

Operation Instructions

TIMERS

TIME	
CLOCK	--:--
ON TIME	--:--
ON PROG	1
OFF TIME	--:--
SLEEP TIMER	20
REMIND TIME	--:--
REMIND PROG	1

1.CLOCK

Press PROG +/- buttons or $\uparrow$ (GREEN) / $\downarrow$ (BLUE) buttons to select hour or Minute.

Press VOL +/- buttons or +(RED) / -(YELLOW) buttons to adjust CLOCK Time.

You can press CLOCK buttons to display current clock time.

2.ON TIME

Press PROG +/- buttons or $\uparrow$ (GREEN) / $\downarrow$ (BLUE) buttons to select hours Or minute.

Press Vol +/- buttons +(RED) / -(YELLOW) buttons to adjust ON TIME.

3.ON PROG.

Press VOL+ or +(RED) buttons to select ON PROGRAM.

4.OFF TIMER

Press PROG +/- buttons or $\uparrow$ (GREEN) / $\downarrow$ (BLUE) buttons to select hour or Minute.

Press VOL +/- buttons or +(RED) / -(YELLOW) buttons to adjust REMIND time.

5.SLEEP TIMER

Press VOL +/- buttons or +(RED) / -(YELLOW) buttons to set SLEEP TIME.

6.REMINDER TIMER

Press PROG +/- buttons or $\uparrow$ (GREEN) / $\downarrow$ (BLUE) buttons to select hour or minute.

Press VOL +/- buttons or +(RED) / -(YELLOW) buttons to adjust REMIND TIME.

7.REMIND PROG

Press VOL +/- buttons or +(RED) / -(YELLOW) buttons to select REMIND PROGRAM.

* Timer function will be reset when you switch off the TV set by the main power switch or unplugged, And which will be working normally when you are switch off the TV set by remote control.

Operation Instructions

SETUP Button

SETUP	
LANGUAGE	ENGLISH
BACK GROUND	ON
NOISE REDUCE	OFF
CHILD LOCK	OFF
CALENDAR	

You can select the item by press PROG+/- buttons or (GREEN)/ (BLUE) Buttons.

then you can adjust it press Vol+/- buttons or +(RED)/-(YELLOW) buttons.

1.LANGUAGE

You can select



2.BACK GROUND

Press VOL +/- buttons or +(RED) / -(YELLOW) buttons to select it ON or OFF ,For BACKGROUND when no signal is input at TV mode.

3.NOISE REDUCE

Press VOL +/- buttons or +(RED) / -(YELLOW) buttons to select it ON or OFF , for Noise REDUCE at TV mode.

4.CHILD LOCK

Press VOL +/- buttons or +(RED) / -(YELLOW) buttons to select it ON or OFF.

If you it set it ON,the key on the TV keyboard is disable and only the remote control can be used.

5.CALENDAR

Press VOL +/- buttons or +(RED) / -(YELLOW) buttons to enter CALENDAR menu.

CALENDAR

Y:2002			M:12			D:12		
S	M	T	W	T	F	S		
1	2	3	4	5	6	7		
8	9	10	11	12	13	14		
15	16	17	18	19	20	21		
22	23	24	25	26	27	28		
29	30	31						

1.Press PROG+/- buttons or +(RED) / -(YELLOW) buttons to select YEAR,MONTH or DATA.

2.Press VOL +/- buttons or +(GREEN) / -(BLUE) buttons to adjust YEAR,MONTH or DATA.

3.Press MENU Button to return.

*Calendar setting will be reset when you are switch off the TV set by main power switch or unplugged,And which will be working normally when you are switch off the TV set by remote control.

Operation Instructions

TUNE MENU

TUNE	
CONLOUR SYS	AUTO
SOUND SYS	M
BAND	VHF-L
SKIP	OFF
PROGRAM	2
SEARCH	
FINE TUNE	
AUTO SEARCH	

You can select the item by press the PROG +/- buttons or the (GREEN) / (BLUE) buttons.

1.COLOUR SYS

Press VOL +/- buttons or +(RED) / -(YELLOW) buttons to set the colour system.

►AUTO—PAL—NTSC—NTSC443—SECAM◀

2.SOUND SYS

Press VOL +/- buttons or +(RED) / -(YELLOW) buttons to set the sound system.

►I—M—DK—BG◀

3.BAND

Press VOL +/- buttons or +(RED) / -(YELLOW) buttons. You can select the Band VHF-L,VHF-H or UHF.

►VHF-L-----VHF-H-----UHF◀

4.SKIP

Press VOL +/- buttons or +(RED) / -(YELLOW) buttons to set skip on or off,when you set skip on,this program will auto hided.

5.PROGRAM

Press VOL +/- buttons or +(RED) / -(YELLOW) buttons to set the PROGRAM number.

6.FINE TUNE

Press VOL +/- buttons or +(RED) / -(YELLOW) buttons can fine tune the current program forward or backward for better quality.

7.SEARCH

Press VOL +/- buttons or +(RED) / -(YELLOW) buttons to search for next or previous available program,the set will auto stop white the signal is received.

8.AUTO SEARCH

Press VOL +/- buttons or +(RED) / -(YELLOW) buttons,the TV set will auto Search in 3 bands and store every program.

*In AV mode,this item will display only COLOUR SYS.

*After fine tune. the program number colour will be change from GREEN to YELLOW.

EXCHANGE MENU

EXCHANGE	
PROGRAM	1
PROGRAM	1
EXCHANGE	

In AV mode ,this item will not displayed.

1.Select the item by press the PROG +/- buttons or the (GREEN) / (BLUE) buttons.

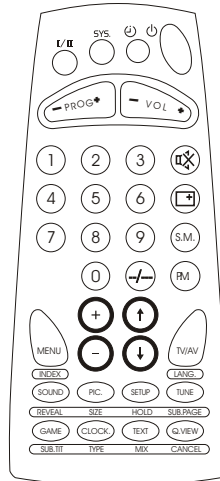
2.Press VOL +/- buttons or +(RED) / -(YELLOW) buttons to select PROGRAM 1.

3.Press VOL +/- buttons or +(RED) / -(YELLOW) buttons to select PROGRAM 2.

4.Press VOL +/- buttons or +(RED) / -(YELLOW) buttons to select EXCHANGE PROGRAM 1 and PROGRAM 2.

Operation Instructions

LOCATION OF CONTROL (REMOTE HANDSET UNIT)



POWER (STAND BY) BUTTON ()

Press this button to turn the TV on/off. Press any Number Button or Program Up/Down Button, picture and sound will come on within a few seconds.

SLEEP BUTTON

Press it on display and set the sleep timer in 10 minutes step up to three hours. When the preset time runs To 0, the TV set will go into stand by mode.

*If no program received,the TV set will switch to stand by auto after 5 minutes.

SOUND SYSTEM BUTTON (SYS.)

When the sound system is incorrect,Press this button to select the correct sound system.

STEREO/MONO DUAL I/II BUTTON(I/II)(OPTION)

The third line on the top right corner of the screen automatically changes to green when a NICAM broadcast is received.

As stereo program is received.You can select STEREO.MONO.or FM by pressing the ST/MO/I/II button.

As bilingual program is received.You can select DUAL-1,DUAL-2 or FM by pressing the ST/MO/I/II button.

Remark: FM:Standard mode STEREO:Stereo mode MONO:Monomode

DUAL-1:multi soundchannel for language 1 DUAL-2:multisound channel for language2

PROGRAM UP/DOWN BUTTON (PROG +/-)

Press the Program Up Button to select the program forwards.

Press the Program Down Button to select the program backwards.

(Use this button for Page Up/Down to increase/decrease page number in TELETEXT mode.)

Operation Instructions

LOCATION OF CONTROL (REMOTE HANDSET UNIT)

VOLUME UP/DOWN BUTTONS (VOL +/-)

Press Volume Up/Down Buttons to adjust sound level.

PROGRAM SELECTION BUTTONS(0-9)

Push the number for your desired program and the program indicator will be displayed on the screen.

Press number key 0-199 for program selection.

Press the number keys to select teletext pages in teletext mode.

MUTE BUTTON()

Press once to mute the sound,press again to return to previously set sound level.MENU RECALL BUTTON.

MENU RECALL BUTTON()

Press this button sequential to recall for the program number,system, logo etc on the screen..

SOUND MODE BUTTON(S.M.)

Press this button to select the desired sound mode,USER.SPEECH.MUSIC and THEATER can be selected cyclically.

PICTURE MODE BUTTON(P.M.)

Press this button to select the desired picture mode,RICH.USER.SOFT and STANDARD can be selected cyclically.

DIGIT BUTTON(--/---)

Press this button to select program between 0-199 program.

For example,If you want to access program 8,press "8" key only,If you want to access program 88,you should press this "--/---" button title the screen display "-",then press"8" "8"key,the TV set will switch to program 88;If you want to access program 188,you should press this-/ button title the screen display"--",Then press"1" "8" "8"key,the TV set will switch to program 188.

COLOUR BUTTONS(RED/YELLOW/GREEN/BLUE)

In TV mode, the (GREEN)/ (BLUE) buttons is used as PROG +/- buttons;the+ (RED)/-(YELLOW) buttons is used as VOL +/- buttons.

In TELETEXT mode,press these colour buttons,the teletext will switch to the same colour page number which is on button of the screen.

*All of the sound mode"SPEECH,MUSIC, THEATER" or picture mode "RICH,SOFT , STANDARD" are fix by factory,all off the change of those setting will be save to the"USER"mode automatically.

Operation Instructions

LOCATION OF CONTROL (REMOTE HANDSET UNIT)(TELETEXT OPTION)

MENU BUTTON(MENU/INEXD)

In TV mode is used as a MENU command; in TELETEXT mode is used as a INDEX key.

MENU: To use MENU button for the turning procedure, please refer to page 7-10 for the details.

INDEX: Press INDEX button to obtain the index page.

AV MODE BUTTON (AV/LANG.)

In TV mode is used as a AV command; in TELETEXT mode is used as a LANG. key.

AV: Press this button to display external video signal such as VCR or CD video player.

LANG. : Press this button to switch the teletext LANGUAGE such as English or Russian.

SOUND MENU BUTTON(SOUND/ RECALL)

In TV mode used as a SOUND menu command; In TELETEXT mode is used as a REVEAL key.

SOUND: Press this button to enter into the SOUND menu directly.

RECALL : Sometimes the answers of quizzes, jokes etc are hidden. Press REVEAL button to reveal the hidden information.

PICTURE MENU BUTTON(PIC./SIZE)

In TV mode used as a PICTURE menu command; in TELETEXT mode is used as a SIZE key.

PIC.: Press this button to enter into the PICTURE menu directly.

SIZE: The top or bottom half of any page can be enlarged by pressing this button.

SETUP MENU BUTTON(SETUP/HOLD)

In TV mode is used as a SETUP menu command; In TELETEXT mode is used as a HOLD key.

SETUP: Press SETUP button to enter into the setup menu directly.

HOLD: Sub-pages will scroll automatically. Press HOLD button a hold a sub-page. To release the page. press HOLD again.

TUNE MENU BUTTON(TUNE/SUB.PAGE)

In TV mode used as a TUNE menu command; In TELETEXT mode is used as a SUB.PAGE key.

TUNE: Press this button to enter into the TUNE menu directly.

SUB.PAGE: Some pages attach sub-page, Page number may contain several subpages which are automatically paged in a certain cycle by the TV station. Press this button once. 0001 will be displayed on screen, enter number key (0-9) to look for other sub-pages if available. If there is no sub-page, **** will be displayed. To cancel this, press this button again.

GAME BUTTON(GAME/SUB.TITLE)

In TV mode used as a GAME command; In TELETEXT mode is used as a SUB.TITLE key.

GAME: You can play the game on TV. PROG- its used for speed up, PROG+ is used for transform. VOL- is

Used for shift left, VOL+ is used for shift right.

SUB.TITLE: Press SUB.TITLE button to view the sub-titles.

CLOCK BUTTON(CLOCK/TYPE)

In TV mode used as a CLOCK command; In TELETEXT mode is used as a TYPE key.

CLOCK: Display the time on the top right corner of the screen.

TYPE: Press this button to switch the teletext TYPE such as west/east type.

TEXT/BUTON(ON/MIX/OFF)

Press this button to display TELETEXT signal, mix TELETEXT page with TV signal and return to TV.

Note: To avoid mixing of External R.G.B while viewing Teletext. Disconnect scart plug or switch off external R.G.B Source.

Operation Instructions

LOCATION OF CONTROL (REMOTE HANDSET UNIT)(TELETEXT OPTION)

Q.VIEW BUTTON(Q.VIEW/CANCEL)

In TV mode used as a Q.VIEW command; In TELETEXT mode is used as a CANCEL key.

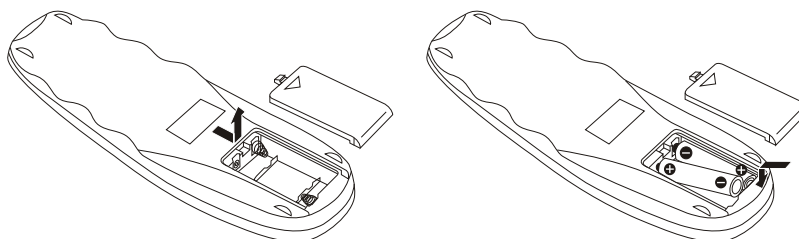
Q.VIEW: Press this button to return to the previously viewed program.

CANCEL: If you want to watch TV but not cancel the TELETEXT mode completely. Press the CANCEL button. When the last selected page is updated, the page number will be appeared at the top of the TV screen. Press the CANNEL button again to reveal the page.

Operation Instructions

BATTERY INSTALLATION (REMOTE CONTROL UNIT)

1. Remove the battery cover.
2. Insert the 2 UM3-AA 1.5V batteries making sure the polarity (+ or -) of the batteries matches the polarity marks inside the unit.
3. Replace the battery cover.
Replace with new batteries when the TV set begins to show the following symptoms:
Operation is unsteady or erratic. Sometimes the TV set does not function with Remote Control Unit.



Remark:

- 1) Alkaline Batterie Recommended
- 2) Remove batteries when they are exhausted or if the remote control is not to be used for a long time.

THE CAUSES OF INTERFERENCE

Incorporated in your TV receiver are the most up-to-date devices to eliminate interference. Local radiation however, can create disturbances which visibly affect your picture. Proper installation, a good aerial are your best safe-guards against these disturbances.

RF INTERFERENCE

Moving ripples across the screen are caused by nearby transmitting or receiving-short-wave radio equipment.

DIATHERMY

Herringbone pattern and partial picture loss can result from the operation of diathermy equipment from a nearby doctor's surgery or hospital.

SNOW

Weak TV signals from long distant stations result in an instead picture and give the effect of falling snow. An antenna adjustment or antenna amplifier may be needed.

GHOST

Multiple image caused by TV signals reflected back from surrounding buildings, hills, aircraft, etc. is minimized by correct aerial positioning.

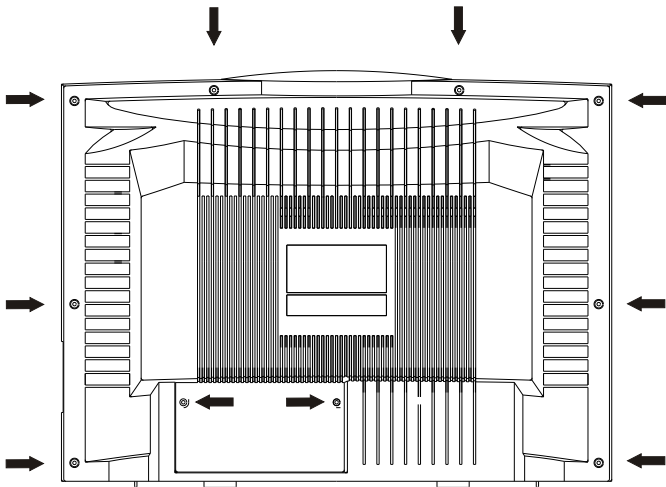
CAR IGNITION

Nearby cars and electrical motors can cause small streaks across the picture or make the picture roll.

Mechanical Disassemblies

CABINET BACK REMOVAL

1. Refer to Figure 1, remove 10 screws.
2. Pull off cabinet back and remove.



CHASSIS REMOVAL

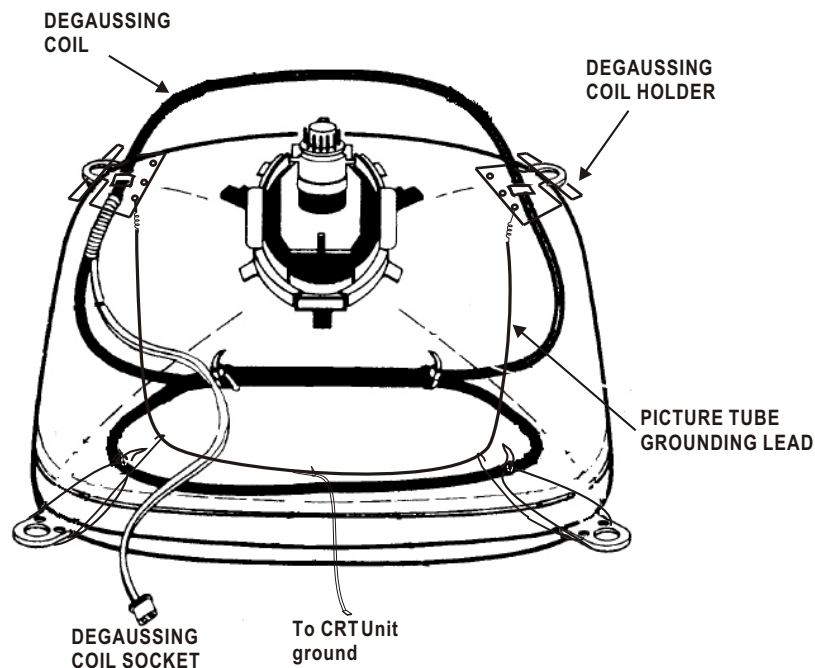
1. Remove cabinet back.
2. Discharge the picture tube anode (2nd anode lead) to the dag coating (picture tube grounding lead).
3. Disconnect Degaussing coil socket (KE), Picture tube socket, Deflection yoke connector (KDY), Speaker connectors (KL and KR), and 2nd anode lead.
4. Remove chassis completely by sliding it straight back.

PICTURE TUBE REMOVAL

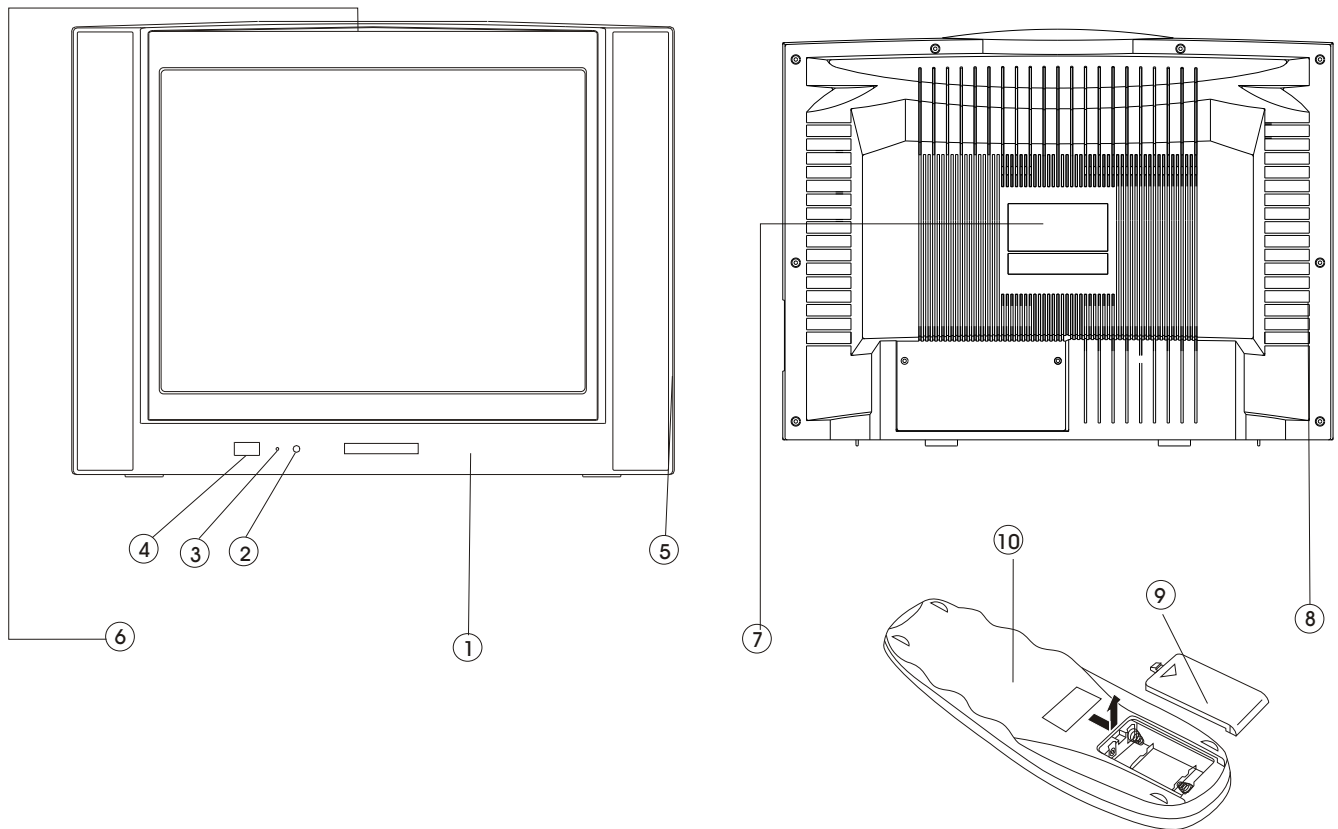
CAUTION: Do not disturb the deflection yoke or magnet assembly on the picture tube Neck. Care must be taken to keep these assemblies intact, unless picture tube is being replaced. Discharge the picture tube to the coating before handling the Tube.

1. Remove chassis, referring to Chassis Removal instructions.
2. Place cabinet front face down on the soft surface.
3. Remove the screw on each corner of the picture tube and GENTLY lift the picture tube out of the cabinet.
4. Install a replacement picture tube in reverse order. Properly install the degaussing coil and picture tube grounding lead on the picture tube. See Figure 2.

Note: If the Picture Tube is being replaced, mount the Degaussing Coil on the picture tube. See following..

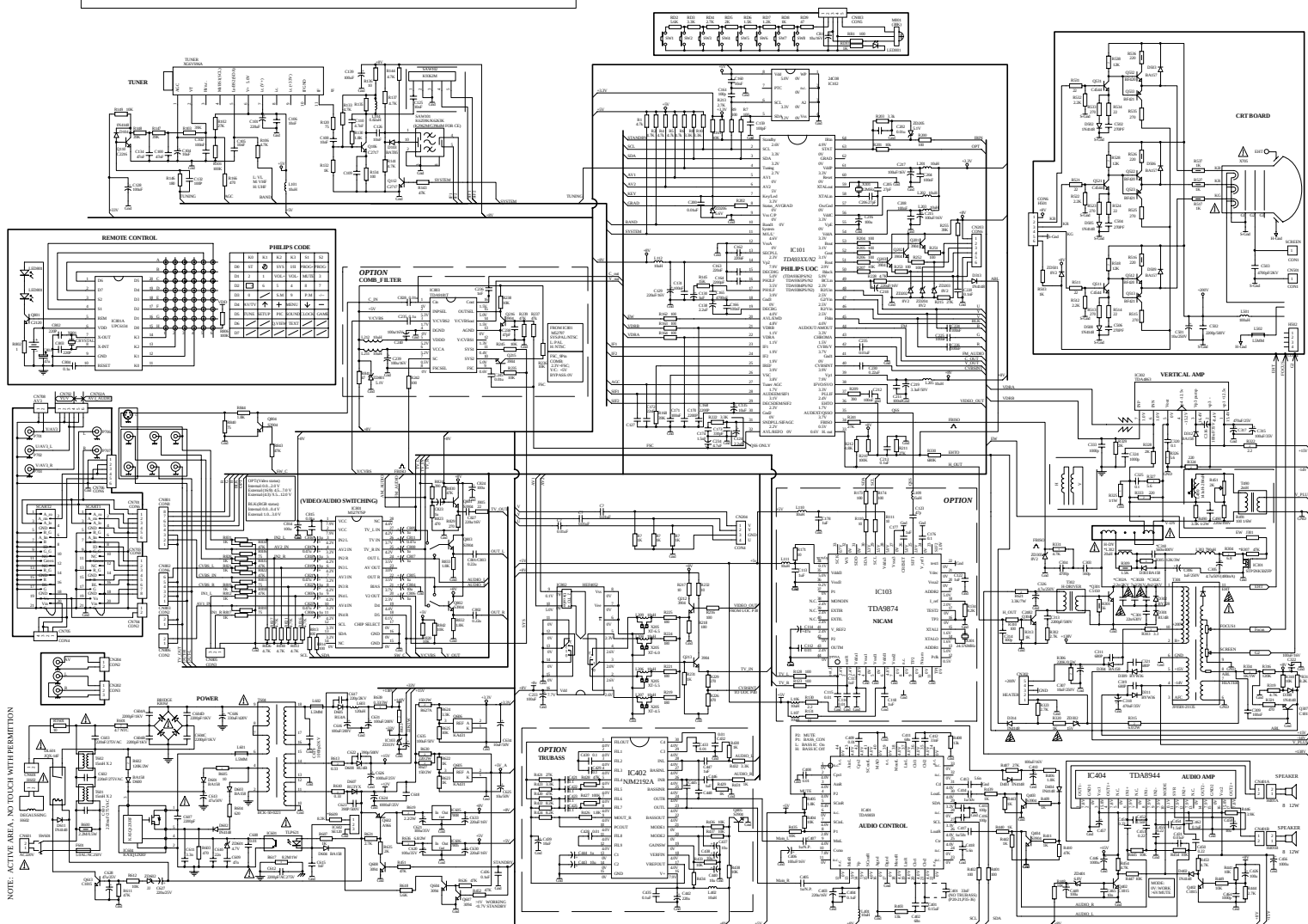


Cabinet Parts List



Key No.	PartNo.	Description
1	SKCM 0025TM0110	CABINET COLOUR MATCH-METAL SILVER GREY #MS G001
2	SK100729TM0001	FRONTLENS (REMOTE CONTROL WINDOW)
3	SK100729TM0001	FRONTLENS (LED WINDOW)
4	SK100925TM0001	POWER KNOB-ELECTROPLATING SILVER (ABS)
5	SK100425TM0002	SIDE AV JACK BRACKET-DARK GREY #DG001 (ABS)
6	SK100829TM0001	CONTROL KEY KNOB-ELECTROPLATING SILVER (ABS)
7	SK060125TM00W6	BACK LABEL FISHER TF25M2T W/PCB ENG
8	SK100225TM0003	BACK CABINET-DARK GREY #DG001 (HIPS) 94V-0
9	SK1016HS080006	BATTERY DOOR-METAL SILVER GREY #MSG001 (ABS)
10	SKHS08S0360600	HANDSET-36 KEYS FOR OVERSEAS NORMAL GREY ENG (5N11)

5P60 SCHEMATIC DIAGRAM

[illegible]

NOTE:
(1) ALL RESISTORS ARE IN OHM/ALL COILS ARE IN H.
(2) ALL THE CRYSTALS ARE IN Hz.
(3) THE AREA ENCLOSED BY --- IS LIVE AREA AND DIRECTLY CONNECTED TO MAIN VOLTAGE.
(4) THE DEVICE WITH * ARE SAFETY CRITICAL DEVICES.
(5) THE DEVICE WITH * ARE SUBJECT TO CHANGE OR OMIT ACCORDING TO DIFFERENT TV SETS.
(6) THE AREA ENCLOSED BY ... IS OPTIONAL.
(7) THE CIRCUIT IS SUBJECT TO CHANGE WITHOUT NOTICE.
(8) All components with sign * are FDA critical components.

TITLE :	5P60 SCHEMATIC DIAGRAM
P/N :	0502-D29031-04
SYSTEM :	PAL/SECAM/NTSC BG/DM/UM NICAM/TELETEXT/TRU/BS/COMB 2 SCART/YUV/S_VIDEO/AV_IN/OUT
ISSUED BY :	
CHECKED BY :	
APPROVED BY :	
REV DATA :	2003-12-1