

AT3203

Service Guide

Service guide files and updates are available on the ACER/CSD web. For more information, please refer to <http://csd.acer.com.tw>

Revision History

Please refer to the table below for the updates of LCD TV AT3203 service guide.

Date	Chapter	Updates

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Conventions

The following conventions are used in this manual:

SCREEN MESSAGES	Denotes actual messages that appear on screen.
NOTE	Gives bits and pieces of additional information related to the current topic.
WARNING	Alerts you to any damage that might result from doing or not doing specific actions.
CAUTION	Gives precautionary measures to avoid possible hardware or software problems.
IMPORTANT	Reminds you to do specific actions relevant to the accomplishment of procedures.

Preface

Before using this information and the product it supports, please read the following general information.

1. This Service Guide provides you with all technical information relating to the BASIC CONFIGURATION decided for Acer's "global" product offering. To better fit local market requirements and enhance product competitiveness, your regional office MAY have decided to extend the functionality of a machine (e.g. add-on card, modem, or extra memory capability). These LOCALIZED FEATURES will NOT be covered in this generic service guide. In such cases, please contact your regional offices or the responsible personnel/channel to provide you with further technical details.
2. Please note WHEN ORDERING FRU PARTS, you should check the most up-to-date information available on your regional web or channel. For whatever reason, if a part number change is made, it will not be noted in the printed Service Guide. For ACER-AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code to those given in the FRU list of this printed Service Guide. You MUST use the list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

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System Specifications

Features

LCD Panel

- Max. resolution: 1366 x 768
- 16 CCFTs backlight system
- Display area: 32 inches diagonal
- Display color: 16.7 M colors
- Input signal: 1-ch LVDS
- Contrast ratio: 800:1 (typical)
- Brightness: 500 Cd/m² (typical)
- Respond time: AU 16 ms; QDI 21 ms
- Viewing angle: 85° (L) / 85° (R), 85° (U) / 85° (D)

I/O functions

- RCA jack (YUV and CVBS) for YPbPr, YCbCr, video and audio
- 15-pin D-Sub for VGA
- DIN45325 (IEC169-2) terminal for TV / CATV input
- 3.5 mm earphone jack for audio line input

Video functions

- Support PAL / NTSC / SECAM video format
- Support 480i/576i, 480p/576p, 1080i and 720p format
- Built-in teletext functions
- Built-in dynamic adaptive smoothing filter
- Built-in dynamic temporal frame-filtering noise reduction
- Built-in dynamic motion and edge adaptive de-interlacing
- Film mode 3:2 & 2:2 pull down
- Screen display model 16:9 / 4:3 / panorama / zoom / PIP / POP

Mechanical

- VESA mounting holes

Multi-Sound System

- NICAM
- FM Stereo (A2)

Power Source

- Input voltage: 90 ~ 264V, 47 ~ 63Hz
- Input current: 1.8A
- Power consumption: 180W
- Stand-by: 5W max.

Remote Controller

- Multi-function remote controller

Speaker

- Internal speaker: 10W x 2 stereo, adjustable volume

Environmental Requirement

- Operating temperature: 0 °C to 35 °C
- Operating humidity: 10% to 90% (non-condensing)
- Storage temperature: -20 °C to 60 °C
- Shipping temperature: -20 °C to 60 °C
- Storage humidity: 10% to 90% (non-condensing)
- Shipping humidity: 10% to 90% (non-condensing)

Others

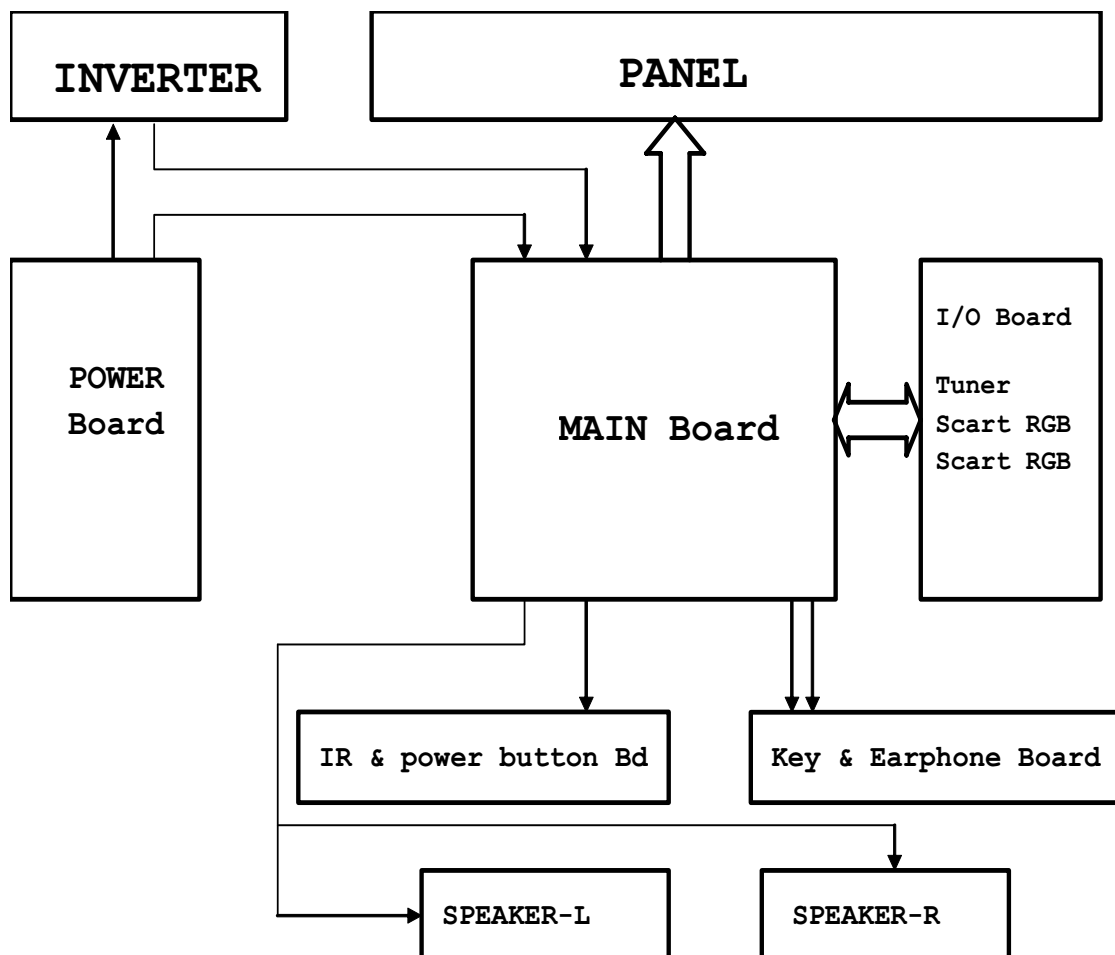
- On screen display adjustment function
- ISP (In System Programming) function available for revising driver easily

Product Specification

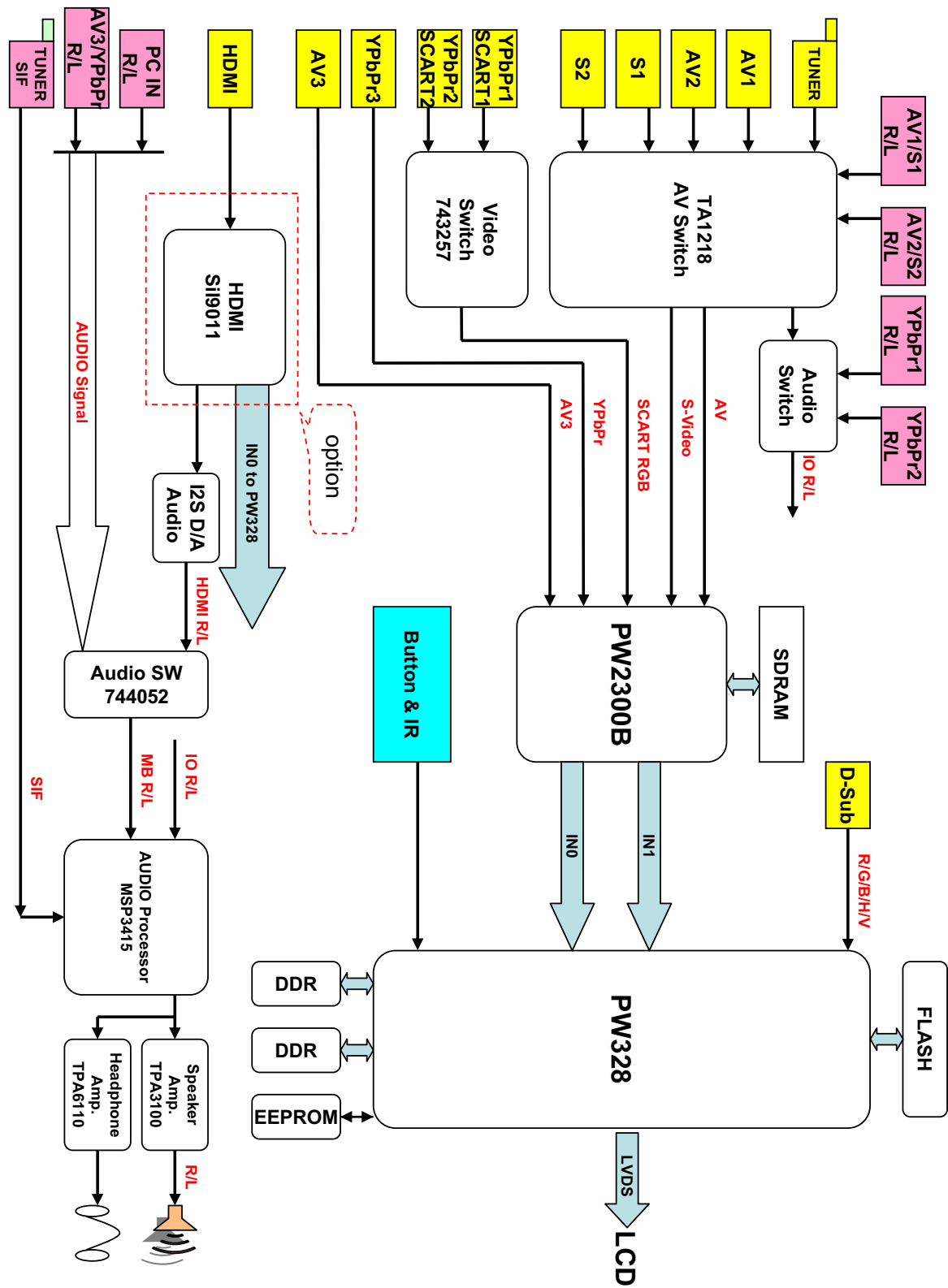
Model	AT3203
Panel spec.	
Resolution (pixels)	1366 x 768
Brightness (tpe.)	500 nits
Contrast Ratio (tpe.)	600:1
Display color	16.7M
Viewing angle (tpe.)	H: 170°; V: 170°
Response (tpe.)	16ms (gray to gray)
Power supply	
Input	90V ~ 264V AC (47 ~ 63Hz)
Max. power consumption	150W
Power saving	5W
Mechanical	
Dimensions (W x H x D mm)	854 x 527 x 207
Weight (Kg/lbs)	15.5/34.2
Gross Weight (Kg/lbs)	16.6/36.4
Wall Mounting (mm)	200 x 100
Analog TV system	
TV color system	PAL, SECAM
Sound system	B/G/D/K/L (multi-European)
Stereo system	NICAM/A2
TV Tuner system	PLL, 45.25MHz ~ 862.25MHz
Subtitles	Teletext 1.5
Analog TV-tuner quantity	One
Terminal	
Analog Tuner In	Yes
SCART1	CVBS (In/Out), RGB (In), AudioR/L
SCART2	CVBS (In/Out), RGB (In), AudioR/L
AV3 in	YPbPr, YCbCr, CVBS, AudioR/L
PC D-sub in	Yes
PC audio-in	Yes
Audio system	
Speaker	5W + 5W

Block Diagram

System Block & Wiring Diagram



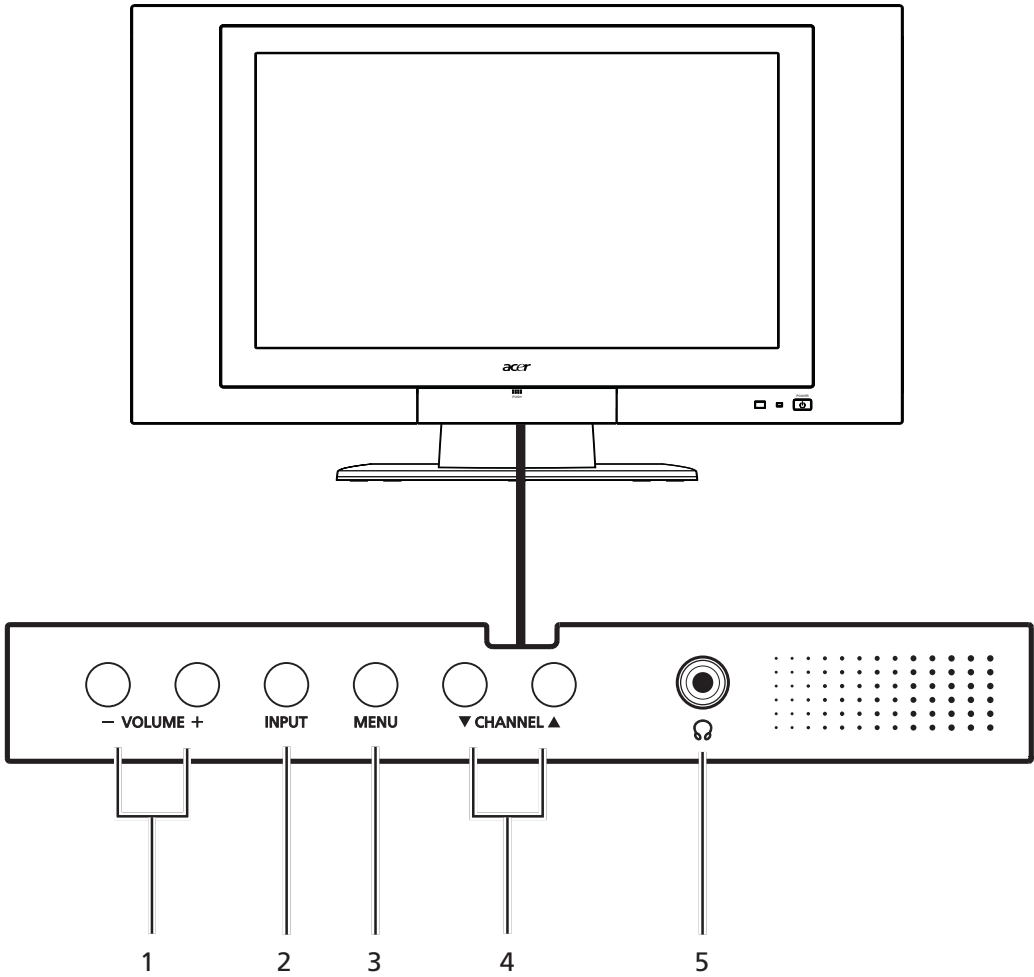
Block Diagram



LCD TV Overview

Front Panel View

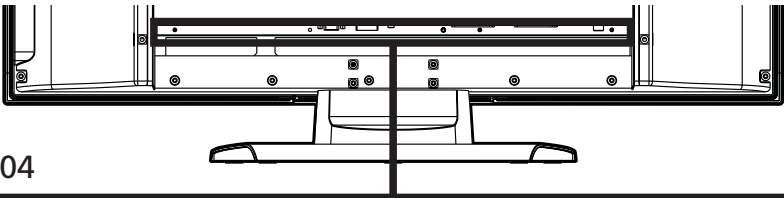
No.	Description
1	Volume up/down
2	Input key
3	Menu key
4	Channel up/down
5	Headphone jack



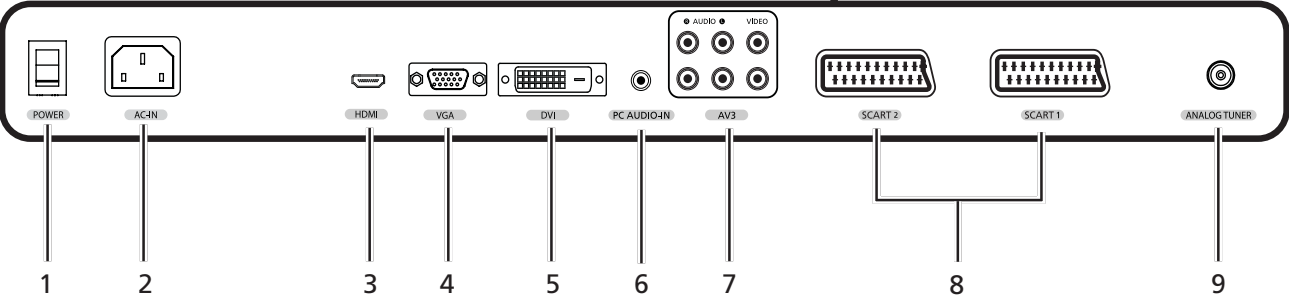
1	Volume up	When the OSD is on, functions the same as the Right arrow.
	Volume down	When the OSD is on, functions the same as the Left arrow.
2	Input key	When the OSD is on, press this button to confirm selection.
3	Menu key	Turns the OSD menu On and Off
4	Channel up	When the OSD is on, functions the same as the Up arrow.
	Channel down	When the OSD is on, functions the same as the down arrow.

Bottom Panel View

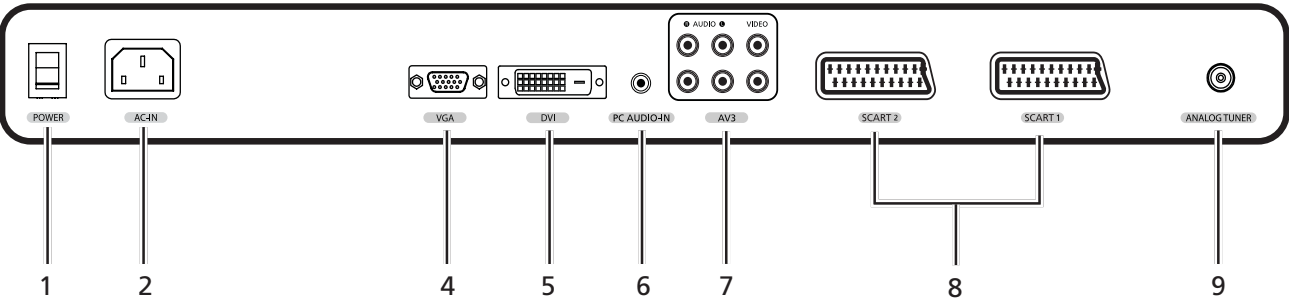
No.	Description	Note
1	Power switch	For AV3, Composite and component inputs share the same audio ports. * HDMI only for AT2604/AT2704/AT3204/AT3704 ** DVI only for AT2603/AT2604/AT2703/AT2704/AT3204/AT3704
2	AC-in	
3	*HDMI-in	
4	VGA-in	
5	**DVI-in	
6	Audio-in	
7	AV-in	
8	SCART x 2	
9	Analog antenna-in	



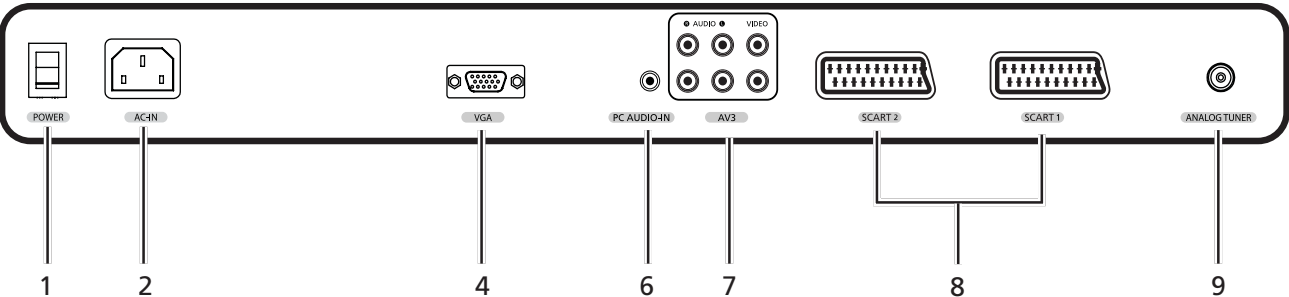
AT3704/AT3204/AT2704/AT2604



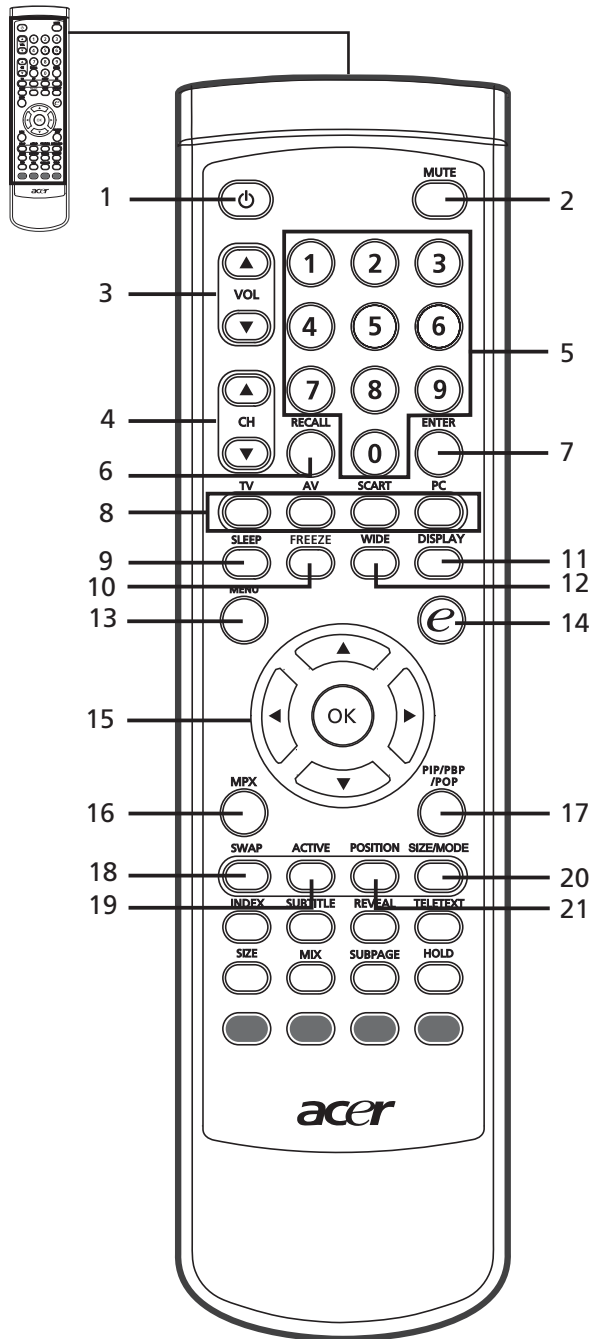
AT3203/AT2703/AT2603



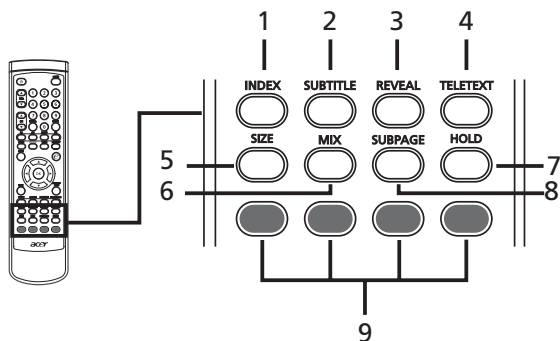
AT3202/AT2602



Remote Control



1. Power: Press to turn on/off your TV.
2. Mute: Press to toggle audio on and off
3. VOL (up/down): Press this button to increase or decrease the volume.
4. CH (up/down): Press this button to sequentially select the TV channel.
5. Number keys
6. RECALL: Press to confirm channel number selection.
7. ENTER: Press to confirm channel number selection.
8. Input buttons (TV/AV/SCART/PC): Press to select correct input mode.
9. SLEEP: Press to set a time period after which the TV will switch itself to stand-by (15, 30, 45, 60, 90)
10. FREEZE: Press to freeze the displayed picture.
11. DISPLAY: Press to display input/channel information (dependent on input/source type).
12. WIDE: Press to toggle scaling mode between 4:3, 16:9, Panorama and Letterbox 1, 2, 3.
13. MENU: Press to open or close the Menu.
14. e (Empowering technology): Activate Acer Empowering Technology.
15. Directional keys/OK
16. MPX: Press to select the sound input, displayed in the top right-hand corner (mono, stereo, bilingual).
17. PIP/PBP/POP: Switch between PIP/PBP/POP mode.
18. SWAP: For PIP/PBP/POP mode, toggle between the primary and subscreens.
19. ACTIVE: Toggle between primary and subscreens.
20. SIZE/MODE: You can change subscreen size in PIP mode. In POP mode, you can switch POP mode from 1+5 to 1+12.
21. POSITION: In PIP mode, you can change subscreen position.

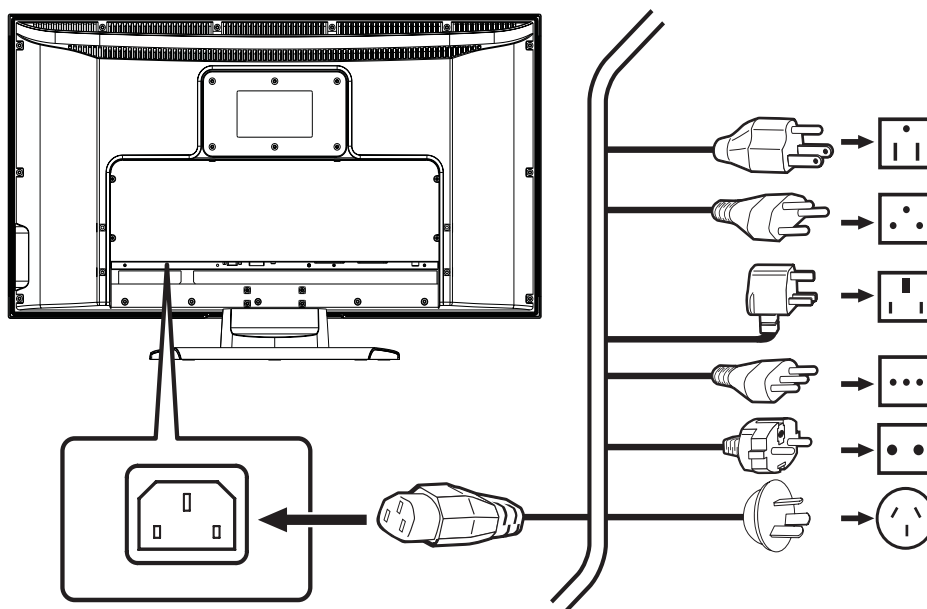


1. INDEX: Press to go to the index page.
2. SUBTITLE: Press to view subtitles on the screen.
3. REVEAL: Press to reveal hidden teletext information.
4. TELETEXT: Press to switch from TV/AV to Teletext mode.
5. SIZE: Press once to zoom teletext page to 2X. Press again to resume.
6. MIX: Press to overlay teletext page on the TV image.
7. HOLD: Press to pause the current teletext page in multi-page viewing mode.
8. SUBPAGE: Press to access the teletext's subpages directly.
9. Colour buttons (R/G/Y/B): Operates corresponding button on the teletext page.

Basic Connection

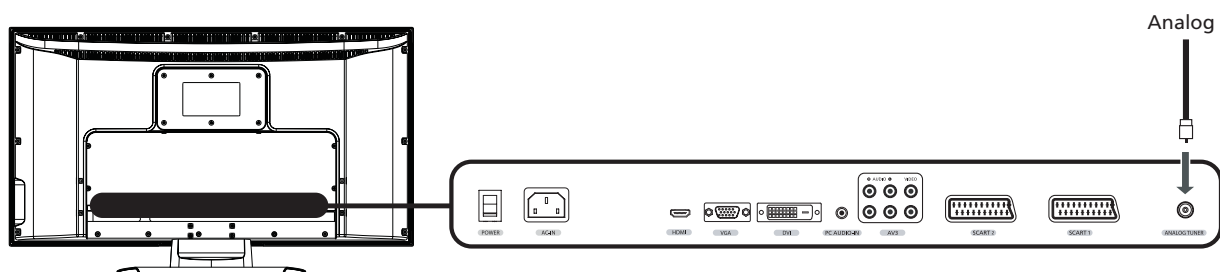
Connecting the Power Cord

1. Connect the AC cord into the AC input on the back of the set.
2. Connect the plug to the wall outlet as shown.



Connecting an Antenna Cable

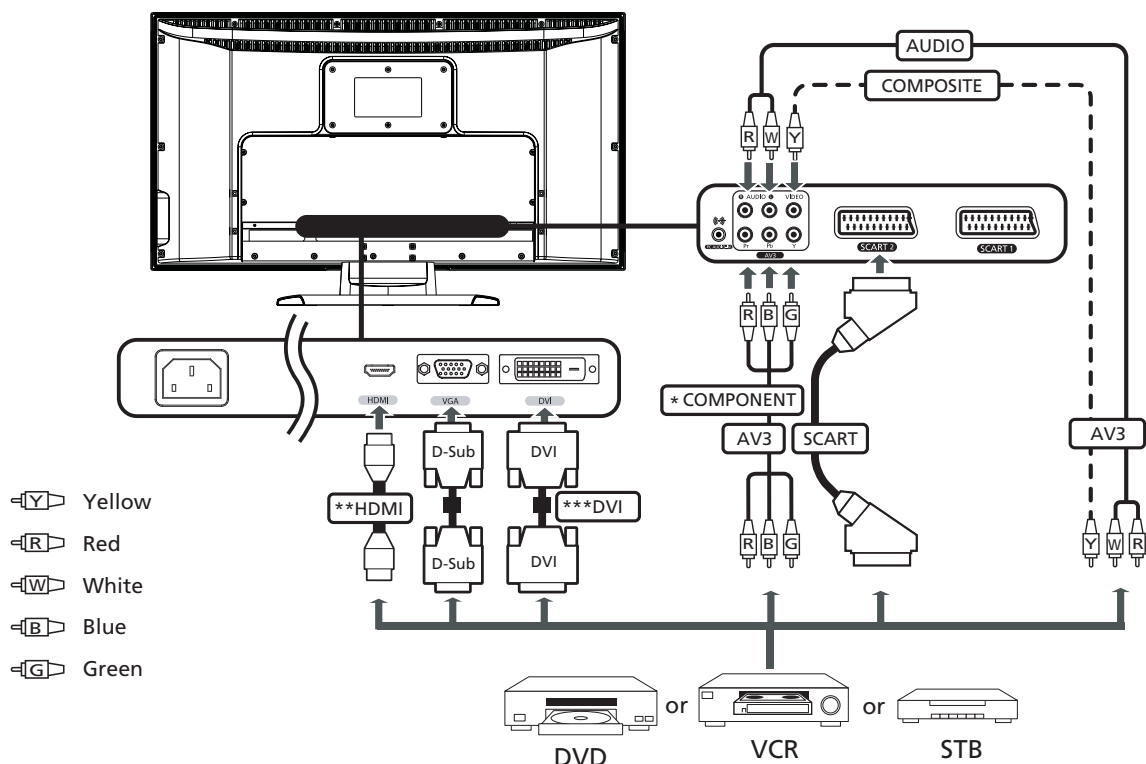
Connect the antenna cable to the appropriate antenna terminal on the back of the TV set as shown below.



Connecting a DVD / VCR / STB / Audio / Video Equipment

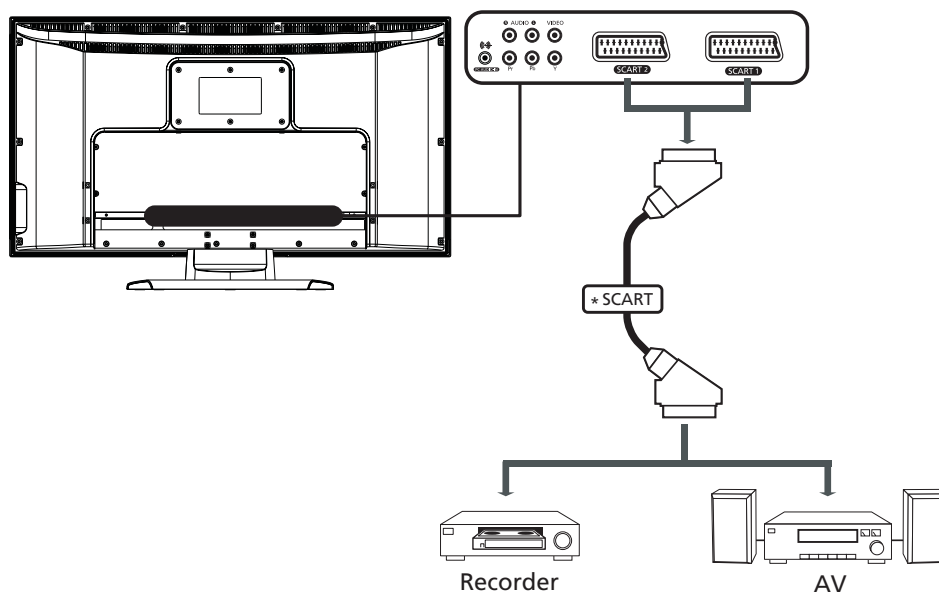
Connect the DVD player, VCR or audio / video equipment using the SCART port located at the rear of the LCD TV as shown.

Source-IN



NOTE: Acer recommends the priority for connection: 1. HDMI 2. DVI 3. Component 2. SCART 3. Composite.
HDMI only for AT2604/AT2704/AT3204/AT3704.
DVI only for AT2603/AT2604/AT2703/AT2704/AT3204/AT3704.

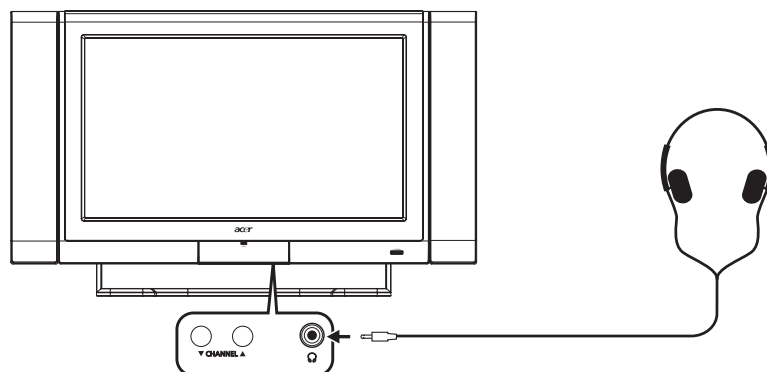
TV-OUT



NOTE: SCART-out only works with analog broadcasts.

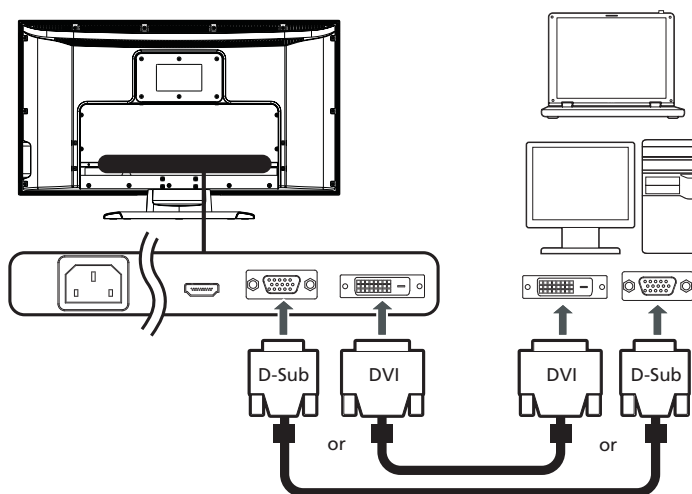
Connecting a Camera / Camcorder / Video / Headphones

Connect the camera or camcorder to the video / audio ports on the bottom of the TV set as shown below.



Connecting a Desktop / Notebook Computer

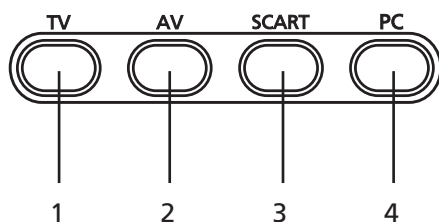
To display PC output on the LCD TV, connect the desktop or notebook computer to the TV as shown below.



NOTE: For VGA and DVI input, Acer recommends setting your PC's external monitor resolution to 1360 x 768 pixels @ 60Hz refresh rate.
DVI only for AT2603/AT2604/AT2703/AT2704/AT3204/AT3704

Selecting the Input Source

Once you have connected your antenna or external equipment to the TV, you need to select the correct input source. Press the corresponding button on the remote control to select the correct input source.



1. TV key: Toggle Analog TV (ATV) between input sources.

2. AV key: Toggle AV3 and HDMI* between input sources.

3. SCART key: Toggle SCART1 and SCART2 between input sources.

4. PC key: Toggle VGA and DVI** between input sources.

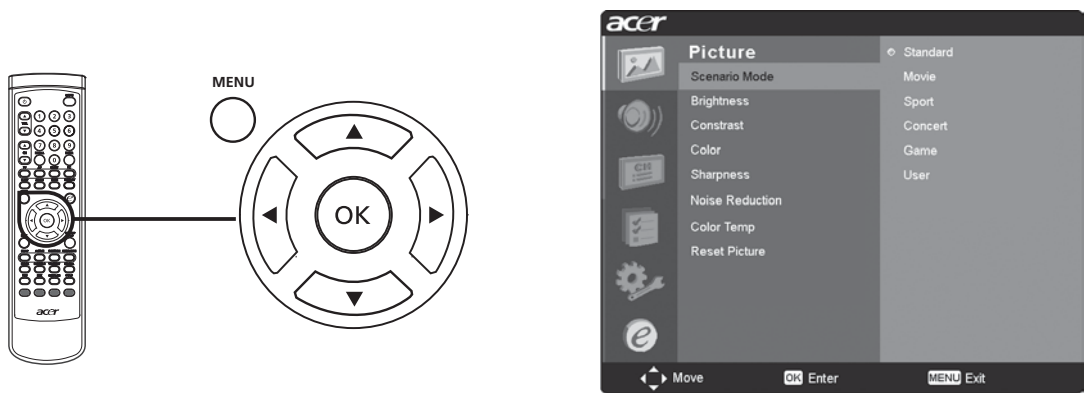
NOTE: HDMI only for AT2604/AT2704/AT3204/AT3704.
DVI only for AT2604/AT2703/AT2704/AT3204/AT3704.

OSD Navigation

Many of the advanced settings and adjustments are available through using the OSD (On Screen Display) menus, as shown in the example screenshot below.

Basic operations required to navigate these menus (Picture, Audio, Channel management, Settings, Empowering) are described in this section. The first time you access the OSD, you will be asked to choose your language settings.

Navigating the OSD with the Remote Control

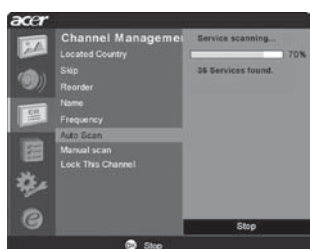


There are six main OSD menus. These are Picture, Audio, Channel management, Options, Settings and Empowering. Use the following method to navigate these menus.		
1		Press the MENU button on the remote control or the MENU button on the control panel.
2		Select your desired menu by using the up and down directional keys to switch between the six menus.
3		Use the directional keys to interact with the menu. The up / down directions will scroll through the menu options, while left / right will adjust the different settings (for example, in the Picture menu, settings such as brightness, contrast, etc.). If there are no further adjustments, hold down Enter on the remote control for more than two seconds to save the settings.

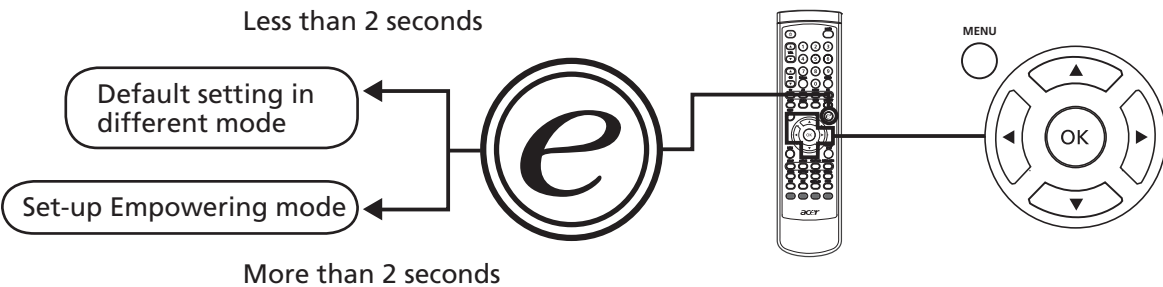
NOTE: You can also interact with these menus using the front panel controls. Please refer to “Front panel view” for details.

Adjusting the OSD Settings

You can use the OSD to adjust the picture quality, audio settings, channel settings, general settings and the Empowering Technology settings. For advanced settings, please refer to the following table.

Adjusting the picture quality	
	1. Press the MENU key to bring up the OSD. 2. Using the directional keys, select Picture from the OSD. Then navigate to the picture element you wish to adjust. 3. Use the left or right keys to adjust the sliding scales. 4. The Picture menu can be used to adjust the current Scenario mode, brightness, contrast, color, sharpness and other image-related qualities.
Adjusting the audio settings	
	1. Press the MENU key to bring up the OSD. 2. Using the directional keys, select Audio from the onscreen display. Then navigate to the feature you wish to adjust. 3. Use the up or down keys to adjust the sliding scale. Press OK to save. 4. The Audio menu can also be used to adjust the treble, balance, sound effects and other important sound-related settings.
Adjusting the channel management	
	1. Press the MENU key to bring up the OSD. 2. Using the directional keys, select Channel management from the OSD. 3. Use the directional keys to navigate the menus. 4. The Channel management menu can be used to adjust and set the TV ratings.
Adjusting other options	
	1. Press the MENU key to bring up the OSD. 2. Using the directional keys, select Options from the OSD. 3. Use the directional keys to navigate the menus. 4. The Options menu can be used to select the picture aspect-ratio mode and set the sleep timer.
Adjusting the settings	
	1. Press the MENU key to bring up the OSD. 2. Using the directional keys, select Settings from the OSD. Then navigate to the feature you wish to adjust. 3. The Settings menu can be used to adjust the menu language, time zone, set the PIN, the TV censorship levels, and other important settings.

Empowering Technology



The Empowering Key opens up the Acer Empowering Technology functions. In TV mode, the choice is between Scenario mode and Favorite channel. The default setting for both modes is Scenario mode.

Set-up Empowering mode

To change the Empowering Key's default setting:

1		Press and hold the Empowering Key for more than two seconds to open the menu. The TV mode Empowering Key settings menu will come out as below.
2		
		Use the directional keys to navigate the menu and select the Empowering Technology icon.
3		Press MENU to exit. Now, when you press the Empowering Key, your chosen selection will be accessed.

Defaulting setting in different Empowering mode

Scenario mode in TV (default setting)

Scenario mode has five preset viewing modes designed to give you the best picture quality when watching a particular kind of program. There are five pre-defined audio and video settings for optional enjoyment of the following scenarios: Standard TV, Movie, Sport, Concert, Game, User.

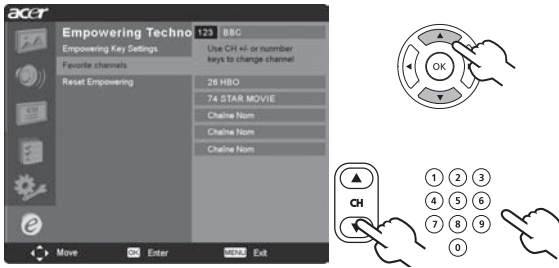


Press the Empowering Key for less than one second will toggle between the different modes.

Mode	Information
Standard	Standard mode allows you to watch your favorite channels with sharp, brilliant imagery via adaptive brightness and contrast adjustments, and listen to clear-sounding audio.
Movie	For comfortably enjoying movies at home, Movie mode displays dim scenes in clear detail; compensates for color; and smoothly presents motion images. This is accomplished through optimal Gamma correction plus saturation, brightness and contrast adjustments. Movie mode makes the most of high-definition movie sound tracks.
Game	Game mode carefully details the exquisite graphics of modern video games, providing lifelike entertainment while protecting your eyesight by adjusting brightness and contrast. What's more, Game mode provides a heightened audio experience.
Sports	Sports mode is suited for outdoor sports programs, with accurate background depth and clear gradation between the bright, outdoor playing field and darker auditoriums. Sports mode also brilliantly enhances colors and presents swiftly moving pictures without residual images. All of this is achieved via specific Gamma corrections and saturation adjustments. Precise audio can be heard.
Concert	Concert mode places you in a virtual concert hall, opera house or other dim environment by means of adaptive brightness and contrast adjustments. Concert mode accentuates symphonic harmonies and the tenor audio range.

Favorite channel mode in TV

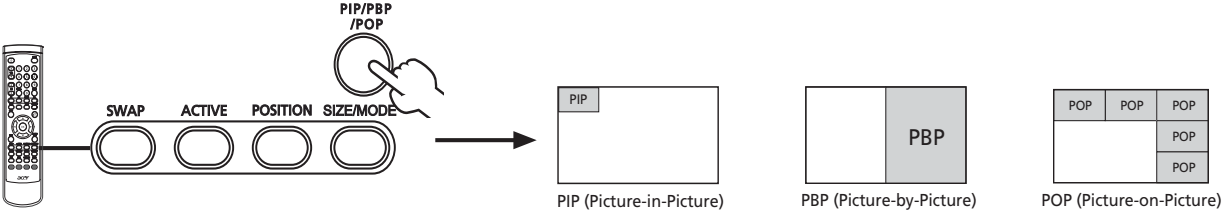
Favorite channel allows you to store five of your favorite TV channels and flick between them at the touch of a single button.

Storing favorite channels		
1	MENU 	Select your desired channel, then press the MENU key on the remote control.
2		Use the directional keys to navigate the menu and select the Empowering Technology icon.
3		Navigate to a channel slot, use CH up/down or number key to change channel. There are a total of five slots in which you can store TV programs.
Viewing the favorite channels		
		On the remote control, if you press the Empowering Key for less than one second, the TV will toggle between the five stored TV channels sequentially according to your list of favorites.

Advanced Features

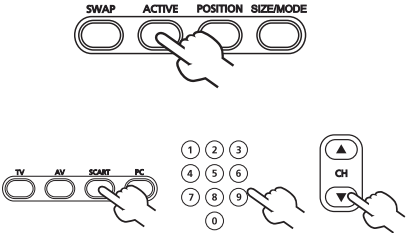
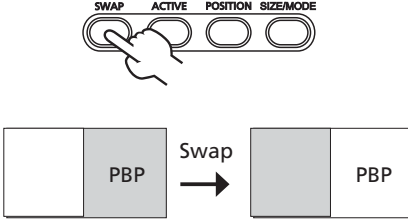
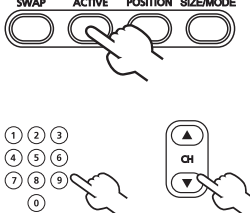
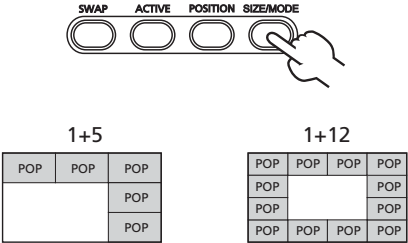
PIP / PBP / POP

Press the PIP / PBP / POP button once to display activate picture-in-picture (PIP). Press twice to activate picture-by-picture (PBP). Press three times to activate picture-on-picture (POP). Then, the POP screens will display the TV channel programs one by one.



NOTE: The OSD menu is not available in PIP / PBP / POP modes.

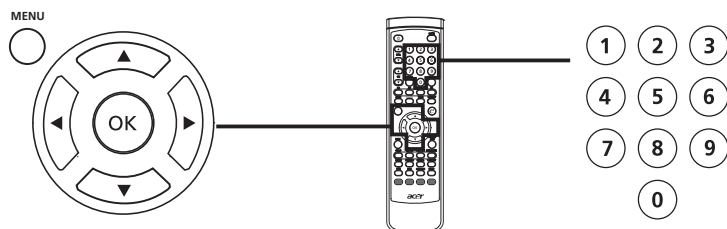
PIP		1. Press the Activate key to toggle between PIP screens. 2. Press the TV, AV, SCART or PC keys, number keys or CH up or down to change the content of the active screen.
		3. Press SWAP key to change the content between the primary and the subscreen.
		4. Press the POSITION key to select the location of the subscreens, from the upper left→upper right→lower right→lower left, as shown in the image.
		5. Press the SIZE / MODE key to select the size of the subscreen, from 25%→37.5%→50%, as shown in the image.

PBP		1. Press the ACTIVE key to toggle between PBP screens. 2. Press the TV, AV, SCART or PC keys, number keys or CH up or down to change the content of the active screen.
		3. Press the SWAP key to change the content between the primary and the PBP screen.
POP		1. Press the ACTIVE key to toggle between POP screens. 2. Press the number keys or CH up or down to change the TV channel on the active screen.
		3. Press the SIZE / MODE key to access the 1 + 5 or 1 + 12 picture-on-picture mode as shown in the image.

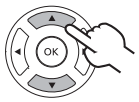
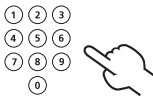
Lock TV

Locking TV content

Lock TV is a handy feature that can block a single channel, multiple channels or all TV sources. Lock TV allows you to enter a password and effectively stop anyone without the password from watching TV.

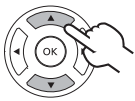


Follow the procedures below to enable this feature.

Setting a personal PIN		
1	MENU 	Press the MENU key on the remote control to bring up the OSD. 
2		Use the directional keys to navigate to the  Settings menu. Then select Set PIN .
3	 	Enter a four-digit password. Type it again and press OK to reconfirm.
4	MENU 	Press MENU to exit.

NOTE: The default PIN for this TV is “0000”. First enter “0000” when you want to change the PIN. If you forget your PIN, please enter 6163 to reset.

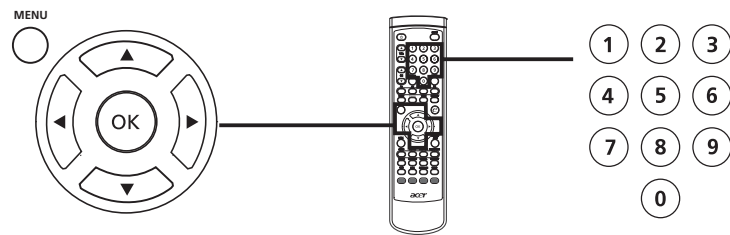
Locking a single channel		
1		Navigate to the channel you wish to manage.
2	MENU 	Press the MENU key on the remote control to bring up the OSD. 

3		Use the directional keys to navigate to the  Channel management menu. Then select Lock this channel .
4		Enter you PIN. Type it again and press OK to reconfirm.

Locking your TV		
1	MENU 	Press the MENU key on the remote control to bring up the OSD. 
2		Use the directional keys to navigate to the  Settings menu. Then select Lock TV .
3		Enter a four-digit password. Type it again and press OK to reconfirm.

Re-scan for Channels

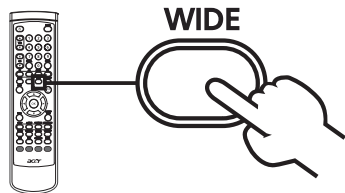
The first time you completed the setup wizard, all available channels were listed. If you need to re-scan for new channels, please follow the steps below:

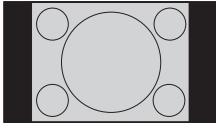
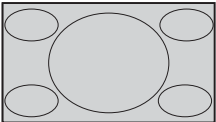
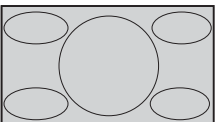
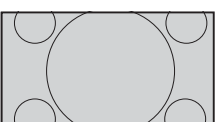


Scanning for channels		
1	MENU	Press the MENU key on the remote control to bring up the OSD.
2		Use the directional keys to navigate and select
3		Highlight Auto Scan . Then select Start and press OK to begin.
4	MENU	Select OK and press MENU to exit.

Widescreen Display Mode

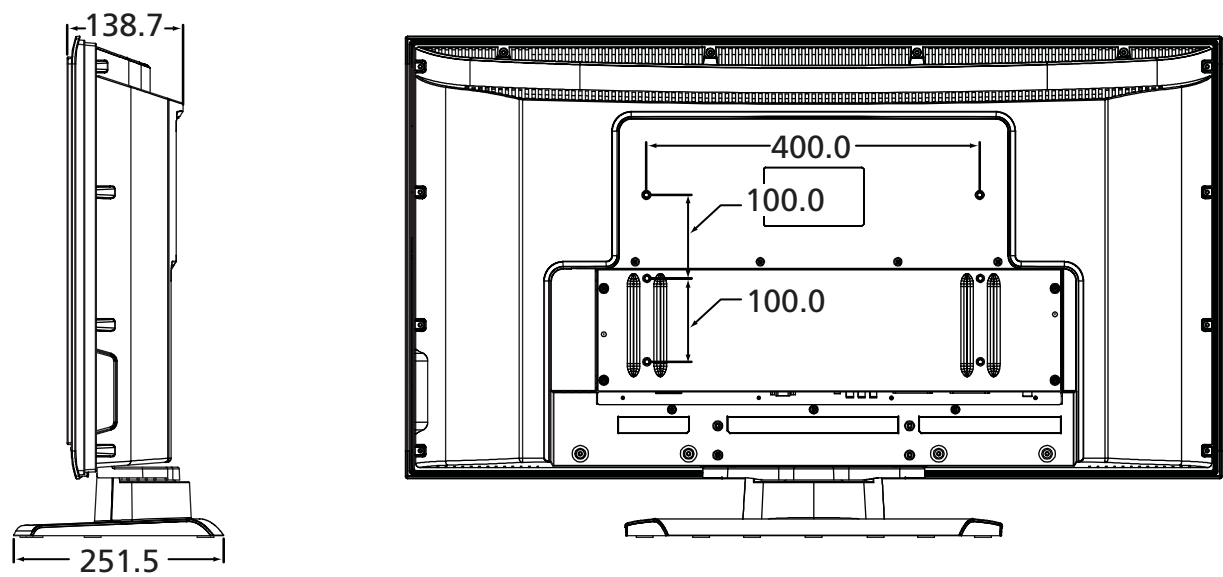
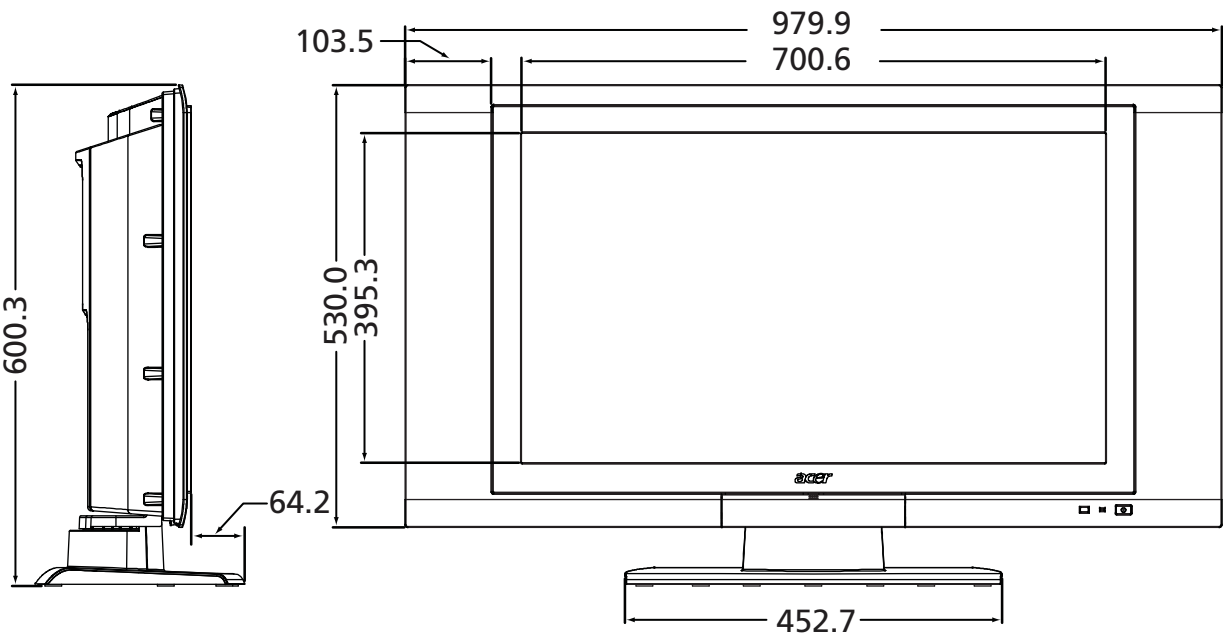
Your Acer LCD TV has a special widescreen mode that allows you to toggle between 4:3, 16:9, Panorama and Letterbox 1, 2 and 3 type view. Press the WIDE key on the remote control to toggle the display between the four wide modes.



4:3	For 4:3 standard pictures, a side bar will appear on each side.
	
16:9	In this mode, the whole picture is stretched toward each side of the screen
	
Panorama	In this mode, the picture is progressively stretched toward each side of the screen.
	
Letterbox 1, 2, and 3	In this mode, the picture is enlarged linearly to fit the screen. The top and bottom portions of the picture may be cut off.
	

Dimensions

AT3202/AT3203/AT3204



Source Options

PIP/PBP

Sub Main	TV	SCART1	SCART2	AV3	VGA
TV	X	X	X	X	●
SCART1	X	X	X	X	●
SCART2	X	X	X	X	●
AV3	X	X	X	X	●
VGA	●	●	●	●	X

POP

Sub Main	TV	SCART1	SCART2	AV3	VGA
TV	X	X	X	X	●
SCART1	X	X	X	X	X
SCART2	X	X	X	X	X
AV3	X	X	X	X	X
VGA	X	X	X	X	X

Machine Disassembly and Replacement

This chapter contains step-by-step procedures on how to disassemble the LCD TV 3203 for maintenance and troubleshooting.

To disassemble the LCD TV 3203, you need the following tools:

- ☐ Wrist grounding strap and conductive mat for preventing electrostatic discharge
- ☐ Small Philips screw driver
- ☐ Philips screw driver

NOTE: The screws for the different components vary in size. During the disassembly process, group the screws with the corresponding components to avoid mismatch when putting back the components. When you remove the stripe cover, please be careful not to scrape the cover.

General Information

Before You Begin

Before processing with the disassembly procedure, make sure that you do the following:

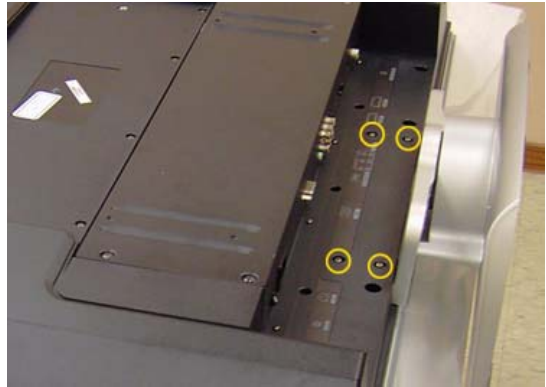
1. Turn off the power to the system and all peripheral.
2. Unplug the AC adapter and all power and signal cables from the system.

NOTE: There are several types of screws used to secure the product. The screws vary in length. Please group the same type of screws together during the disassembly process as well as remember the screw location for each screw type. If you fasten the screws to the wrong location, the screws may cause damage to the product.

Disassembly Procedure

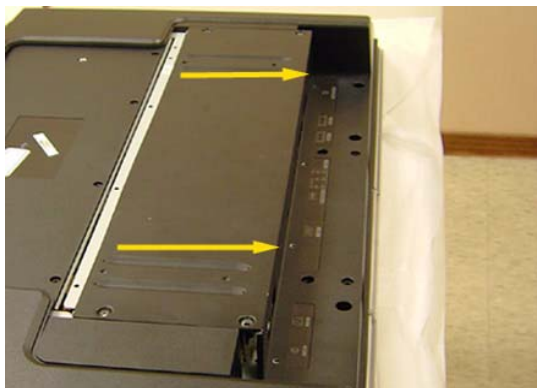
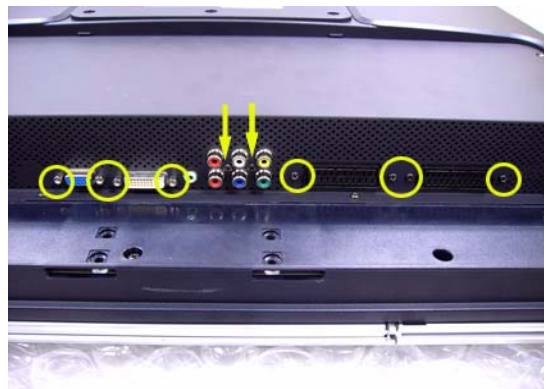
Removing the TV Stand

1. Release the four screws fastening the TV stand.
2. Then pull out the TV stand.



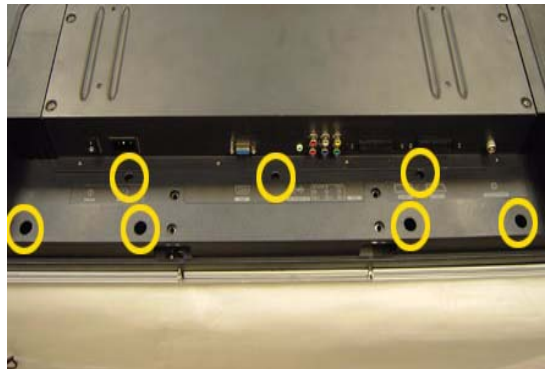
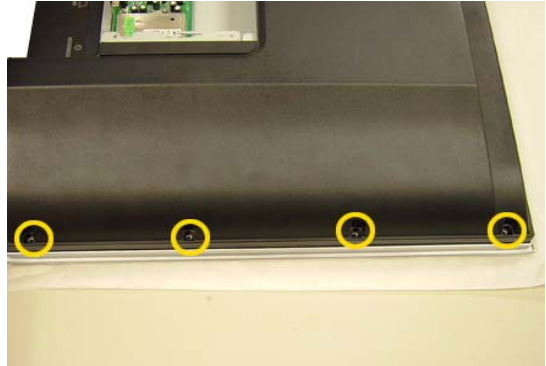
Removing the I/O Cover

1. Release those screws marked in yellow for removing the I/O cover.
2. Slide the I/O cover shown as arrows then detach it.



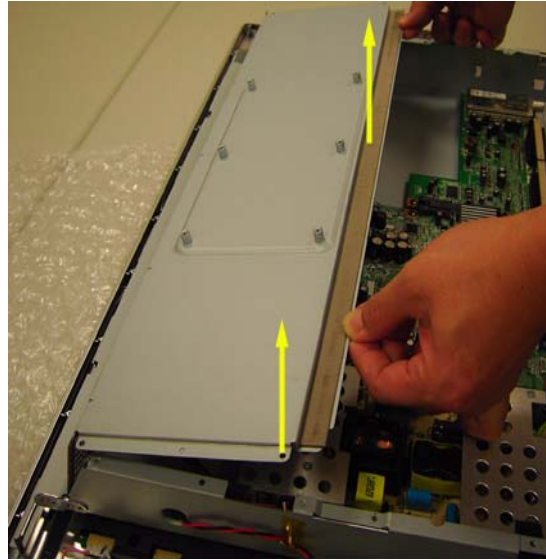
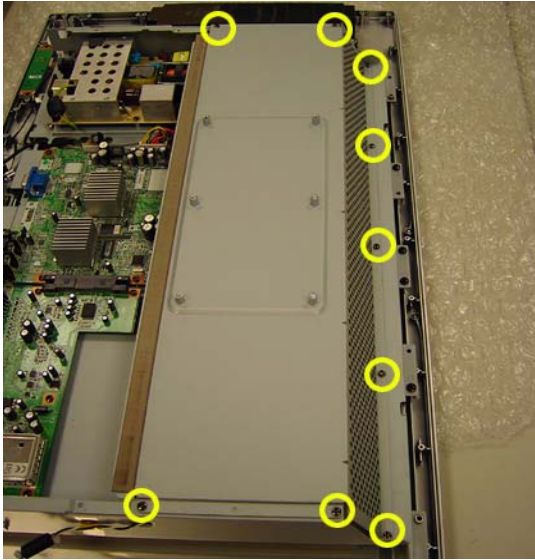
Removing the Rear Cover

1. Release those screws as shown for removing the rear cover.
2. Then lift the rear cover.



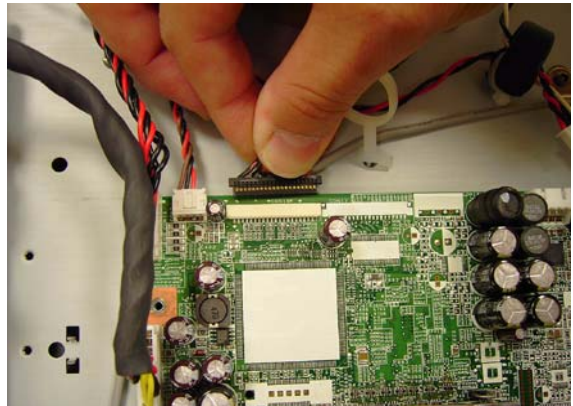
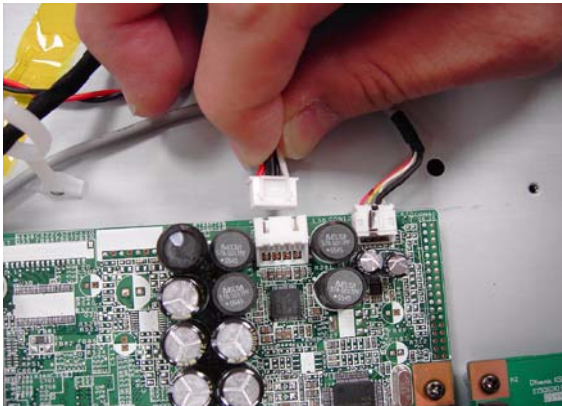
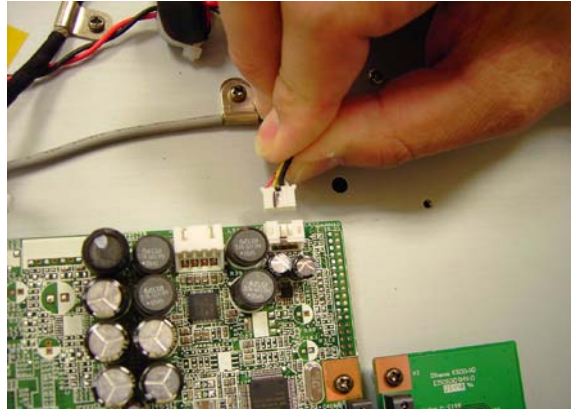
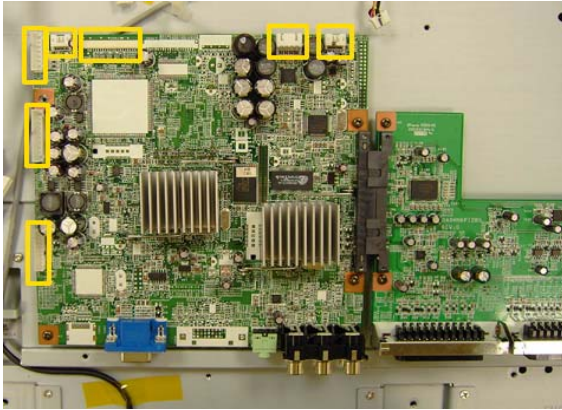
Removing the ESD Shield Top

1. Release the nine screws securing the ESD shield top.
2. Then lift the ESD shield top as shown.

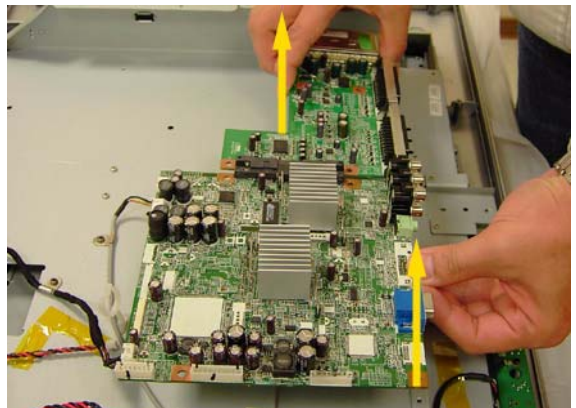
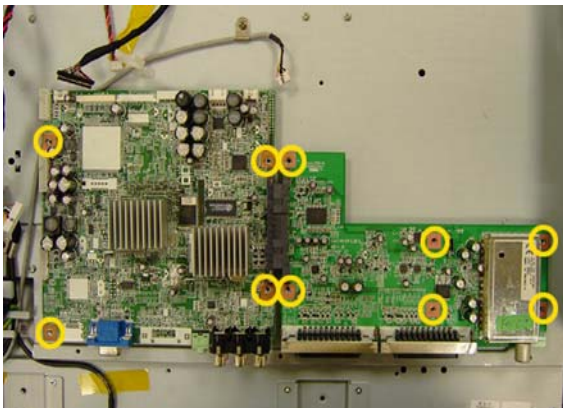
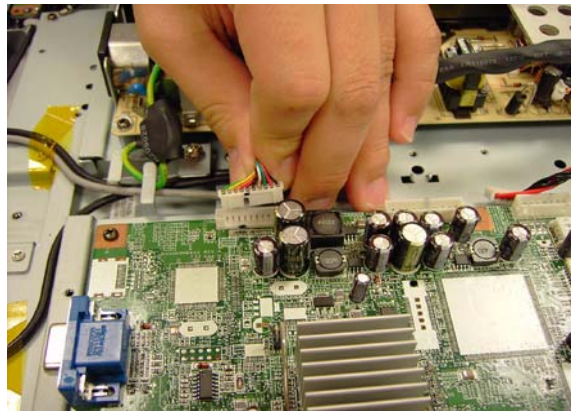
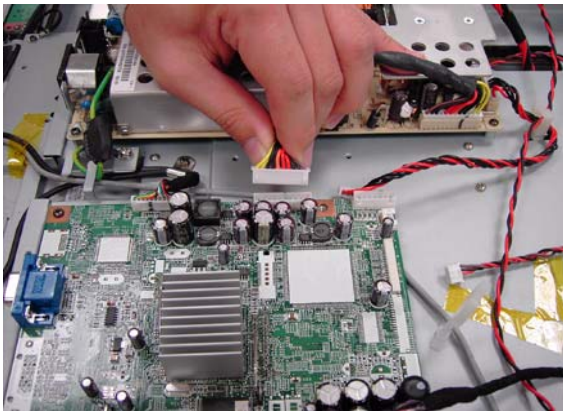
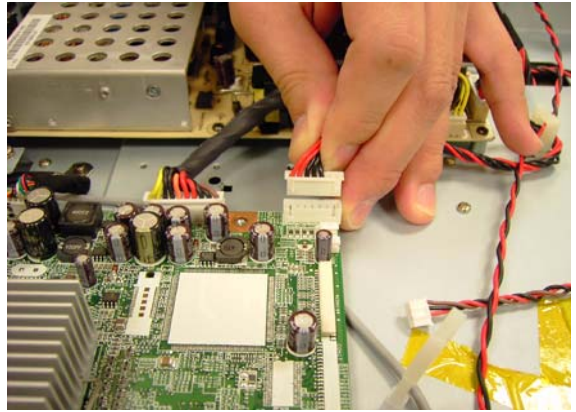
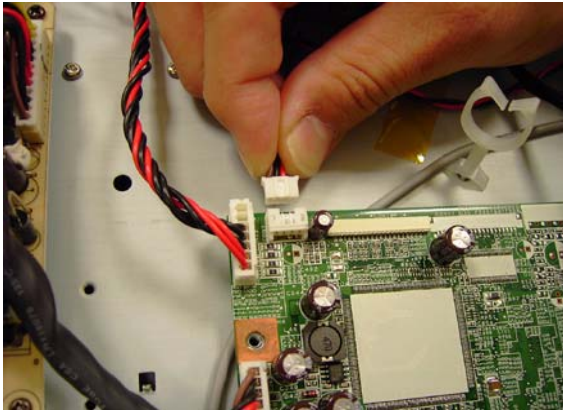


Removing the Main Board and I/O Board

1. This is the upper view of the main board and the location of those connectors.
2. Disconnect the keypad to main board cable.
3. Disconnect the speakers to main board cable.
4. Disconnect the LVDS to main board cable.

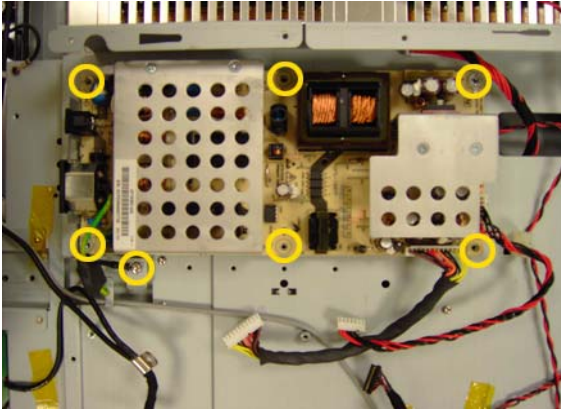


5. Disconnect the inverter board to main board cable.
6. Disconnect the power board to main board cable.
7. Disconnect the other power board to main board cable.
8. Disconnect the power switch to main board cable.
9. Release the ten screws fastening the main board and the I/O board.
10. Remove them together then separate them.



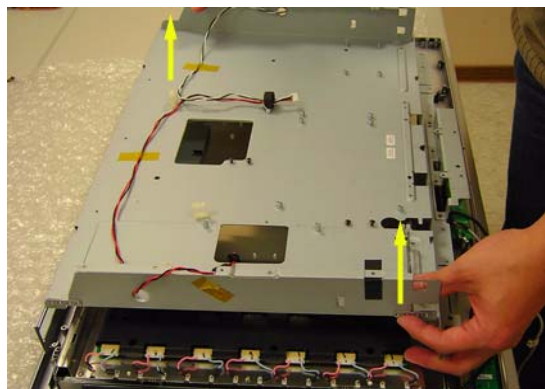
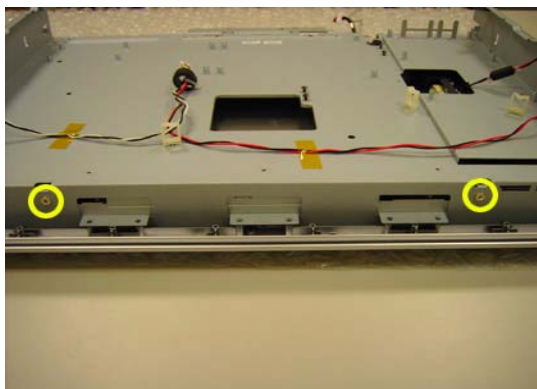
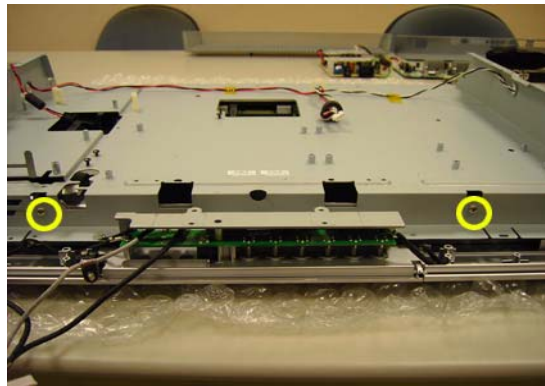
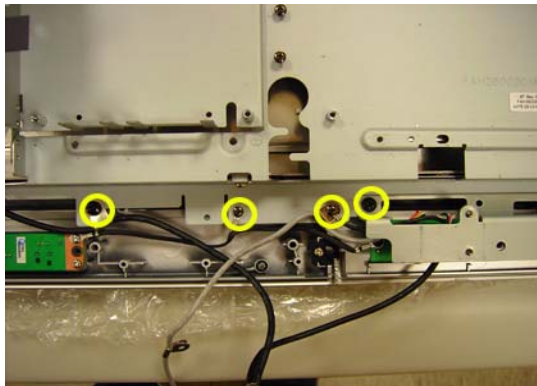
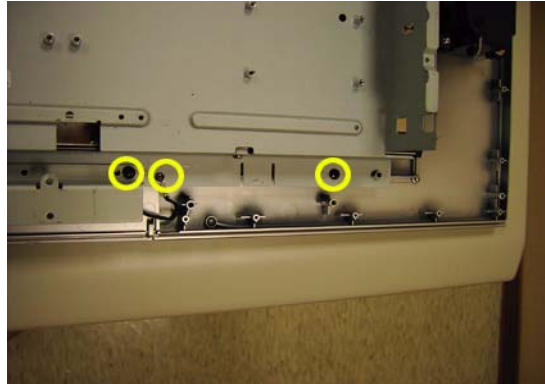
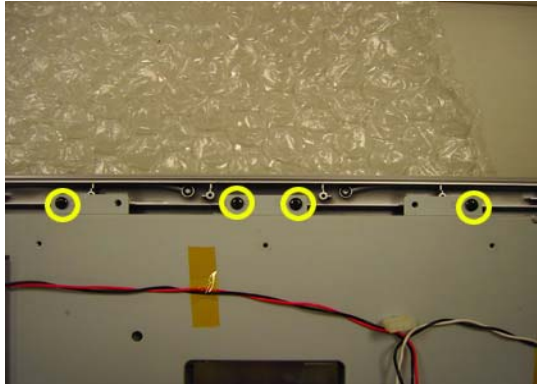
Removing the Power Supply Board

1. Release the seven screws fastening the power supply board and the cable then detach the power supply board.



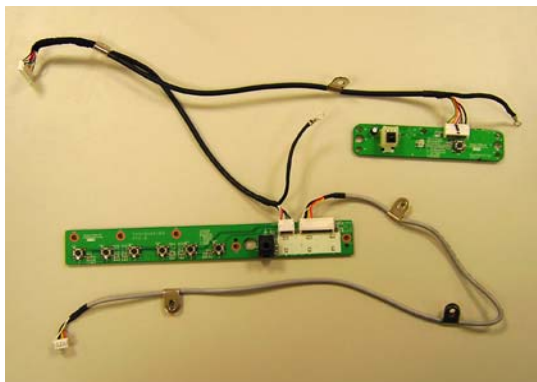
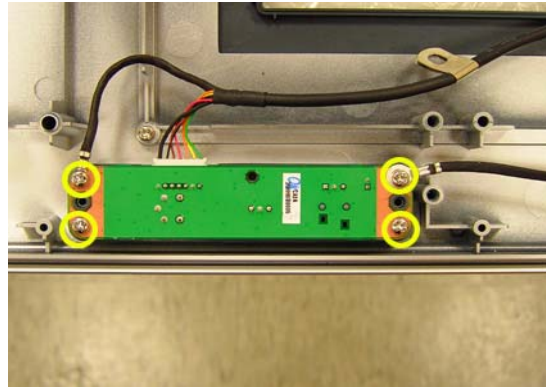
Removing the PCD Holder

1. Release those screws marked in yellow.
2. Then lift the PCD holder as shown.



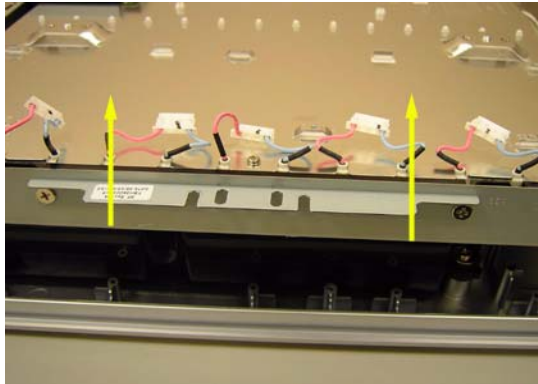
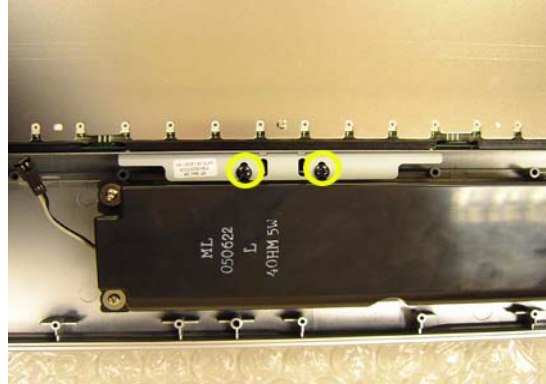
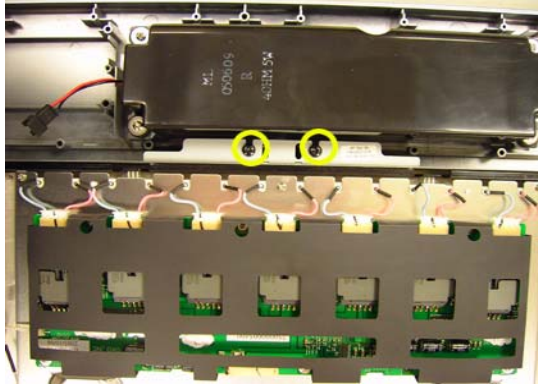
Removing the Keypad Board and the Power Button Board

1. Release the five screws fastening the keypad board then detach it.
2. Release the four screws fastening the power button board then detach it.
3. They are the keypad board and the power button board with their corresponding cables.



Removing the LCD

1. Release the four screws on the LCD brackets.
2. Then lift the LCD.



Removing the Speakers

1. Release the four screws securing the speaker.
2. Repeat the anterior two steps to remove the other speaker.



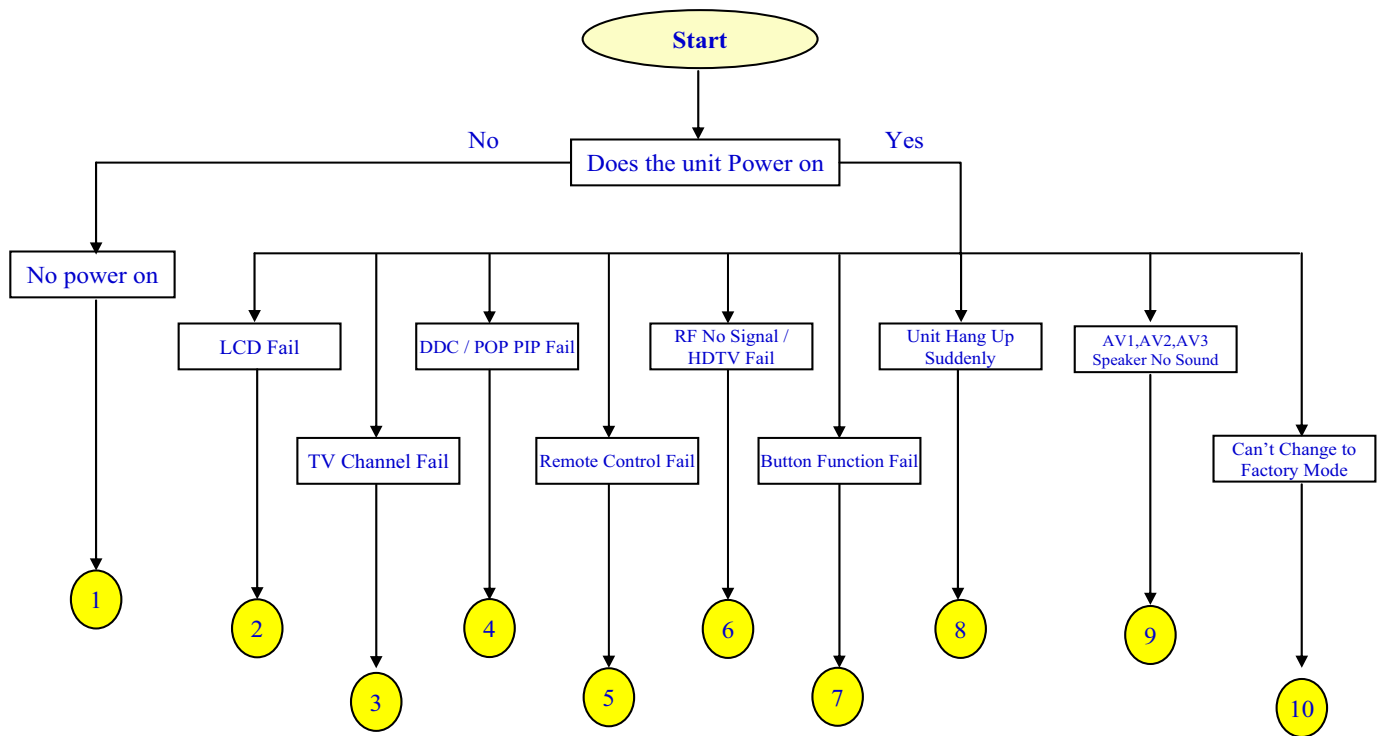
Troubleshooting

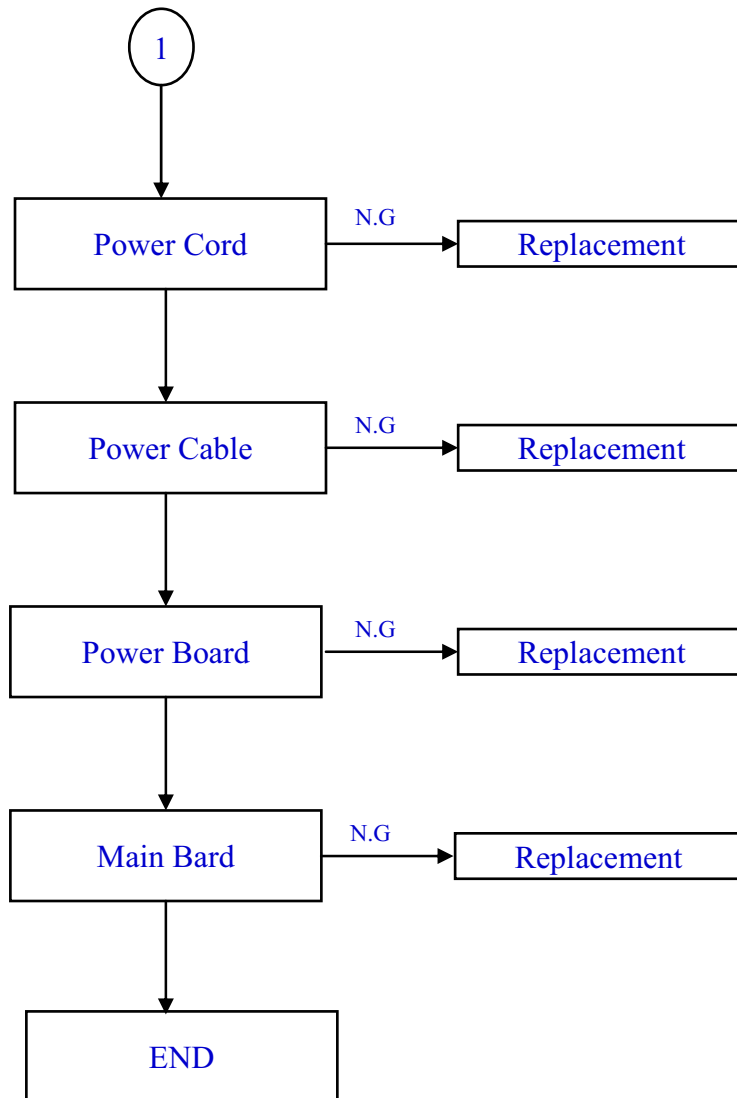
Please use the following procedures as a guide for Acer LCD TV AT3203 problems.

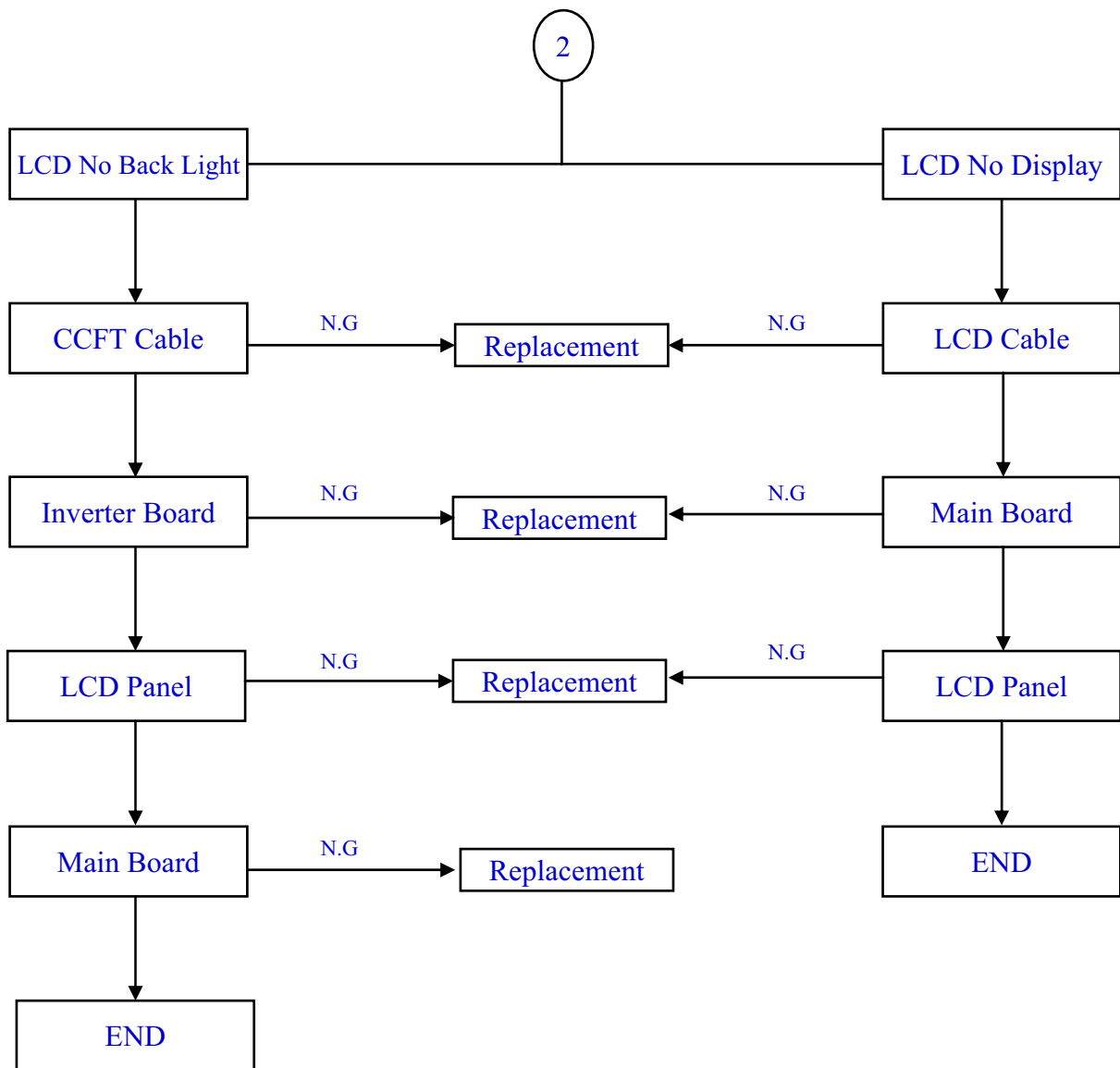
NOTE: The diagnostic tests are intended to test only Acer products. Non-Acer products, prototype cards, or modified options may occur errors or invalid responses.

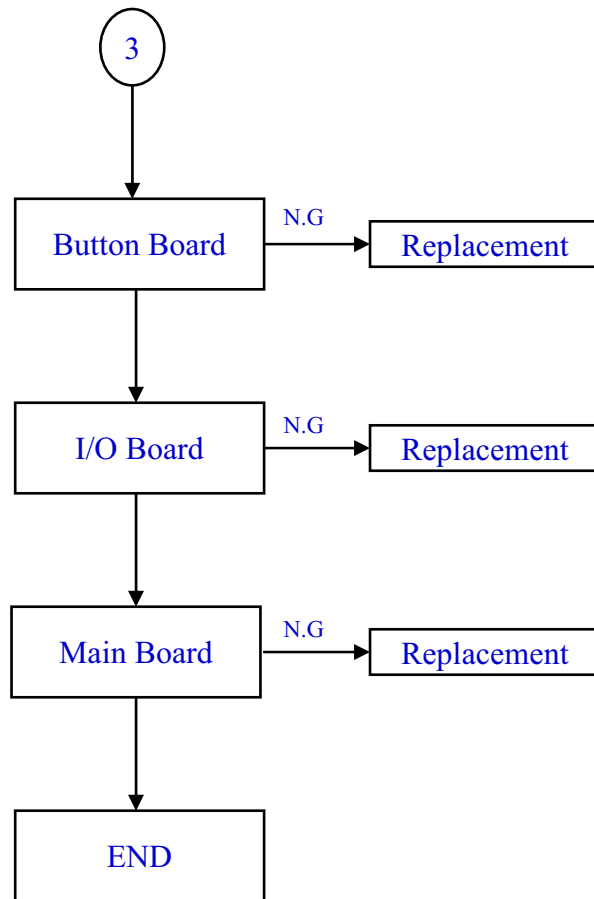
1. Duplicate symptom and obtain the fail symptom as many as possible.
2. Distinguish symptom. Verify the symptoms by attempting to recreate the failure, running the diagnostic tests or repeating the same operation.
3. Disassemble and assemble the unit without any power sources.
4. If any problem occurs, you can perform visual inspection before you follow this chapter's instructions. You can check the following:
 1. Power cords are properly connected and secured;
 2. There are no obvious shorts or opens;
 3. There are no obviously burned or heated components;
 4. All components appear normal.
5. Use the following flow chart to determine which part should be replaced.

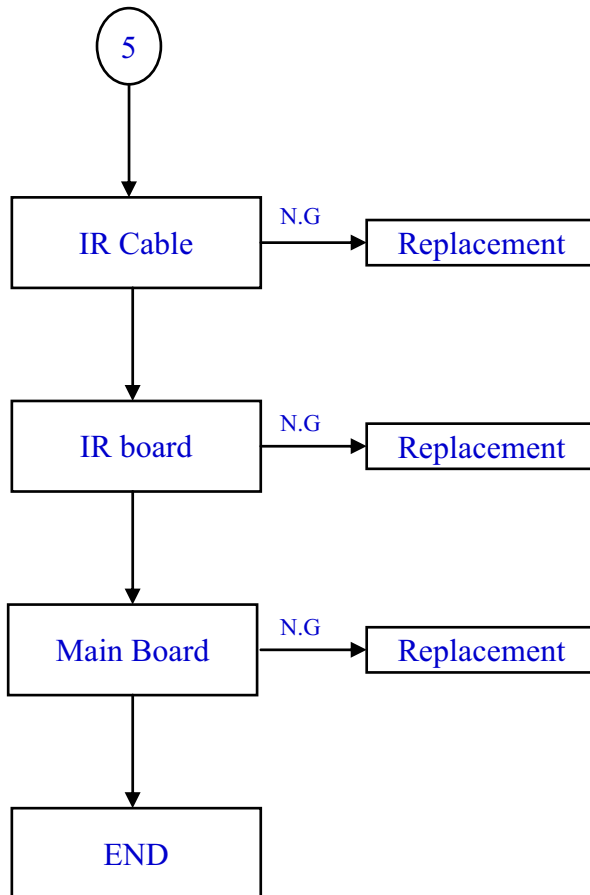
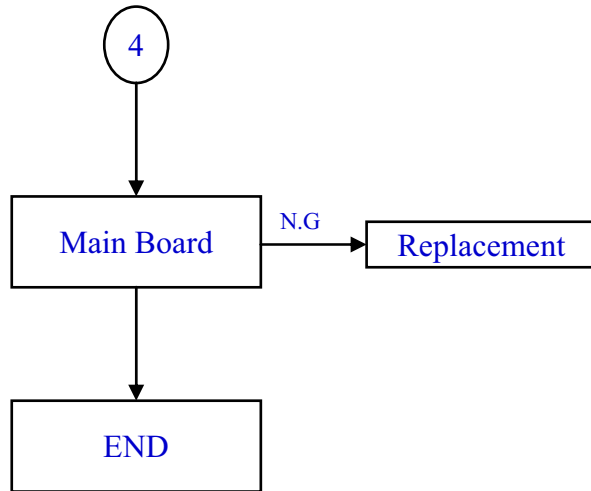
NOTE: N. G. in the below figure means "No Good".

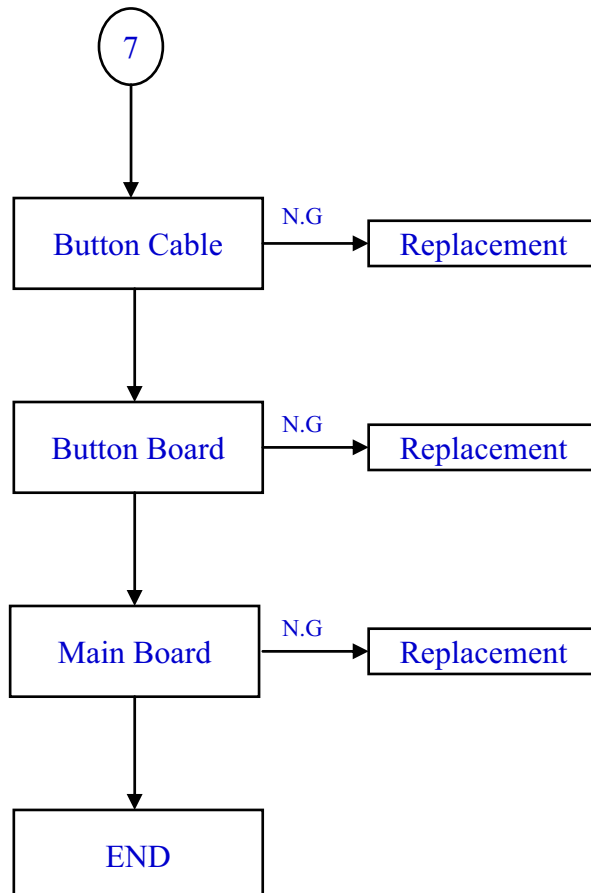
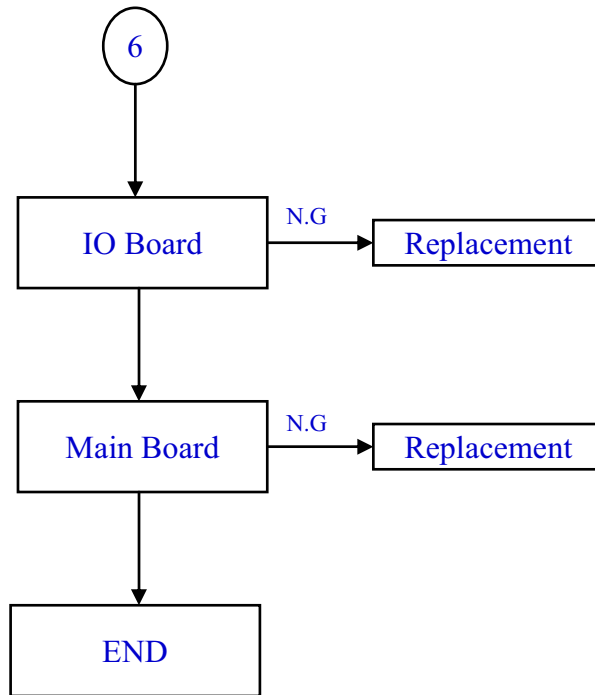


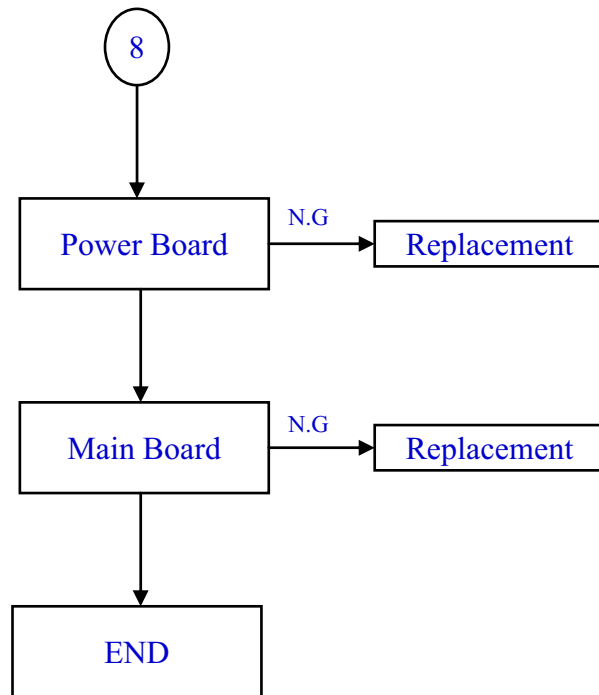


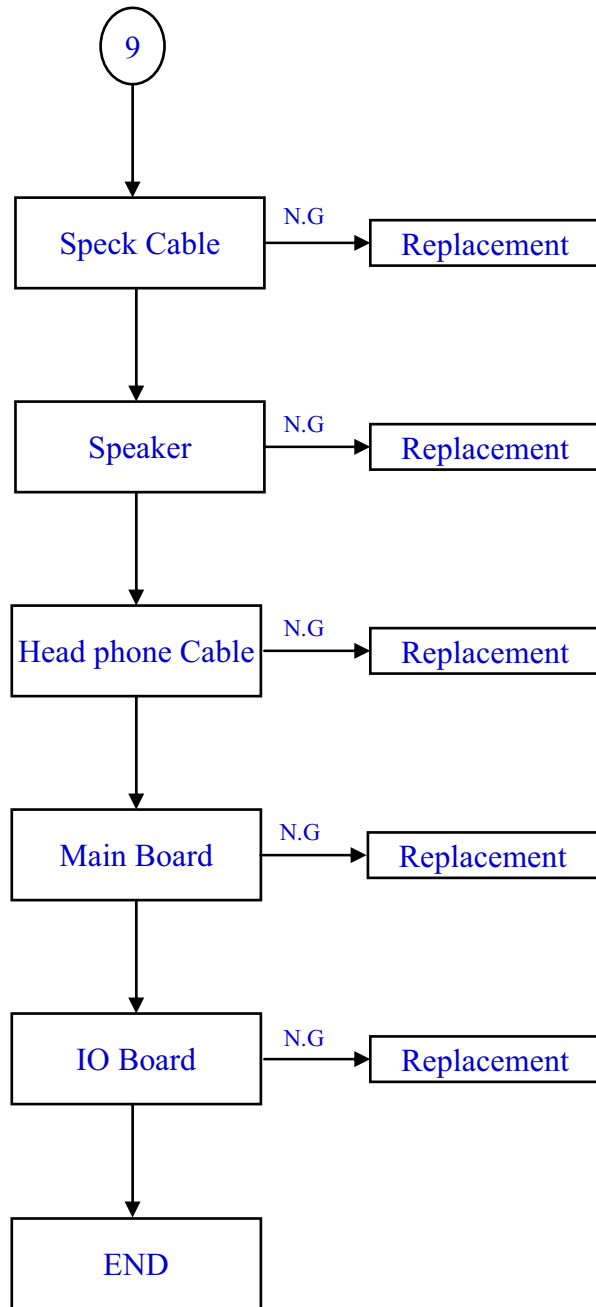


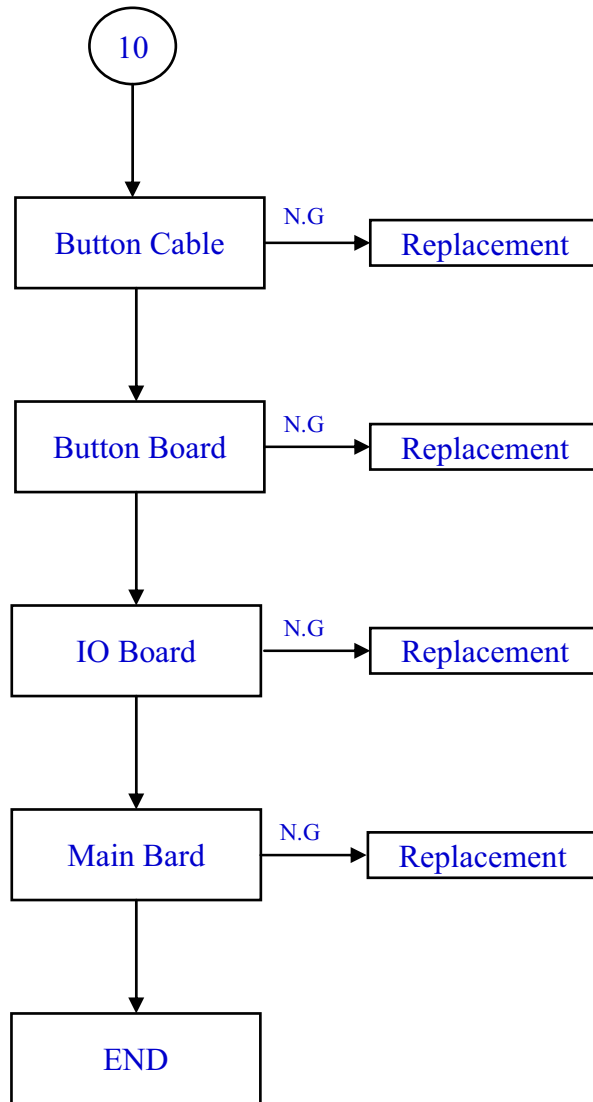












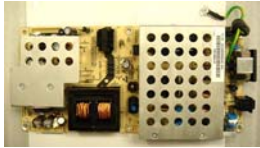
FRU (Field Replaceable Unit) List

This chapter offers the FRU (Field Replaceable Unit) list in global configuration of AT3203. Refer to this chapter whenever ordering the parts to repair or for RMA (Return Merchandise Authorization).

Please note that when ordering FRU parts, you should check the most up-to-date information available on your regional web or channel. For whatever reasons a part number is changed, it will NOT be noted on the printed service guide. For Acer authorized service providers, your Acer office may have a different part number code from those given in the FRU list of this printed service guide. You MUST use the local FRU list provided by your regional Acer office to order FRU parts for service.

NOTE: To scrap or to return the defective parts, you should follow the local government ordinance or regulations on how to dispose them properly, or follow the rules set by your regional Acer office on how to return it.

Parts

Category	Partname	Description	Acer Part No.
ACCESSORY			
N/A	REMOTE CONTROL - EU	REMOTE CONTROL EURT55D014 EU	25.M12V7.001
BOARD			
	KEYPAD BOARD	HH6 KEYPAD/B ASSY(FOR HH2)	55.M12V7.001
	POWER BUTTON/ LED/IR BOARD	HH6 IR/B ASSY(FOR HH2)	55.M12V7.002
	POWER BOARD DPS-180TP	"PWR 180W,DPS-180TP-A(90~264VAC)"	55.M12V7.003
	I/O TURNER BOARD - PAL EU	HH6 IO/B ASSY(EU)	55.M12V7.004
	MAINBOARD W/DVI FOR AU - PAL EU	HH2 M/B ASSY(EU) DVI, AU	55.M23V7.001
N/A	INVERTER BOARD AU T315XW01 V5	INVERTER BOARD AU T315XW01 V5	19.M03V7.004
CABLE			
N/A	POWER CORD - EU	POWER CORD SP-023+IS-14H05VV-F3P 1.8M EU	27.M03V7.002
	LVDS CABLE FOR AU - MB TO LCD	"CABLE ASSY HH2 LVDS AU 20P/30P,1A"	50.M12V7.001

Category	Partname	Description	Acer Part No.
	CABLE - MB TO LCD INVERTER TO POWER	"CABLE ASSY HH2 INV AU 14P4P/10P,1A"	50.M12V7.002
	CABLE - MB TO POWER	"CABLE ASSY HH2 MB-PWR (10P/ 12P,1A)"	50.M12V7.003
	CABLE - MB TO KEYPAD	"CABLE ASSY HH2 EARPHONE 4P/4P,1A"	50.M12V7.004
	SPEAKER CABLE	"CABLE ASSY HH2 SPEAKER 2P/ 3P,4P,1A"	50.M12V7.005
	CABLE - MB TO IR TO KEYPAD	"CABLE ASSY HH2 AV3&EAR 10P4P/ 7P,1A"	50.M12V7.006
	CABLE- AUDIO TO POWER	"CABLE ASSY VV3 AUDIO-PW (8P/ 7P,1A)L-F"	50.M03V7.004
	GROUND CABLE	"CABLE ASSY HH2 GND(1P/1P,1A)"	50.M12V7.007
CASE / COVER / BRACKET ASSEMBLY			
	STAND ASSY	HH2 STAND ASSY	60.M12V7.001
	REAR COVER	"REAR COVER H32(EAH32002,REV3 A)"	60.M12V7.002

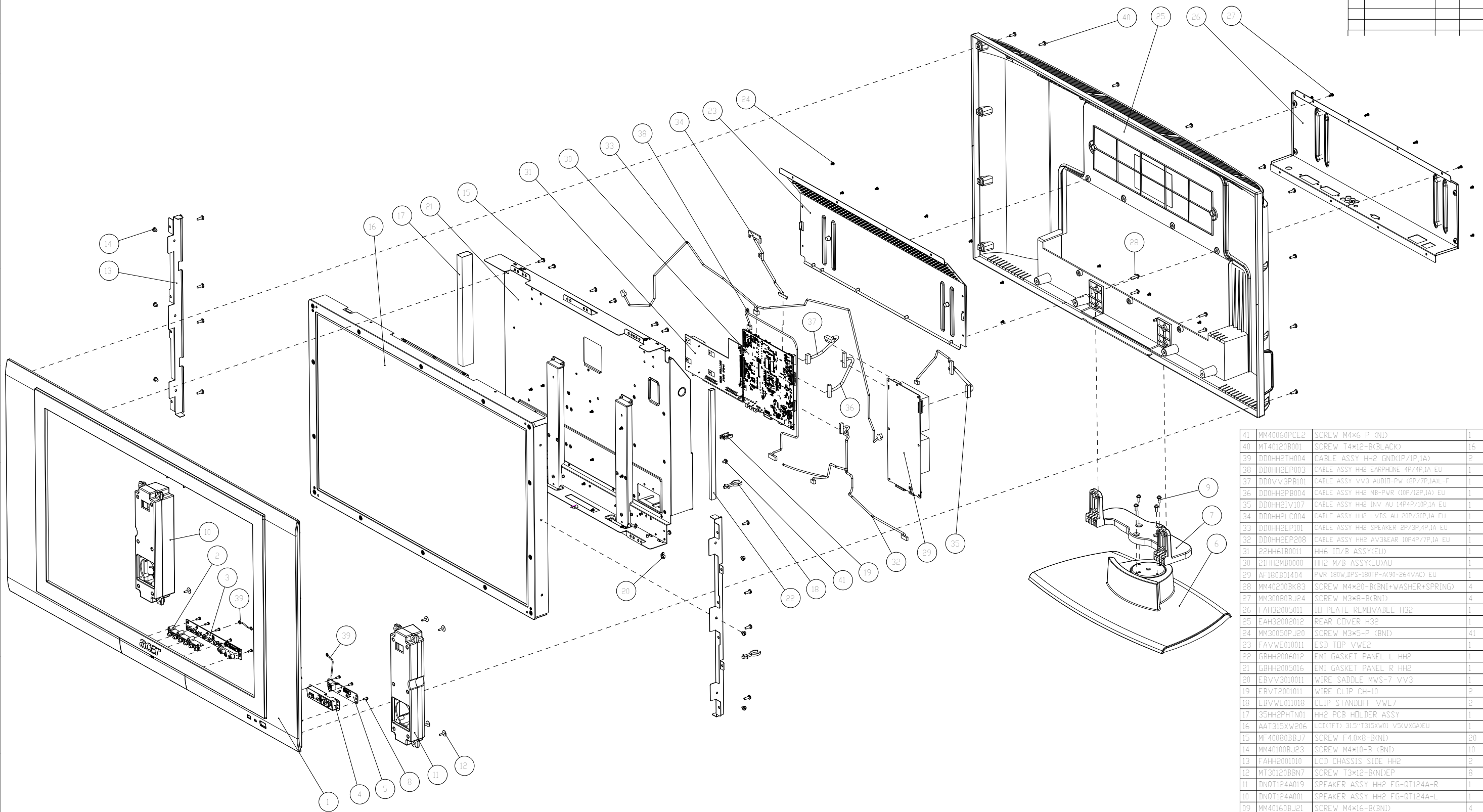
Category	Partname	Description	Acer Part No.
	LCD BEZEL	HH2 LCD-BEZEL ASSY	60.M12V7.003
	FRONT COVER	"FUN KEY DOOR H32(EBH32001,REV3 A)"	42.M12V7.001
	POWER/LED/IR COVER ASSY	HH2 POWER-IR-LED ASSY	42.M12V7.002
	I/O PLATE W/DVI - PAL EU	IO PLATE REMOVABLE (DVI) EU (FAHH2010, 3A)	33.M23V7.001
	ESD TOP PLATE	"ESD TOP VWE2(FAVWE010,REV3B)"	33.M12V7.004
	LCD BRACKET	"LCD CHASSIS SIDE HH2(FAHH2001,REV3 A)"	33.M12V7.005
	PCS HOLDER	HH2 PCB HOLDER ASSY	33.M12V7.006
	FUNCTION KEY	"FUNCTION KEY VWE6(EBVWE016,REV3A)"	42.M12V7.003
N/A	EMI GASKET - PANEL L	"EMI GASKET PANEL L HH2(GBHH2006,REV3 A)"	47.M12V7.001
N/A	EMI GASKET - PANEL R	"EMI GASKET PANEL R HH2(GBHH2005,REV3 A)"	47.M12V7.002
LCD			

Category	Partname	Description	Acer Part No.
N/A	LCD TFT 3.15 IN WXGA AU T315XW01 V5	LCD(TFT) 31.5" T315XW01 V5 (WXGA) EU	56.M03V7.002
SPEAKER			
	SPEAKER - L	"SPEAKER ASSY HH2 FG-QT124A- L(2P,REV2A)"	23.M12V7.001
	SPEAKER - R	"SPEAKER ASSY HH2 FG-QT124A- R(2P,REV2A)"	23.M12V7.002
SCREW			
N/A	"IO NUT VT1(MBVT1002,REV3 A)"	"IO NUT VT1(MBVT1002,REV3 A)"	86.M01V7.010
N/A	SCREW T4*12- B(BLACK)	SCREW T4*12- B(BLACK)	86.M03V7.004
N/A	SCREW T3*8- P(BLACK)	SCREW T3*8- P(BLACK)	86.M03V7.003
N/A	SCREW M4*10-B (BNI)	SCREW M4*10-B (BNI)	86.M03V7.002
N/A	SCREW M4*6 P (NI)	SCREW M4*6 P (NI)	86.M01V7.002
N/A	SCREW M3*8-B(BNI)	SCREW M3*8-B(BNI)	86.M12V7.001
N/A	SCREW M4*20- B(BNI+WASHER+SPR ING)	SCREW M4*20- B(BNI+WASHER+SPR ING)	86.M12V7.002
N/A	SCREW M3*5-P (BNI)	SCREW M3*5-P (BNI)	86.M12V7.003
N/A	SCREW M4*16-B(BNI)	SCREW M4*16-B(BNI)	86.M12V7.004
N/A	SCREW F4.0*8-B(NI)	SCREW F4.0*8-B(NI)	86.M12V7.005
N/A	SCREW T3*12- B(NI)EP	SCREW T3*12- B(NI)EP	86.M12V7.006
N/A	SCREW T3.0*10.0- P(NI)	SCREW T3.0*10.0- P(NI)	86.M12V7.007
MISCELLANEOUS			
N/A	STANDOFF CLIP	"CLIP STANDOFF VWE7(EBVWE011,RE V3A)"	47.M12V7.008
N/A	WIRE CLIP	"WIRE CLIP CH- 10(EBVT2001,REV3A) "	47.M12V7.004
N/A	WIRE SADDLE	"WIRE SADDLE MWS- 7 VV3(EBVV3010,REV3 A)"	42.M03V7.013
LABEL			

Category	Partname	Description	Acer Part No.
	POWER LABEL	"LABEL POWER HH2(HCHH2014,REV3 A)"	40.M12V7.001
N/A	I/O TURNER LABEL - NTSC US / PAL AUS	"LABEL HH2 TUNER, AU(HCHH2004,REV3 A)"	40.M12V7.002
N/A	MB LABEL W/DVI - PAL EU/AUS	"LABEL (DVI) EU HH2 (HCHH2029,REV3A)"	40.M23V7.001
PACKING			
N/A	CARTON CLASP	"CARTON CLASP VW7(JXVW7001,3A)"	47.M12V7.101
N/A	EPS FORM - TOP	"EPS FOAM(TOP)HH2(HBH H2001,REV3A)"	47.M12V7.102
N/A	EPS FORM - BASE	"EPS FOAM(BASE)HH2(HB HH2002,REV3A)"	47.M12V7.103
N/A	EPS FORM - PIZZA BOX	"EPS FOAM FOR PIZZA BOX HH2(HBHH2007,3A)"	47.M12V7.104
N/A	CARTON - BASE	"CARTON(BASE)HH2(HFHH2001,REV3A)"	47.M12V7.105
N/A	CARTON - COVER	"CARTON(COVER)HH 2(HFHH2007,3A)AT32 02 ACER"	47.M12V7.106

Exploded Diagram

No.	Description	Quantity
1	HH2 LCD-BEZEL ASSY	1
2	FUNCTION KEY VWE6	1
3	HH6 KEYPAD &AV3 /B ASSY	1
4	HH2 POWER-IR-LED ASSY	1
5	HH6 IR/B ASSY	1
6	HH2 STAND-SUB ASSY	1
7	STAND NECK METAL H32	1
8	SCREW T3*8-P (BLACK)	13
9	SCREW M4*16-B (BNI)	4
10	SPEAKER ASSY HH2 FG-QT124A-L	1
11	SPEAKER ASSY HH2 FG-QT124A-R	1
12	SCREW T3*12-B(NI)EP	8
13	LCD CHASSIS SIDE HH2	2
14	SCREW M4*10-B (BNI)	10
15	SCREW F4.0*8-B(NI)	20
16	LCD(TFT) 31.5" T315XW01 V5(WXGA)EU	1
17	HH2 PCB HOLDER ASSY	1
18	CLIP STANDOFF VWE7	2
19	WIRE CLIP CH-10	2
20	WIRE SADDLE MWS-7 VV3	1
21	EMI GASKET PANEL R HH2	1
22	EMI GASKET PANEL L HH2	1
23	ESD TOP VWE2	1
24	SCREW M3*5-P (BNI)	41
25	REAR COVER H32	1
26	IO PLATE REMOVABLE H32	1
27	SCREW M3*8-B (BNI)	4
28	SCREW M4*20-B (BNI+WASHER+SPRING)	4
29	PWR 180W.DPS-180TP-A(90~240VAC) EU	1
30	HH2 M/B ASSY (EU) AU	1
31	HH6 IO/B ASSY (EU)	1
32	CABLE ASSY HH2 AV3&EAR 10P4P/7P, 1A EU	1
33	CABLE ASSY HH2 SPEAKER 2P/3P, 4P, 1A EU	1
34	CABLE ASSY HH2 LVDS AU 20P/30P, 1A EU	1
35	CABLE ASSY HH2 INV AU 14P4P/10P, 1A EU	1
36	CABLE ASSY HH2 MB-PWR (10P/12P, 1A) EU	1
37	CABLE ASSY VV3 AUDIO-PW (8P/7P, 1A) L-F	1
38	CABLE ASSY HH2 EARPHONE 4P/4P.1A EU	1
39	CABLE ASSY HH2 GND (1P/1P, 1A)	2
40	SCREW T4*12-B (BLACK)	16
41	SCREW M4*6 P (NI)	1



ITEM	QUANTA P/N	DESCRIPTION	
41	MM40060PCE2	SCREW M4x6 P (NI)	1
40	MT40120B001	SCREW T4x12-B(BLACK)	16
39	DD0HH2TH004	CABLE ASSY HH2 GND(1P/1P,1A)	2
38	DD0HH2EP003	CABLE ASSY HH2 EARPHONE 4P/4P,1A EU	1
37	DD0VV3PB101	CABLE ASSY VV3 AUDIO-PW (8P/7P,1A)L-F	1
36	DD0HH2PB004	CABLE ASSY HH2 MB-PWR (10P/12P,1A) EU	1
35	DD0HH2IV107	CABLE ASSY HH2 INV AU 14P4P/10P,1A EU	1
34	DD0HH2LC004	CABLE ASSY HH2 LVDS AU 20P/30P,1A EU	1
33	DD0HH2EP101	CABLE ASSY HH2 SPEAKER 2P/3P,4P,1A EU	1
32	DD0HH2EP208	CABLE ASSY HH2 AV3&EAR 10P4P/7P,1A EU	1
31	22HH61B0011	HH6 ID/B ASSY(EU)	1
30	21HH2MB0000	HH2 M/B ASSY(EU)AU	1
29	AF180B01404	PWR 180W,DPS-180TP-A(90-264VAC) EU	1
28	MM40200BK83	SCREW M4x20-B(BNI+WASHER+SPRING)	4
27	MM30080BJ24	SCREW M3x8-B(BNI)	4
26	FAH32005011	ID PLATE REMOVABLE H32	1
25	EAH32002012	REAR COVER H32	1
24	MM30050PJ20	SCREW M3x5-P (BNI)	41
23	FAVWE010011	ESD TOP VWE2	1
22	GBHH2006012	EMI GASKET PANEL L HH2	1
21	GBHH2005016	EMI GASKET PANEL R HH2	1
20	EBVV3010011	WIRE SADDLE MWS-7 VV3	1
19	EBVT2001011	WIRE CLIP CH-10	2
18	EBVWE011018	CLIP STANDOFF VWE7	2
17	35HH2PHTN01	HH2 PCB HOLDER ASSY	1
16	AAT315XW206	LCD(TFT) 31.5"/T315XW01 V5(WXGA)EU	1
15	MF40080BBJ7	SCREW F4.0x8-(BNI)	20
14	MM40100BJ23	SCREW M4x10-B (BNI)	10
13	FAHH2001010	LCD CHASSIS SIDE HH2	2
12	MT30120BBN7	SCREW T3x12-B(BNI)EP	8
11	DNQT124A019	SPEAKER ASSY HH2 FG-QT124A-R	1
10	DNQT124A001	SPEAKER ASSY HH2 FG-QT124A-L	1
09	MM40160BJ21	SCREW M4x16-B(BNI)	4
08	MT30080PP002	SCREW T3x8-P(BLACK)	13
07	FAH32003019	STAND NECK METAL H32	1
06	36HH2SATN08	HH2 STAND-SUB ASSY	1
05	35HH61B0005	HH6 IR/B ASSY	1
04	33HH2PLTN07	HH2 POWER-IR-LED ASSY	1
03	34HH6KB0008	HH6 KEYPAD &AV3 /B ASSY	1
02	EBVWE016010	FUNCTION KEY VWE6	1
01	32HH2LBTN02	HH2 LCD-BEZEL ASSY	1
ITEM	QUANTA P/N	DESCRIPTION	