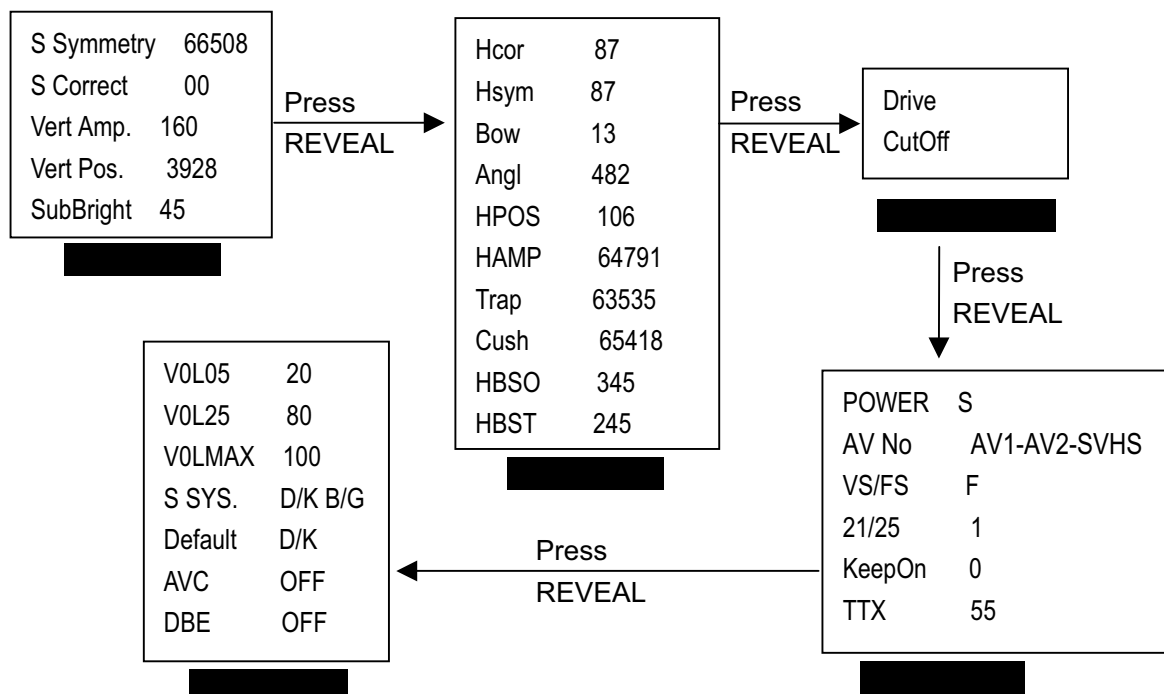


## PART V. Adjusting Description

### 1.VCT383X+TCL M35&36 Chassis software adjustment specification

(M36 SAMPLING MODEL:2959M2 M35 SAMPLING MODEL:2118M1 )

- 1) Adjustment of B+ Voltage
  1. Apply 180~240V to main power input, and Philips Standard Testing Pattern to RF input;
  2. Adjust VR830 in STANDARD mode until voltage (B+) is  $140V \pm 0.5V$  (M36),  $[112V \pm 0.5V$  (M35)]
- 2) Adjustment of AFT
  1. Disconnect IF of tuner;
  2. Apply a 38.9MHz gray scale & color bar signal to the IF input via C110 by PM5418 TDS color TV Pattern generator;
  3. Monitor the DC Voltage at Pin2 of IC101;
  4. Adjust T101 until the voltage at Pin2 of IC101 becomes 2.5V;
  5. It means AFT adjusted well when add/reduce 0.1MHz, <2.5V> the voltage at Pin2 of IC101 is changed obviously.
- 3) Adjustment of AGC
  1. Connect IF of Tuner and IC101;
  2. Apply a 60dB gray scale & color bar signal TV signal from Tuner;
  3. Adjust VR102 to the exactly point that the noise waked up.
- 4) Adjustment of Screen Voltage
  1. Enter the Factory Mode;
  2. Press [CAPS] key, then press [REVEAL] key in three seconds, "Picture One" will display in screen\*:



\* **Key P-, P+:** Choose the Item

**Key V-, V+:** Change/adjust the Value/Mode, or Enter into the Submenu

**Key REVEAL:** Choose the Picture

**Key OK:** Save and Quit Factory Mode

3. Enter into **Cutoff** in "Picture Three", press [P-] to Cathode Current (G2 ) mode menu;
4. Press [PIC] key and then adjust Screen Voltage of FBT until the screen will become a horizontal line.

#### 5) Adjustment of Vertical Parameter

1. Apply a PAL cross & hatch pattern;
2. Enter into "Picture One", adjust the parameters to make the picture in best status;
3. The best status means that the 2nd dark bar(from dark to bright) of 8 level gray scales just can be seen.

#### 6) Adjustment of Horizontal Parameter

##### 1. Adjust PAL status

- a. Apply a Philips Test Pattern / a PAL cross & hatch pattern;
- b. Enter into "Picture Two", adjust the following items to make the picture in best status.

**Hcor Hsym Bow Angl HAMP Trap Cush**

- c. Enter into "Picture Two", adjust the following items to make the picture in best status.

##### **HPOS**

- ① Apply RGB color bar pattern by 54200 Pattern generator via SCART COIL;
- ② Enter into **HPOS** in "Picture Two";
- ③ Press [V+]/[V-] to adjust the RGB and CVBS position to make the halftone picture overlap the screen picture.;
- ④ Press [P+] into RGB hor.pos.
- ⑤ Press [V+]/[V-] to make picture in best position.
- ⑥ Press [OK] to save and quit.

- d. Enter into "Picture Two", adjust the following items to make the picture in best status.

##### **HBSO HBST**

**[ANNT: HBSO 345 <Horizon Blank Stop> HBST 245 <Horizon Blank Start>**

Please apply a Blue Signal to adjust these two items. But generally it is unnecessary to adjust.]

##### 2. Adjust NTSC status

- a. Apply a Philips Test Pattern / a NTSC cross & hatch pattern;
- b. Repeat Step a. b. c. d. to adjust NTSC status.

#### 7) Factory Manu Setting

1. Press [CAPS] key, then press [REVEAL] key Enter into "Picture Four"

The item in "Picture Four"		Detail Description
<b>POWER</b>	<b>S</b>	O: Skip Standby when Power On
		S: Standby On when Power On
<b>AV No</b>	<b>AV1-AV2-SVHS</b>	AV1-AV2
		SCART-AV2
		SCART-AV2-SVHS
		SCART
		AV1-AV2-SVHS
<b>VS/FS</b>	<b>F</b>	V: VS TUNER
		F: FS TUNER
<b>21/25</b>	<b>1</b>	1: 21" and below 21"
		5: 25" and above 25"
<b>KeepOn</b>	<b>0</b>	0: Blue Background when no signal, and auto standby if no signal in 15 minutes
		1: Noise Background

TTX	55	55 70 6 48 40	Choose different area/countries ( the code please see appendix)
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## Appendix Teletext Selection

6	38	40	55	70
English	Polish	English	English	English
French	French	French	French	Slovakian
Swedish	Swedish	Swedish	Swedish	Hungarian
Czech	Czech	Czech	Turkish	Serbian
German	German	German	German	Albanian
Spanish	Serbian	Spanish	Spanish	Polish
Italian	Italian	Italian	Italian	Turkish
Estonian	Estonian	Estonian	Estonian	Rumanian

## 2. Sound Adjustment

a. Enter into "Picture Five";

b.

VOL01	55(min10)	}	Adjust Sound Curve ( Base on standard or customers' requirement )
VOL25	98		
VOLMAX	118(max127)		
S SYS.	D/K B/G	→	D/K I ; B/G I ; D/K B/G; *
Default	D/K	→	D/K;I; B/G;I ; D/K;B/G;
AVC	OFF	→	On : Auto Volume Control ON Off : Auto Volume Control OFF
DBE	OFF **		

Remark: \* Sound System is auto and unnecessary to setup, when there is MSP 3415G(3465G) IC.

\*\* Only for MSP3463

## Adjustment of White Balance.

a. Enter into "Picture Three";

b.

Drive →	Drive ref:	128(H)	128(G)	128(B)
	Controlled:	800	800	800
	Measured:	128	128	128
CutOff →	Cutoff ref:	128(H)	128(G)	128(B)
	Controlled:	130	130	130
	Measured:	128	128	128

## 8) Others

## 1. Adjustment of Anode Current

a. Enter into **S Symmetry** in "Picture One"b. Press [P+] to choose **NVM**

- c. Press [V-] to make the Address=184
  - d. Press [Color sys (-)] or [Display (+)] to adjust the Data.  
Initial data=60
- 2. Adjustment of Deleting Anode Voltage
  - a. Enter into **S Symmetry** in "Picture One";
  - b. Press [P+] to choose **NVM**
  - c. Press [V-] to make the Address=492
  - d. Press [Color sys (-)] or [Display (+)] to adjust the Data.  
Initial data=200
- C. Adjustment of OSD brightness
  - a. Enter into **S Symmetry** in "Picture One" ;
  - b. Press [P+] to choose **NVM**;
  - c. Press [V-] to make the Address=209
  - d. Press [Color sys (-)] or [Display (+)] to adjust the Data.
- D. Adjustment of OSD transparent;
  - a. Enter into **S Symmetry** in "Picture One";
  - b. Press [P+] to choose **NVM**;
  - c. Press [V-] to make the Address=14;
  - d. Press [Color sys (-)] or [Display (+)] to adjust the Data.  
But generally it is unnecessary to adjust the item.