

Adjustments

U G2 / CUTOFF	LL05	Peak white pattern highest output CRT IB01: 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																										
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FOCUS	LL05	Contrast = 100% Brightness = 0% Test pattern (standard values)	Sharp picture																																								
SYSTEM VOLTAGE	PP051	TV to AV : Black tes pattern AV	<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
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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

- 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 Δ / ∇ 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 Δ / ∇ 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 \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. Temporary exit from Service Mode

- 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.
- 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.

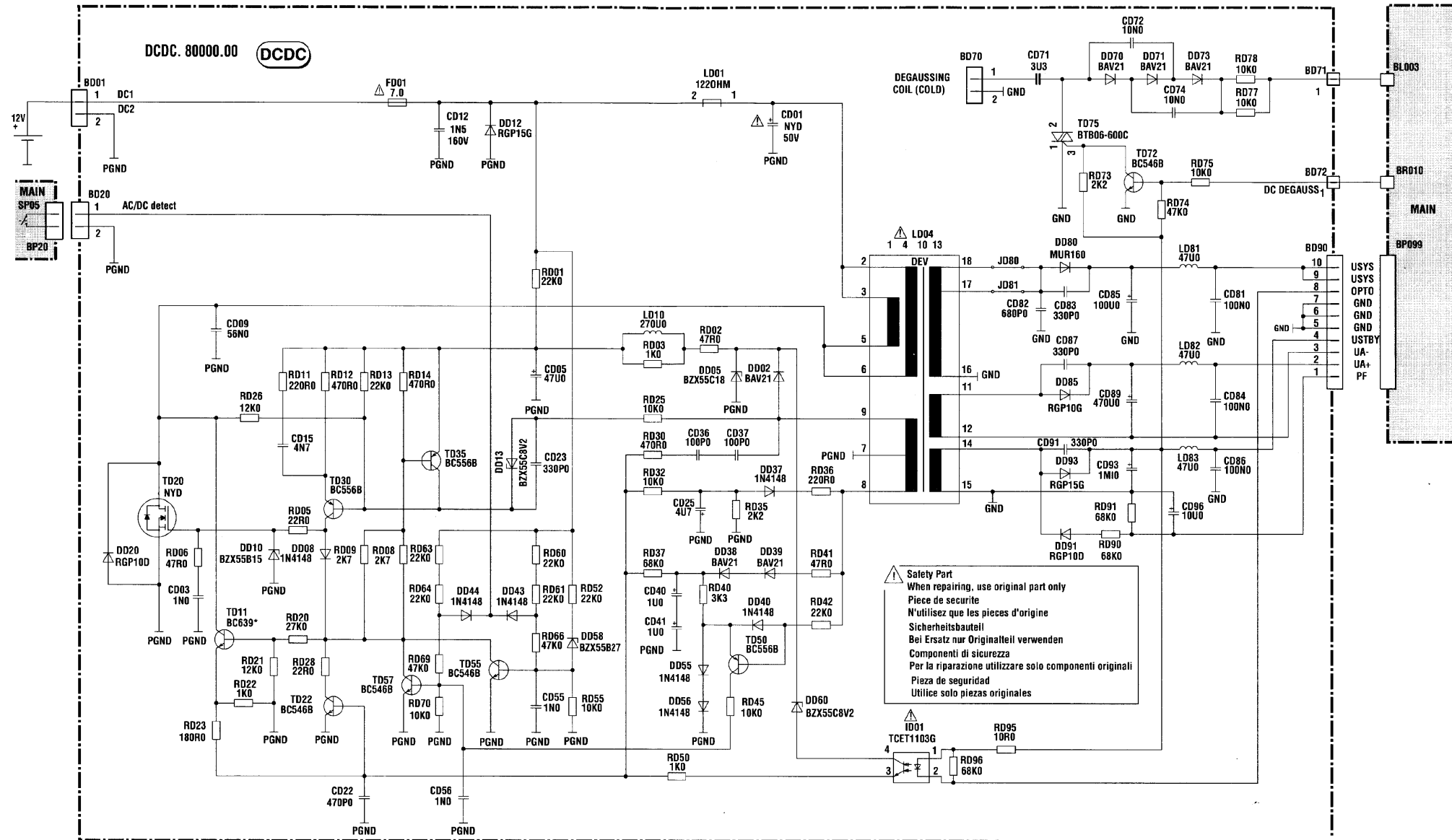
Alignments

SET-UP LINES	GEOMETRY LINES*	VIDEO LINES	IF LINES	VIDEO PROCESSOR LINES												
ID 00.07 INIT <> STANDARD 00 0-03 OSDCONTR 07 0-0F FR 00	HS 20 0-3F VS < 1A 0-3F > VA 20 0-3F SC 10 0-3F VSH 20 0-3F	CL < 00 0-0F > BLORS* 08 0-0F BLOGS* 08 0-0F WPRS* 20 0-3F WPGS* 20 0-3F PWS* 20 20 20 0-3F BKS* ON OFF-ON YD 08 0-0F	TOP < 20 0-0F >	CD0 84 0-FF CD1 00 0-0F SYN0 < 30 0-FF > SYN1 08 0-FF DEF 00 0-0F V10 40 0-FF V11 00 0-0F SOUND 00 0-FF CONT0 46 0-FF CONT1 00 0-0F FEAT0 00 0-01												
ID 00.07 Software code 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	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. - Appliquer 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 monoscopio 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 monoscopio - 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"	CL Cathode Level Factory setting. 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 Extensión del margen del Peak White. Cult-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 WPGS / WPGP White point Green SECAM/PAL WPBS / WPBP White point Blue SECAM/PAL PWS / PWP** Peak White SECAM/PAL BKS Black Stretch factory Setting YD Luminance Delay Use \leftarrow / \rightarrow to adapt the image	TOP AGC - Take Over - Minimum noise- Minimum de bruit - Minimum Rauschen - Rumore minimo - Minimo ruido 210.25 MHz 3mV antenna input chassis TX807 C / CS Tuner 11 IF BG CH 10 Monitor IF 38.9 MHz - Set TOP to 00 - Adjust TOP for maximum gain of IF signal. - Reduce IF level about 8dB. ROM Default Value : AGC : 20	CD0 CD1 SYN0 SYN1 DEF V10 V11 SOUND CONT0 CONT0 FEAT0 - Colour Decoder 0 = 84 - Colour Decoder 1 mono sets: CD1 = 00H stereo sets: CD1 = 00H Factory setting. - Synchronisation 0 = 30 - Synchronisation 1 = 1C Factory setting. - Deflection = 00 Factory setting. - Vision IF 0 = 40 - Vision IF 1 = 00 Factory setting. - Sound = 00 Factory setting. - Control 0 = 40 - Control 1 = 00 Factory setting. - Features 0 = 00 Factory setting.												
STANDARD RF Norm Group Selection <table border="1"> <tr><td>00</td><td>EU</td><td>BG / LL'</td></tr> <tr><td>01</td><td>FR</td><td>LL' / BG</td></tr> <tr><td>02</td><td>UK</td><td>PAL I only</td></tr> <tr><td>03</td><td>DK</td><td>DKK' PAL, SECAM</td></tr> </table> 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. menus. 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					00	EU	BG / LL'	01	FR	LL' / BG	02	UK	PAL I only	03	DK	DKK' PAL, SECAM
00	EU	BG / LL'														
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V-Slope Correct incorrect overscan : V=107% 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.																

DEFAULT VALUES

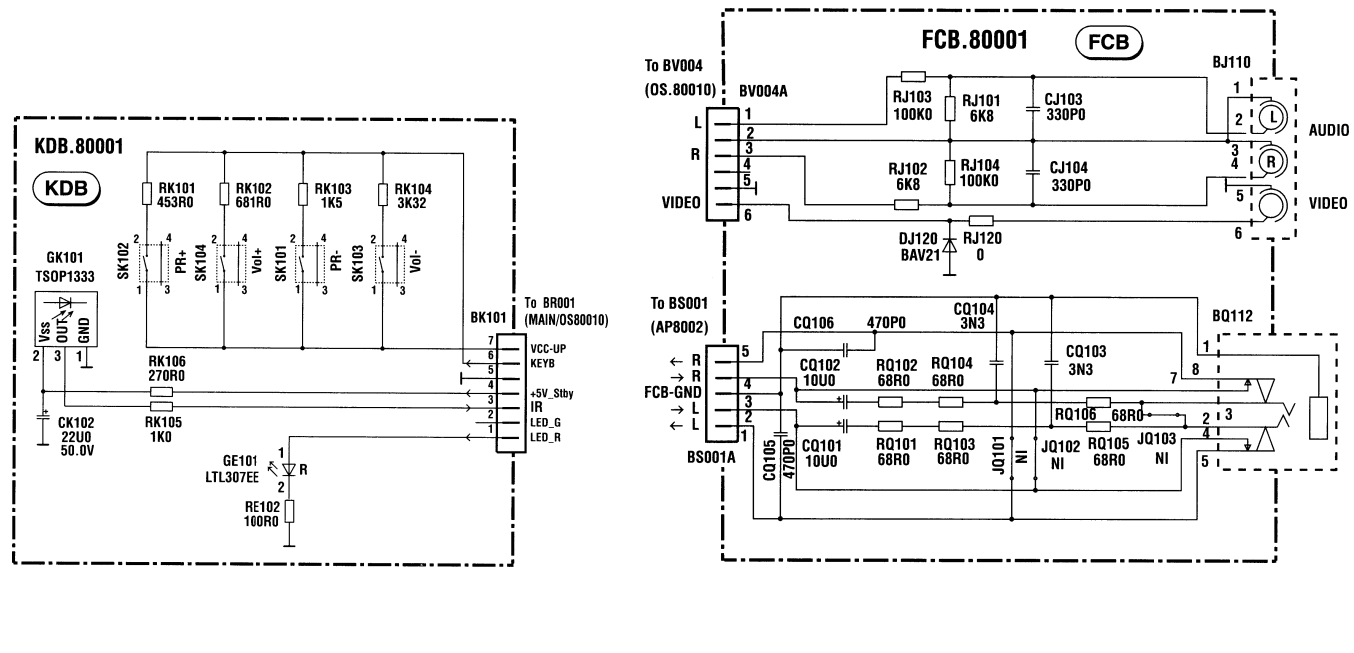
OSD	DESCRIPTION	DEFAULT VALUE (HEX)
ID	Software	
INIT	Initialise TV set	0 (EU)
STANDARD	RF Norm Group Selection	03
OSDCONTR	OSD Contrast	03
FR	France	00
HS	Horizontal shift	20
VS	Vertical Slope	1A
VA	Vertical Amplitude	20
SC	S-Correction	10
VSH	Vertical shift	20
CL	Cathode Level	00
BLORS	Black level 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
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

CC Converter Diagram

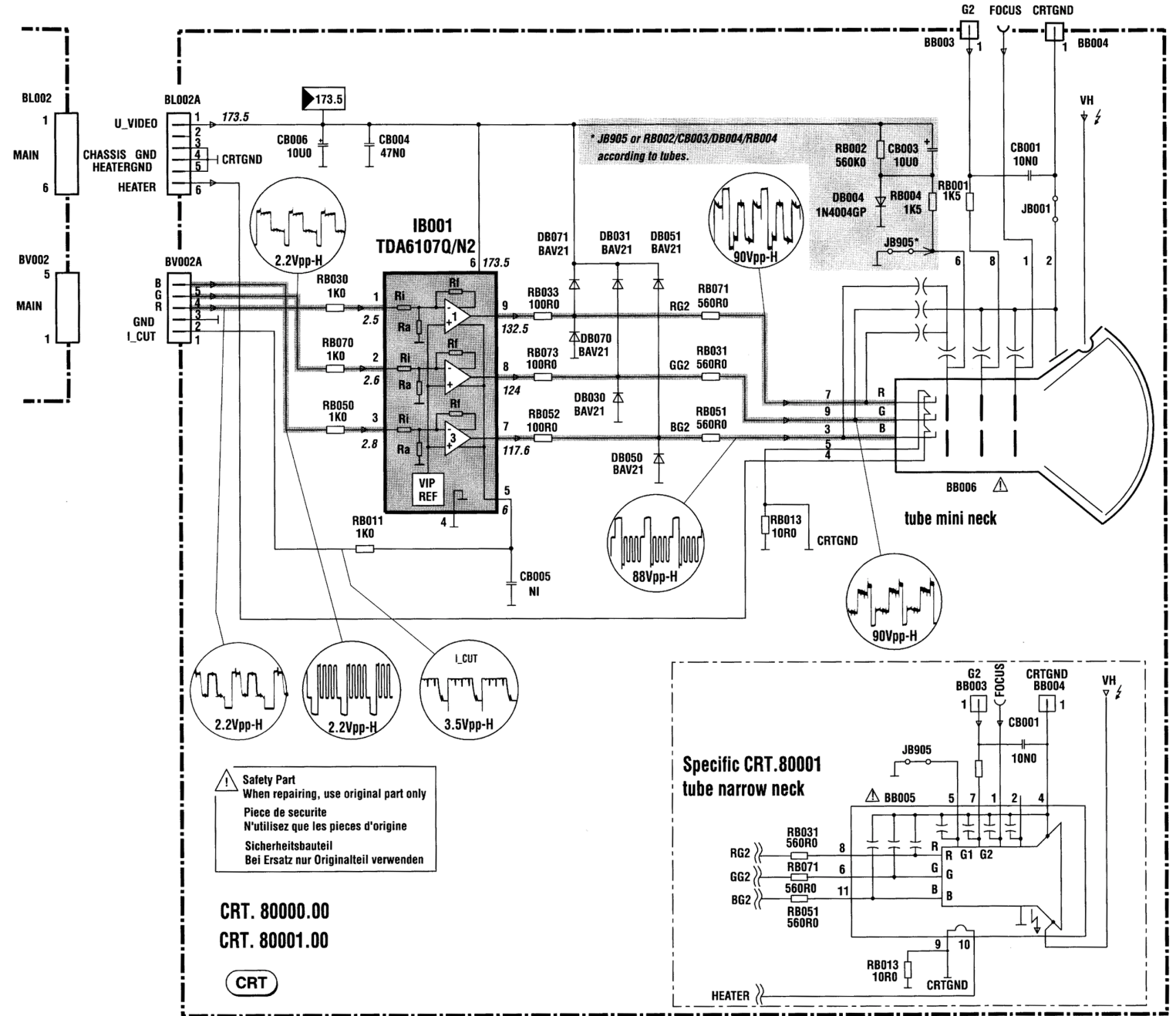


THOMSON TX807 C/CS

Front Connector Diagrams



CRT Diagram

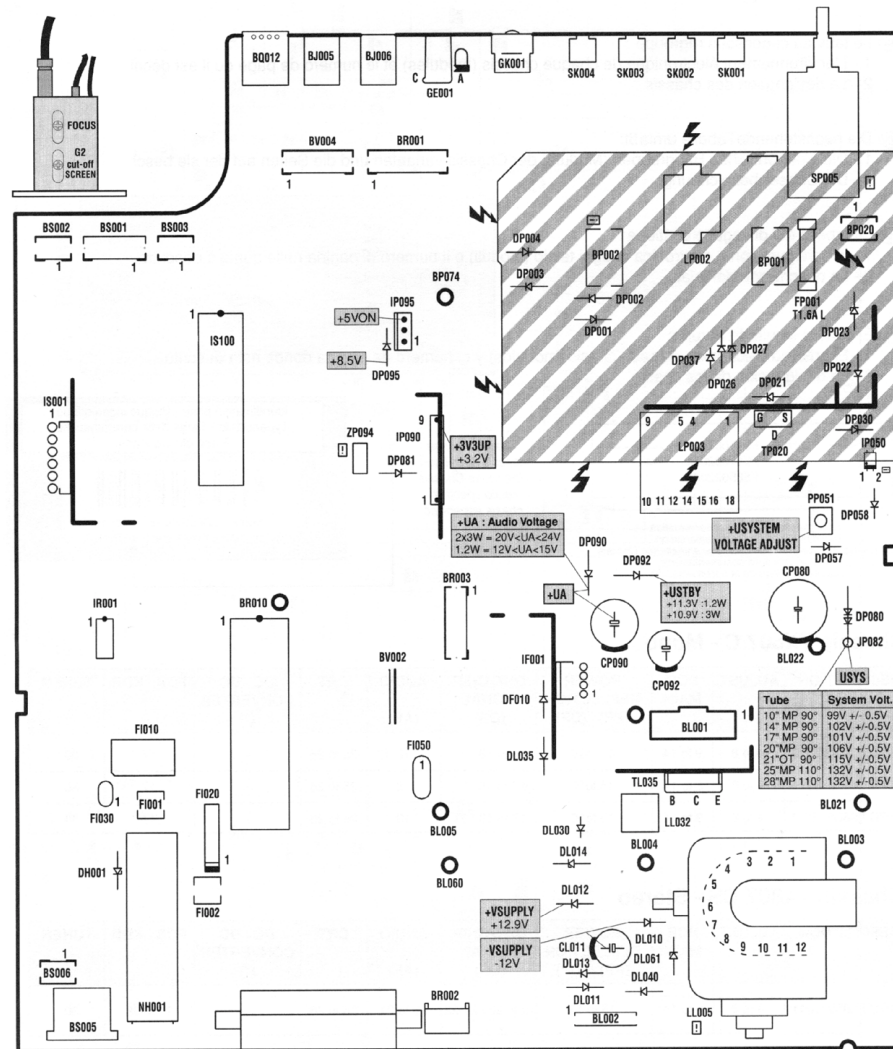


Safety Part
 When repairing, use original part only
 Piece de securite
 N'utilisez que les pieces d'origine
 Sicherheitsbauteil
 Bei Ersatz nur Originalteil verwenden

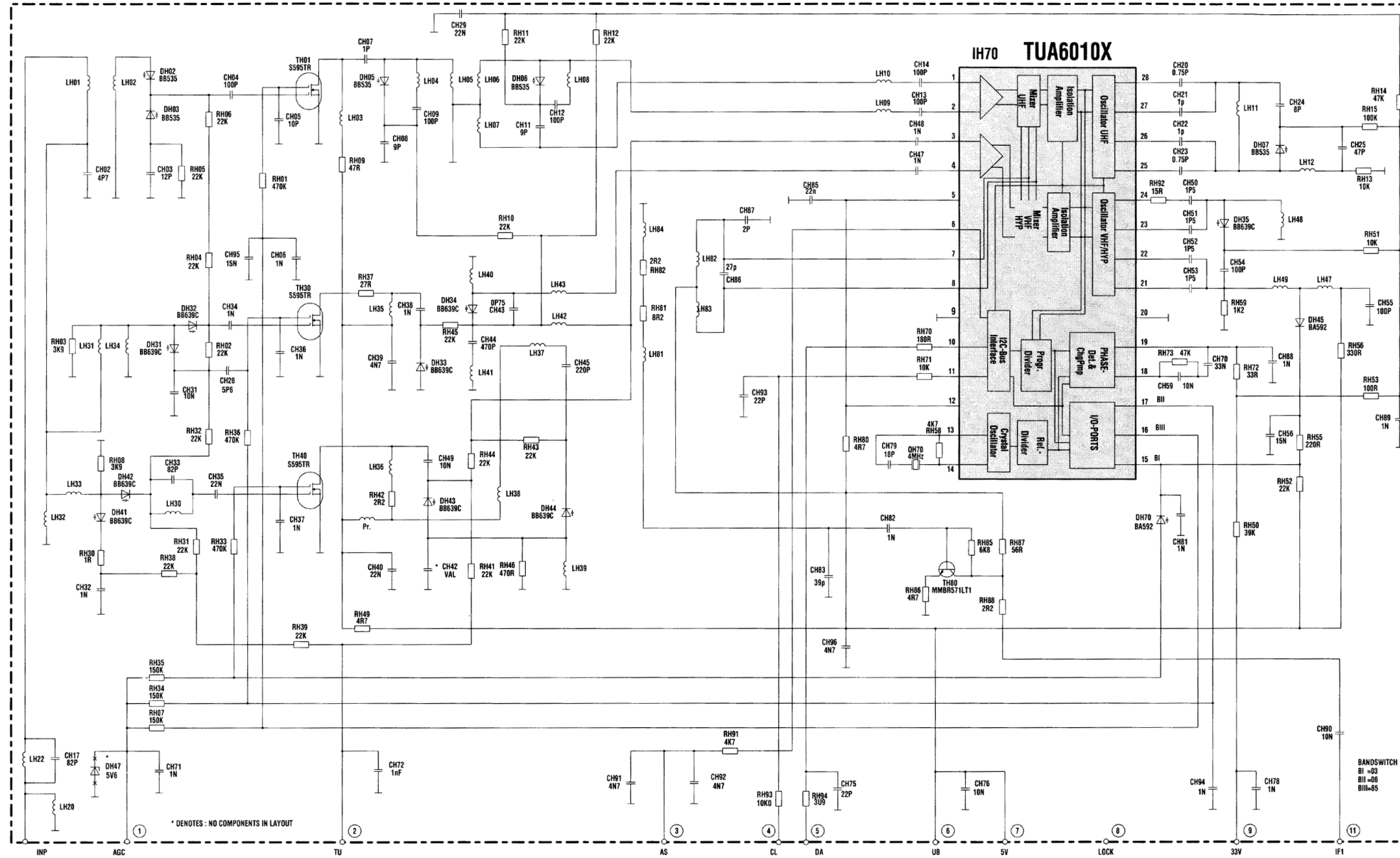
CRT. 80000.00
CRT. 80001.00

CRT

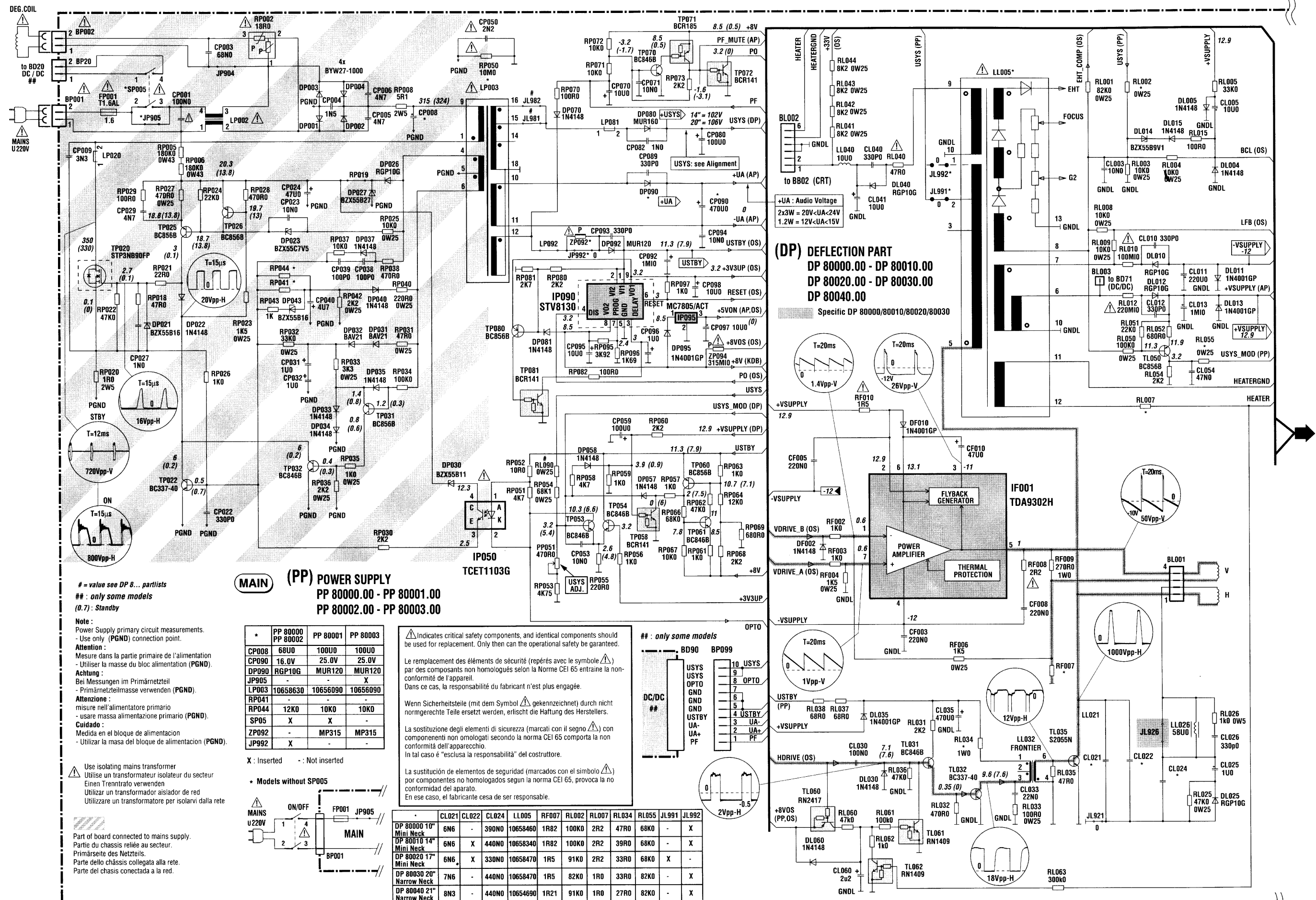
Locations Guide



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).

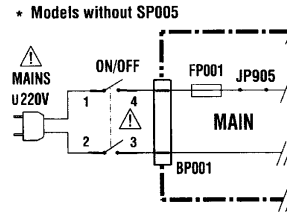
Use isolating mains transformer
 Utilisez un transformateur isolateur du secteur
 Einen Trenntrafo verwenden
 Utilizar un transformador aislador de red
 Utilizzare un trasformatore per isolarvi dalla rete

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 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

: only some models

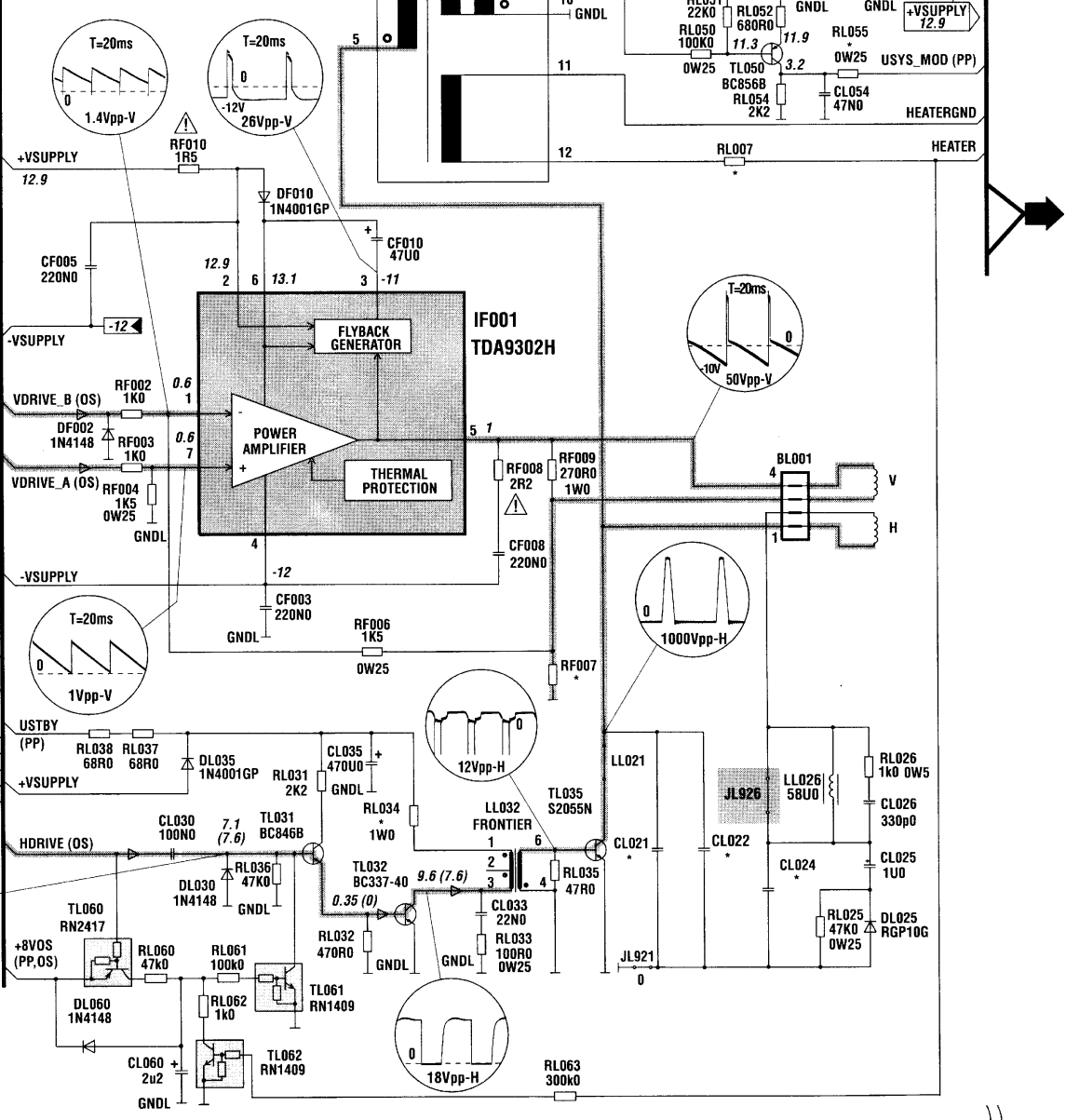
DC/DC

BD90 BP099

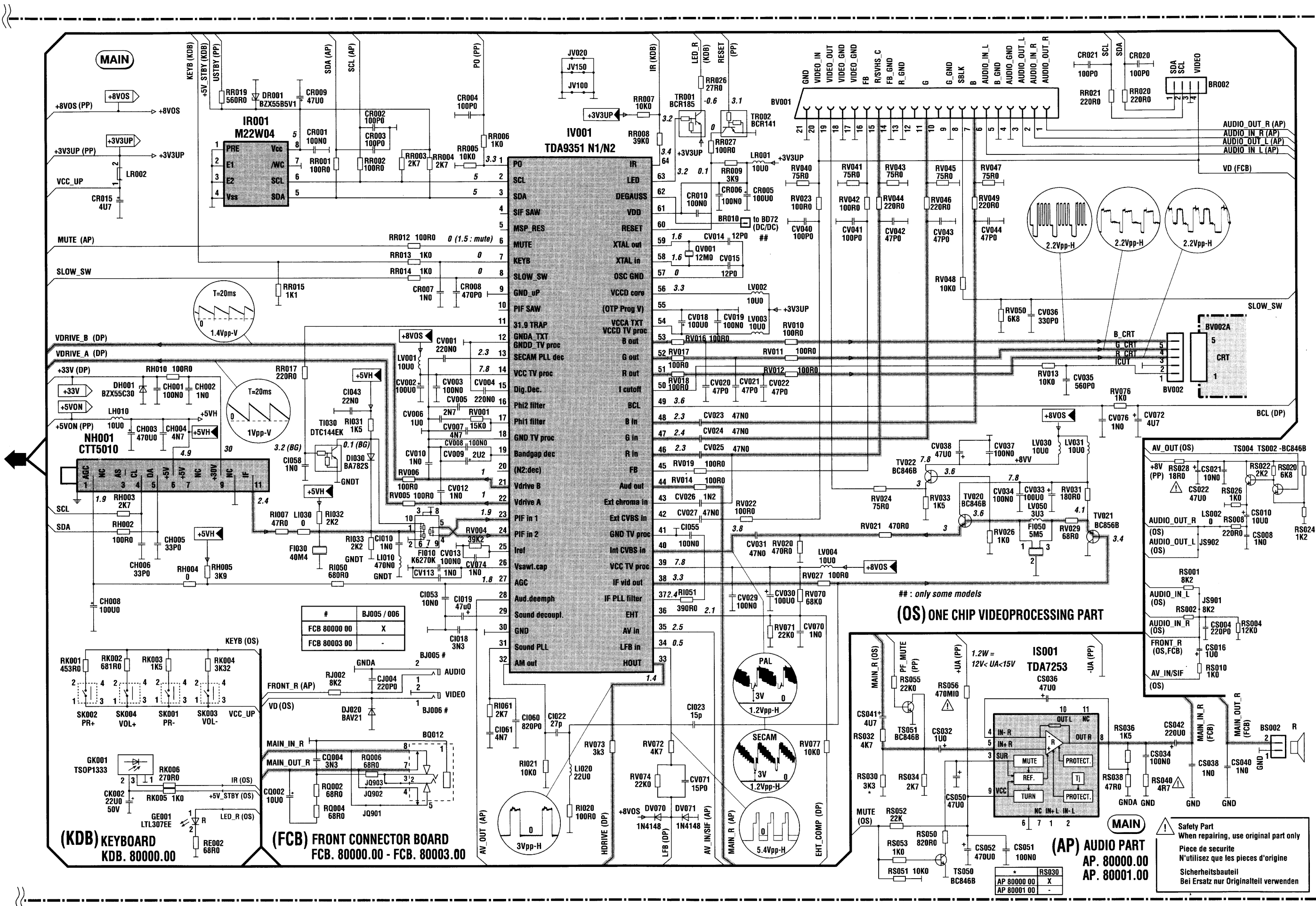
10 USYS
 9 USYS
 8 OPTO
 7 GND
 6 GND
 5 GND
 4 USTBY
 3 UA
 2 UA+
 1 PF

(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



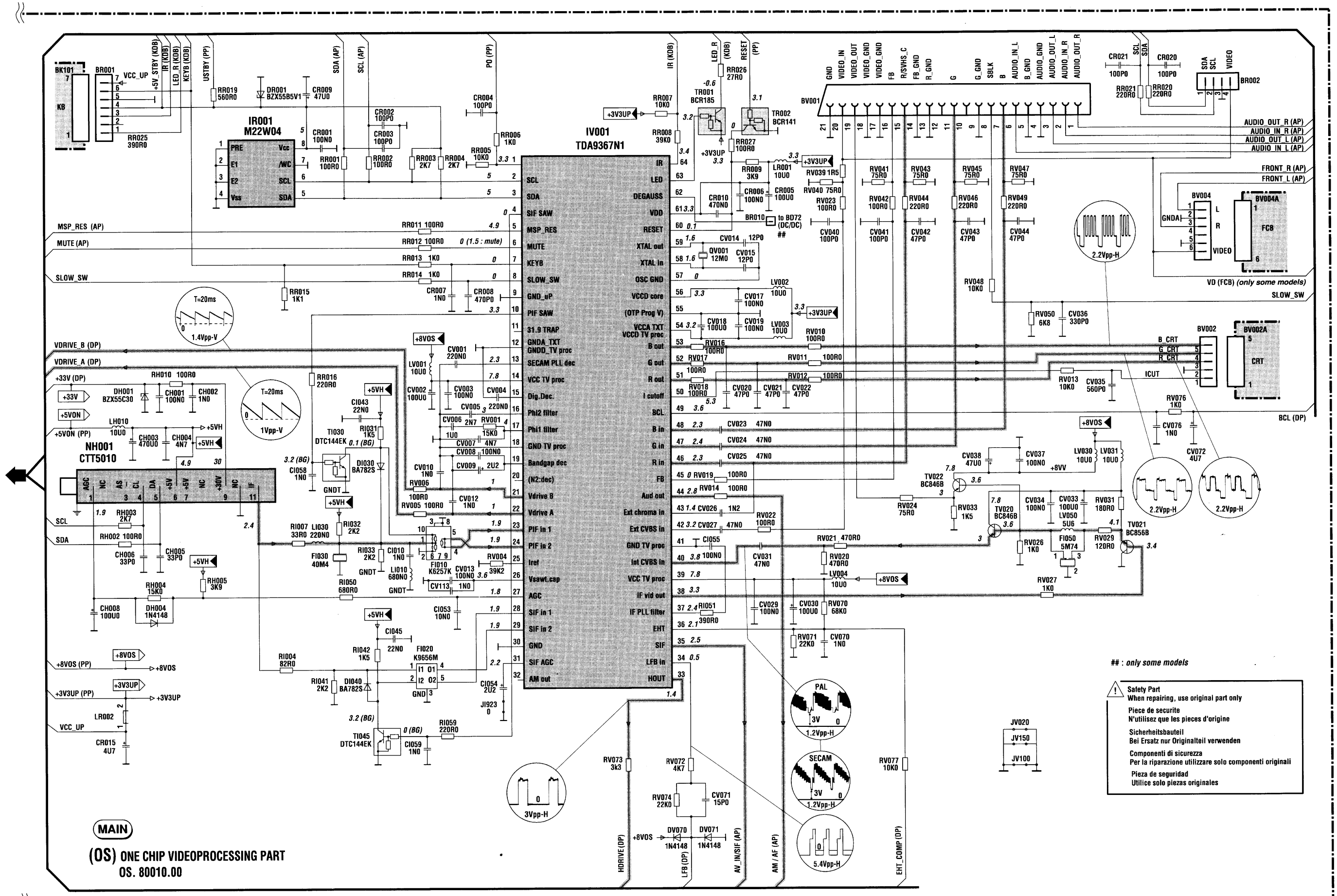
#	BJ005 / 006
FCB 80000 00	X
FCB 80003 00	-

: 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
 Piece de securite
 N'utilisez que les pieces d'origine
 Sicherheitsbauteil
 Bei Ersatz nur Originalteil verwenden

Main Diagram (TX807 CS Stereo)



Audio Diagram (TX807 CS Stereo)

