

television set 4/3 format

Chassis code TX807C
 50 Hz technology
 21 inches - 4/3 format
 Black Matrix processing
 METAL mask
 Mono sound
 6 W
 Built-in Teletext
 Standard : PAL / SECAM
 NTSC via SCART connector
 Norms : BGIDKK'
 NAVILIGHT system



- image
- sound
- special features
- connectors / general remarks



image

21 inches tube - 4/3 format
 Black Matrix processing for optimal contrast
 METAL mask
 Total tube size : 21 inches diagonal
 Picture size : 18 inches diagonal
 S-VHS
 Standard : PAL / SECAM / NTSC via Video
 Norms : BGIDKK'
 Fastext/Videotext : 1 page

sound

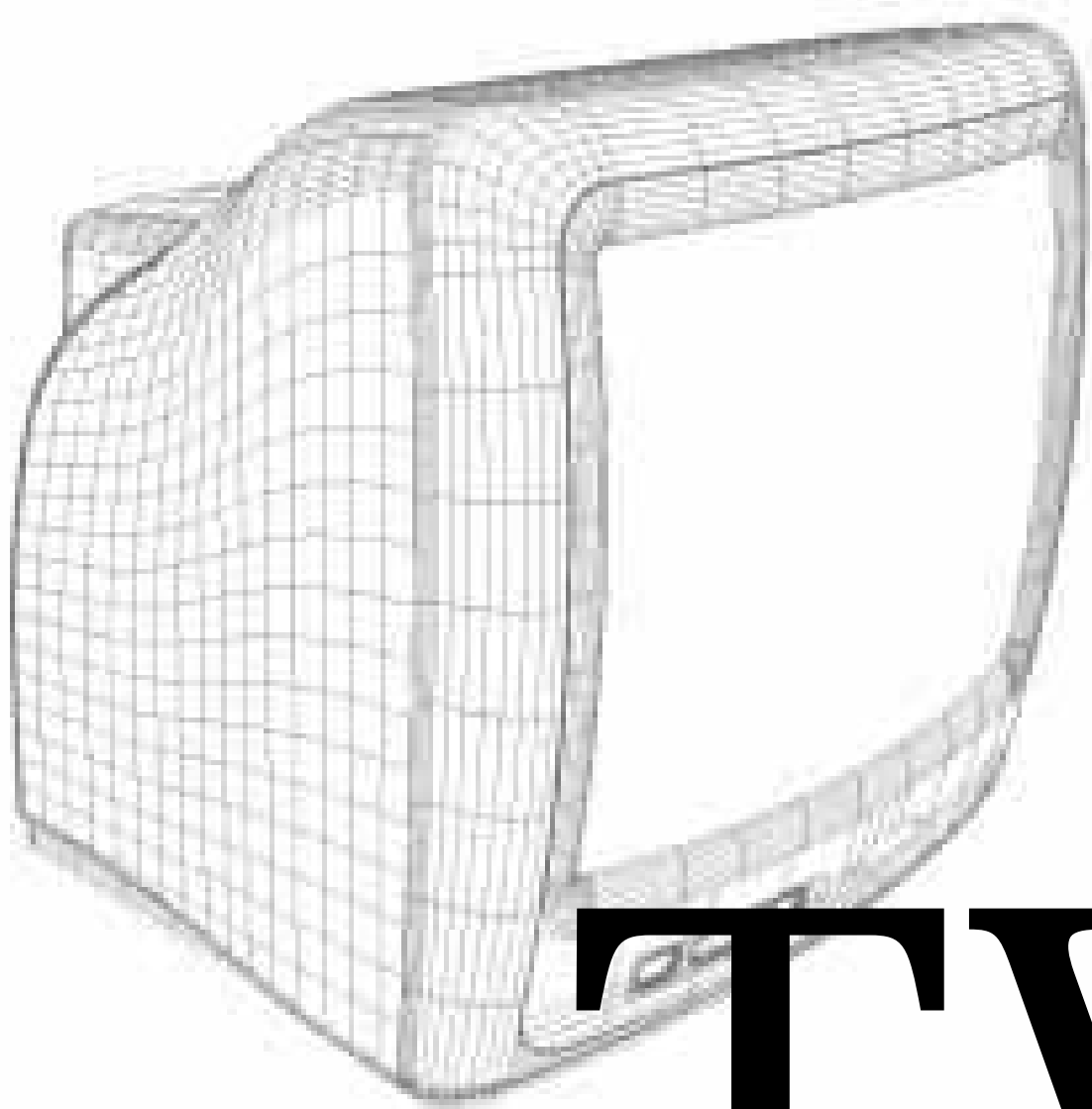
Mono sound
 Power : 6 W music
 1 speaker medium

special features

Automatically switches to standby mode
 when no signal is present after 5 minutes
 Child lock
 NAVILIGHT system
 Memorize up to 99 channels + 1 AV channel
 Frequency synthesis tuner
 Compatible with cable networks
 8 MHz hyperband
 RCT100 remote control

connectors / general remarks

1 antenna connector
 Front or side : Headphone jack (3,5 mm)
 cinches in : 1 Audio/1 Video
 Rear : 1 SCART connector
 Power supply : 190 - 264 V; 50/60 Hz
 Consumption : 50 W/h - in stand-by mode 4 W/h
 Weight : 22 kg
 Dimensions (W x H x D) : 526 x 467 x 475 mm

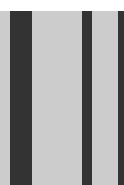


TV

Manuel d'utilisation
Bedienungsanleitung
Manuale di utilizzazione
Bruksanvisning

User manual
Εγχειρίδιο χρήσης
Manual de utilización

Manual de utilização
Gebruiksaanwijzing
Betjeningsvejledning



About this manual

This manual is common to several TV models. Therefore, the model you bought may not support some of the functions or settings described hereinafter.

About the On/Off switch

The position of the ON/OFF switch ① differs depending on the model. It may be located on the front or on the right-hand side of your set (see the drawing inside the cover page of your manual).

For your safety

To ensure your own safety and safe operation of the equipment, observe the following instructions thoroughly.

TV sets require sufficient ventilation to prevent their components from overheating, which will cause failure. Do not block the ventilation openings at the rear. If you place your TV set in a special piece of furniture, make sure there is enough space for unhindered air circulation. Do not place the TV set in the close vicinity of a heater. The TV set has been designed for use in dry rooms. Should you use it, in exceptional circumstances in the open air (example: on the balcony, in the veranda or tent), you must absolutely protect it against moisture (dew, rain, splash water). Before switching on a cold TV set in a warm room, you should wait until any condensation in the screen has dried by itself.

Maximum ambient temperature: 35°C

Maximum humidity: 85%

By the end of your TV evening or when away from home for a longer period, we recommend that you turn off the TV set with the On/Off-switch.

Even when the On/Off-switch is in the Off-position, your TV set is not fully disconnected from the mains. To disconnect the set completely, the mains plug must be pulled out. **The mains plug must be easily accessible.**

In the following cases, we recommend that you pull out the mains connector:

1. During a thunderstorm. In such a case, it is advisable that you also disconnect the TV set from the aerial socket.
2. When odour or smoke emanates from the set. **Never attempt to open your TV set yourself.** Further information:

The TV set shielding is sufficient to prevent X-radiation to the exterior.

Any operation performed by a non skilled person, change of high voltage or replacement of the picture tube by a model not complying with the manufacturer specification are likely to cause considerable increase in X-radiation. A TV set modified in such a way no longer complies with the manufacturers' specification and must not be used.

About cleaning

The screen is to be cleaned with liquid glass cleaners.

- Never use abrasive products.
- Clean the cabinet with a soft cloth soaked with neutral cleaner. Do not use solvents, such as white spirit or alcohol-based cleaning products since they may damage your television.
- At regular intervals, clean the ventilation grids at the rear of the TV set.

About degaussing

The terrestrial magnetic field may have an influence on your TV set. This influence is revealed by the coloured spots, which appear on the screen.

Should this be the case:

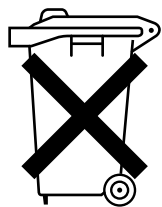
- Turn the equipment off by means of the On/Off-switch.
- Wait about one hour before switching the set on again.

This procedure performs automatic degaussing of the screen. Should there still be coloured spots on the screen, repeat the operation.

Set-up

To set up your TV set, follow the instructions on this page before you continue with the channel set-up procedure described on page 5.

1. Put the batteries in the remote control unit.



Please respect the environment and prevailing regulations. Before you dispose of batteries or accumulators, ask your dealer whether they are subject to special recycling and if he accepts to take them back.


2. Connect the TV to a mains socket.

*The mains plug carries the power supply to your TV set. It should only be connected to an AC supply at 220 - 240 V ~ 50 Hz. It must not be connected to a DC supply *. If the plug is detached from the cable, do not under any circumstances connect it to a mains socket as there is a danger of electrocution.*

UK SOCKET:

Equipment for the UK is supplied with a mains cable fitted with a moulded plug.

The plug contains safety components and must not be replaced by a type sold in shops. It is fitted with a fuse that protects your television. If your set no longer works, the fuse may have blown. If it has, replace it with an identical ASTA certified or BSI (BS 1362) 5 amp fuse.

3. Connect the outside aerial or cable network to the  socket at the back of the TV set.

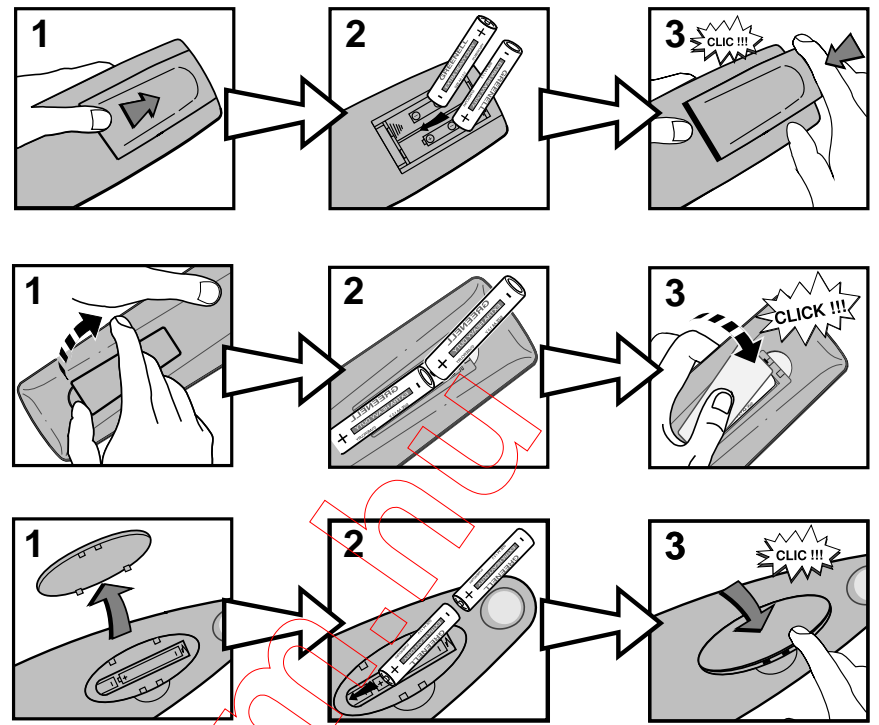
The aerial socket is for connecting an external antenna or equipment fitted with a modulator (VCR, satellite receiver, etc.). When connecting additional equipment to the aerial socket, you must assign a channel number to it. To do so, switch the external equipment on, then search for its modulator channel on the TV set, assign the channel number found to the equipment and store. From now on, every time you want to use the external equipment connected, you must select the channel number assigned to it. VCR's without an integrated modulator do not require this setting.

4. Continue on page 5, Channel set-up.

** For models operating on batteries, see page 9.*

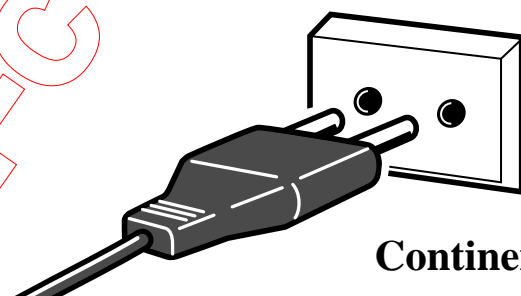
Batteries (LR 06-AA) insertion differs according to the type of your remote control.

1



220 - 240 V ~ 50 Hz

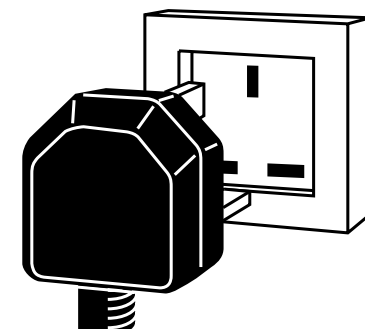
2



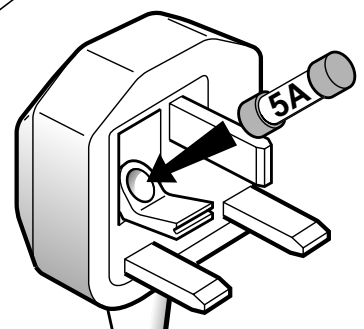
Continental Europe

United Kingdom

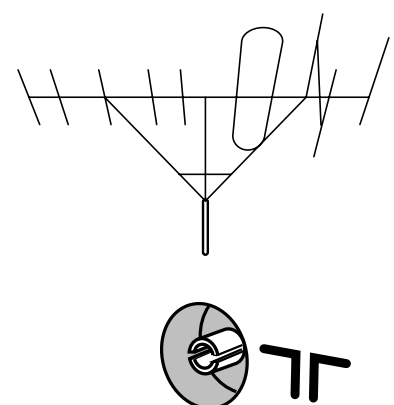
2



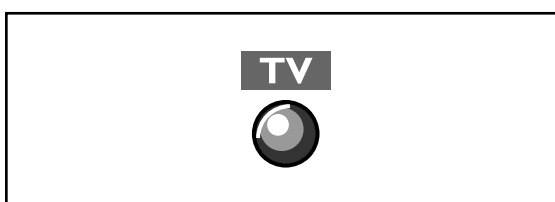
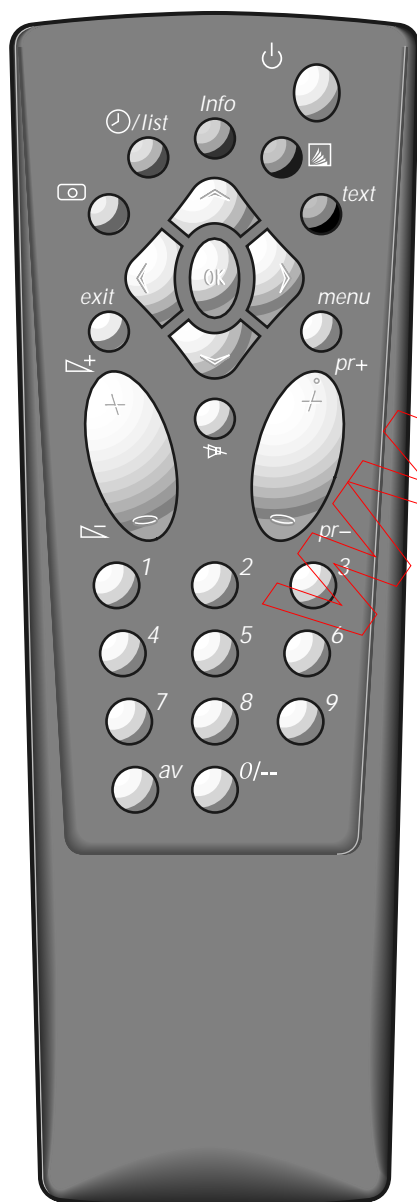
220 / 240 V ~ 50Hz



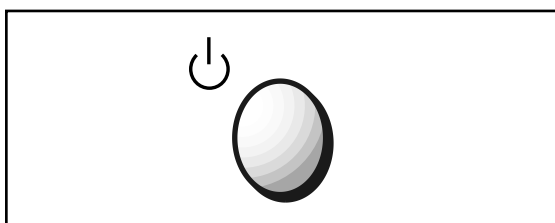
3



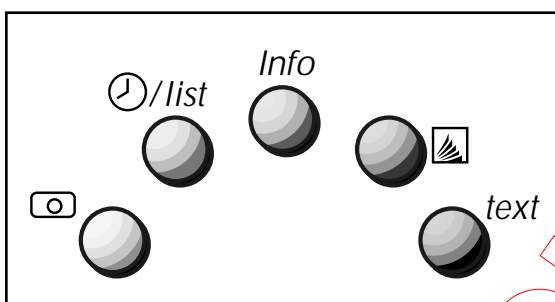
Remote Controls: Models 2100 and 100



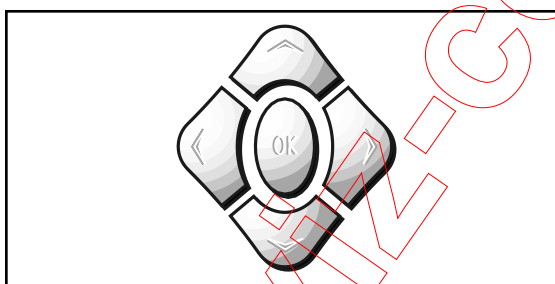
Press the TV key to operate your TV set (model 2100 only).



Switching the TV set on standby.



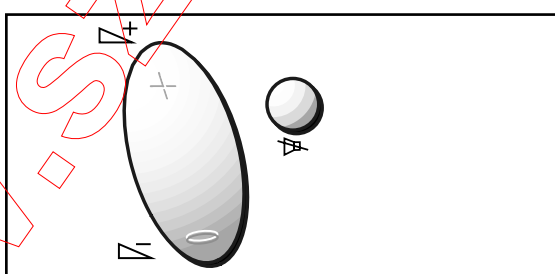
- Personal Adjustments ().
- Timer ().
- Display of channel, stand-by time (*Info*).
- Selection of the sound type (Sound 1, Sound 2, Sound 3) in Dual, Nicam and AV ().
- Videotext keys (*ext*).



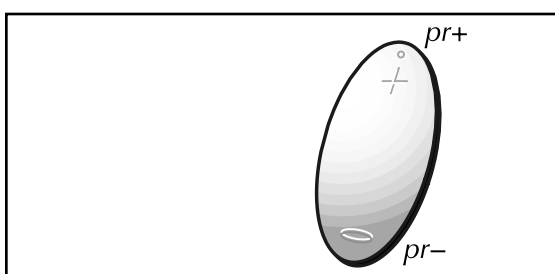
Directional keys Up/Down, Left/Right for selection and validation key (**OK**).



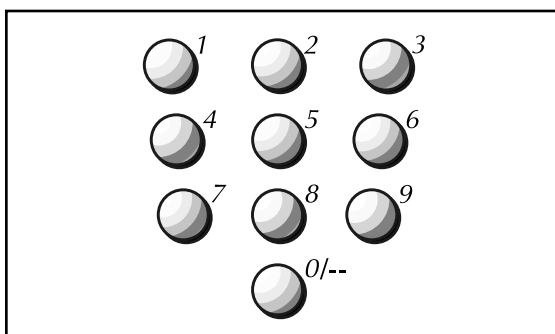
exit for erasing the menu windows or information from the screen.
menu is for calling up the menu windows.



Volume control.
Mute : .



Programme change.



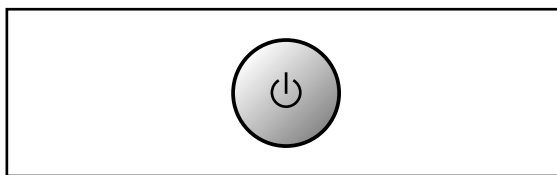
For channel selection and number input in the menus.

For 2-digit channels (10,11,12, etc.), first press on key 0 of the remote control (for ex. for 12, press 012).

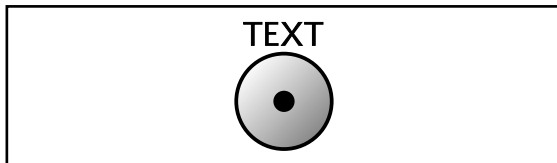


To select one of the appliances connected via the AV sockets.

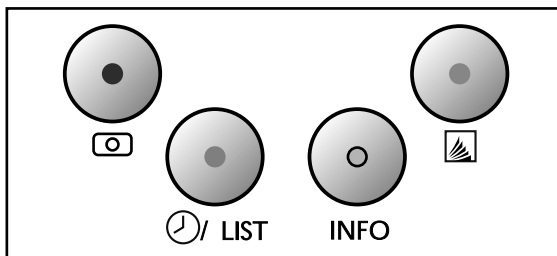
Remote Controls: Models 311 - 312 - 313 - 314



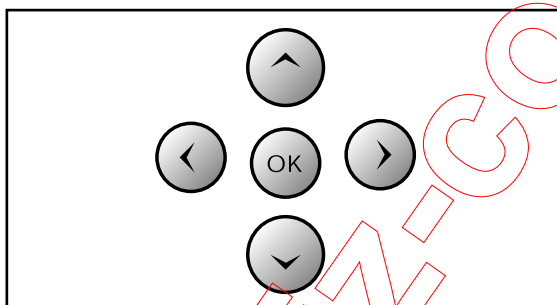
Switching the TV set on standby.



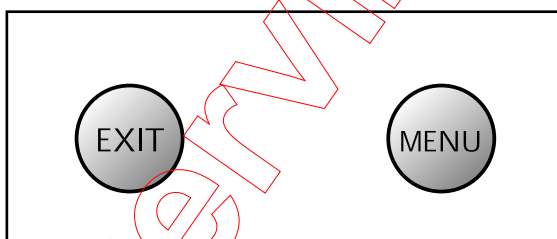
- Videotext keys.



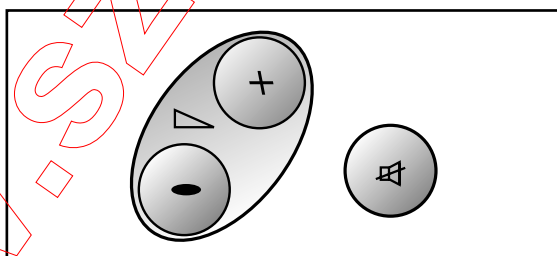
- Personal Adjustments ().
- Timer (/ LIST).
- Display of channel, stand-by time (INFO).
- Selection of the sound type (Sound 1, Sound 2, Sound 3) in Dual, Nicam and AV().



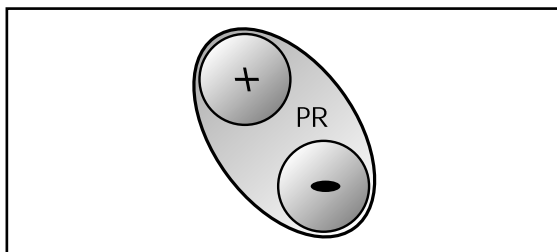
Directional keys Up/Down, Left/Right for selection and validation key (**OK**).



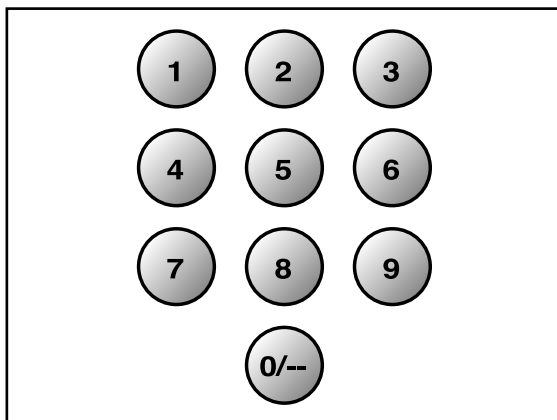
EXIT for erasing the menu windows or information from the screen.
MENU is for calling up the menu windows.



Volume control.
Mute : .

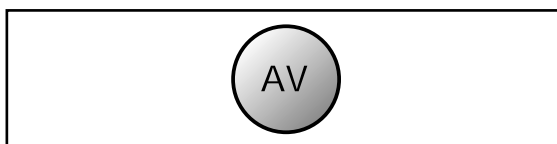


Programme change.



For channel selection and number input in the menus.

For 2-digit channels (10,11,12, etc.), first press on key 0 of the remote control (for ex. for 12 , press 012).




To select one of the appliances connected via the AV sockets.

About the TV set

Prior to enjoying your TV set, you'll have to set it up, i.e. to find and store the channels, which may be received in your area. The Automatic Channel Set-up will look for all the channels and number them. Since the channel numbers assigned to the programmes by the Automatic Channel Set-up do not necessarily correspond to the actual number of the channels (example: Channel 4), you may change them upon completion of Automatic Channel Set-up.

How to switch on the set?

With the On/Off-button fitted on the set. When the red LED is lit, the TV set has previously been switched on standby with the key  on the remote control. To switch the TV set on again, type in a channel number.

Automatic Channel Set-up

With the Automatic Channel Set-up

- When a VCR or satellite receiver is connected to the aerial socket, you must switch on this equipment. Should external equipment be connected to the TV set via the SCART socket, it must be turned off. The first time you switch your TV set on, the automatic installation (**AUTO INSTALL.**) will automatically appear. If it does not, you will find this menu by pressing a number of times on the remote control **menu** key:
 - 3 times for the mono TV sets
 - 4 times for the stereo TV sets.

The first line (**Standard**) is selected.

- Depending on the model of your TV set, you'll have to select from the options listed below the one that fits with your country:
EURO : Western Europe, Tunisia, Morocco
FR : France, Luxembourg
UK : United Kingdom, Eire
DK : Eastern Europe, Middle East, Africa, French DOM-TOM

Select corresponding option by means of the directional keys **Left/Right**.

- Select the **Install.** line with the directional **Up/Down** keys.

This line allows you to select a set-up to be

carried out either through channels (**CH/CC**) or through frequencies (**MHz**).

- Select the type of wished-for set-up through the directional **Left/Right** keys.

The set-up carried out through Frequency allows you to find all the channels (even the non-standard ones). Therefore, it is the recommended one if you are connected to a cable network.

- Start the Automatic Channel Set-up by pressing the **OK** key.

Wait a few minutes until the Channel Organisation menu (**ORG.**) appears.

Channels Organisation

How to change the channel number?

To identify each channel, make use of your TV magazine to find out the actual name of the current programme/channel.

1. Use the key **pr+** and **pr-** to select the channel number you wish to change.

2. Press the new channel number (compulsorily 2 digits, for ex.: for Channel 2, enter 0, then 2) on the remote control. You can also use the directional **Left/Right** keys.

3. Validate with key **OK**.

The corresponding programme is now stored under the new channel number.

How to delete a channel number?

Delete any programme the picture quality of which appears to be poor.

1. Select the channel with the key **pr+** and **pr-**.

2. Press 00 on the remote control.

3. Then validate with **OK**: The channel number is now deleted.

Prior to leaving the menu, you should check whether the programmes are stored in the order you prefer.

Once your channels are duly sorted, close the menu through **exit**.

You may recall this menu by pressing the **menu** key:

- 4 times for the mono TV sets
- 5 times for the stereo TV sets.

Manual Channel Set-up

With the manual set-up

1. Display the menu by pressing a number of times on the remote control **menu** key:
 - twice for the mono TV sets.
 - 3 times for the stereo TV sets.

The first line (**Standard**) is selected.

Depending on the model of your TV set, you'll have to select from the options listed below the one that fits with your country:

EURO : Western Europe, Tunisia, Morocco
FR : France, Luxembourg
UK : United Kingdom, Eire
DK : Eastern Europe, Middle East, Africa,
French DOM-TOM

Select corresponding option by means of the directional keys **Left/Right**.

2. Select the **Mode** line through the **Up/Down** directional keys.

3. By means of the **Left/Right** directional keys, select **ANTENNA** (reception through an aerial antenna) or **CABLE** (reception through a cable network) for a Channel set-up, or **MHz** for a Frequency set-up.

4. Select the **CH** or **CC** line through the **Up/Down** directional keys.

5. Start the set-up in a decreasing or increasing order by means of the **Left/Right** directional keys.

When a channel is found, the pictures appear. *If the picture quality is poor, make use of the directional keys **Up/Down** to select the line -> <- and try to improve picture quality with the directional keys **Left/Right**.*

6. Select the **Decod.** line through the **Up/Down** directional keys.

7. By means of the **Left/Right** directional keys, select **ON** (if the channel is scrambled and a decoder connected to the AV connection) or **OFF** if such is not the case.

8. Then select the **Pr** line through the **Up/Down** directional keys and enter the channel number corresponding to the pictures. You may also use the **Left/Right** keys.

9. Select the **Text** line through the **Up/Down** keys and choose the character set table to be

used for videotext:

- 1: Western Europe
- 2: Eastern Europe
- 3: Greek, Turkish
- 4: Arab

10. Store the programme by pressing **OK**. To find the next programme, re-start Channel Set-up by means of the directional keys **Left/Right**.

Once the set-up achieved, close the menu through **exit**.

Adjusting the Picture

Press the **menu** key once to display the menu. Through the **Up/Down** keys, select the function you want to adjust (Brightness, Colour, Contrast, Sharpness, Tint). Adjust with the **Left/Right** keys.

The tint adjustment is only possible for a NTSC picture.

*If you want to preserve these adjustments as preferred settings, press the **red** key during 3 seconds to store them.*

*You'll then be able to recall them later on. Close the menu through **exit**.*

Settings are stored until you proceed to another change.

Adjusting the Sound

(only on stereo models)

Press the **menu** key twice to display the menu. Through the **Up/Down** keys, select the function you want to adjust (Treble, Bass, Balance, Mode).

With the **Left/Right** keys, adjust the Treble or Bass level, the balance between left and right paths and the type of sound you want (Mono or Auto).

If **Auto** has been selected, the TV set will automatically adjust to the sound transmitted by the channel.

*If you want to preserve these adjustments as preferred settings, press the **red** key during 3 seconds to store them.*


You'll then be able to recall them later on.

Close the menu through **exit**.

Settings are stored until you proceed to another change.

Daily use

How to switch on the set?

With the On/Off-button fitted on the set. When the red LED is lit, the TV set has previously been switched on standby with the key  on the remote control.

If the red LED flashes, it means that the control keyboard of the TV is locked and can only be made operational again through the remote control.

In both cases, enter a channel number.

How to select a channel?


a) Through the digital keys of the remote control.

For the 2-digit channels (10, 11, 12, etc.) press on key 0 of the remote control.



"--" appears on the screen. Through the digital keys, enter the tens unit digit, then the unit one.

b) With key **pr+** or **pr-**.


How to select the Sound channel?

This function may only be accessed if you selected **Auto** on the  line of the **Sound** menu (see p. 6). Press the **blue** key to successively select S1, S2 or S3 during NICAM, Stereo or Dual telecasts, or when using a device connected to one of the AV connections.

How to adjust the volume?

With the () or () key.

How to mute the sound?

With the () key.

Press once more on the key to reactivate the sound.


How to display the channel number?

With the **info** key, display or remove the channel number and, if you want it, the time left before timer-programmed switch-off.

How to recall the preferred settings?

Press on the **red** key to recall the **sound** and **picture** settings you previously stored (see page 6).


How to programme a switch-off?

Press on the **Green**  key, then using the **Left/Right** keys, adjust on the screen the wished-for duration before the switching-off of the TV set (by intervals of 10 minutes up to 4 hours).

To exit the menu, press **exit**.


When the programmed remaining time is over, the TV set will switch on standby.

30 seconds before automatic cut-off, a message appears on the screen.

*To cancel, first press the **Green** key  and then, by means of the directional key **Left**, reset the time remaining on --:--.*

The programmed switching-off is also deactivated when the TV set is turned off through its own On/Off switch.

How to prevent kids using the TV set?

Hold key  on the remote control down for over 4 seconds until the red LED on the TV set flashes.

The keys of the TV set are now locked and switching it on again will be possible by means of the remote control only.


Keep the remote control out of the reach of children.

To unlock the keys of the TV set, make use of the number keys on the remote control.

The keys of the TV set will also remain locked after timer-programmed switching-off.

The lock function will also be activated when the TV set is switched on standby or switched off with its On/Off switch before the time remaining until programmed switching-off is over.

How to switch off the set?

To switch the TV set off, press the key  on the remote control or use the On/Off switch on the TV set.

The TV set automatically switches to stand-by after a few minutes without telecast on the selected channel.

The Videotext

How to use Videotext?

(If included)

Press the key **text** to display the Summary (page 100).

Calling up a page

Enter the 3 digits of the number (e.g. 150, 170) of the page you want to read. After a few moments, the page will be displayed.

To visualise the next or previous page, press the directional keys **Left/Right**, **pr+/pr-**.

To access the following functions (Page Scrolling, Games, Zoom and Display), the **menu** key must first be pressed to display the corresponding strip on the bottom of the videotext page.

Page Scrolling

You may stop the page scrolling with the **red** key. This has the effect that STOP is displayed instead of the page number.

When pressing the red key again, page scrolling will start again.

Prize competitions

By means of the **green** key, you can either display or hide the solutions.

Zoom

With the **yellow** key, you can subsequently enlarge the upper and the lower half of the screen page and then switch back to full screen page display.

Videotext display

The **blue** key enables you to superpose a videotext page on the standard TV picture and to switch back to the standard TV picture.

Fastext

When videotext pages are broadcast as per the Fastext standard, you can use the corresponding colour keys to select one out of the 4 headings displayed in the footer. Selection of a given heading may have the effect to display further headings.

Certain programmes use videotext to broadcast subtitles, as well as constantly updated news. These pages can be found in the videotext summary. Once you have found the page, the subtitle and/or news will be superposed on the TV picture.

Choice of the character set table

If some characters of the videotext page are erroneous, try to change the character set table. To do so, press on the **text** key during 3 seconds at least, then release it to switch from the Western Europe character set table to the Eastern Europe one and vice-versa. Leave the videotext through **exit**.

Access control

You may want to programme an access code to the TV set.

To active the lock:

- Press a number of times on the **menu** key to display the window:

- 5 times for mono TV sets.
- 6 times for stereo TV sets.

- Using the digital keys of the remote control, type the 4 digits of your code.

As you enter each digit, the points (••••) are replaced by Xs (XXXX).

- Confirm the code by entering it once more on the second line.

If you make a mistake while confirming the code, you'll have to enter the 4 digits once more and confirm them again.

If the confirmation is correct, the code is stored and the window disappears.

Later on, when you'll turn on the TV set through its main switch, this code will be required and there will be neither picture nor sound until it is entered.

If you make a mistake when typing the code, the XXXX become red. You must turn off the TV set through its main switch and turn it on again to be able to enter the code one more time.

To change the access code:

- Press a number of times on the **menu** key to display the window:

- 5 times for mono TV sets .
- 6 times for stereo TV sets.

- Through the digital keys of the remote control, type the 4 digits of the present code.

The Xs (XXXX) are successively replaced by points as each digit is keyed-in.

If you make a mistake when typing the code, the Xs come up again and you must retype the 4 digits.

Once the present code entered, you can enter a new one and confirm it.

If you type 0000 as the new code and confirm it, you deactivate the lock.

Connections

The scart cable (1)

The scart cable allows you to connect a VCR or camcorder (VHS, 8 mm, S-VHS or Hi-8), a Canal + decoder, a video game machine or devices supplying a RGB signal.

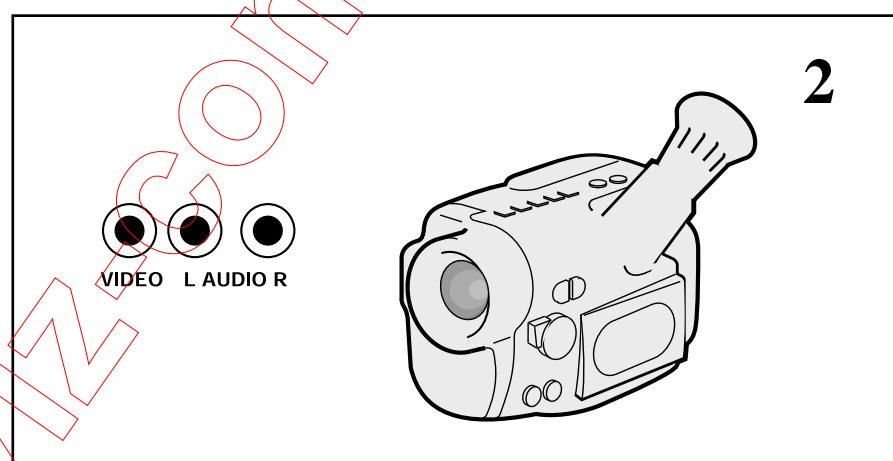
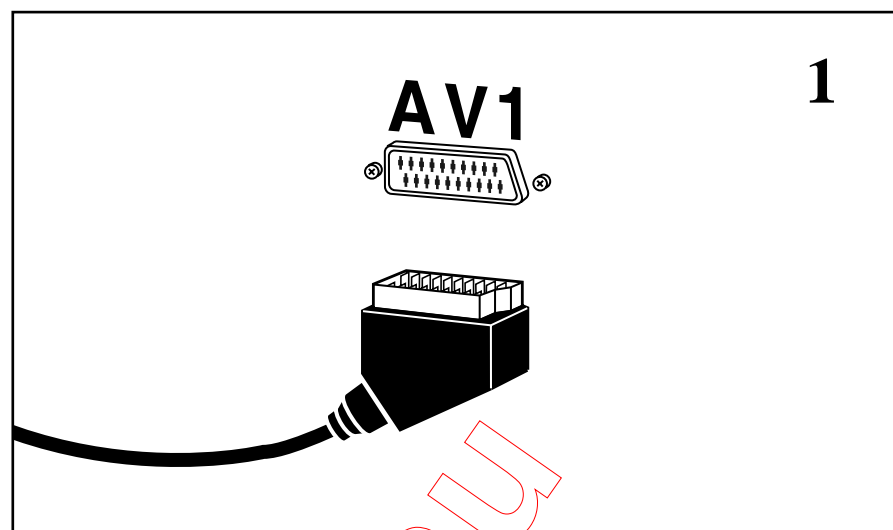
You may also connect a digital decoder cable/earth/satellite, an analog satellite receiver or a DVD player.

The type of connection shown on the opposite is highly recommended, given that it provides improved picture quality.

*To operate the external equipment connected, you must select its av socket by means of the **av** key. With certain equipment, selection of proper av socket is performed automatically. When connecting an S-Video equipment, make sure you press the **av** key twice.*

When you turn off the connected device, and if you have not changed channel during viewing, the TV set automatically returns to the previously watched channel.

If the TV set has been turned on by the VCR, it will return to stand-by as soon as the VCR is switched off.



Audio/Video sockets (2)

(If included)

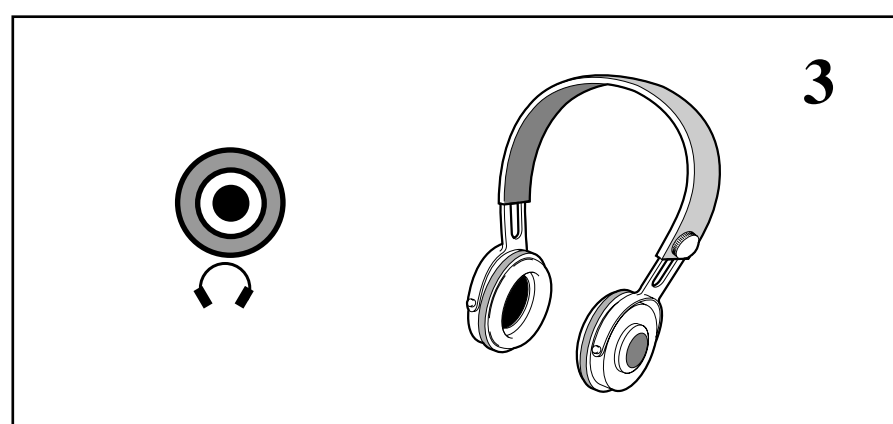
The Audio/Video sockets allow you to connect a VHS- or 8 mm-camcorder. To visualise the pictures from the camcorder, select the proper socket with the **av** key.

Not to degrade the picture and sound quality, do not turn on the devices connected to the scart socket and to the Audio/Video socket at the same time.

The Headphone socket (3)

(only available on specific models)

The headphone adapter allows you to connect a stereo headphone or earphone plugs; the loudspeakers sound is then muted. Volume may be adjusted through keys **+** / **-**.



Mains/batteries supply

Some TV set models may be supplied through either mains (220 - 240V ~ 50Hz) or battery 12V / 24V - CC.

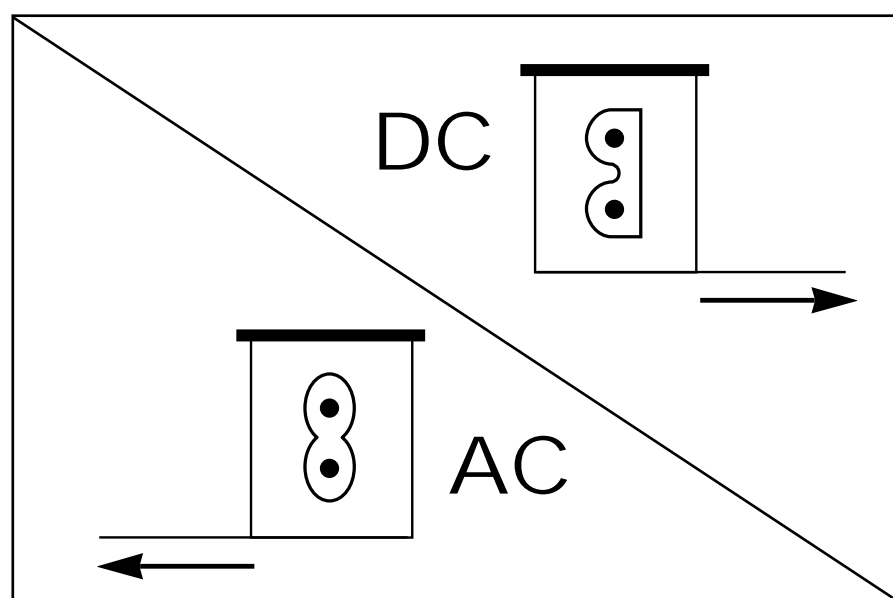
To connect your TV set to either one of these power sources, please proceed as indicated below:

12V / 24V DC Supply (Direct current).

Connect the battery cord to the left-hand socket (Move the socket cover to the right-hand side).

220 - 240V ~ 50 Hz Supply (Mains)

Connect the battery cord to the right-hand socket (Move the socket cover to the left-hand side).



To control your VCR


(model 2100 only)

Programming the remote control unit to control a video recorder.

- 1 - Press the **VCR** key.
- 2 - Hold the **MENU** key down and type one of the 3-digit codes corresponding to the brand of your VCR (see table on the following page).
- 3 - Release the **MENU** key.
- 4 - Try to put your video recorder into stand-by with the **⏻** key on the remote control unit.
If it does not go to stand-by, try another code.

Depending on the year your video recorder was made and on the equipment, some functions may not be available.

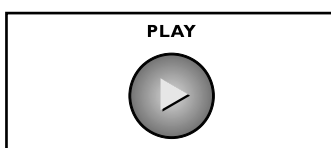
Some codes may cover more functions than others. Try out the functions that you can control and perhaps try other codes.

 Note here the code that suits best.

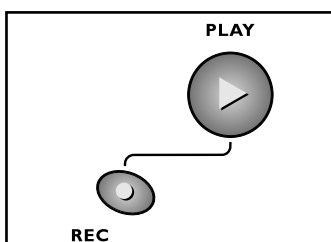
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When you change the batteries in the remote control unit, you must re-program it.

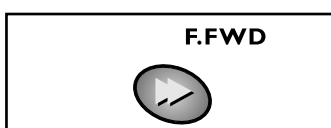
Video recorder keys



PLAY : play.



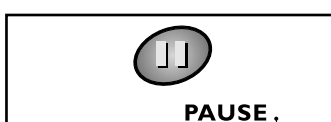
REC. + PLAY : record.



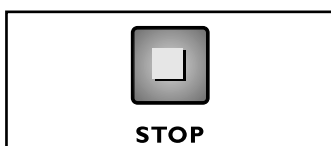
F.FWD : fast forward.



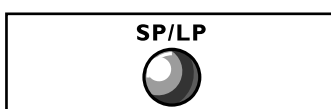
REW. : fast rewind.



PAUSE. : pause.



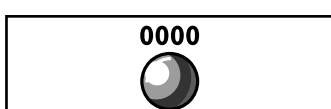
STOP : stop.



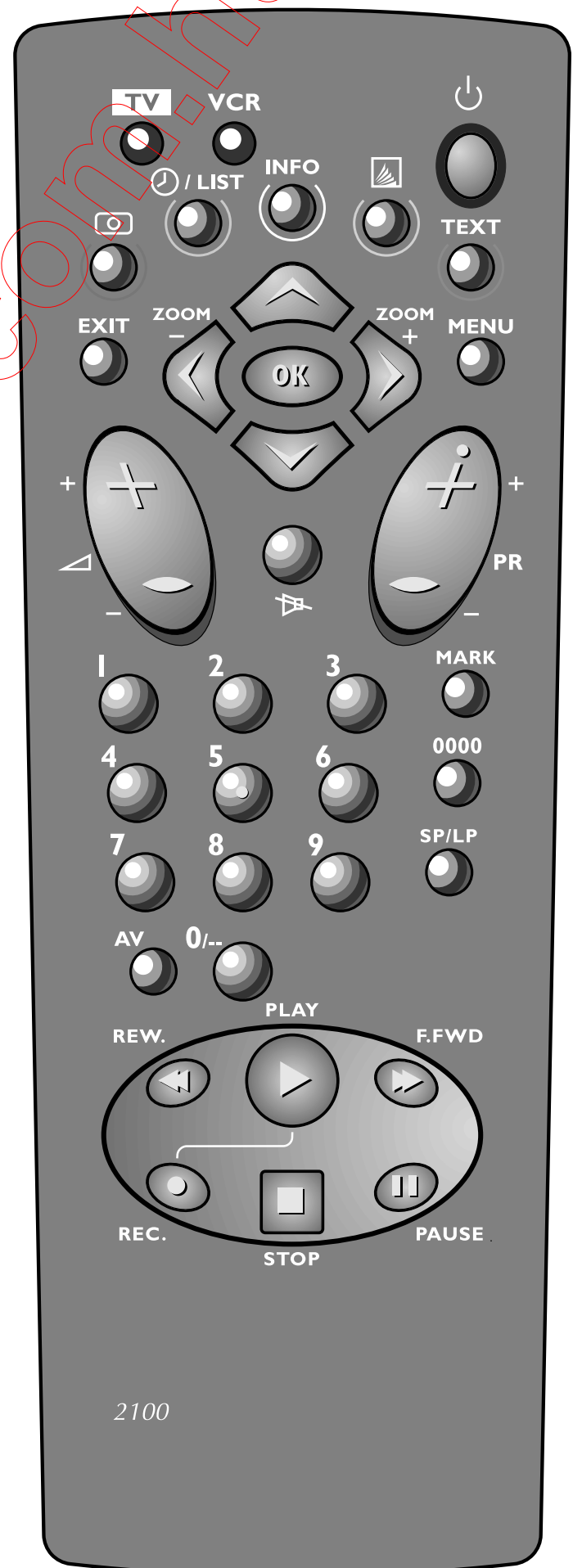
SP : standard play.
LP : long play.



MARK : mark.



0000 : reset/erase.



Video Recorder Codes

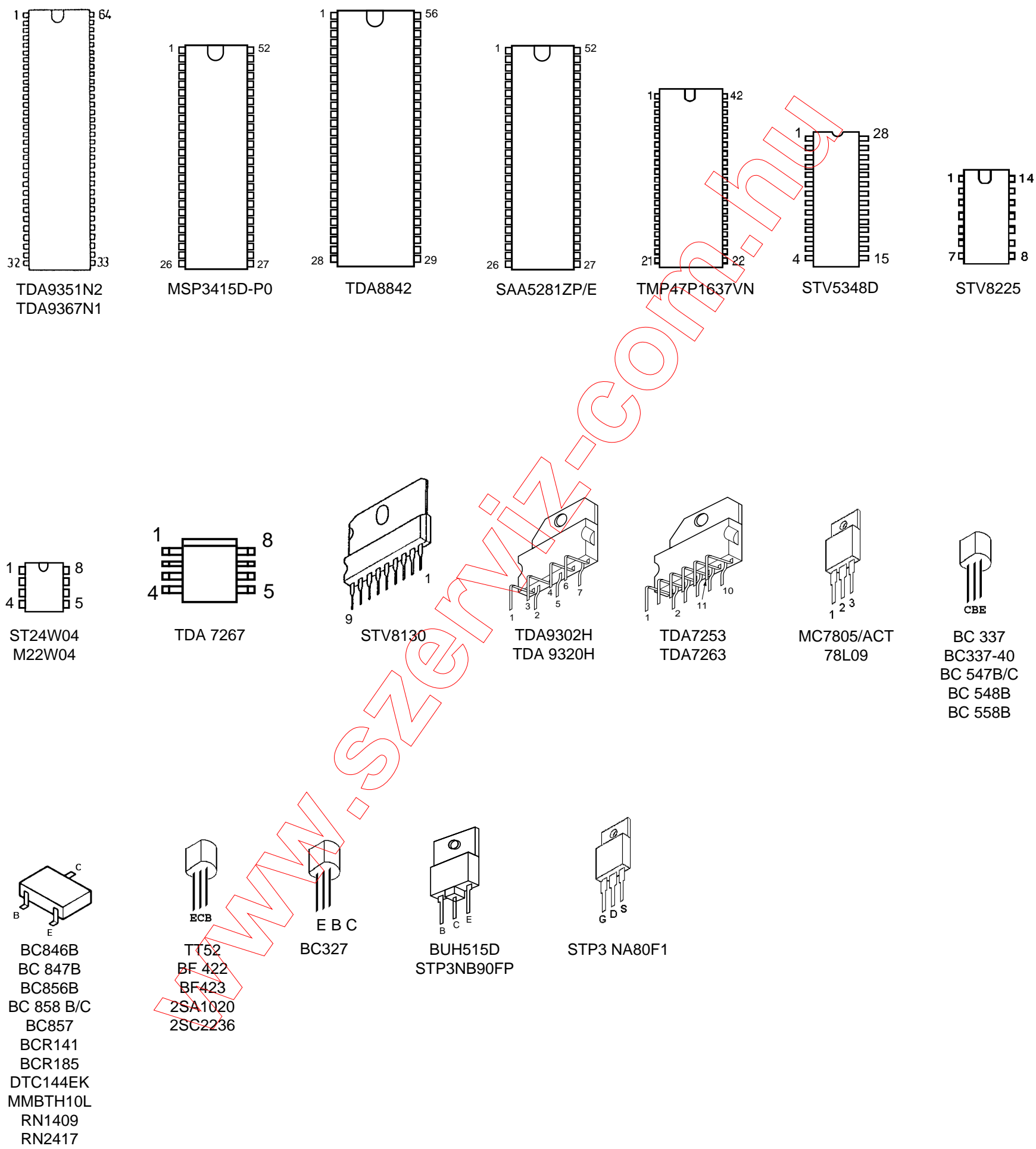
For remote control unit model 2100.

AIWA	167,168
AKAI	103,104,105,106,107
BLAUPUNKT	108,109,162
BRANDT	101,112,156,102
DAEWOO	140,141,142,143,144,145,146,147
FERGUSON	101,102,160,112,153,155,156,157
FISHER	135,136,137
FUNAI	130
GOLDSTAR	123,134
GRUNDIG	161,169,170
HITACHI	110,112,122,123
JVC	106,110,111,112,113
MITSUBISHI	148,149
NEC	139
NOKIA	103,110,135,138
NORDMENDE	101,102,112,154,156,157,158
ORION	124,125,126,127,128,129
PANASONIC	108,109,162
PHILIPS	161,162,163,164,165,166
RADIOLA	161,162,163,164,165,166
SABA	101,102,112,153,155,156,157,158
SAMSUNG	133
SANYO	119,120,121
SCHNEIDER	161,162,163,164,165,166
SHARP	131,132
SONY	115,116,117,118
TELEAVIA	101,112,156,155,102
TELEFUNKEN	101,102,112,156,155,159
THOMSON	101,102,112,154,156,157,158
TOSHIBA	110,111,114

LIST OF ABBREVIATIONS - LISTE DES ABREVIATIONS - ABKÜRZUNGEN
LISTA DELLE ABBREVIAZIONI - LISTA DE ABREVIACIONES

● BCL	BEAM CURRENT LIMITING INFORMATION
● BLACK_I	BLACK CURRENT INPUT
● B / B'	BLUE SIGNAL TO VIDEO AMPLIFIER
● CVBS	COMPOSITE VIDEO BASE BAND SIGNAL
● DEGAUSS	DEGAUSS SIGNAL
● DEG-COIL	DEGAUSS COIL
● FAULT	SIGNAL TO DETECT FAULT CONDITION
● FB	FAST BLANKING
● G / G'	GREEN SIGNAL TO VIDEO AMPLIFIER
● H / HDRIVE	DRIVE SIGNAL FOR HORIZONTAL DEFLECTION
● HTR / HEATER	HEATER VOLTAGE
● I_CUT	CUT OFF CURRENT
● IR	DATA FROM INFRARED RECEIVER
● MUTE	MUTE AUDIO AMPLIFIER
● OPTO	REGULATION SIGNAL GOING TO OPTO COUPLER ON DC-DC POWER SUPPLY MODULE.
● PO	POWER ON. SIGNAL FROM MICRO. TO POWER SUPPLY. SWITCHES THE POWER SUPPLY FROM STANDBY TO ON.
● R / R'	RED SIGNAL TO VIDEO AMPLIFIER
● SCL	SERIAL CLOCK
● SDA	SERIAL DATA
● SLOW_SW	SLOW SWITCH FROM SCART
● SOUND_SW	IF SELECTION CONTROL INPUT
● UA	POSITIVE AUDIO VOLTAGE
● -UA	AUDIO VOLTAGE GROUND
● USTBY	STANDBY VOLTAGE: 11.9V
● +UB / USYS	SYSTEM VOLTAGE
● USYS_MOD	SIGNAL TO MODULATE USYS
● UVIDEO	VIDEO VOLTAGE FOR THE CRT BOARD
● V_DRIVE	DRIVE SIGNAL FOR VERTICAL DEFLECTION
● +VSUPPLY	12.9V. POSITIVE SUPPLY VOLTAGE FOR VERTICAL POWER AMPLIFIER
● -VSUPPLY	10.5 TO 12.5V (DEPENDING ON TUBE TYPE). NEGATIVE SUPPLY VOLTAGE FOR VERTICAL POWER AMPLIFIER 12.9V.
● VT	TUNING VOLTAGE
● +5VON	SUPPLY VOLTAGE FOR THE MICROPROCESSOR AND AUDIO PART. ONLY PRESENT IN ON MODE.
● +8V	SUPPLY VOLTAGE FOR THE MICROPROCESSOR, AUDIO PART AND FOR THE DRIVER PULL-UP RESISTOR
● +3VUP	PRESENT IN STANDBY MODE. POWER SUPPLY VOLTAGE FOR THE MICROPROCESSOR. POWER SUPPLY INTERNAL USED AS REFERENCE VOLTAGE FOR THE REGULATION
● +33V	TUNER VOLTAGE

INTEGRATED CIRCUITS AND TRANSISTORS OUTLINE - CIRCUITS INTEGRES ET TRANSISTORS
INTEGRIERTE SCHALTUNGEN UND TRANSISTOREN - CIRCUITI INTEGRATI TRANSISTOR
CIRCUITOS INTEGRADOS Y TRANSISTORES



EACEM - SECTION CODES

COMMON	
ANT	ANTENNA SECTION
APR	SIGNAL PROCESSING (ANALOG)
BCH	BATTERY CHARGE
CLK	CLOCK/TIMER SECTION
CPA	COLOUR PROCESSING/ANALOG
CTR	CONTROL PANEL
DPR	SIGNAL PROCESSING (DIGITAL)
ERA	ERASE CIRCUIT
FLX	FLEXIBLE PRINTED CIRCUIT BOARD
HFS	HIGH FREQUENCY SECTION (RF)
IDS	INFORMATION DISPLAY SECTION
IFC	IF-CIRCUIT
ILN	i.LINK (IEEE1394) SECTION
INP	SIGNAL INPUT SECTION
IRD	INFRARED (IrDA) SECTION
MEM	MEMORY CIRCUIT
OUT	SIGNAL OUTPUT SECTION
PRG	PROGRAMMING SECTION
PRT	PROTECTION CIRCUIT
PSU	POWER SUPPLY
PWA	POWER AMP SECTION
REM	REMOTE CONTROL SECTION
RFU	BOOSTER,RF UNIT
SFT	SOFTWARE (TAPE, DISC, ETC.)
SNS	SENSOR UNIT
SVO	SERVO SECTION
SYS	SYSTEM CONTROL SECTION
TUN	TUNING SECTION
TXT	TEXT PROCESSING
SOUND-RELATED	
APA	AUDIO PROCESSING/ANALOG
APD	AUDIO PROCESSING/DIGITAL
CDC	CD CHANGER SECTION
CDS	CD SECTION
MDC	MD CHANGER SECTION
MDS	MINIDISC SECTION
MIC	MICROPHONE SECTION
PUD	PICK-UP DEVICE
SHD	STATIONARY HEAD(S)
SPK	SPEAKER
PICTURE-RELATED	
CAM	CAMERA CIRCUIT
CPD	COLOUR PROCESSING/DIGITAL
CRT	PICTURE TUBE
DFL	DEFLECTION CIRCUIT
DVD	DVD SECTION
FPK	FOCUS PACK
IMG	IMAGE DISPLAY UNIT

PICTURE-RELATED	
LCD	LCD SECTION
LMP	LAMP/FLASH SECTION
VPA	VIDEO PROCESSING/ANALOG
VPD	VIDEO PROCESSING/DIGITAL
VWF	VIEWFINDER
PC-RELATED	
FDD	FLOPPY DISC DRIVE
FMW	FIRMWARE
HDD	HARD DISC DRIVE
ISA	ISA SECTION
JST	JOYSTICK
KBD	KEYBOARD (SEPARATE)
MDM	MODEM SECTION
NIF	NETWORK INTERFACE
PAR	PARALLEL PORT
PCC	PC CARD
PCI	PCI SECTION
SCS	SCSI PORT
SER	SERIAL PORT
USB	USB PORT
MECHANICAL	
ARM	ARM MECHANISM
BZL	BEZEL
CBT	CABINET
CHA	CHASSIS
DDM	DISC DRIVE MECHANISM
EXC	EXTERNAL CONNECTOR
HCM	HEAD CARRIAGE MECHANISM
HOL	CASSETTE HOLDER
INC	INTERNAL CONNECTOR
LDG	LOADING MECHANISM
LMN	LENS MECHANISM
PFM	PAPER FEED MECHANISM
PIN	PINCH ROLLER/LEVER
PRI	PRINT BLOCK
RFM	RIBBON FEED MECHANISM
RHD	ROTARY HEAD(S)
SLD	SLED MECHANISM
SRS	SUPPLY REEL SECTION
STA	STATIC BLOCK
TDM	TAPE DRIVE MECHANISM
THR	THREADING MECHANISM
TNR	TENSION REGULATOR
TPT	TAPE PATH
TRS	TAKE-UP REEL SECTION
WIR	LEAD WIRE
XXX	CABINET/COSMETIC PARTS

DEFECT CODES			
MECHANICAL		ELECTRICAL	
A	WORN OUT (OR GENERAL MECHANICAL DEFECT)	N	DEFECTIVE ELECTRICAL COMPONENT/MODULE
A1	MISOPERATING	O	BURNT, ARCING, MISSING PIXELS
B	DIRTY, CLOGGED	P	ELECTRICALLY MISALIGNED/WRONG SETTING
C	MECHANICALLY MISALIGNED	Q	SHORT CIRCUIT
D	CUT, BROKEN	R	OPEN CIRCUIT
E	DEFORMED	S	LEAKING (ELECTRICAL)
F	SNAPPED	T	BAD CONTACT, CONNECTION
G	SCRATCHED, DENTED, SHARP EDGES	T1	BAD EARTH CONNECTION
H	CRACKED, PEELED, CORRODED, MELTED	U	OPEN PATTERN
I	LOOSE/OFF/STRIPPED	V	CRACKED PRINTED CIRCUIT BOARD
J	SHAKY, UNSTABLE	W	COLD OR NO SOLDERING
K	LEAKING (MECHANICAL)	X	BRIDGED SOLDERING
L	DRY (NO LUBRICANT)	Y	WRONG COMPONENT/MODULE
M	FOREIGN OBJECT	Z	MISSING COMPONENT/MODULE
		1	SOFTWARE PROBLEM
		11	LOSING DATA FROM MEMORY
		12	FAULTY PROGRAM SETTING/INSTALLATION
		13	SOFTWARE DEFECTIVE OR INCOMPLETE
		14	SOFTWARE SETUP PROBLEM
		15	NO IDENTIFICATION / AUTHENTICATION OF PRODUCT OR USER
		2	EXHAUSTED, LOW EMISSION
		3	NO PROBLEM FOUND (SET WITHIN SPEC)
		4	NO PROBLEM FOUND - CUSTOMER MISUNDERSTANDING
		5	NO PROBLEM FOUND - LOCAL CONDITIONS
		51	FAULTY MAINS VOLTAGE
		6	UNABLE TO DIAGNOSE FAULT
		7	INCORRECTLY WIRED/ASSEMBLED
		81	INCORRECT EQUIPMENT CONNECTION
		9	CUSTOMER MISUSE
		93	UNAUTHORISED MODIFICATION

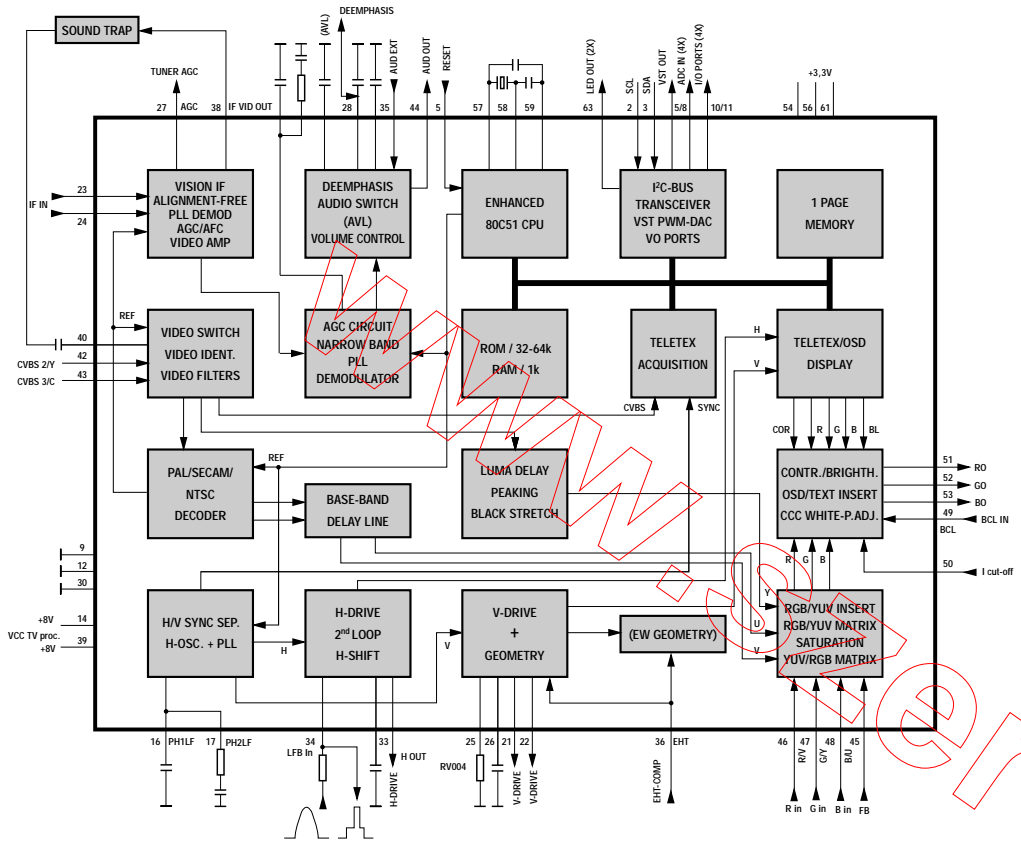
REPAIR CODES			
A	REPLACEMENT	Q	PREVENTIVE ACTION WITHOUT PARTS REPLACEMENT
B	MECHANICAL ALIGNMENT	U	EXPLANATION FOR CUSTOMER
C	ELECTRICAL ALIGNMENT	V	COST ESTIMATION REFUSED
D	RESOLDERING	W	COST ESTIMATION WITH PARTS
D1	REFITTING, PUT BACK IN POSITION (CONNECTOR, TUBE...)	X	COST ESTIMATION WITHOUT PARTS
E	CLEANING	Y	RETURN WITHOUT REPAIR
F	LUBRICATION	Z	PRODUCT EXCHANGE
G	REPAIRED ELECTRICAL PARTS	Z1	PRODUCT EXCHANGE (REPAIR TOO EXPENSIVE)
H	REPAIRED MECHANICAL PARTS	Z2	PRODUCT EXCHANGE (TOO MANY VISITS/REPAIRS)
I	MODIFICATION REQUESTED BY MANUFACTURER	Z3	PRODUCT EXCHANGE (PARTS NOT AVAILABLE)
J	REMOVED	Z4	PRODUCT EXCHANGE (IMPOSSIBLE TO REPAIR)
K	ADDED	Z5	PRODUCT EXCHANGE (ON REQUEST OF RETAILER)
L	FUNCTIONAL CHECK	Z6	PRODUCT EXCHANGE (ON REQUEST OF MANUFACTURER)
M	SPECIFICATION MEASUREMENT	1	SOFTWARE CORRECTION/RESET
N	MAINTENANCE	2	SOFTWARE UPGRADE
O	REFURBISHING, RECONDITIONING	3	PRODUCT UPGRADE (ON REQUEST)
P	PREVENTIVE PARTS REPLACEMENT		

EXAMPLE OF USE:

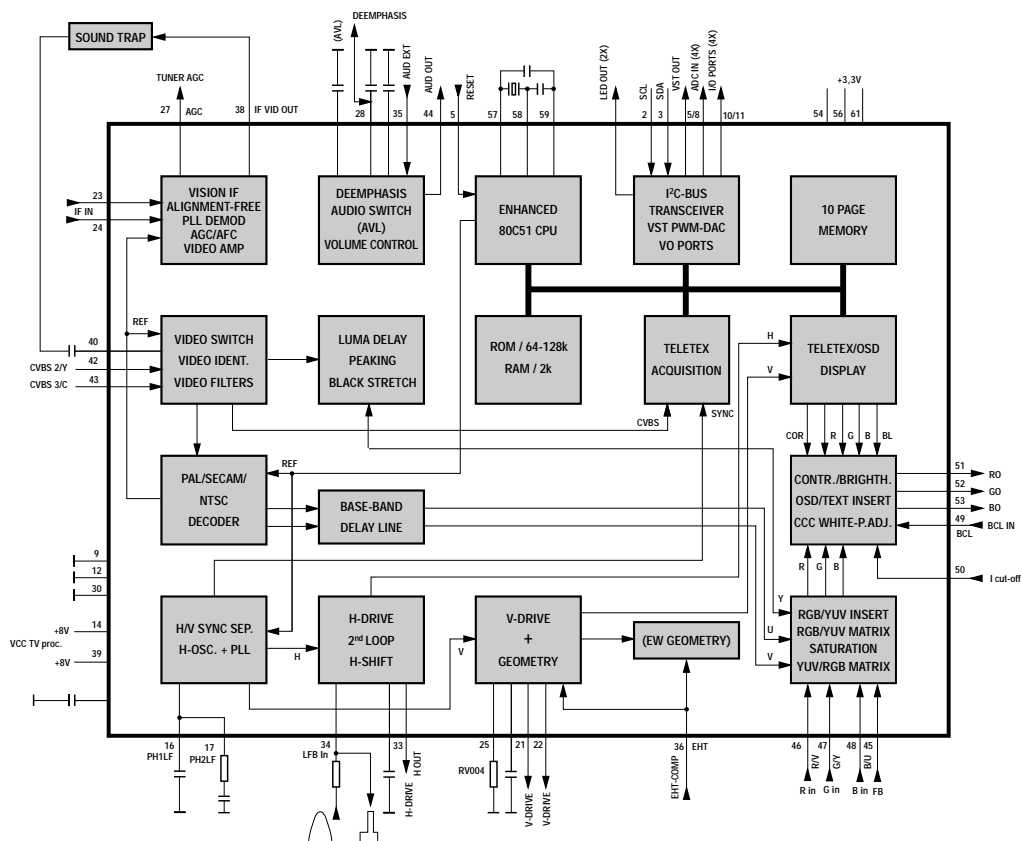
FLAG	SYMPTOM CODE	PART NO.	REF. NO.	SECTION	PCB	DEFECT CODE	REPAIR CODE	QTY
1	1 4 1 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 1 2 3 . . .	T D M	Y A 2 2 . . .	C 1	Z 1	. . .
.	3 6 4 1	3 4 5 6 7 8 9 X X X X X X X X	1 1 1 . . .					

FLAG: INDICATES THE ONE MAJOR SYMPTOM/PART COMBINATION BY '1'

TDA9351N1 MICROPROCESSOR

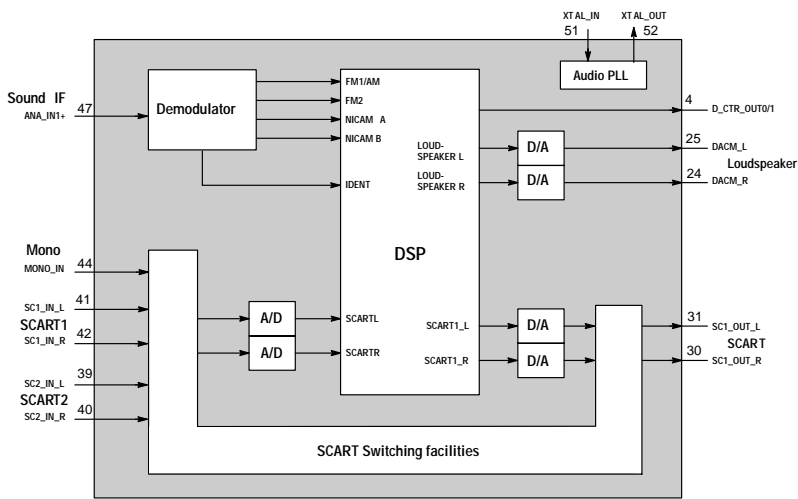


TDA9367N1 MICROPROCESSOR

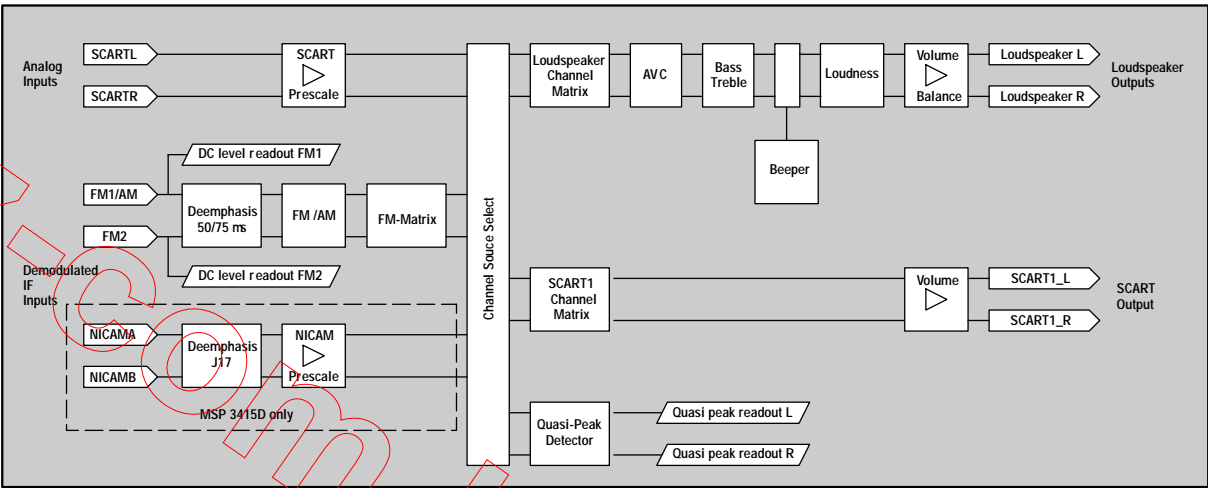


MSP 3415D

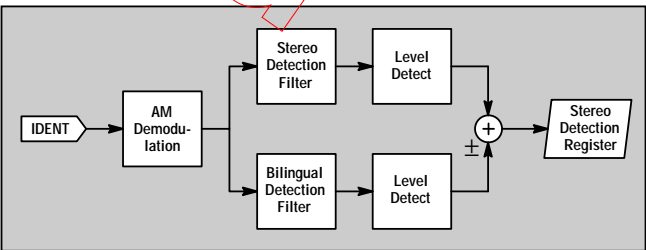
MULTISTANDARD SOUND PROCESSOR



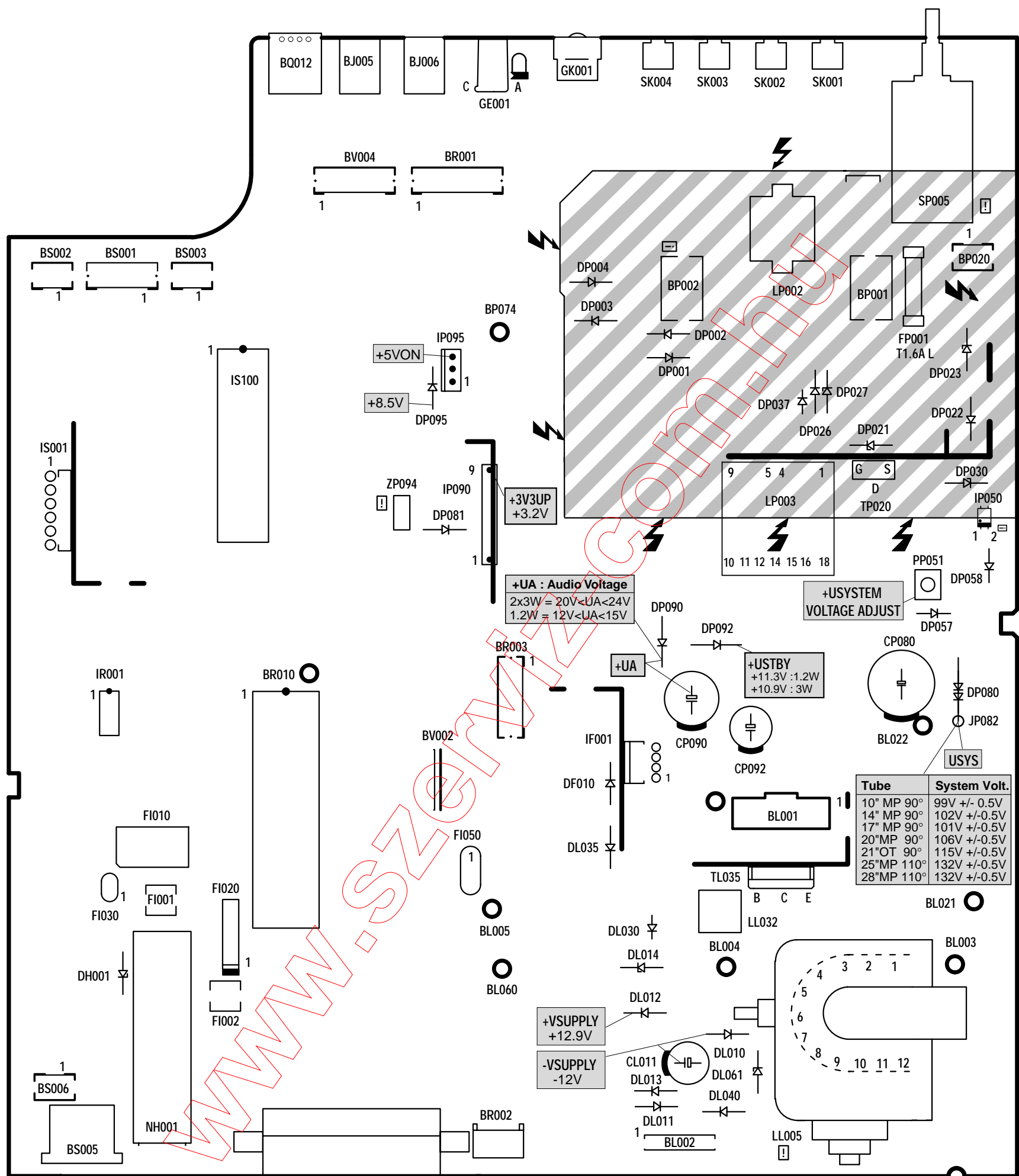
AUDIO BASEBAND PROCESSING



DETECTION PART OF THE MSP3415D



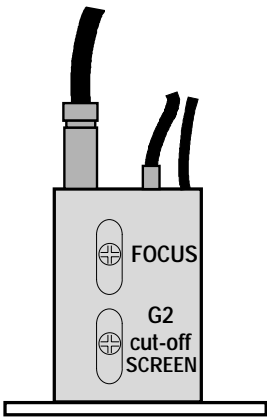
LOCATION OF CONTROLS - EMBLACEMENT DES REGLAGES -
SERVICE LAGEPLAN - POSIZIONE REGOLATORI DI SERVIZIO -
SITUACIÓN DE LOS AJUSTES






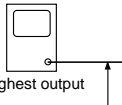
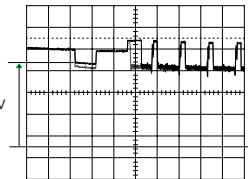






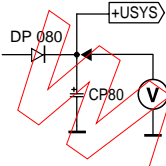
Part of board connected to mains supply.
Partie du châssis reliée au secteur.
Primärseite des Netzteils.
Parte dello châssis collegata alla rete.
Parte del chasis conectada a la red.



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



ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZIONE - AJUSTES

U G2 / CUTOFF	LL05	<p>Peak white pattern</p> <p> +  +  = 50%</p>	 <p>highest output</p> <p>CRT IB01: Pins 9 / 8 / 7</p>	 <p>V</p> <p>0</p>	<table><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" MP 90°</td><td>140V +/- 3V</td></tr><tr><td>21" OT 90°</td><td>140V +/- 3V</td></tr><tr><td>25" MP110°</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" MP 90°	140V +/- 3V	21" OT 90°	140V +/- 3V	25" MP110°	140V +/- 3V																								
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FOCUS	LL05	<p>Coontrast = 100% Brightness = 0%</p> <p></p> <p>Test pattern (standard values)</p>		Sharp picture																																									
<div>MAIN</div> SYSTEM VOLTAGE +USYS	PP051	<p> +  +  = 50%</p> <p>TV to AV : Black tes pattern</p> <p>AV </p>	 <p>DP 080</p> <p>+USYS</p> <p>CP80</p> <p>V</p>	<table><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>JL992</td></tr><tr><td>17" MP 90°</td><td>101V +/-0.5V</td><td>76k8</td><td>JL982</td><td>JL991</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	JL992	17" MP 90°	101V +/-0.5V	76k8	JL982	JL991	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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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

GB

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





1. Service Mode Access

- 1.1 With the RCU, switch the TV set into the "Standby" mode.
- 1.2 Switch "Off" the TV set by mains supply switch (wait until LED is dark).
- 1.3 Whilst pressing the "Magenta (text)" button on the RCU switch "On" the TV set using the mains switch.
Continue to press the "Magenta (text)" button until the Service-setup Sub-menu appears.

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

2. Service Menu



2.1 Navigation

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



2.2 Service-Menu lines

Set-up lines (INIT,STANDARD,OSDCONTR) -
Geometry lines (HS,VS, VA, SC,VSH)
Video lines (CL, BLORS/BLORP,BLOGS/BLOGP,WPRS/WPRP,WPGS/WPGP, WPBS/WBPB, 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 lines in the Service Menu is possible by pressing the  /  buttons on the RCU. The selected line will be highlighted in YELLOW text.

3. Alignment and storing new function value

- 3.1 The current value of the selected function is displayed in a hexadecimal form to the right of the function name. This value is adjusted by means of the RCU  /  buttons.
- 3.2 The values will be stored in the non-volatile memory when leaving the service menu.
- 3.3 To leave the Service menu press the "Exit" button on the RCU.

4. Temporary exit from Service Mode

- 4.1 To temporary leave the Service Mode, press the "Exit" button on the RCU. To access the everyday menus, press the "Menu" button on the RCU.
- 4.2 To return to the Service Menu, press the "Magenta" button on the RCU

5. Leaving the Service Mode

- 5.1 To **EXIT** the Service Menu either press, the "Standby" button on the RCU or switch "Off" the mains supply to the TV.

TX807 C/CS

First issue 03 / 00

SERVICE-MODE

D

Der Service-Mode wird für den Geräteabgleich benötigt. Alle Einstellungen erfolgen mit der Fernbedienung (bis auf Fokuseinstellung und Schirmgitterspannung).





1.Service-Mode einschalten

- 1.1 Mit der Fernbedienung das Fernsehgerät in Stand-by schalten.
- 1.2 Das Gerät mit dem Netzschalter ausschalten (warten bis LED dunkel ist)
- 1.3 Während Sie die margentafarbene Taste (**text**) auf der Fernbedienung gedrückt halten, schalten Sie das Gerät mit dem Netzschalter ein. Halten Sie die margentafarbene Taste solange gedrückt bis das Service Setup Sub-Menü erscheint.

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

2. Service Menü



2.1 Navigation

- Drücken Sie die Tasten  /  zum Auswählen der Menüzeile.
- Drücken Sie die  /  -Tasten um eine Menüfunktion anzuwählen oder abzugleichen.



2.2 Service-Menü Zeilen

Set-up lines (INIT,STANDARD,OSDCONTR) -
Geometry lines (HS,VS, VA, SC,VSH)
Video lines (CL, BLORS/BLORP,BLOGS/BLOGP,WPRS/WPRP,WPGS/WPGP, WPBS/WBPB, PWS/PWP, BKS, YD) -
IF lines (TOP) -
Videoprocessor (CD0, CD1, SYN0, SYN1, DEF,V10,V11,SOUND,CONT0, CONT1,FEAT0).

2.3 Aktivierung einer Menüzeile:

Die erste Zeile (1) wird ständig angezeigt. Die Anwahl der Zeilen (2) und (3) im Service-Menü ist durch Drücken der  /  -Tasten möglich. Die gewählte Zeile wird in gelber Farbe dargestellt.

3. Abgleich der gewählten Funktion und Speichern

- 3.1 Der momentane Wert der gewählten Funktion wird hexadezimal rechts neben der abzugleichenden Position angegeben und kann mit der Taste  /  auf der Fernbedienung verändert werden.
- 3.2 Die Werte werden nach dem Verlassen des Service-Menüs im nichtflüchtigen Speicher (EEPROM) abgelegt.
- 3.3 Drücken Sie "Exit" zum Verlassen eines Service Sub-Menüs.

4. Vorübergehendes verlassen des Service-Mode

- 4.1 Auf der Fernbedienung Exit drücken.
Mit der Tasten Menü gelangen Sie zum Menü-Übersicht.
- 4.2 Durch Drücken der margentafarbenen Taste gelangen Sie in das Service Setup Sub-Menü.

5. Service-Mode verlassen

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

MODO SERVICIO

E





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

1. Ajustar el Modo Servicio

- 1.1 Con el mando a distancia conectar a STANDBY el televisor.
- 1.2 Desconectar el aparato con el interruptor de la red (esperar hasta que el LED se apague).
- 1.3 Mientras mantiene pulsado el botón "Magenta (texto)" de la UCR, pulse el interruptor general de red para encender el televisor.
Mantenga pulsado el botón "Magenta (texto)" hasta que aparezca el submenú de la configuración del servicio.

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

2. Menú Servicio.

- 2.1 Desplazamiento
 - Pulse el botón  /  para seleccionar la línea del menú.
 - Pulse el botón  /  para ajustar o seleccionar una opción del menú.

SERVICE-MODE

I

Il Service-Mode è necessario per l'allineamento dell'apparecchio. Tutte le regolazioni si effettuano con il telecomando. (tranne le regolazioni del fuoco e le tensioni della griglia schermo).





1. Attivazione del Service-Mode

- 1.1 Commutare il televisore in stand-by con il telecomando.
- 1.2 Spegner l'apparecchio con l'interruttore di rete (attendere finché il LED è spento)
- 1.3 Mentre tenete premuto il pulsante "Magenta (testo)" del RCU, accendete il televisore utilizzando l'interruttore di rete. Continuate a premere il pulsante "Magenta (testo)" del RCU fino all'apparizione del Service Setup Sub Menu

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

2. Service Menu



2.1 Navigazione

- Premere i tasti  /  per selezionare la linea del menu
- Premere i tasti  /  per la regolazione o la selezionz di un elemento del menu



2.2 Linee Service Menu

Set-up lines (INIT,STANDARD,OSDCONTR) -
Geometry lines (HS,VS, VA, SC,VSH)
Video lines (CL, BLORS/BLORP,BLOGS/BLOGP,WPRS/WPRP,WPGS/WPGP, WPBS/WBPB, PWS/PWP, BKS, YD) -
IF lines (TOP) -
Videoprocessor (CD0, CD1, SYN0, SYN1, DEF,V10,V11,SOUND,CONT0, CONT1,FEAT0).

2.3 Attivazione di una linea :

La prima linea (1) è continuamente visualizzata. La selezione delle linee successive (2) o (3) è possibile in service menu premendo i tasi  / . la linea selezionata sarà visualizzata di colore giallo.

3. Taratura della funzione scelta e memorizzazione

- 3.1 Il valore momentaneo della funzione scelta viene indicato in formato esadecimale a destra, accanto alla posizione da allineare e può essere cambiato con il pulsante  /  del telecomando.
- 3.2 I valori verranno memorizzati nella memoria num quando verrà lasciato il menù service mode.
- 3.3 Premere il tasto "Exit" per uscire da qualsiasi Service Sub Menu.



4. Uscita temporanea dal Service Mode

- 4.1 Premere Exit sul telecomando.
Al menu di uso quotidiano si accede attraverso il pulsante Menu.
- 4.2 Il Service Setup Sub Menu è accessibile attraverso il tasto "Magenta".



5. Disattivazione del Service-Mode

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

2.2 Líneas del menú del Modo Servicio
Set-up lines (INIT,STANDARD,OSDCONTR) -
Geometry lines (HS,VS, VA, SC,VSH)
Video lines (CL, BLORS/BLORP,BLOGS/BLOGP,WPRS/WPRP,WPGS/WPGP, WPBS/WBPB, PWS/PWP, BKS, YD) -
IF lines (TOP) -
Videoprocessor (CD0, CD1, SYN0, SYN1, DEF,V10,V11,SOUND,CONT0, CONT1,FEAT0).

2.3 Activación de una línea :
La primera línea (1) se muestra siempre en la pantalla. La selección secuencial de las líneas (2) y (3), es posible pulsando las teclas  / . La línea seleccionada es la que está en color amarillo

3. Ajuste de la función elegida y almacenamiento

- 3.1 El valor momentáneo de la función elegida es indicado de modo hexadecimal a la derecha, al lado de la posición a ajustar, y puede cambiarse con la tecla  /  en el mando a distancia.
- 3.2 Los valores serán memorizados en la EEPROM al salir del menú del Modo Servicio.
- 3.3 Pulse el botón "Exit" para salir de cualquier submenú Servicio.

4. Salida temporal del Modo Servicio

- 4.1 Pulse Salir en el mando a distancia.
Con el botón Menu puede acceder al menú de uso cotidiano.
- 4.2 Puede acceder al submenú de configuración del servicio mediante el botón "Magenta".

5. Salir del Modo Servicio

- 5.1 Conmute el aparato a STANDBY a fin de salir del MODO SERVICIO o desconectar con el interruptor de la red.

ALIGNMENT PROCEDURE - PROCESSUS DE REGLAGES - ABGLEICH - VISUALIZZAZIONE DEL VALORE DI REGOLAZIONE - PROCEDIMIENTO DE ALINEACION

SET-UP LINES			
ID	00.07		
INIT	◀ ▶		
STANDARD	00	0-03	
OSDCONTR	07	0-0F	
FR	00		

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

STANDARD RF Norm Group Selection			
00	EU	BG / LL'	
01	FR	LL' / BG	
02	UK	PAL I only	
03	DK	DKK' PAL, SECAM	

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

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

FR Factory Setting: FR=00H
Specific TX807C mono TDA9351N1.

00: FR is not available in progr. 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

GEOMETRY LINES*			
HS	20	0-3F	
VS	◀ 1A	0-3F ▶	
VA	20	0-3F	
SC	10	0-3F	
VSH	20	0-3F	

HS		
----	--	--

VS
V_Slope

- Apply a test pattern signal to the TV with a single horizontal and vertical line on the screen.
- Select the "VS" line of the menu.
- The bottom half of the screen will go black.
- Adjust VS until the centre line of the pattern is just invisible.
- 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"

VA		
----	--	--

SC		
----	--	--

VSH		
-----	--	--

overscan :
V=107%
H=107%



Correct

incorrect

VIDEO LINES			
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	

CL	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.

Cutt-off **

BLORS / BLORP
Black level offset Red SECAM/PAL

BLOGS / BLOGP
Black level offset Green SECAM/PAL

Drive**

WPRS / WPRP
White point Red SECAM/PAL

WPGS / WPGP
White point Green SECAM/PAL

WPBS / WPBP
White point Blue SECAM/PAL

PWS / PWP**
Peak White SECAM/PAL

BKS
Black Stretch

YD
Luminance Delay

factory Setting

Use ◀ ▶
to adapt the image

⚠ 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

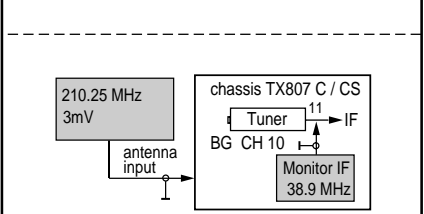
" S " : Video signal received is SECAM.

" P " : Video signal received is PAL.

IF LINES			
TOP	◀ 20	0-0F ▶	

TOP	AGC - Take Over
-----	-----------------

- Minimum noise- Minimum de bruit
- Minimum Rauschen - Rumore minimo
- Minimo ruido



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

ROM Default Value : AGC : 20

VIDEO PROCESSOR LINES			
CD0	84	0-FF	
CD1	00	0-0F	
SYN0	◀ 30	0-FF ▶	
SYN1	08	0-FF	
DEF	00	0-0F	
VI0	40	0-FF	
VI1	00	0-0F	
SOUND	00	0-FF	
CONT0	46	0-FF	
CONT1	00	0-0F	
FEAT0	00	0-01	

CD0
CD1

- Colour Decoder 0 = 84
- Colour Decoder 1
mono sets: CD1 = 80H
stereo sets: CD1 = 00H
Factory setting.

SYN0
SYN1

- Synchronisation 0 = 30
- Synchronisation 1 = 1C
Factory setting.

DEF

- Deflection = 00
Factory setting.

VI0
VI1

- Vision IF 0 = 40
- Vision IF 1 = 00
Factory setting.

SOUND

- Sound = 00
Factory setting.

CONT0
CONT0

- Control 0 = 40
- Control 1 = 00
Factory setting.

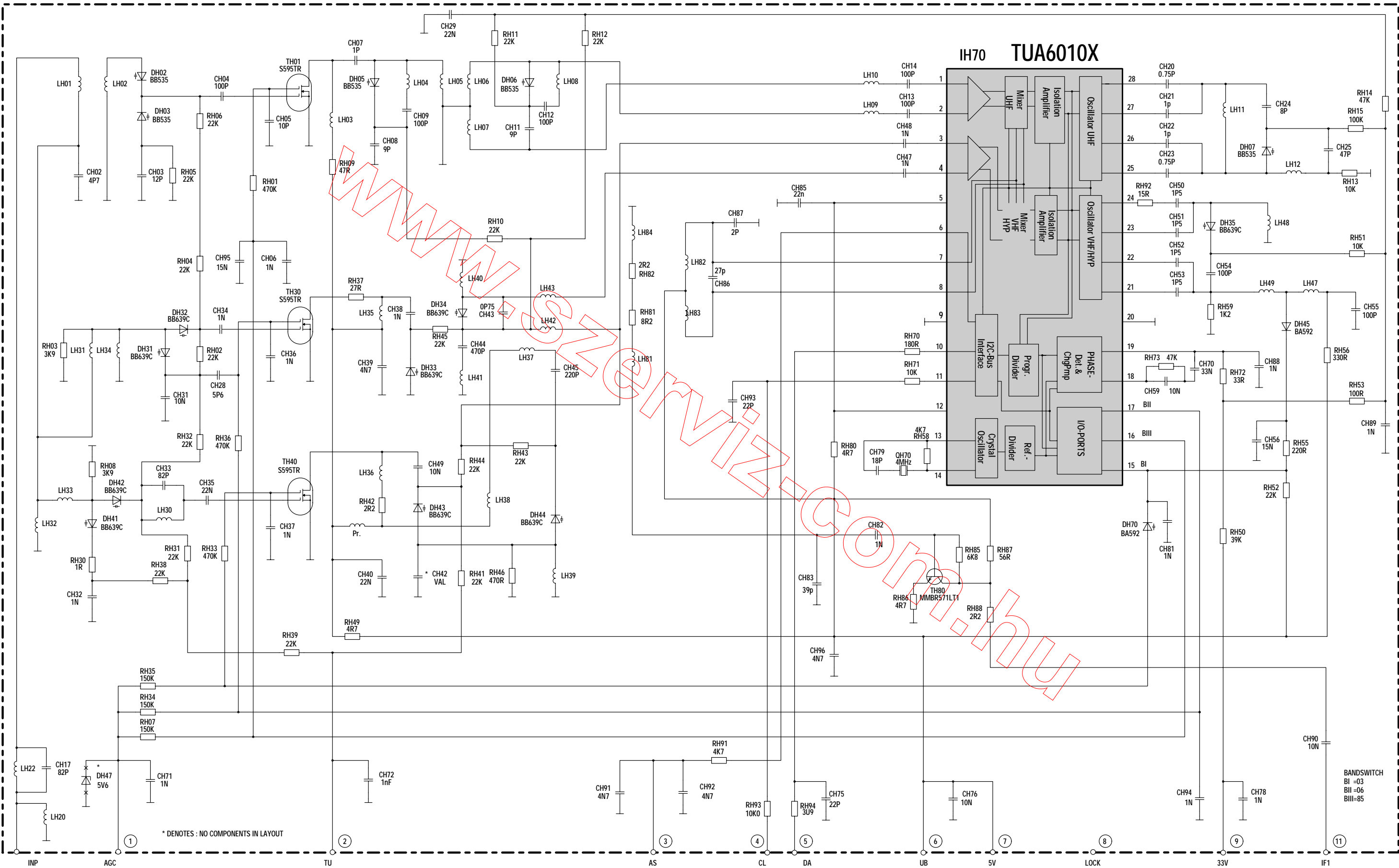
FEAT0

- Features 0 = 00
Factory setting.

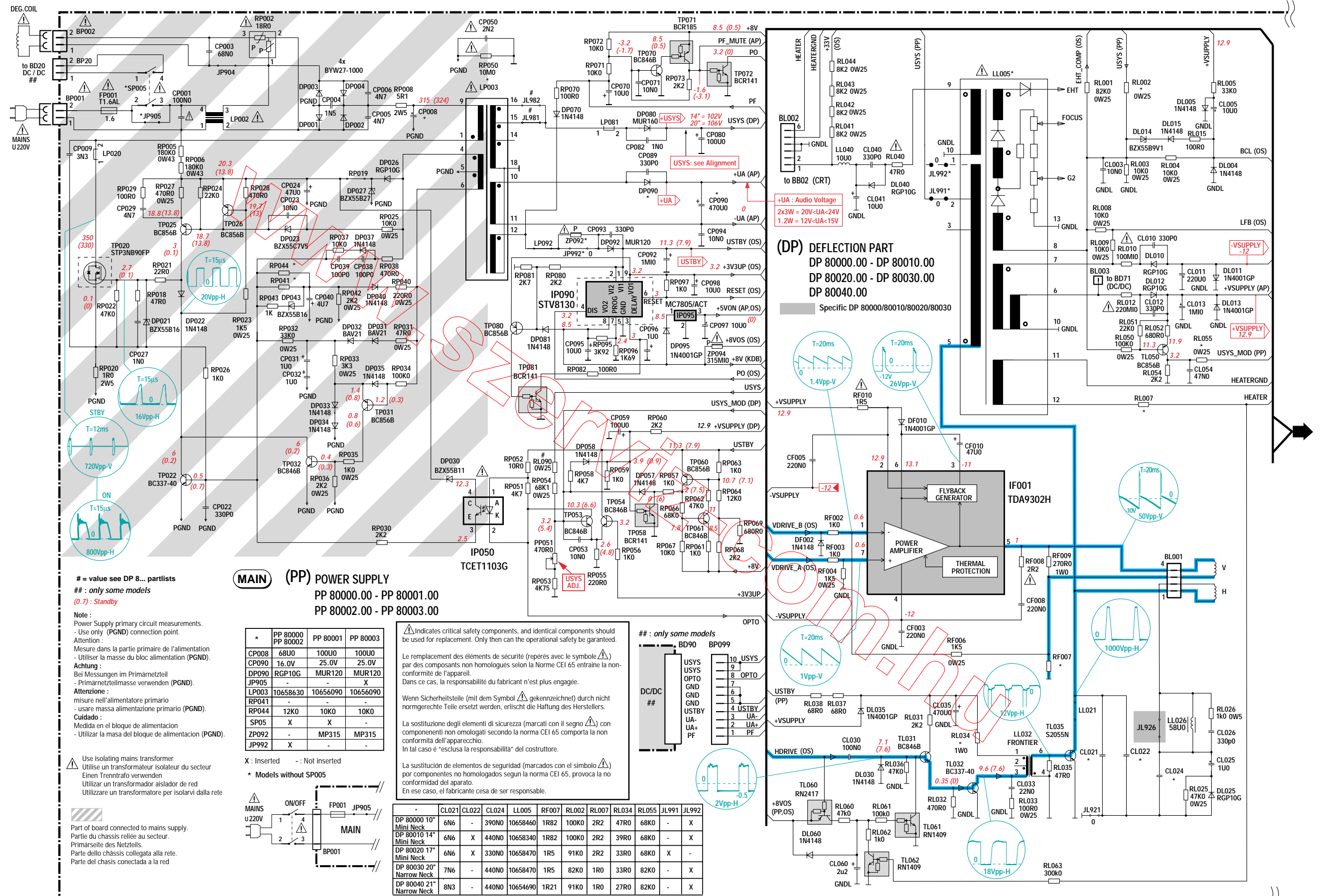
DEFAULT VALUES

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 Stereo: 00
SYN0	Synchronisation 0	30
SYN1	Synchronisation 1	1C
DEF	Deflection	00
VI0	Vision IF 0	40
VI1	Vision IF 1	00
SOUND	Sound	00
CONT0	Control 0	40
CONT1	Control 1	00
FEAT0	Features 0	00

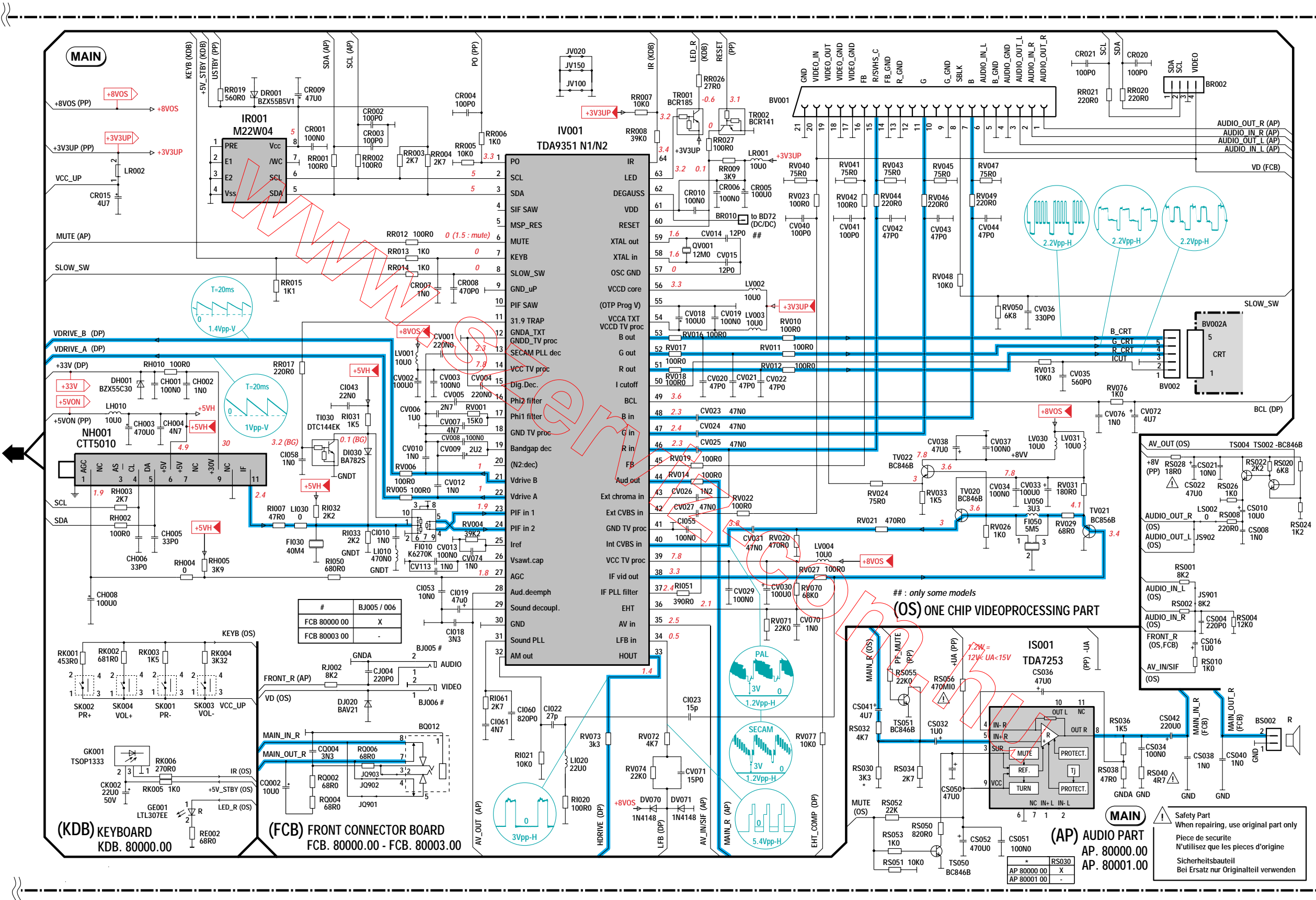
VHF / UHF TUNER CTT5010



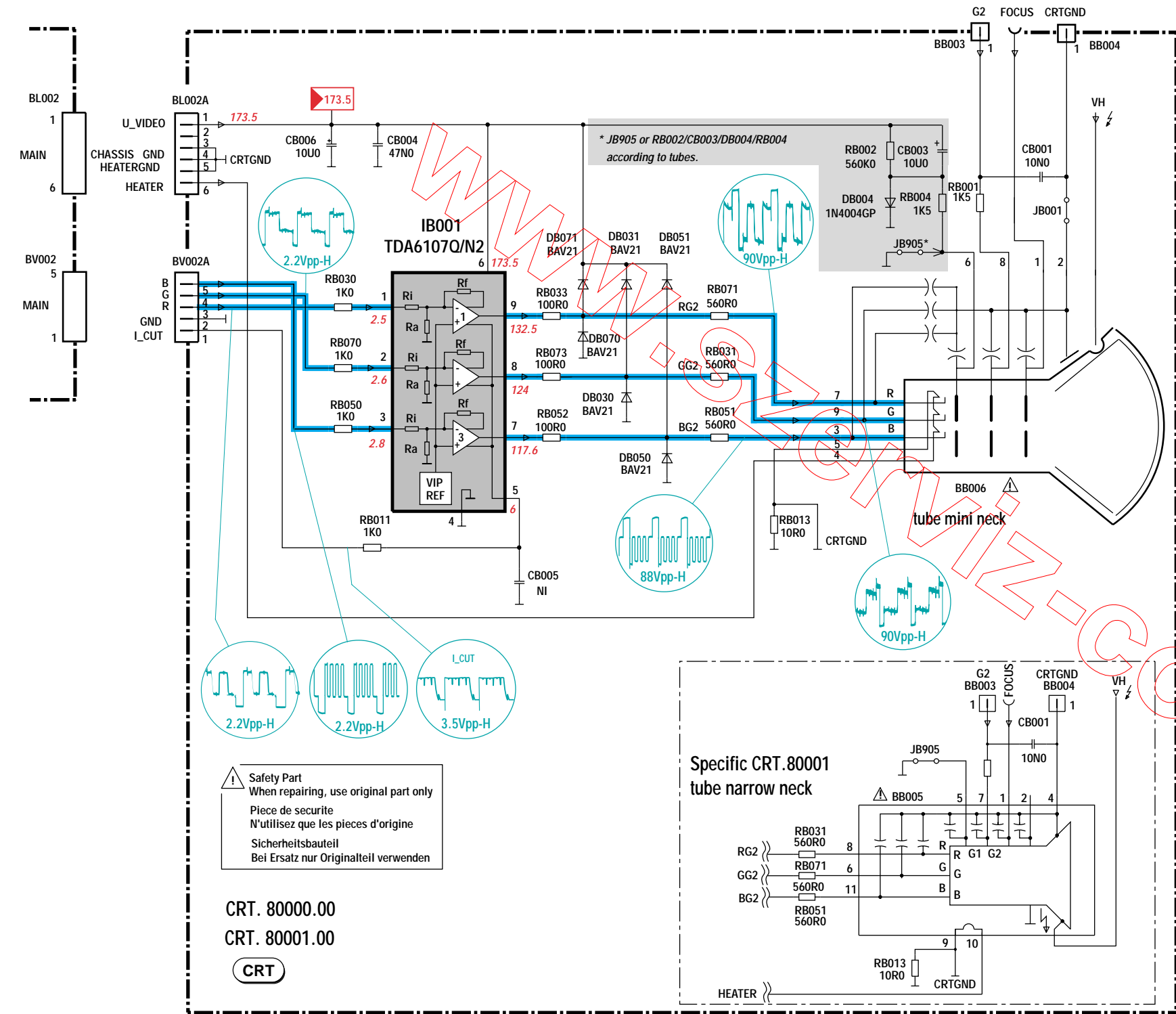
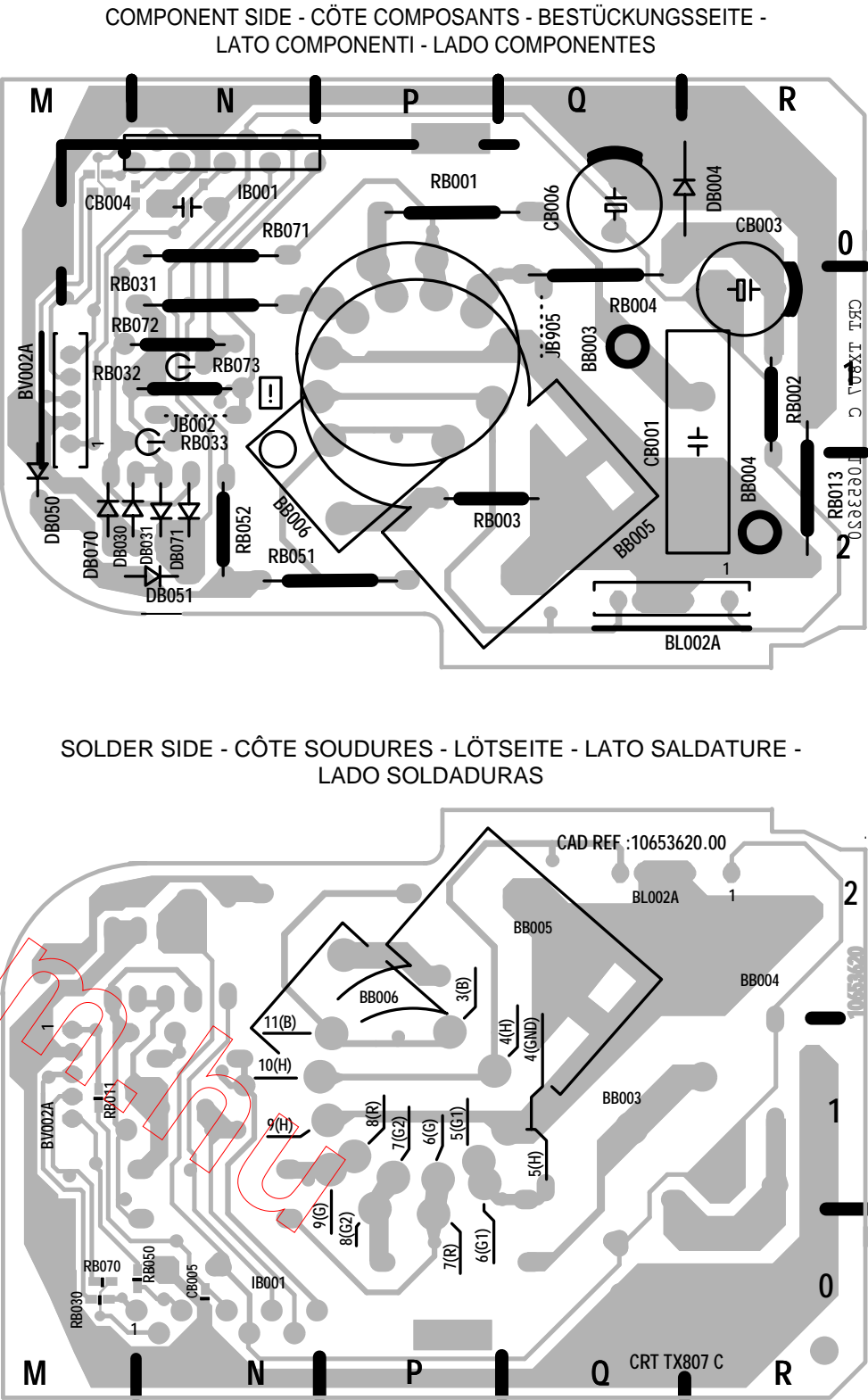
COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA



COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA
TX807 C - Mono

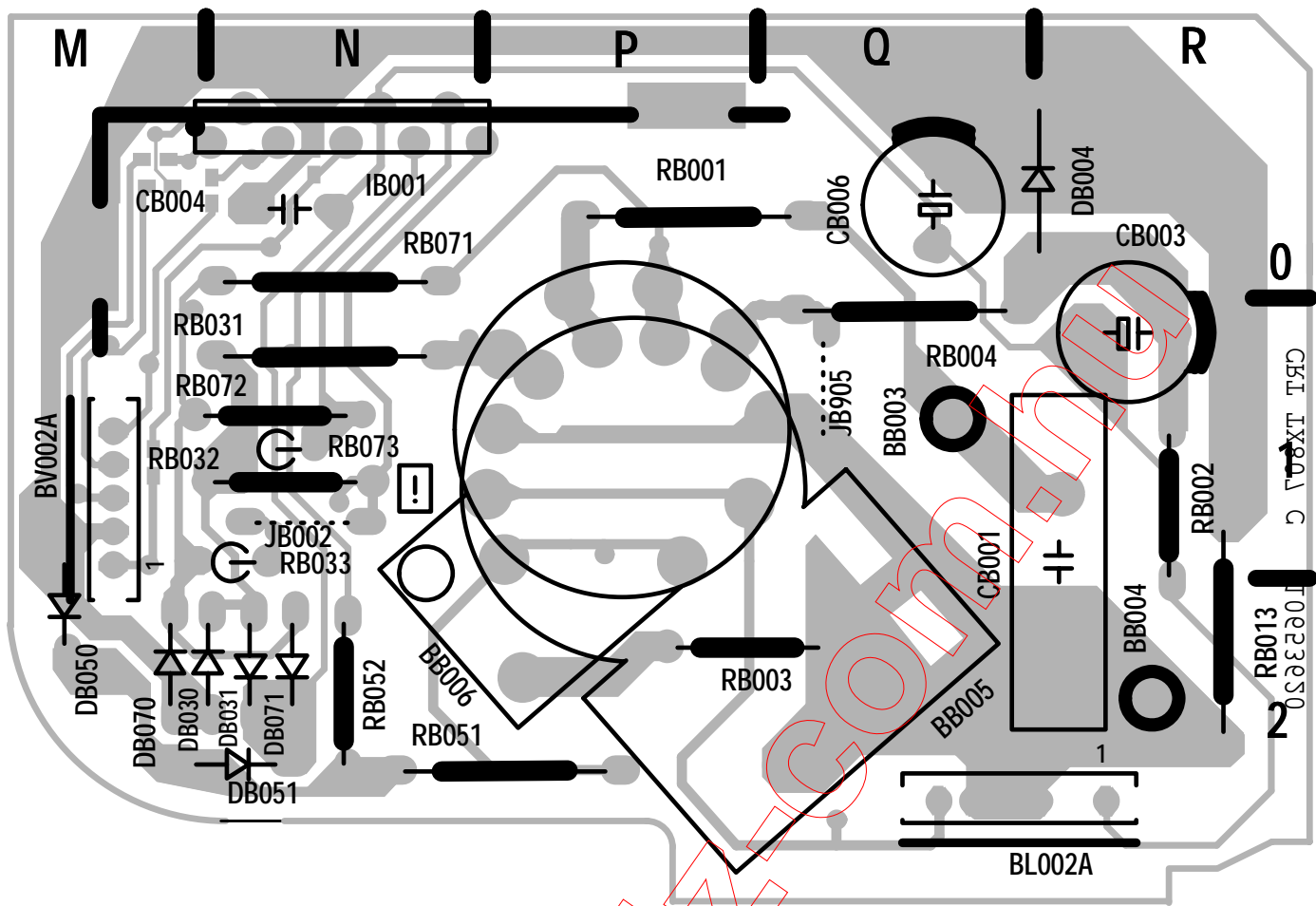


VIDEO AMPLIFIER BOARD - PLATINE AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKERPLATTE - PIASTRA AMPLIFICATORE VIDEO - PLATINA AMPLIFICADOR VIDEO
CRT 80000.00 - CRT 80001.00



VIDEO AMPLIFIER BOARD - PLATINE AMPLIFICATEURS VIDEO -
VIDEOVERSTÄRKERPLATTE - PLATINA AMPLIFICADOR VIDEO -
PIASTRA AMPLIFICATORE VIDEO
CRT 80000.00 - CRT 80001.00

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



SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS

