

Acer AT1935 LCD TV

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 AT1935 service guide.

Date	Chapter	Updates
2007/11/1	Chapter 1 ~ 4	1st edition

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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.

System Specification

Specification

LCD Panel

Max. resolution: 1440 x 900

4 CCFTs Backlight system

Display area: 19 inches

Display color: 16.7 M colors (RGB 6Bits+HiFRC)

Input Signal: 2-ch LVDS

Contrast ratio: 800:1 (Typical)

Brightness: 300 Cd/m² (Typical)

Response Time: 5 ms (Typical)

Viewing angle: 80° (L) / 80° (R), 80° (U) / 80° (D)

I/O functions

21 pin Euro-SCART (RGB) for Video, S-Video, R.G.B. and Audio

RCA jack (YUV and CVBS) for YPbPr, YCbCr, Video and Audio

15 pin D-Sub for VGA

19 pin D-Sub for HDMI

DIN45325 (IEC169-2) Terminal for TV / CATV input

3.5 Earphone jack for Audio Line input

3.5 Earphone jack for Headphone output

Video Functions

Support PAL / NTSC / SECAM video format

Support 480i/576i, 480p/576p, 1080i and 720p format

Build in Teletext functions

Build in Dynamic adaptive smoothing filter

Build in Dynamic temporal frame-filtering Noise Reduction

Build in Dynamic motion and edge adaptive De-interlacing

Film mode 3:2 & 2:2 pull down

Screen display mode Auto(Wide detect)/Full/16:9/4:3/Panorama/Letterbox1/2/3

Mechanical

VESA mounting holes

Compatibility

Multi-Sound system

NICAM

FM Stereo (A2)

Power Source

Input voltage: 90 ~ 264 V, 47 ~ 63 Hz

Input current: 220Vac/1A

Power consumption: 60 Watts

Stand-by: 1 Watts Max.

Remote controllers

Multi-function remote controller

Speaker

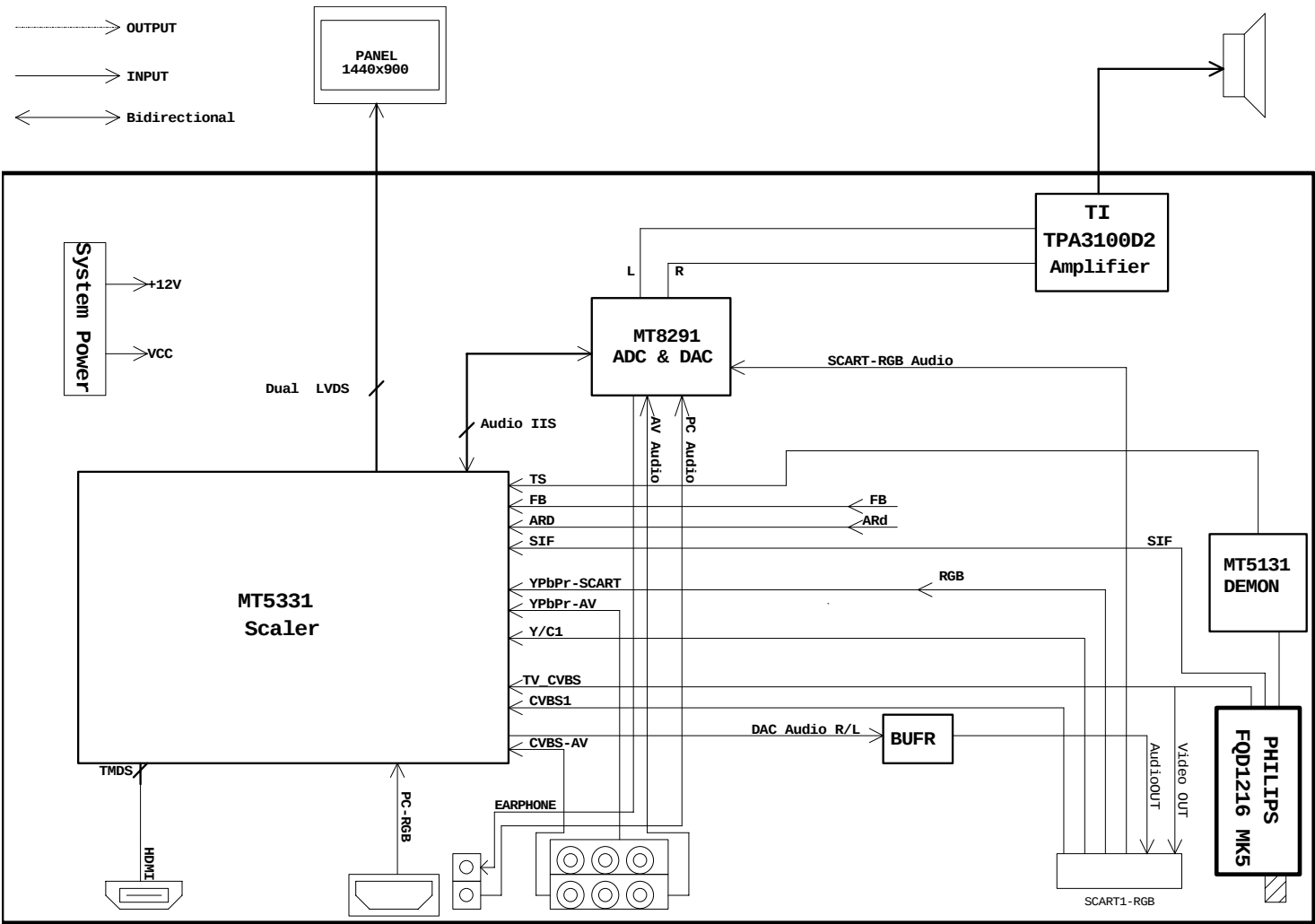
Internal speaker: 3 W x 2 stereo, volume adjustable

Others

On screen display adjustment function

ISP (In System Programming) function available for revising driver easily

System Block & Wiring Diagram



Remote Control



Key Functions

Remote Function description		
R/C for Europe	Key Functions	Remark (for cardreader)
Power	Power On/Off	
Display	Display Channel and Input Source	
Mute	Mute On/Off	
TV	TV Turner	
SCART	SCART	
AV	Composite/Component/HDMI	
PC	VGA	
Sleep	Sleep Timeer Off 15/30/45/60/90/120	
Wide	Scaling Mode (Full/4:3 /16:9 /Panorama /Letterbox)	
Menu	Open Menu or leave Menu	
Four way direction key		
up	Navigate up in the OSD or next (sub)page in teletext mode	
down	Navigate down in the OSD or pevious (sub) page in teletext mode	
left	Navigate left in the OSD	
right	Navigate right in the OSD	
OK	Selection Confirm	
Channel key		
1	Number key 1	
2	Number key 2	
3	Number key 3	
4	Number key 4	
5	Number key 5	
6	Number key 6	
7	Number key 7	
8	Number key 8	
9	Number key 9	
0	Number key 0	
Recall	Return to previous channel	
Enter	Enter to confirm channel selection by number key	
Channel UP	Channel up	
Channel Down	Channel down	
Volume key		
MPX	NICAM	
	STEREO Broadcast : Stereo/Mono	

	BILIGUAL Broadcast : Sound 1 / Sound 2	
	MONAURAL Broadcast: Mono	
	FM-FM	
	STEREO Broadcast: Stereo/Mono	
	BILINGUAL Broadcast : Sound 1 / Sound 2	
Volume up	Volume up	
Volume down	Volume down	
Teletext	Teletext on/off	
Index	Go to index page (usually page 100)	
Subpage	Enter/Leave subpage mode	
Reveal	Display Hidden Information	
Hold	Temporarily holds the current teletext page if TEXT on	
	Froze the picture if TEXT off	
Size	Zoom page toggle 1X/2X	
	Page select by Up-arrow and Down-arrow	
Teletext	Turn teletext mode on/off	
Subtitle	Show subtitle on the screen	
R	Colour button to operate the teletext	
G	Colour button to operate the teletext	
Y	Colour button to operate the teletext	
C	Colour button to operate the teletext	

Hardware Specification and Configuration

Electro / Optical

Model

AT1935

Panel specification

Resolution(pixels)	1440x900
Brightness(min.)	300 cd/m ²
Contrast ratio(min.)	800:1(Typ.)
Display color	16.7 M
Viewing angle	160(H)/160(V)
Response(typ.)	5ms

Power supply

Input	90-264 V, 47-63 Hz
Max. power Consumption	60W
Power saving	1W

Mechanical

Dimensions(WxHxD mm)	612.29*814.44*261.45
Weight(Kg)	N/A

Analog TV system

TV Color system	DVB-T
TV Color system	PAL.SECAM
Sound system	B/G/D/K/I/L
Stereo system	NICAM/ A2
Subtitle	Teletext 1.5 (1000 pages)

Digital TV System

Digital TV standard	DVB-T
Sound system	ISO11172-3 layer1 & layer2 32KHz,44.1KHz,48KHz
Stereo system	MPEG (Layer I & II) Stereo 32 / 44.1 / 48KHz
Teletext	Yes
Subtitle	Yes
EPG	7days EPG
Frequency	7/8 MHz
Video format	16bit YUV
Resolution	SD(576i/480i)

Terminal

RF	75Ω DIN45325 (IEC169-2) Type
SCART	Euro-SCART (RGB) for Video, S-Video, RGB and Audio
Composite & Component	RCA for YPbPr or Video and Audio R/L
HDMI	HDMI connect for hdmi time and DVI mode

PC Analog Port	D-Sub 15 pin VGA and 3.5	Earphone jack for Audio
Headphone	3.5	Earphone jack for Audio
Service Port	ISP through D-Sub	

Audio system

Speaker	3 W x 2
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Firmware Specifications

Preset Mode for VGA Input

16 factory pre-set modes for VGA inputs are saved during the manufacturing process.

Please press "Volume-" + "Channel+" + "POWER" to enter the LCD TV factory mode.

	Resolution	Hor. Freq. (kHz)	Vert. Freq. (Hz)	Standard	Format
1	640 x 350	31.5	70	VGA	
2	720 x 400	31.5	70.1	VGA	
3	640 x 480	31.5	59.9	VGA	
4	640 x 480	35	66.7	MAC	
5	640 x 480	37.9	72.8	VESA	
6	640 x 480	37.5	75	VESA	
7	640 x 480	43.3	85	VESA	
8	800 x 600	35.2	56.3	VESA	
9	800 x 600	37.9	60.3	VESA	
10	800 x 600	48.1	72.2	VESA	
11	800 x 600	46.9	75	VESA	
12	800 x 600	53.7	85.1	VESA	
13	832 x 624	49.7	74.6	MAC	
14	1024 x 768	48.4	60	VESA	
15	1024 x 768	56.5	70.1	VESA	
16	1024 x 768	60	75	VESA	
17	1280 x 768	47.8	59.9	VESA	
18	1280 x 768	60.3	74.9	VESA	
19	1280 x 720	45	59.9	VESA	16:09
20	1280 x 1024	64	60	VESA	
21	1440 x 900	55.9	59.9	VESA	16:09
22	1440 x 900	70.6	75	VESA	16:09

This LCD TV would detect the used mode automatically.

Power Saving

While VGA is selected to be input, this LCD TV is equipped with a power-management according to VESA DPMS. There is a delay of 30 ± 2 seconds before the transition from On-state to power saving state to avoid unintentionally entering of a power saving state during display resolution and timing mode changes. During the period of delay, the LED shall indicate green color and OSD will show " NO VGA CONNECTION ".

Transition from any power saving state to another can be instantaneous. The recovery from Off-state requires no manual power on.

Mode	Hsync	Vsync	Video	Power	Indication	Recovery time
Power-On	On	On	Active	< 60W	Green	--
Stand-by	Off	On	Off	< 1W	Red	<10s
Suspend	On	Off	Off	< 1W	Red	<10s
Off-state	Off	Off	Off	< 1W	Red	<10s
Power off	x	x	x	< 1W	Dark	Turn on <10s

Sync on means: normal operation

Sync off means: Hsync: $f < 1$ KHz, duty cycle $> 25\%$, Vsync: $f < 10$ Hz, duty cycle $> 25\%$

The power-consumption is valid over the specified voltage and frequency range.

Power consumption is measured from AC source.

There are no power saving modes for TV, SCART or HDMI or Composite or Component inputs.

Performance Specifications

The performance shall be checked at 25°C environment.

White Balance and Uniformity

Set contrast and brightness at 50.

Adjustment Brightness min. 250 nits in all color temperatures.

The R, G, B gain could not exceed 512. (R, G, B could not saturation)

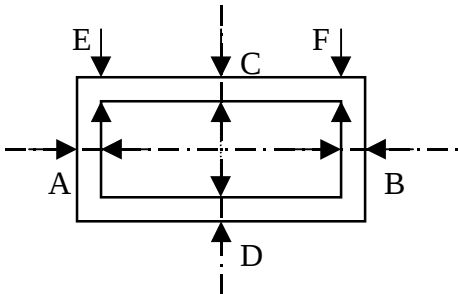
	White Balance (255/255)	Dark Balance (60/255)
COLD	x 0.285 (+/-0.007); y 0.293 (+/-0.007)	x 0.285 (+/-0.007); y 0.293 (+/-0.007)
STANDARD	x 0.300 (+/-0.007); y 0.310 (+/-0.007)	x 0.300 (+/-0.007); y 0.310 (+/-0.007)
WARM	x 0.317 (+/-0.007); y 0.327 (+/-0.007)	x 0.317 (+/-0.007); y 0.327 (+/-0.007)

Inspection tolerance for CF9E as below: Brightness 250 nits

	White Balance (255/255)	Dark Balance (60/255)
COLD	x 0.285 (+/-0.007); y 0.273 (+/-0.007)	x 0.285 (+/-0.007); y 0.293 (+/-0.007)
STANDARD	x 0.300 (+/-0.007); y 0.310 (+/-0.007)	x 0.300 (+/-0.007); y 0.310 (+/-0.007)
WARM	x 0.317 (+/-0.007); y 0.327 (+/-0.007)	x 0.317 (+/-0.007); y 0.327(+/-0.007)

Display Area, Phase, Center and Tilt

- Display Area: 19 inches diagonal
- H-Phase: A-B Less than 1.5mm
- V-Center: C-D Less than 1.5mm
- Tilt: E-F Less than 1.5mm, but non-active area must be larger than zero for four sides



Max. Brightness

The brightness should exceed 250 Cd/m² while set both of contrast and brightness to max. and color temperature of Standard is selected. (Typical value would be 300 Cd/m²).

Power Supply Electrical Specifications

The power supply for this product is an internal converter, with a non-replaceable fuse internally.

This converter shall be well designed to meet CE mark requirement.

Input Voltage and Frequency Range

- The operating range of line voltage shall be:
- AC 90 volts to 264 volts, 47 Hz to 63 Hz
- Power consumption shall be under 60 Watts
- Variation of the line voltage throughout the applicable operating range shall not result in any visible image anomalies such as image movement, changes in light output, nor changes in image stability or quality.

Line Fuse

The AC input shall be fused and become electrically open as a result of an unsafe current condition. This fuse is inside the power supply converter and is not user replaceable, and must be returned for replacement.

This fuse shall be well selected to handle inrush current for all combinations of line voltage and frequency.

Hot plug and power on / off sequence

Once hot plug occurs, at the very first time, the initial current should be limited at 2.3 amps or lower when power off→ on. Current will stay below 500m amps at AC 240 volts while power on→off, then ramp up to full power (about 2.3 amps at AC 240 volts) within 5 seconds when power-up signal is triggered. For the shut down sequence, the current will stay at full power for about 150 m seconds or less, then ramp down to 500m amps at AC 240 volts within 1 second.

Power on LED Location and Type

Power on indicator shall be easily visible from the front of the display.

Inverter

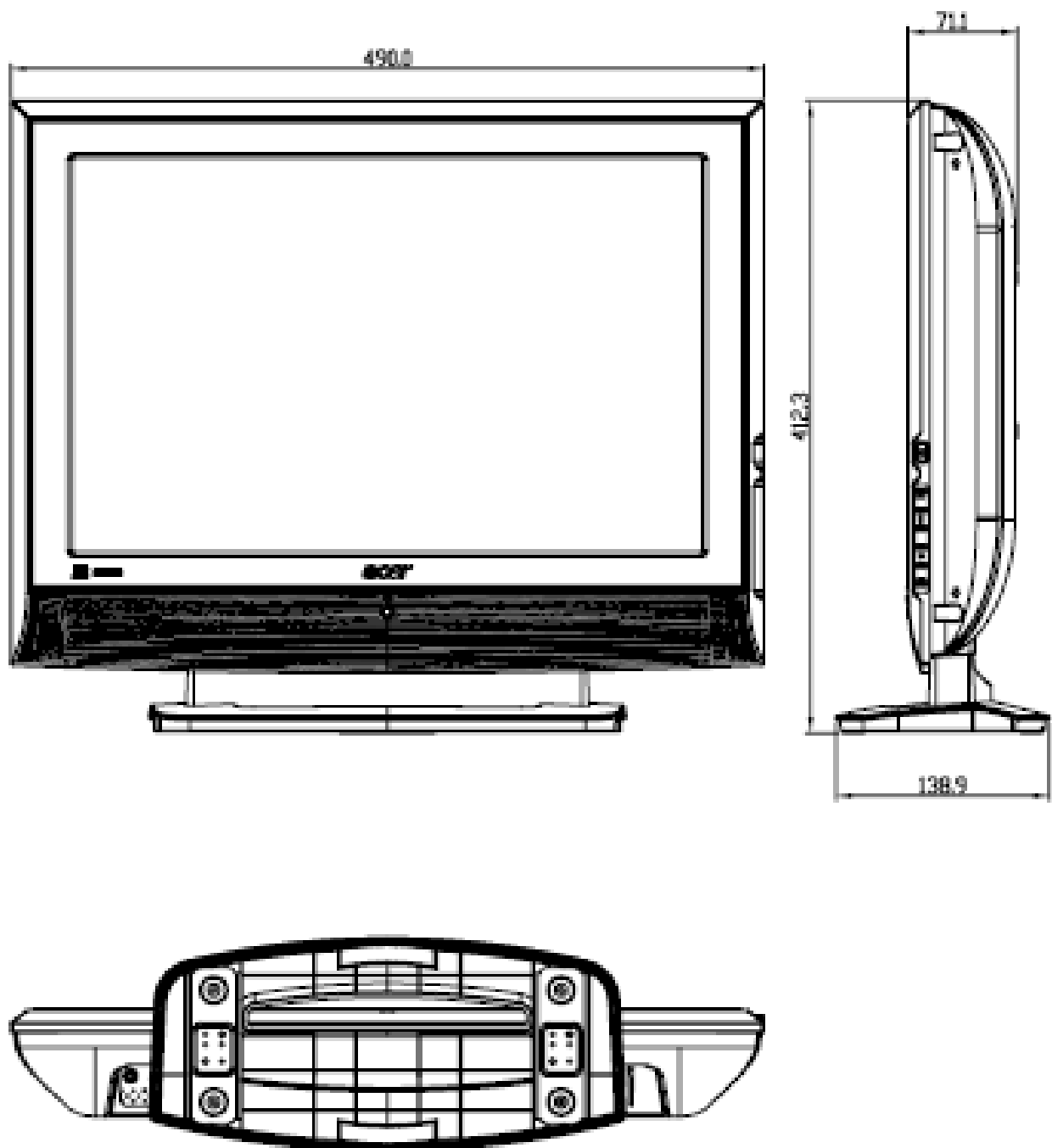
The inverter which is used to light up back-light of LCD panel shall be well designed to meet requirement of panel's specification.

Overall Dimensions

Height: 612.29 mm

Width: 814.44 mm

Depth: 261.45 mm



Environmental Requirements

This display shall meet the following environmental requirements under normal operating conditions.

Operating

25° ± 5° for Purity, White Point, Mis-convergence, Luminance measurements and White uniformity measurement

Operating temperature: 0°C to 35°C

Operating humidity: 10 % to 90 % (non-condensing)

Storage and Shipping

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)

Altitude

Units tested at an altitude up to 12,000 feet must operate at normal conditions without exhibiting abnormal behavior such as arcing or shutdown.

Operating altitude: 0 to 12,000 feet

Shipping altitude: 0 to 40,000 feet

Storage altitude: 0 to 40,000 feet

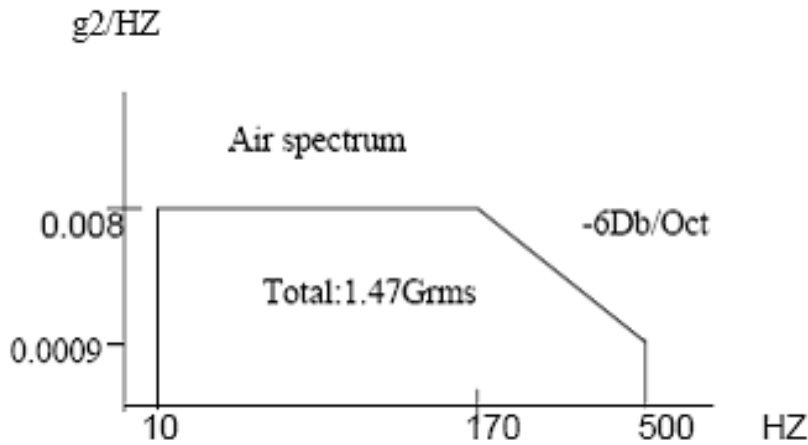
Vibration Test

The packaged display shall be capable of passing sinusoidal vibration test as specified in follows.

Test condition as below:

Package sinusoidal vibration 7Hz, 1.05G acceleration, 20min/axe, 3axes

Random vibration, 10-500 Hz, 1.47G RMS



The unit under test shall be run for a duration of 30 minute in each of following orientations :

Top and bottom side (z axis).

Left and right side (x axis).

Front and rear side (y axis).

The unit shall suffer no visible cosmetic damage and should operate no degradation indisplay quality after test.

Additionally, prior to production and prior to implementation of any design or manufacturing change that might affect vibration performance, a minimum of 2 units shall be demonstrated to meet the requirements of specification.

Drop Test

The packaged display shall be capable of passing drop test as specified in following specification without any measurable degradation in performance or detectable mechanical or cosmetic damage.

Dropping way: 1 corner, 3 edges, 6 flats

Dropping Height: follow the below table

Mass (kg)	Drop Height (m)		
	Surface	Edge	Corner
1~9 KG	0.76	0.76	0.76
10~19 KG	0.39	N/A	N/A
20~29 KG	0.36	N/A	N/A
30~39 KG	0.33	N/A	N/A
40~49 KG	0.3	N/A	N/A
>=50 KG	0.25	N/A	N/A

Additionally, prior to production and prior to implementation of any design or manufacturing change that might affect vibration performance, a minimum of 2 units shall be demonstrated to meet the requirements of specification.

VESA DDC

The VGA/HDMI inputs shall be capable of continuously transmitting its Extended Display Identification (EDID) information using Display Data Channel. It shall automatically switch to DDC2 mode if a DDC2 capable host is detected in accordance with the VESA DDC standard.

In addition, the display can respond to a request for EDID, to be transmitted using DDC2, level B commands. If a DDC2 capable host is detected by the display, the display shall switch to DDC2 communication.

The EDID shall contain the manufacture name code QCI, product code, date of manufacture, and serial number.

For complete EDID data structure, please refer to VESA Extended Display Identification Data Standard.

Hardware implementation may be either integrate into micro-controller or be a separate electrical component. EDID memory must be protected against writing or other corruption through customer-accessible electrical connection and required communication channels. Password protection, use of an unpublished enable register, or use of direct electrical connection is acceptable levels of protection provided that the power-on Default State is that disabling writing. The serial number fields in the EDID must contain a unique identifying numbers among units of the same model. EDID Table is defined as below:

For VGA input:

[illegible]

For HDMI input

[illegible]

Machine Disassembly and Replacement

General Information

This chapter contains step-by-step procedures on how to disassemble the AT1935 series for maintenance and troubleshooting. To disassemble the TV, you need the following tools:

Wrist grounding strap and conductive mat for preventing electrostatic discharge

Small Philips screwdriver

Philips screwdriver

Hexagonal screwdriver

Tweezers

Note: The screws for the different components vary in size. During the disassembly process, please group the screws with the corresponding components to avoid mismatch when doing assembly. When you remove the boards, please be careful not to scrape them.

Warning! The module is driven by high voltage. If you need to handle the module during operation or just after powered off, you must take proper precautions against electric shock and must not touch the drive circuit portion and metallic part of module within 10 minutes. The capacitors in the drive circuit portion remain temporarily charged even after the unit is powered off. If the residual voltage is strong enough, it could result in electric shock. Thus, we strongly suggest that you put on the wrist ground strap and put the component on the conductive mat or bag. Besides, please keep the unit grounded during the whole process of disassembly and assembly.

Before You Begin

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

- 1 Turn off the power to the TV and all peripherals.
- 2 Unplug the AC adaptor and all power and signal cables from the TV.



1. Release 7pcs screws from rear cover and take off it.



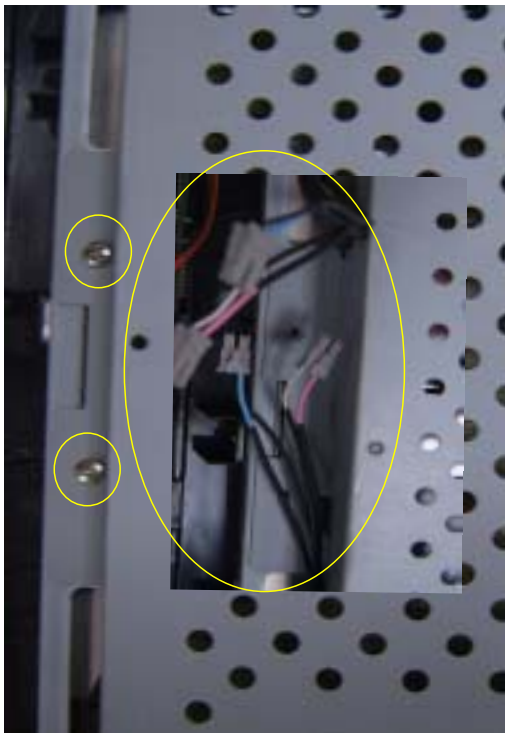
2. Release 8pcs screws from speakers.



3. Release 2pcs screws from IR/B and take off it.

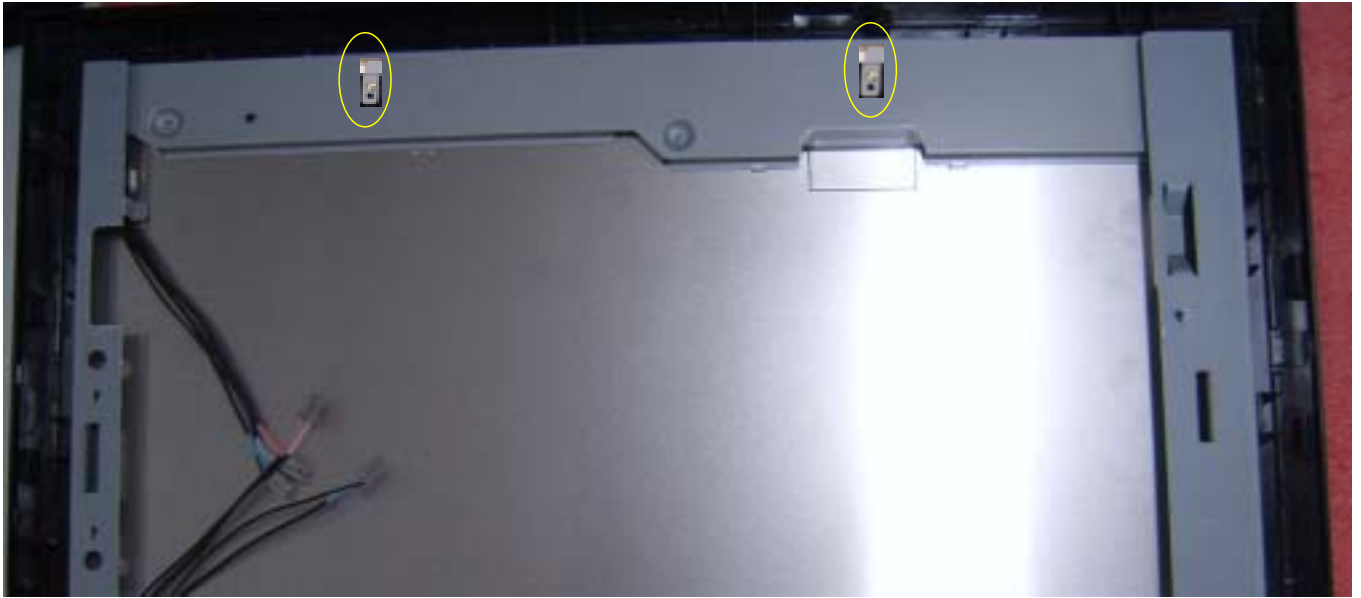


4. Release 4pcs screws from joints.



5. Disconnect the lamp cable, release 4pcs screws from left and right side of shielding, then take off the shielding with PCB boards.





6. Release 2pcs screws from panel hook and take off them.



7. Release 3pcs screws from left side of bezel.



8. Release 3pcs screws from right side of bezel.



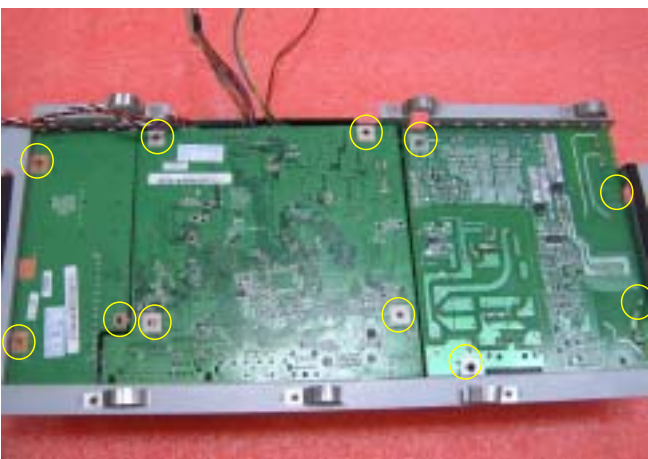
9. Release 2pcs screws from panel hook and take off the bezel from panel.



10. Release 2pcs screws from left side of panel.



11. Release 2pcs screws from right side of panel.



12. Release 12pcs screws from Main/B and Power/B.



13. Disconnect the Main/B, Power/B and IR/B.

Troubleshooting

Use the following procedure as a guide for Acer LCD TV AT1935 series problems.

Note: The diagnostic tests are intended to test this model. Non-Acer products, prototype cards, or modified options could occur false errors and invalid system responses.

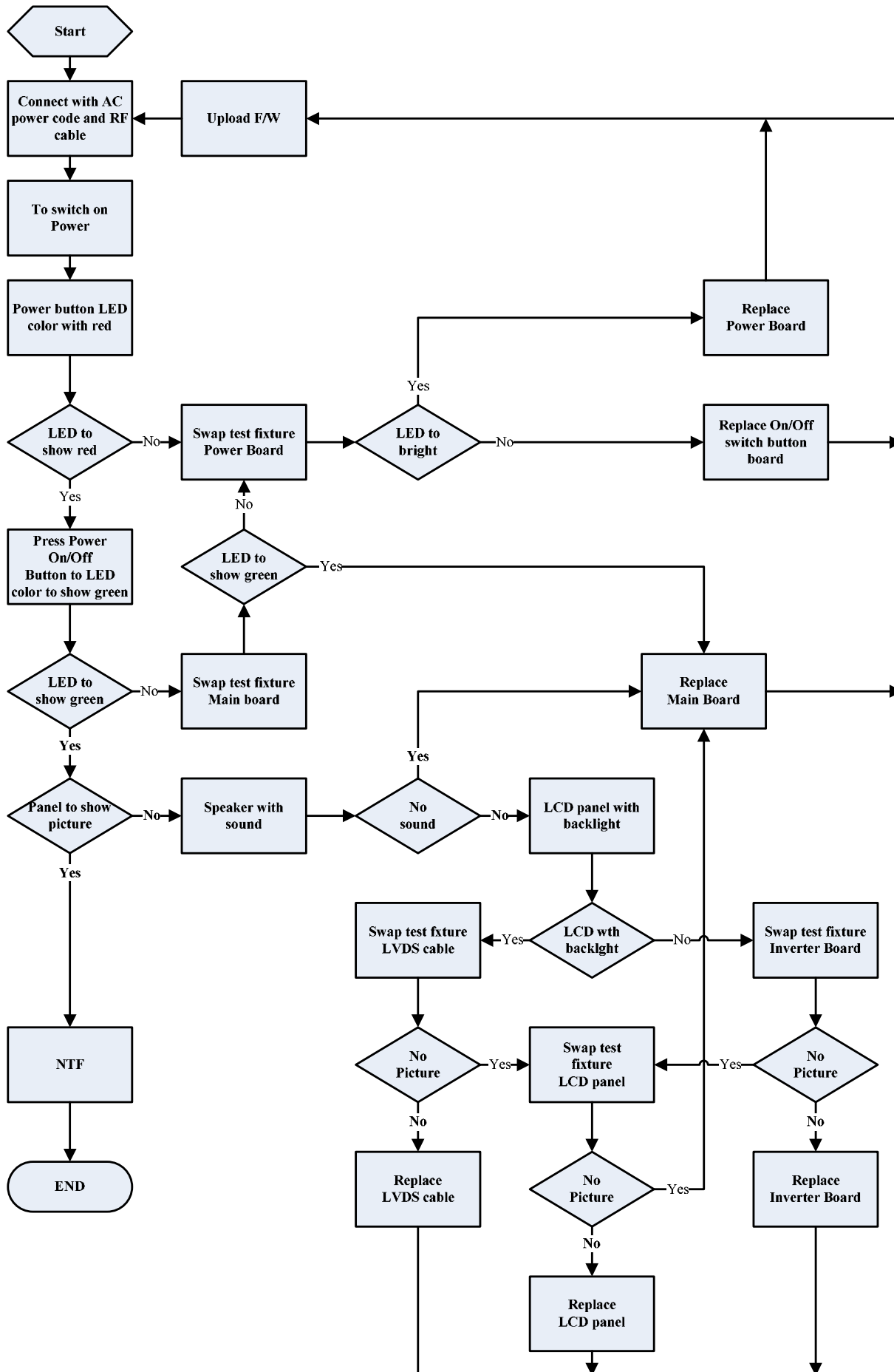
1. Duplicate symptom and obtain the failing symptoms in as much detail as possible.
2. Distinguish symptom. Verify the symptoms by attempting to re-create the failure by running the diagnostic test or by repeating the same operation.
3. Disassemble and assemble the unit without any power sources.
4. If any problem occurs, you can perform visual inspection before you follow this chapter's instructions.

You can check the following:

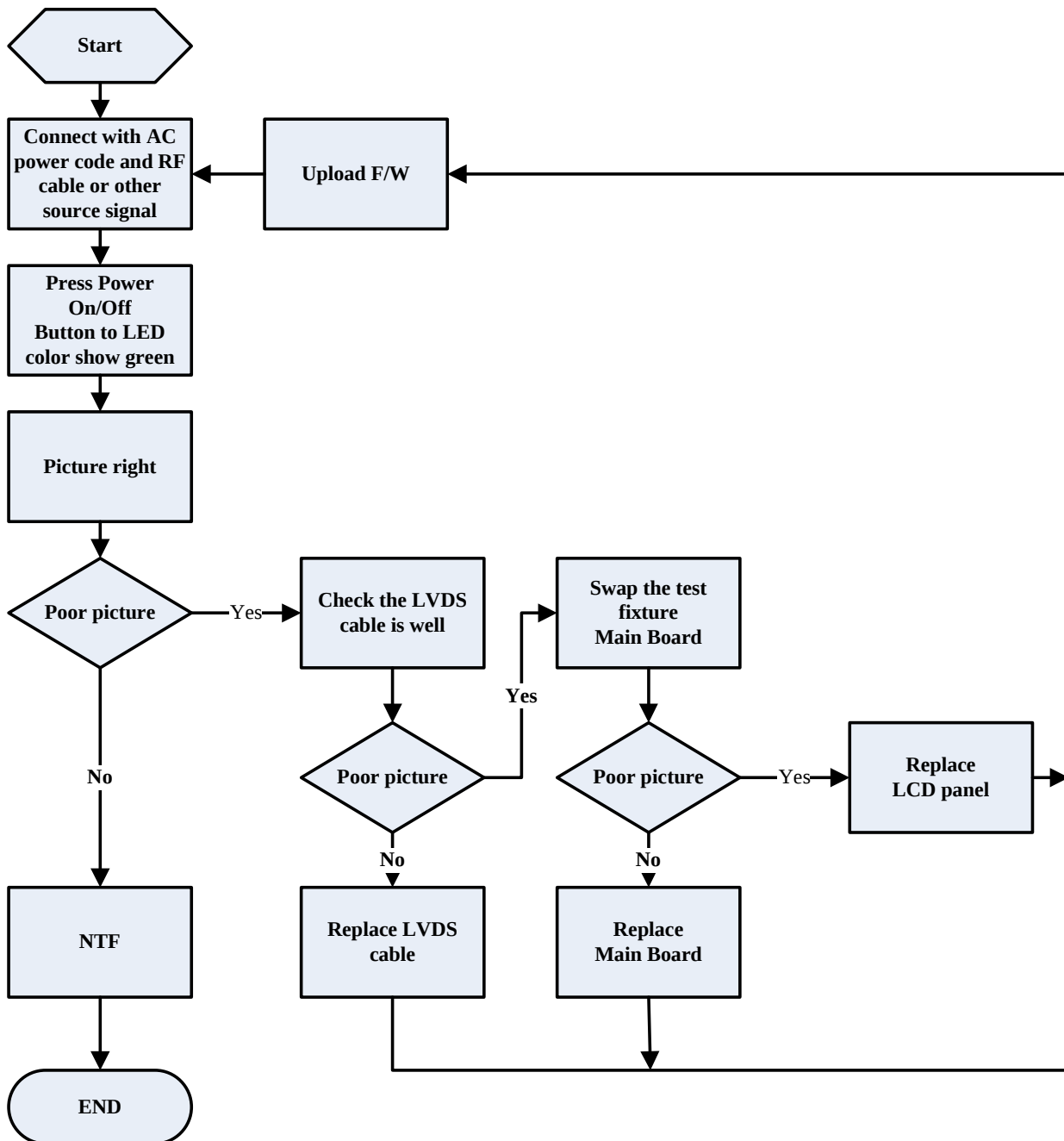
- Power cords are properly connected and secured;
- There are no obvious shorts or opens;
- There are no obviously burned or heated components;
- All components appear normal.

5. Use the following flow chart determine which part to be replaced.

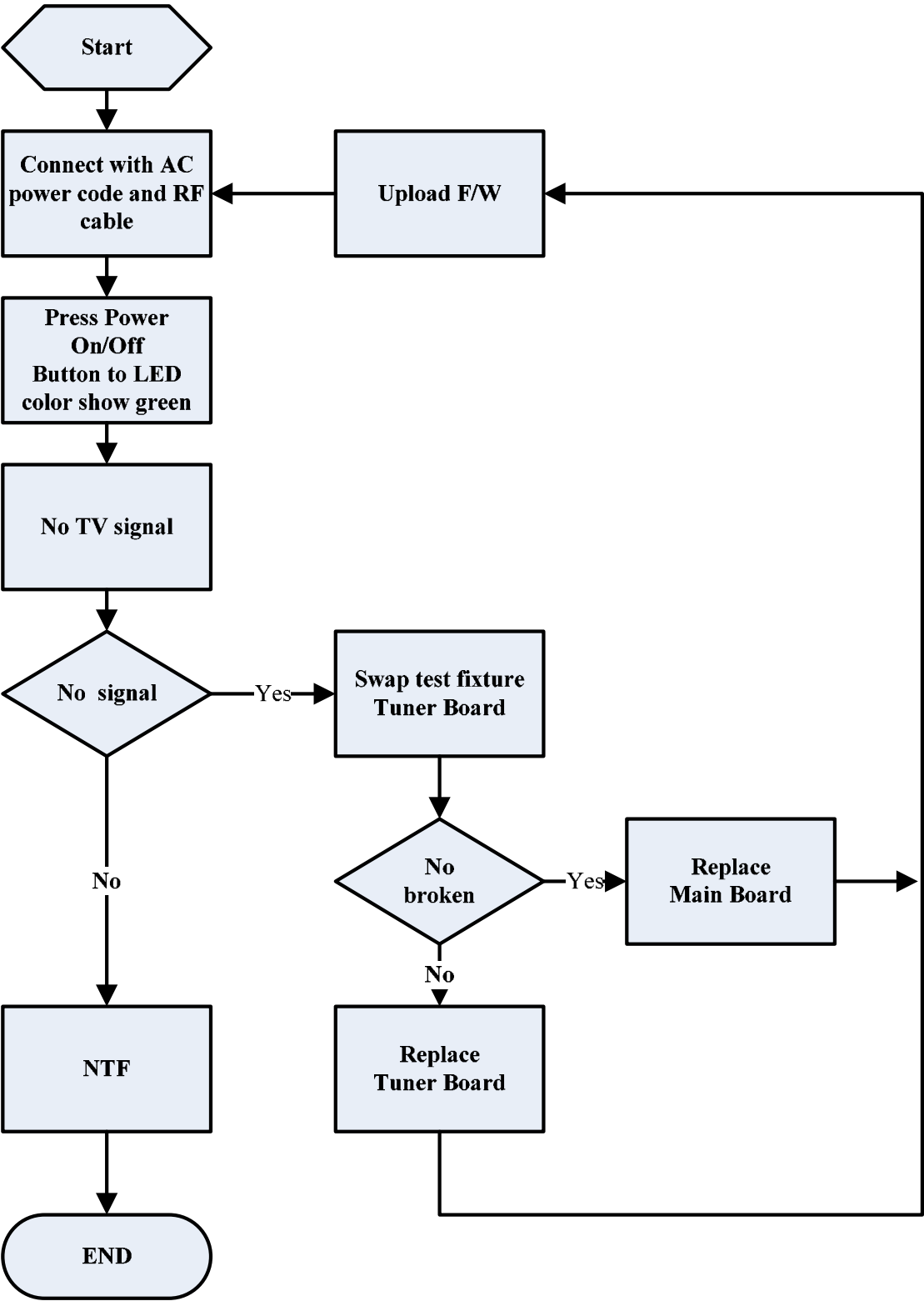
TV NO PICTURE ISSUE



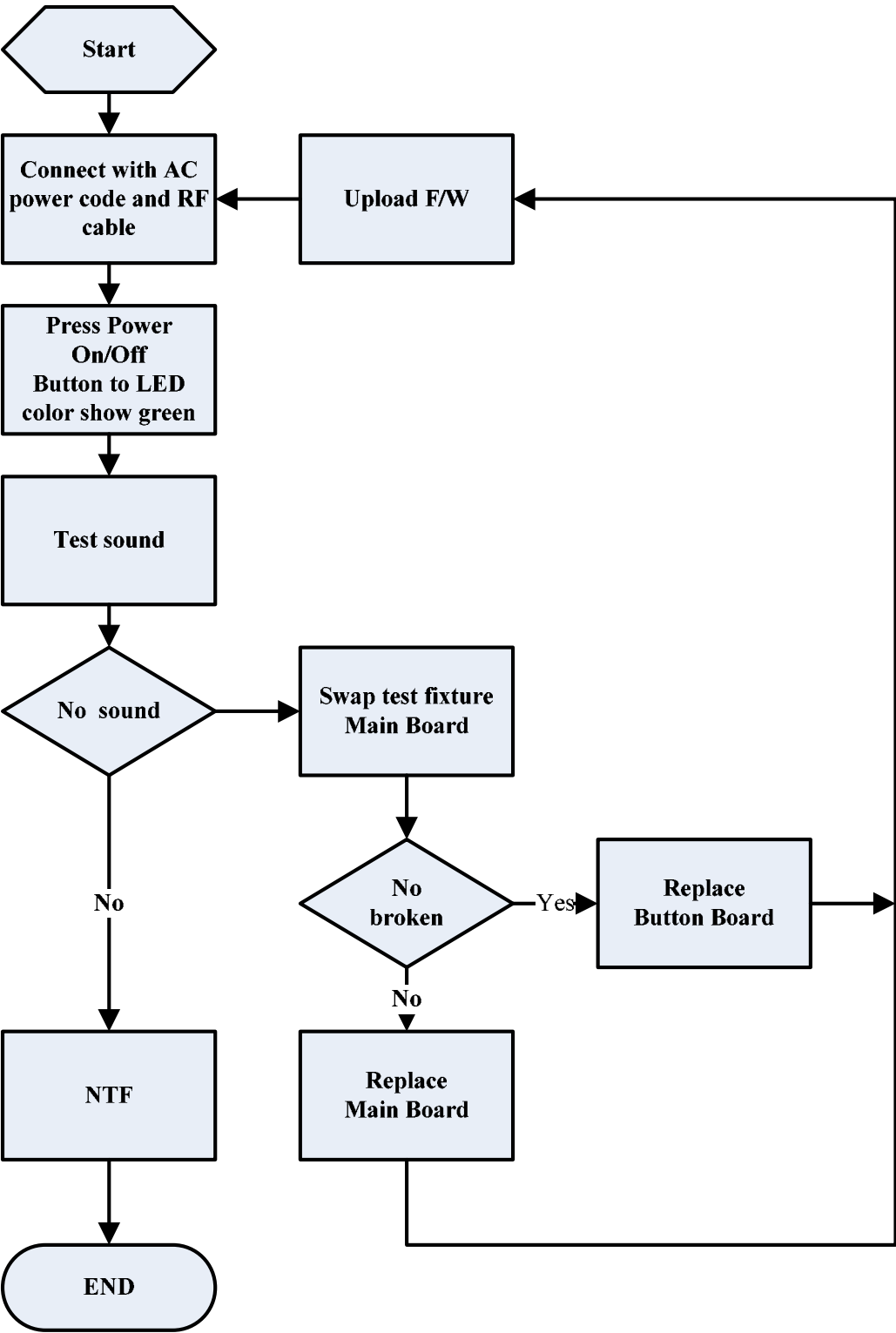
POOR PICTURE QUALITY



NO TV SIGNAL ISSUE



NO SOUND ISSUE



FRU (Field Replaceable Unit) List

This section gives you the FRU (Field Replaceable Unit) list in global configurations of AT1935 series. Please refer to this chapter whenever ordering for 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 change is made, it will NOT be noted on the 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 repair and service of customer machines.

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

PARTS

PART NAME	DESCRIPTION	TVE PART NO.	ACER PART NO.
Accessory			
BATTERY	BATTERY LR03(SN) (ALKALINE,1.5V) GP	AHDALR03120	23.M09V7.012
BATTERY	BATTERY LR03GW/2SK (ALKALINE 1.5V) GP	AHDALR03006	23.M480E.002
PANEL HOOK	PANEL HOOK W0VA(FBW0VA05,REV3A)GP	FBW0VA05014	47.M8107.001
POWER CORD	POWER CORD B 1.8M SP-027/10A (SWIS) GP	DM333181S19	27.L13VE.005
REMOTE	REMOTE CONTROL EURT54B009 GP	DQ754B00901	25.M7607.001
BOARD			
POWER/B	ADP/INV,TBD432AR 90~264V REV:A GP	AS05B322502	55.M480E.001
KEYPAD/B	CF9E KEYPAD/B ASSY GP	23CF9EKB009	55.M8107.001
MAIN/B	CF9E M/B ASSY(AU0) GP	21CF9MB0001	55.M8107.002
IO/B	FV2E IO/B ASSY GP	23FV2EIB009	55.M5607.002
LED/B	S9Q LED/B ASSY(E9T-PV) GP	23S9Q0LE007	55.M480E.003
Cable			
CABLE POWER-MB	CABLE E9T-PV POWER-MB(10P/10P,80MM) GP	DD0E9TPB001	50.M8107.001
CABLE LVDS	CABLE LVDS(30P,150MM)CF9E GP	DDCF9ELC001	50.M8107.002
CABLE MB-KEYIR	CABLE MB-KEYIR(10P/8P/5P 920MM,570MM)CF9	DD0CF9MX001	50.M8107.003
Case/Cover/Bracket/Assembly			
LCD BEZEL ASSY	CF9E LCD TV BEZEL SUB ASSY(AU0) GP	34CF9ELB005	60.M8107.001
REAR COVER	CF9E LCD TV COVER SUB ASSY GP	35CF9ELS004	60.M8107.002
LCD BKT LEFT	LCD BKT LEFT E9T-PV(FAE9T002,REV3B)GP	FAE9T002019	33.M480E.001
LCD BKT RIGHT	LCD BKT RIGHT E9T-PV(FAE9T003,REV3C)GP	FAE9T003015	33.M480E.002
PCB SHIELDING	PCB SHIELDING CF9E(FACF9E01,REV3A)GP	FACF9E01013	33.M8107.001
SHIELDINGSPONGE	SHIELDINGSPONGE E9T(GBE9T001,3A)94*7.5GP	GBE9T001013	33.M8107.002
WIRE MOUNTS	WIRE MOUNTS L70L-E(EBL70023,REV3A) GP	EBL70023013	47.M8107.002
WIRE MOUNTS	WIRE MOUNTS WC-02GB E9T(EBE9T002,R3A) GP	EBE9T002010	47.M8107.003
LCD			
LCD	LCD 19" WXGA M190PW01 V.0 STN B/S GP	AAM190PW001	LK.19005.017
LCD	LCD(TFT) 19" M190PW01 V0(WXGA) QCI GP	AAM190PW000	LK.19005.017
PACKING			
CARTON(	CARTON(AT1935) CF9E(HFCF9E01,REV3B)GP	HFCF9E01018	47.M8107.007
CONDUCT TAPE	CONDUCT TAPE L80W80 CF9E(JXCF9E01,R3A)GP	JXCF9E01015	47.M8107.008
END CAP-L	END CAP-L S9Q(HBS9Q001,REV3A)GP	HBS9Q001018	47.M8107.009
END CAP-R	END CAP-R S9Q(HBS9Q002,REV3A)GP	HBS9Q002014	47.M8107.010
PE BAG	PE BAG 900*720 L0VP(HAL0VP04,R3A)GP	HAL0VP04015	47.M8107.011
PE BAG	PE BAG L0T(HAL0T002,REV3A)GP	HAL0T002019	47.M8107.012
RATING LABEL	RATING LABEL(MIG)CF9E(HCCF9001,REV3A)	HCCF9001010	47.M8107.013
SPACE PLATE W0E	SPACE PLATE W0E(HFW0E002,REV3A) GP	HFW0E002019	47.M8107.014
MISCELLANEOUS			

CONDUCT TAPE	CONDUCT TAPE L150W20 CF9E(JXCF9E02,3A)GP	JXCF9E02011	47.M8107.004
EMI GASKET	EMI GASKET L12W5T1 CF9E(JXCF9E03,R3A)GP	JXCF9E03018	47.M8107.005
EMI GASKET	GASKET 15X15 TUNER IV6(GBIV6E01,R3A)GP	GBIV6E01011	47.M7407.002
LCD FILM	LCD FILM W9ZA(JXW9ZA01,REV3B)GP	JXW9ZA01019	47.M8107.006
PANEL CONTACT PAD	PANEL CONTACT PAD (GBVT2010,REV3A)GP	GBVT2010010	47.M01V7.004
SCREW			
SCREW	IO NUT LI1(MBLI1004,REV3A)GP	MBLI1004018	86.M480E.007
SCREW	SCREW F2.5*6-P(NI,WASHER) GP	MF25060PBN0	86.M480E.001
SCREW	SCREW F3*10,(BNI) GP	MF30100PJ23	86.M8107.001
SCREW	SCREW F3.0*7.0-B (NI) GP	MF30070BBJ1	86.M8107.002
SCREW	SCREW F4.0*10-B(BLACK) GP	MF40100BJ26	86.M1707.006
SCREW	SCREW M3*5-B-NI-+ GP	MM30050BBJ9	86.M8107.003
SCREW	SCREW M3*6-B(BNI) GP	MM30060BJ25	86.M08V7.003
SCREW	SCREW M3.0*4.0-I(NI) GP	MM30040IBJ9	86.M8107.004
SCREW	SCREW M4.0*8.0-B(NI,WASHER)GP	MM40080BBW1	86.M1707.011
SPEAKER			
SPEAKER	SPEAKER(8,5W, 77*42*24)L47.5,R71 P2 GP	DND8508S014	23.M8107.001

Exploded parts list

ITEM	DESCRIPTION	TVI PART NO.	ACER PART NO.	QTY
1	BUTTON LABEL S9T(FFS9T001,REV3A)GP	FFS9T001012		1
2	SPEAKER(8,5W, 77*42*24)L47.5,R71 P2 GP	DND8508S014		2
3	ACER LOGO 26 VWE6(FFVWE003,REV3A) GP	FFVWE003019		1
4	FUNCTION BUTTON S9Q(EBS9Q001,REV3A)GP	EBS9Q001018		1
5	LENS E9T(EBE9T001,REV3A) GP	EBE9T001013		1
6	CF9E KEYPAD/B ASSY GP	23CF9EKB009		1
7	S9Q LED/B ASSY(E9T-PV) GP	23S9Q0LE007		1
8	CABLE MB-KEYIR(10P/8P/5P 920MM,570MM)CF9	DD0CF9MX001		1
9	NON WOVEN CF9E(JXCF9E04,REV3A)GP	JXCF9E04014		4
10	LCD BKT RIGHT E9T-PV(FAE9T003,REV3C)GP	FAE9T003015		1
11	ADP/INV,TBD432AR 90~264V REV:A GP	AS05B322502		1
12	CABLE E9T-PV POWER-MB(10P/10P,80MM) GP	DD0E9TPB001		1
13	PCB SHIELDING CF9E(FACF9E01,REV3A)GP	FACF9E01013		1
14	LABEL DVB FV2E(HCFV2E02,R3A)GP	HCFV2E02018		1
15	LCD BEZEL CF9E(EAE9T004,REV3B) GP	EAE9T004020		1
16	PANEL SPONGE E9T (GBE9T005,R3A)420*7 GP	GBE9T005019		2
17	PANEL SPONGE S9Q(GBS9Q03,3A)260*6*0.7 GP	GBS9Q003011		2
18	LCD(TFT) 19" M190PW01 V0(WXGA) QCI GP	AAM190PW000		1
19	WIRE MOUNTS L70L-E(EBL70023,REV3A) GP	EBL70023013		2
20	PANEL HOOK W0VA(FBW0VA05,REV3A)GP	FBW0VA05014		2
21	LCD BKT LEFT E9T-PV(FAE9T002,REV3B)GP	FAE9T002019		1
22	CABLE LVDS(30P,150MM)CF9E GP	DDCF9ELC001		1
23	CF9E M/B ASSY(AUO) GP	21CF9MB0001		1
24	TV COVER CF9E(EAE9T001,REV3B)GP	EAE9T001021		1
25	RATING LABEL(AT1935)CF9E(HCCF9E01,R3A)GP	HCCF9E01015		1
26	BASE E9T(EAE9T003,REV3A)GP	EAE9T003015		1
27	BASE BKT S9Q(FAS9Q005,REV3A)GP	FAS9Q005012		2
28	BASE PLATE S9Q(FAS9Q006,REV3A)GP	FAS9Q006019		2
29	GASKET 15X15 TUNER IV6(GBIV6E01,R3A)GP	GBIV6E01011		1
30	RUBBER FOOT CF9E(GACF9E01,REV3A)GP	GACF9E01013		4
31	WIRE MOUNTS WC-02GB E9T(EBE9T002,R3A) GP	EBE9T002010		1
32	SHIELDINGSPONGE E9T(GBE9T001,3A)94*7.5GP	GBE9T001013		2
33	CONDUCT TAPE L80W80 CF9E(JXCF9E01,R3A)GP	JXCF9E01015		1
34	COVER SPONGE E9T(GBE9T003,R3A) 8*30 GP	GBE9T003016		2
35	COVER SPONGE E9T(GBE9T004,R3A) 80*15 GP	GBE9T004012		4
36	EMI GASKET L12W5T1 CF9E(JXCF9E03,R3A)GP	JXCF9E03018		1
37	CONDUCT TAPE L150W20 CF9E(JXCF9E02,3A)GP	JXCF9E02011		1
38	PANEL CONTACT PAD (GBVT2010,REV3A)GP	GBVT2010010		1

39	FV2E IO/B ASSY GP	23FV2EIB009		1
A	SCREW M3.0*4.0-I(NI) GP	MM30040IBJ9		10
B	SCREW F3.0*7.0-B (NI) GP	MF30070BBJ1		18
C	SCREW M3*5-B-NI-+ GP	MM30050BBJ9		4
D	SCREW M4.0*8.0-B(NI,WASHER)GP	MM40080BBW1		1
E	IO NUT LI1(MBLI1004,REV3A)GP	MBLI1004018		2
F	SCREW F2.5*6-P(NI,WASHER) GP	MF25060PBN0		8
G	SCREW F4.0*10-B(BLACK) GP	MF40100BJ26		5
H	SCREW M4*6-I (BNI)(NYLOK))GP	MM40060IL69		4
I	SCREW F4.0*8-I (BNI) GP	MF40080IJ23		4
J	SCREW M3.0*4.0-B BLACK(NYLOK)GP	MM30040B247		4
K	SCREW F3*10,(BNI) GP	MF30100PJ23		2

CF9E Explode Diagram

