              |    |     |                |    |    |               |    |       |                              |   |       |                            |   |       |                                |   |       |                                |   |      |                       |    |      |                     |    |      |                         |    |      |                       |    |      |                        |    |      |                      |    |     |                  |    |     |                |    |     |               |    |    |                 |    |     |               |    |     |                  |    |     |                  |                         |      |                   |    |      |                   |    |     |            |    |     |             |    |     |             |    |       |       |    |       |           |    |       |           |    |       |            |    |
| V10  | Vision IF 0   | 40  |   |  |             |                       |    |          |  |      |                   |  |          |                         |        |          |              |    |    |        |    |    |                  |    |    |                |    |    |                    |    |    |              |    |     |                |    |    |               |    |       |                              |   |       |                            |   |       |                                |   |       |                                |   |      |                       |    |      |                     |    |      |                         |    |      |                       |    |      |                        |    |      |                      |    |     |                  |    |     |                |    |     |               |    |    |                 |    |     |               |    |     |                  |    |     |                  |                         |      |                   |    |      |                   |    |     |            |    |     |             |    |     |             |    |       |       |    |       |           |    |       |           |    |       |            |    |
| V11  | Vision IF 1   | 00  |   |  |             |                       |    |          |  |      |                   |  |          |                         |        |          |              |    |    |        |    |    |                  |    |    |                |    |    |                    |    |    |              |    |     |                |    |    |               |    |       |                              |   |       |                            |   |       |                                |   |       |                                |   |      |                       |    |      |                     |    |      |                         |    |      |                       |    |      |                        |    |      |                      |    |     |                  |    |     |                |    |     |               |    |    |                 |    |     |               |    |     |                  |    |     |                  |                         |      |                   |    |      |                   |    |     |            |    |     |             |    |     |             |    |       |       |    |       |           |    |       |           |    |       |            |    |
| SOUND  | Sound   | 00  |   |  |             |                       |    |          |  |      |                   |  |          |                         |        |          |              |    |    |        |    |    |                  |    |    |                |    |    |                    |    |    |              |    |     |                |    |    |               |    |       |                              |   |       |                            |   |       |                                |   |       |                                |   |      |                       |    |      |                     |    |      |                         |    |      |                       |    |      |                        |    |      |                      |    |     |                  |    |     |                |    |     |               |    |    |                 |    |     |               |    |     |                  |    |     |                  |                         |      |                   |    |      |                   |    |     |            |    |     |             |    |     |             |    |       |       |    |       |           |    |       |           |    |       |            |    |
| CONT0  | Control 0   | 40  |   |  |             |                       |    |          |  |      |                   |  |          |                         |        |          |              |    |    |        |    |    |                  |    |    |                |    |    |                    |    |    |              |    |     |                |    |    |               |    |       |                              |   |       |                            |   |       |                                |   |       |                                |   |      |                       |    |      |                     |    |      |                         |    |      |                       |    |      |                        |    |      |                      |    |     |                  |    |     |                |    |     |               |    |    |                 |    |     |               |    |     |                  |    |     |                  |                         |      |                   |    |      |                   |    |     |            |    |     |             |    |     |             |    |       |       |    |       |           |    |       |           |    |       |            |    |
| CONT1  | Control 1   | 00  |   |  |             |                       |    |          |  |      |                   |  |          |                         |        |          |              |    |    |        |    |    |                  |    |    |                |    |    |                    |    |    |              |    |     |                |    |    |               |    |       |                              |   |       |                            |   |       |                                |   |       |                                |   |      |                       |    |      |                     |    |      |                         |    |      |                       |    |      |                        |    |      |                      |    |     |                  |    |     |                |    |     |               |    |    |                 |    |     |               |    |     |                  |    |     |                  |                         |      |                   |    |      |                   |    |     |            |    |     |             |    |     |             |    |       |       |    |       |           |    |       |           |    |       |            |    |
| FEAT0  | Features 0  | 00  |   |  |             |                       |    |          |  |      |                   |  |          |                         |        |          |              |    |    |        |    |    |                  |    |    |                |    |    |                    |    |    |              |    |     |                |    |    |               |    |       |                              |   |       |                            |   |       |                                |   |       |                                |   |      |                       |    |      |                     |    |      |                         |    |      |                       |    |      |                        |    |      |                      |    |     |                  |    |     |                |    |     |               |    |    |                 |    |     |               |    |     |                  |    |     |                  |                         |      |                   |    |      |                   |    |     |            |    |     |             |    |     |             |    |       |       |    |       |           |    |       |           |    |       |            |    |
| VA<br>SC<br>S-Correction<br>VSH  | VA<br>SC<br>S-Correction<br>VSH   | VA<br>SC<br>S-Correction<br>VSH   | VA<br>SC<br>S-Correction<br>VSH   | VA<br>SC<br>S-Correction<br>VSH  |             |                       |    |          |  |      |                   |  |          |                         |        |          |              |    |    |        |    |    |                  |    |    |                |    |    |                    |    |    |              |    |     |                |    |    |               |    |       |                              |   |       |                            |   |       |                                |   |       |                                |   |      |                       |    |      |                     |    |      |                         |    |      |                       |    |      |                        |    |      |                      |    |     |                  |    |     |                |    |     |               |    |    |                 |    |     |               |    |     |                  |    |     |                  |                         |      |                   |    |      |                   |    |     |            |    |     |             |    |     |             |    |       |       |    |       |           |    |       |           |    |       |            |    |
| V-Slope<br>Correct      incorrect  | V-Slope<br>Correct      incorrect   | V-Slope<br>Correct      incorrect   | V-Slope<br>Correct      incorrect   | V-Slope<br>Correct      incorrect  |             |                       |    |          |  |      |                   |  |          |                         |        |          |              |    |    |        |    |    |                  |    |    |                |    |    |                    |    |    |              |    |     |                |    |    |               |    |       |                              |   |       |                            |   |       |                                |   |       |                                |   |      |                       |    |      |                     |    |      |                         |    |      |                       |    |      |                        |    |      |                      |    |     |                  |    |     |                |    |     |               |    |    |                 |    |     |               |    |     |                  |    |     |                  |                         |      |                   |    |      |                   |    |     |            |    |     |             |    |     |             |    |       |       |    |       |           |    |       |           |    |       |            |    |
| overscan :<br>V=107%<br>H=107%   | overscan :<br>V=107%<br>H=107%  | overscan :<br>V=107%<br>H=107%  | overscan :<br>V=107%<br>H=107%  | overscan :<br>V=107%<br>H=107%   |             |                       |    |          |  |      |                   |  |          |                         |        |          |              |    |    |        |    |    |                  |    |    |                |    |    |                    |    |    |              |    |     |                |    |    |               |    |       |                              |   |       |                            |   |       |                                |   |       |                                |   |      |                       |    |      |                     |    |      |                         |    |      |                       |    |      |                        |    |      |                      |    |     |                  |    |     |                |    |     |               |    |    |                 |    |     |               |    |     |                  |    |     |                  |                         |      |                   |    |      |                   |    |     |            |    |     |             |    |     |             |    |       |       |    |       |           |    |       |           |    |       |            |    |

\*Perform the G2 and the Focus settings beforehand.  
 Effectuez au préalable les réglages de G2 et de focus.  
 Stellen Sie zuvor G2 und "Focus" ein.  
 Effettuare le regolazioni G2 e del Fuoco innanzitutto.  
 Efectuar previamente los ajustes de G2 y Foco

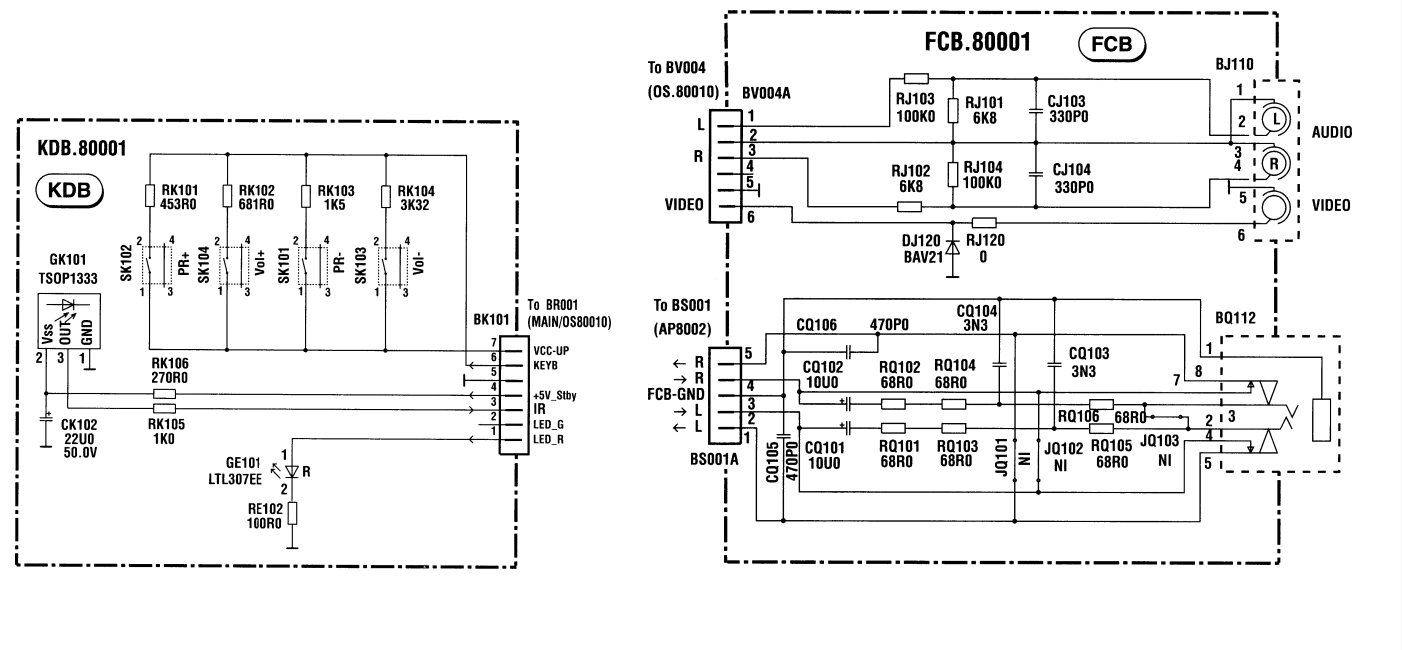
\*\* Adjust separate for PAL / SECAM  
 " S " : Video signal received is SECAM.  
 " P " : Video signal received is PAL.

## CC Converter Diagram

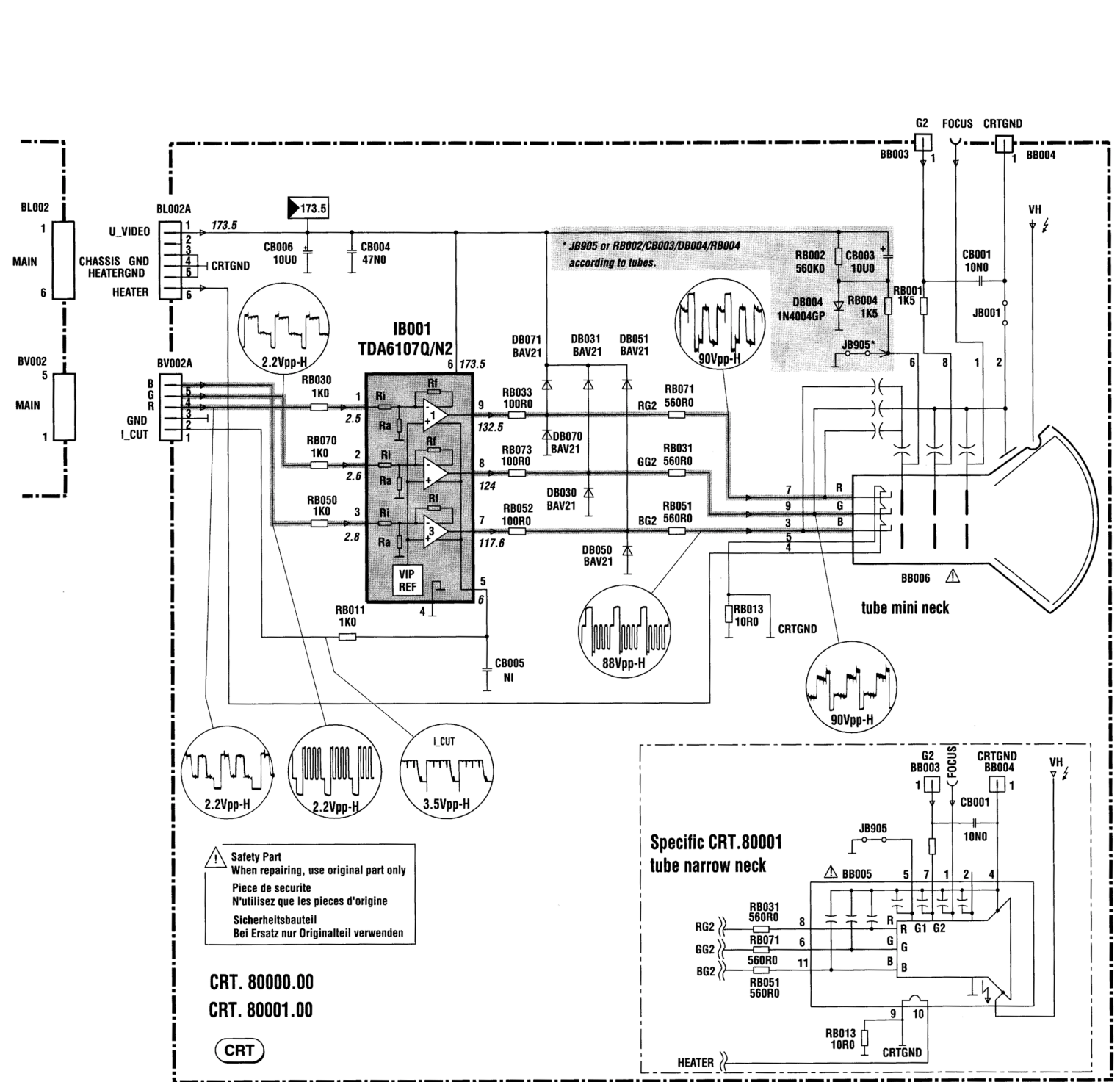


# THOMSON TX807 C/CS

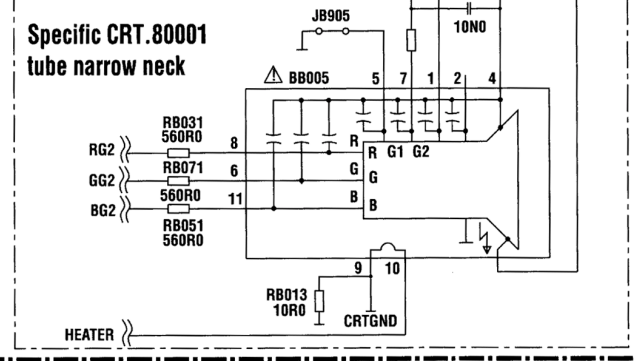
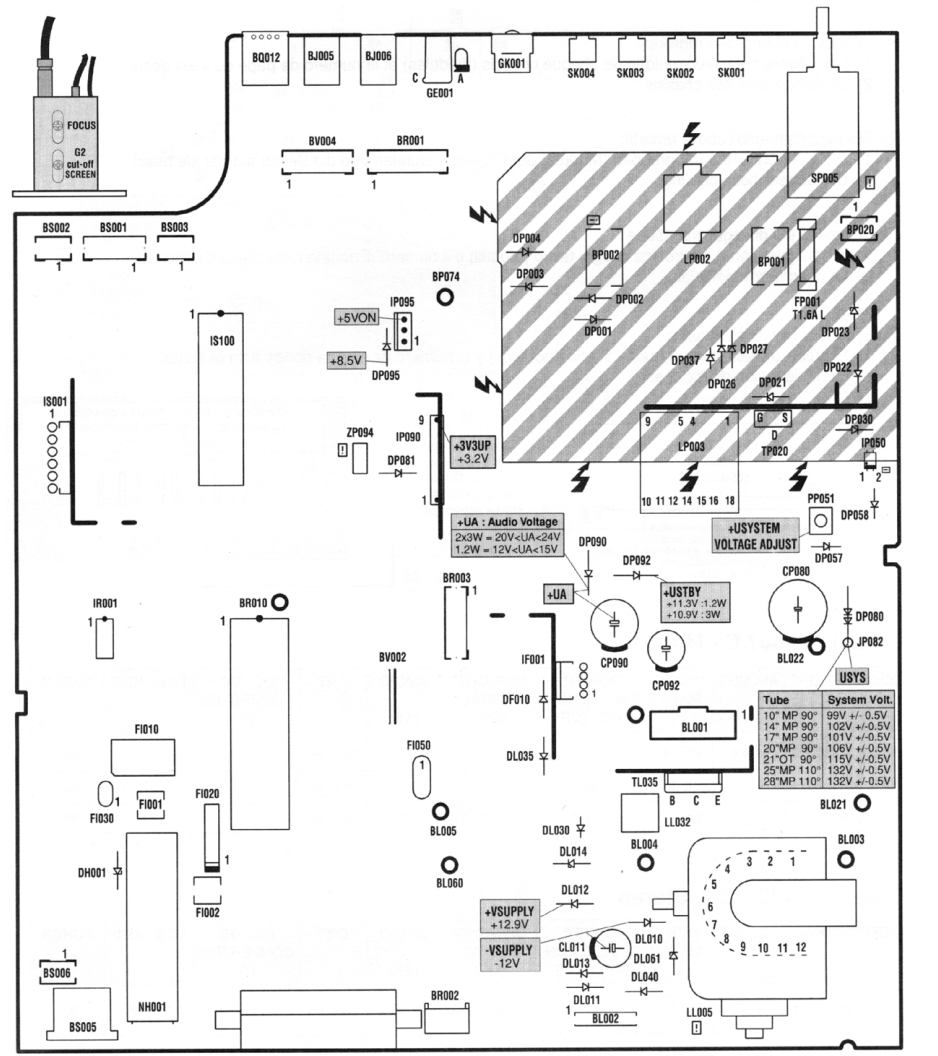
## Front Connector Diagrams



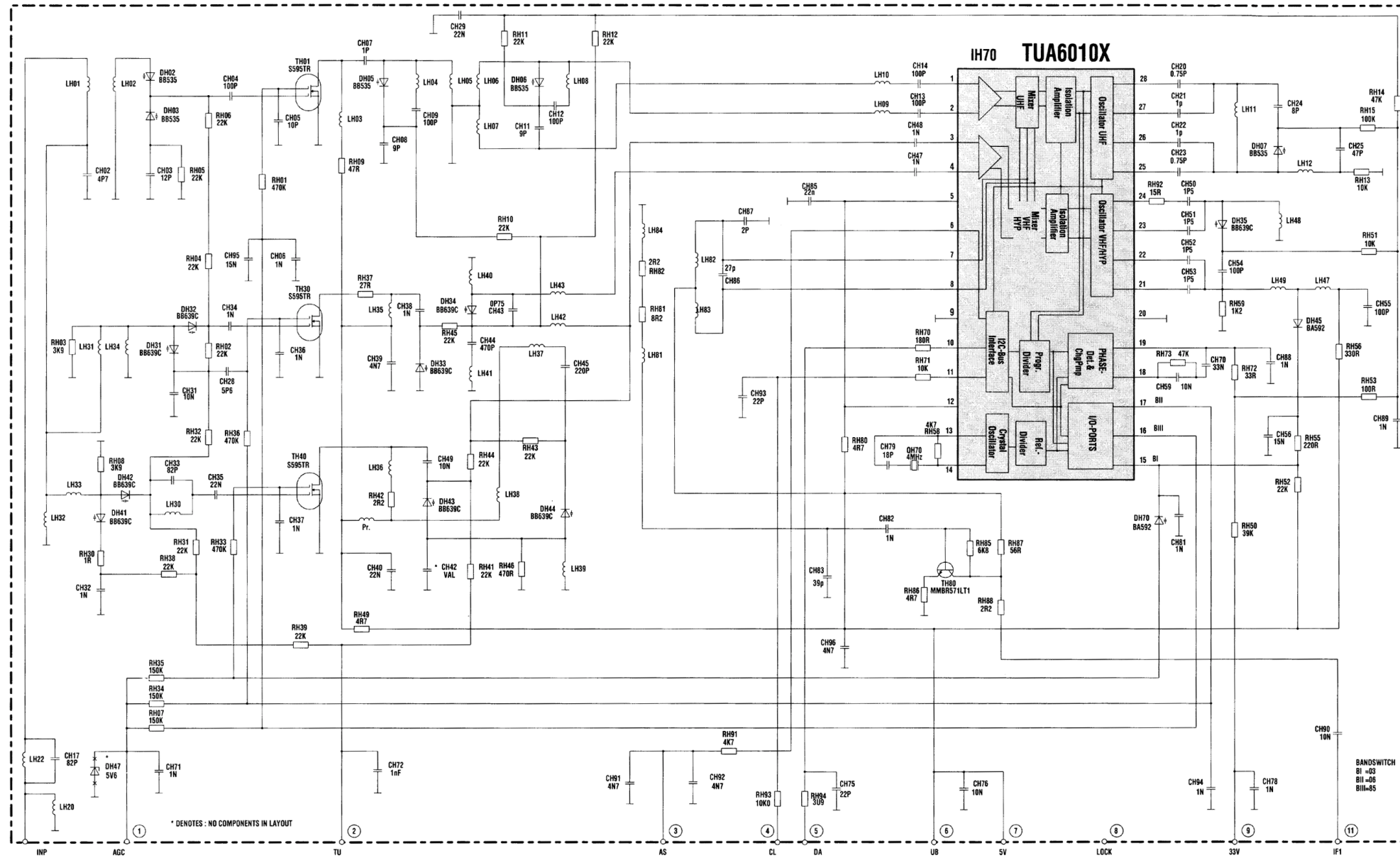
## CRT Diagram



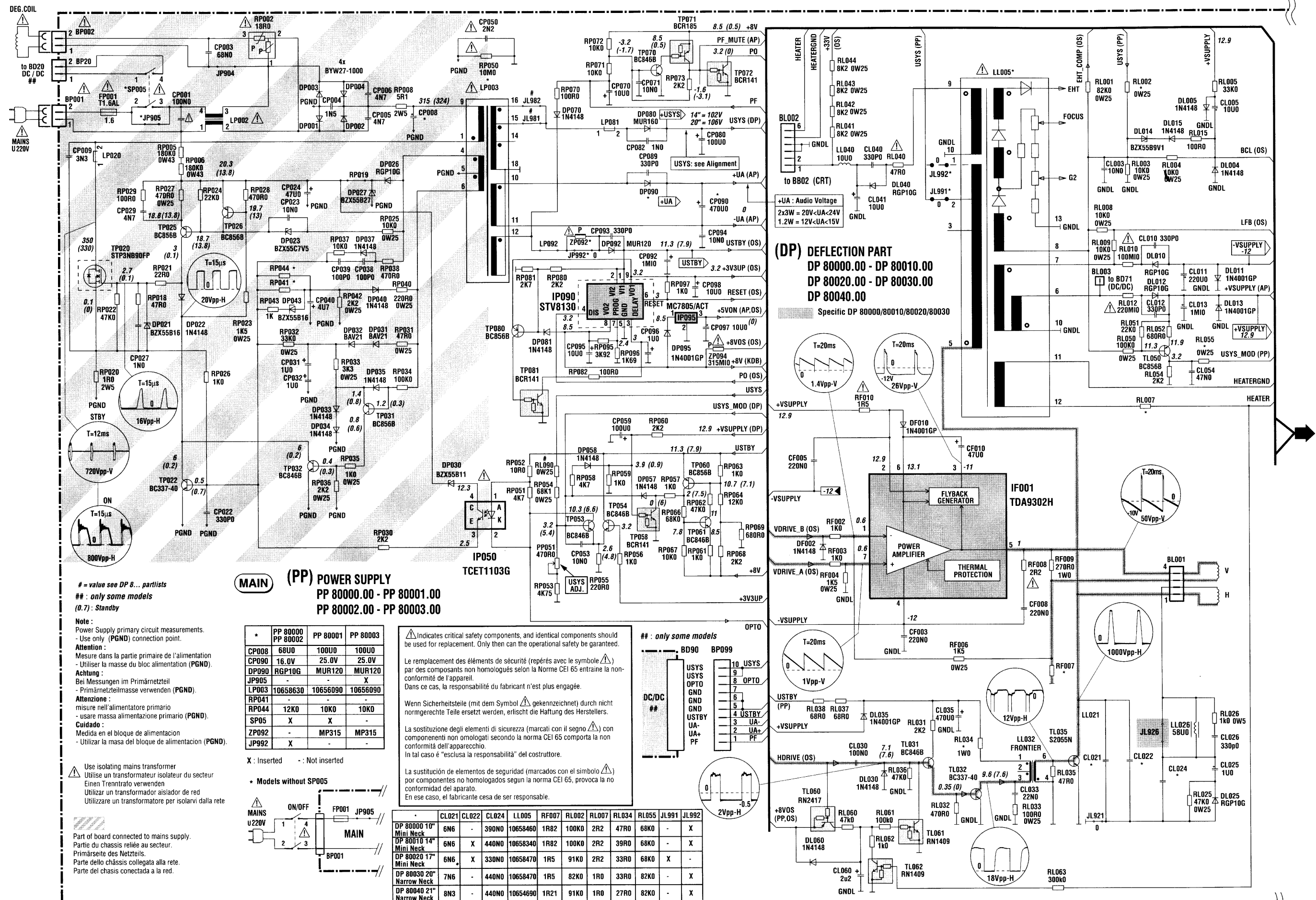
## Locations Guide



## VHF/UHF Tuner CTT 5010 Diagram



## Main Diagram (TX807 C Mono) 1 of 2



# = value see DP 8... partlists  
 ## : only some models  
 (0.7) : Standby

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

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

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

**Attenzione:**  
 misura nell'alimentatore primario  
 - usare massa alimentazione primario (PGND).

**Cuidado:**  
 Medida en el bloque de alimentación  
 - Utilizar la masa del bloque de alimentación (PGND).

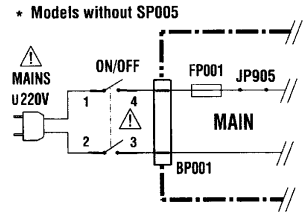
Use isolating mains transformer  
 Utilisez un transformateur isolateur du secteur  
 Einen Trenntrafo verwenden  
 Utilizar un transformador aislador de red  
 Utilizzare un trasformatore per isolarvi dalla rete

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

**(PP) POWER SUPPLY**  
 PP 80000.00 - PP 80001.00  
 PP 80002.00 - PP 80003.00

| *     | PP 80000<br>PP 80002 | PP 80001 | PP 80003 |
|-------|----------------------|----------|----------|
| CP008 | 68U0                 | 100U0    | 100U0    |
| CP090 | 16.0V                | 25.0V    | 25.0V    |
| DP090 | RGP10G               | MUR120   | MUR120   |
| JP905 | -                    | X        | -        |
| LP003 | 10658630             | 10656090 | 10656090 |
| RP041 | -                    | -        | -        |
| RP044 | 12K0                 | 10K0     | 10K0     |
| SP05  | X                    | X        | -        |
| ZP092 | -                    | MP315    | MP315    |
| JP992 | X                    | -        | -        |

X: Inserted - : Not inserted



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

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 du fabricant n'est plus engagée.

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

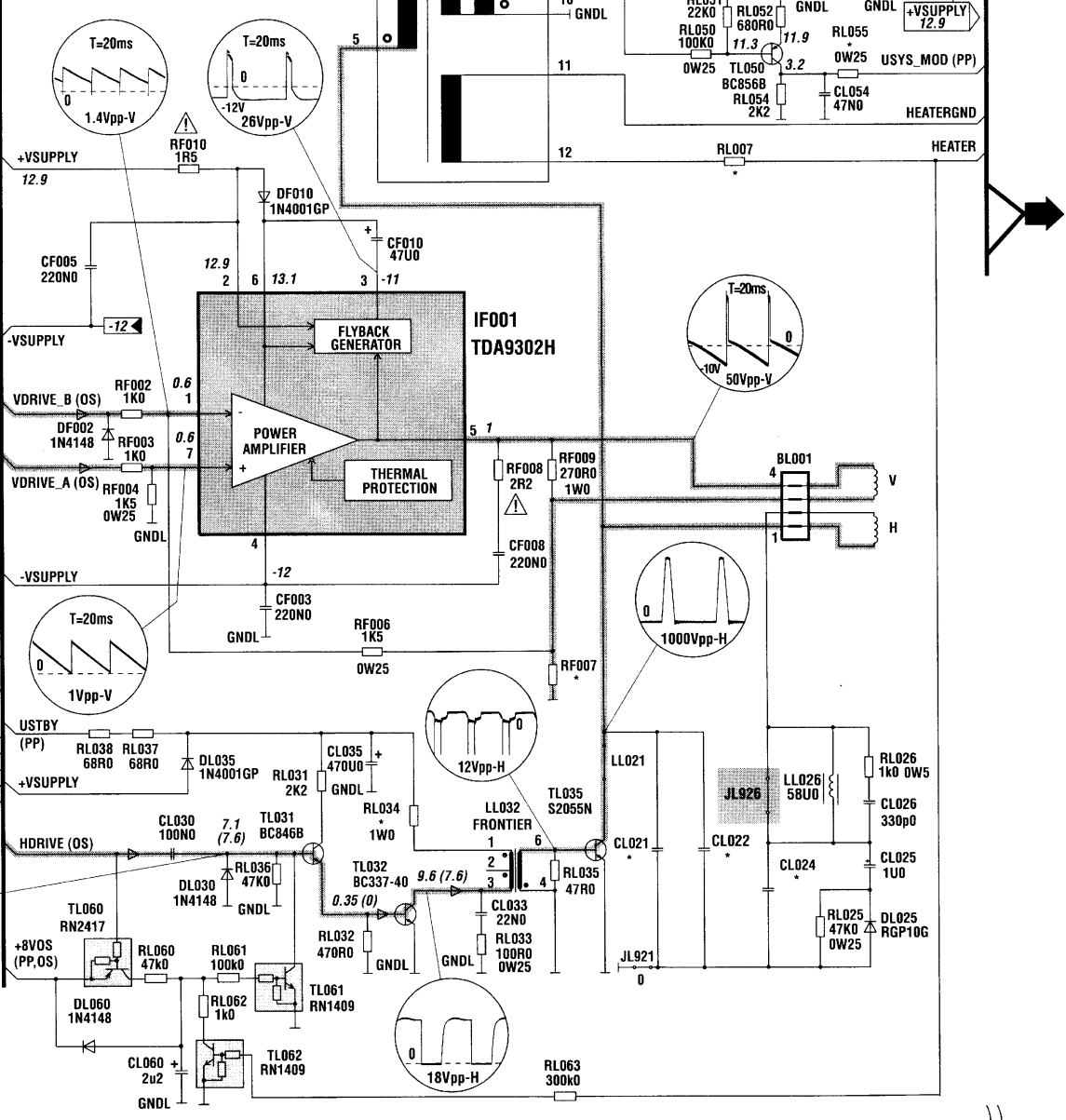
La sostituzione degli elementi di sicurezza (marcati con il segno ⚠) con componenti non omologati secondo la norma CEI 65 comporta la non conformità dell'apparecchio.  
 In tal caso è "esclusa la responsabilità" del costruttore.

La sustitución de elementos de seguridad (marcados con el símbolo ⚠) por componentes no homologados según la norma CEI 65, provoca la no conformidad del aparato.  
 En ese caso, el fabricante cesa de ser responsable.

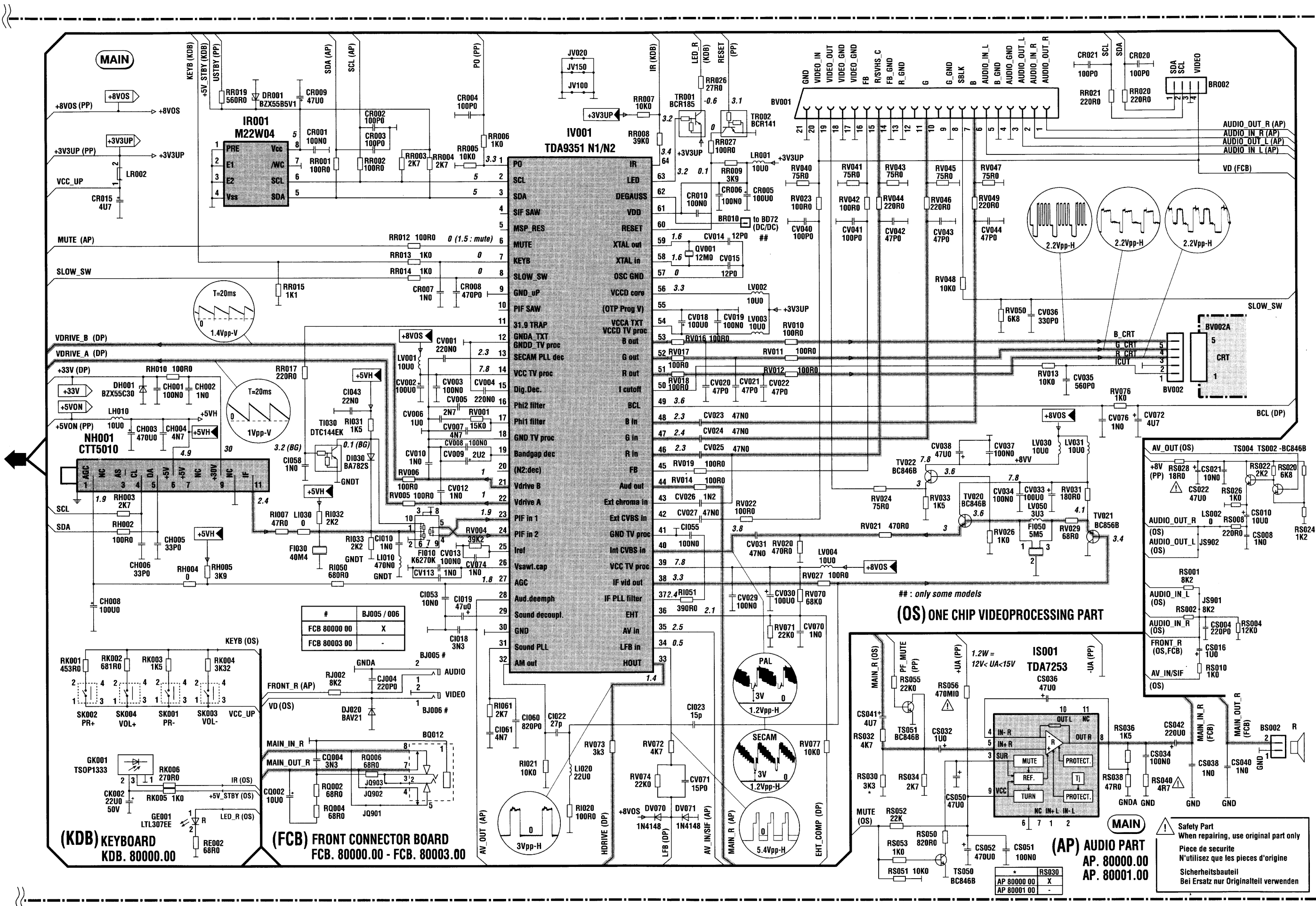
|                          | CL021 | CL022 | CL024 | LL005    | RF007 | RL002 | RL007 | RL034 | RL055 | JL991 | JL992 |
|--------------------------|-------|-------|-------|----------|-------|-------|-------|-------|-------|-------|-------|
| DP 80000 10" Mini Neck   | 6N6   | -     | 390N0 | 10658460 | 1R82  | 100K0 | 2R2   | 47R0  | 68K0  | -     | X     |
| DP 80010 14" Mini Neck   | 6N6   | X     | 440N0 | 10658340 | 1R82  | 100K0 | 2R2   | 39R0  | 68K0  | -     | X     |
| DP 80020 17" Mini Neck   | 6N6   | X     | 330N0 | 10658470 | 1R5   | 91K0  | 2R2   | 33R0  | 68K0  | X     | -     |
| DP 80030 20" Narrow Neck | 7N6   | -     | 440N0 | 10658470 | 1R5   | 82K0  | 1R0   | 33R0  | 82K0  | -     | X     |
| DP 80040 21" Narrow Neck | 8N3   | -     | 440N0 | 10654690 | 1R21  | 91K0  | 1R0   | 27R0  | 82K0  | -     | X     |

**(DP) DEFLECTION PART**  
 DP 80000.00 - DP 80010.00  
 DP 80020.00 - DP 80030.00  
 DP 80040.00

Specific DP 80000/80010/80020/80030



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



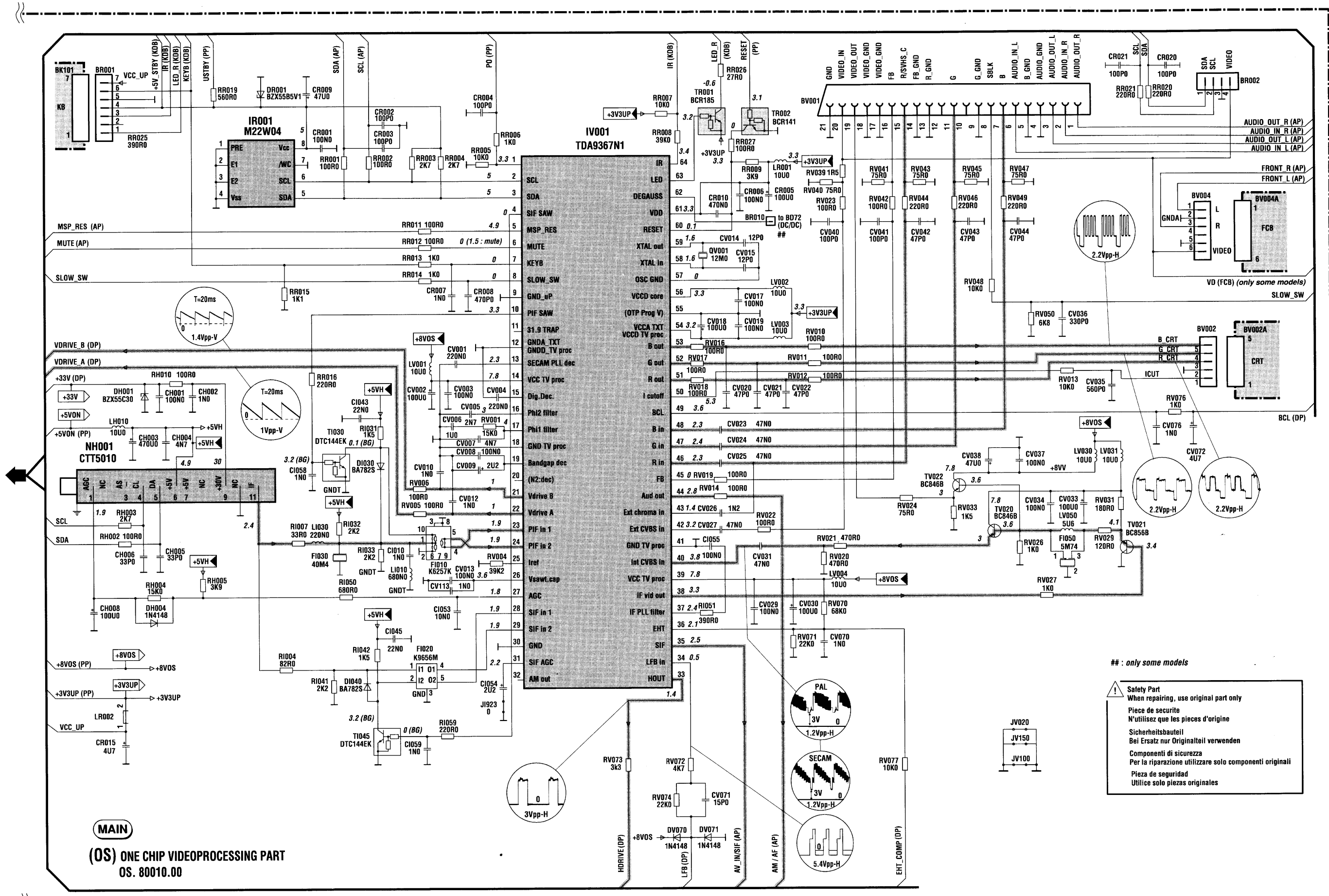
| #            | BJ005 / 006 |
|--------------|-------------|
| FCB 80000 00 | X           |
| FCB 80003 00 | -           |

## : only some models  
**(OS) ONE CHIP VIDEOPROCESSING PART**

**(AP) AUDIO PART**  
 AP. 80000.00  
 AP. 80001.00

**Safety Part**  
 When repairing, use original part only  
 Pièce de sécurité  
 N'utilisez que les pièces d'origine  
 Sicherheitsbauteil  
 Bei Ersatz nur Originalteil verwenden

## Main Diagram (TX807 CS Stereo)



**MAIN**  
**(OS) ONE CHIP VIDEOPROCESSING PART**  
**OS. 80010.00**

## : 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 Originalteile verwenden  
 Componenti di sicurezza  
 Per la riparazione utilizzare solo componenti originali  
 Pieza de seguridad  
 Utilice solo piezas originales

Audio Diagram (TX807 CS Stereo)

