eMachines D720/D520 Series
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

PRINTED IN TAIWAN

Revision History

Please refer to the table below for the updates made on eMachines D720/D520 Series 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, that you should check the most up-to-date information available on your regional web or channel. If, for whatever reason, 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

Below is a brief summary of the computer's many features:

Operating System

- Genuine Windows® Vista™

Platform

- Intel® Pentium® dual-core processor*
- Intel® Celeron® processor*
- Mobile Intel® GL40 Express Chipset
- IEEE 802.11b/g

System Memory

- Dual-channel support
- Up to 2 GB of DDR2 667 MHz memory, upgradeable to 4 GB using two soDIMM modules

Display and graphics

- 14.1" WXGA 1280 x 800
- Mobile Intel® GL40 Express Chipset

Storage subsystem

- 2.5" hard disk drive
- Optical drive option:
  - DVD-Super Multi double-layer drive*
  - DVD/CD-RW combo drive*

Audio

- Two built-in stereo speakers
- High-definition audio support
- MS-Sound compatible
- Built-in microphone

Dimensions and Weight

- 340.4 (W) x 247 (D) x 22.9/42.3 (H) mm (13.4 x 9.7 x 0.9/1.6 inches)
- 2.40 kg (5.29 lbs.) with 6-cell battery pack

Communication

- Integrated webcam*
- WLAN: IEEE 802.11b/g
- LAN: Fast Ethernet; Wake-on-LAN ready

Privacy control

- BIOS user, supervisor, HDD passwords
- Kensington lock slot

Power subsystem

- ACPI 3.0
- 48.8 W 4400 mAh
- 3-pin 65 W AC adapter
- ENERGY STAR® 4.0*

Special keys and controls

- 88-/89-key keyboard
- Touchpad pointing device

I/O interface

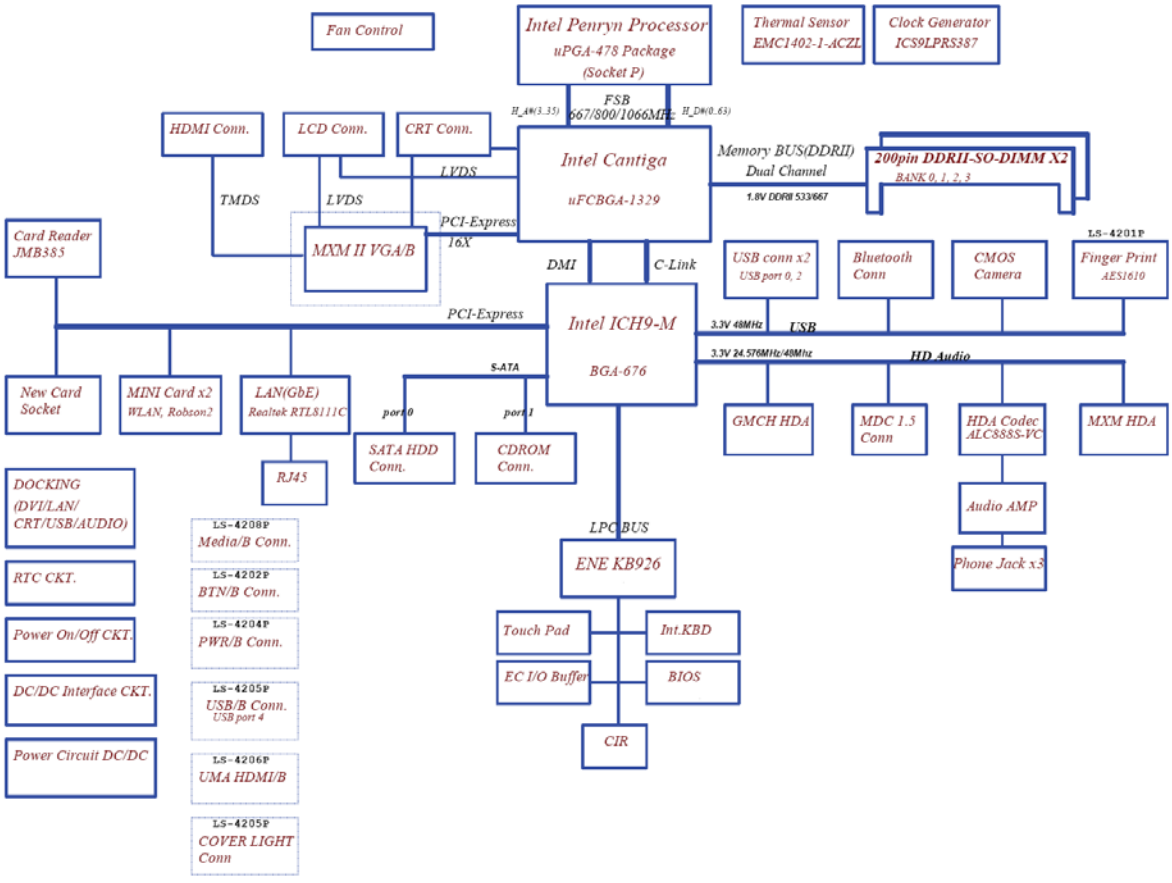
- USB 2.0 port
- External display (VGA) port
- Headphones/speaker/line-out jack
- Microphone-in jack
- Line-in jack
- Ethernet (RJ-45) port
- DC-in jack for AC adapter

Environment

- Temperature:
  - Operating: 5 °C to 35 °C
  - Non-operating: -20 °C to 65 °C
- Humidity (non-condensing):
  - Operating: 20% to 80%
  - Non-operating: 20% to 80%

NOTE: Items marked with * denote only selected models.

System Block Diagram



Your Acer Notebook tour

After knowing your computer features, let us show you around your new computer.

Front View

No.	Icon	Item	Description
1		Microphone	Internal microphone for sound recording.
2		Integrated webcam	Web camera for video communication (for selected models).
3		Display screen	Also called Liquid-Crystal Display (LCD), displays computer output.
4		Power button	Turns the computer on and off.
5		Wireless LAN communication button/indicator	Enables/disables the wireless LAN function. Indicates the status of wireless LAN communication.
6		Speakers	Left and right speakers deliver stereo audio output.
7		Keyboard	For entering data into your computer.
8		Palmrest	Comfortable support area for your hands when you use the computer.

No.	Icon	Item	Description
9		TouchPad	Touch-sensitive pointing device which functions like a computer mouse.
10		Click buttons (left and right)	The left and right buttons function like the left and right mouse buttons.
11		Power	Indicates the computer's power status.
		Battery	Indicates the computer's battery status. 1. **Charging:** The light shows amber when the battery is charging. 2. **Fully charged:** The light shows green when in AC mode.
		HDD	Indicates when the hard disk drive is active.
		Num Lock	Lights up when Num Lock is activated.
		Caps Lock	Lights up when Caps Lock is activated.

NOTE: The Power and Battery indicators are visible even when the computer cover is closed

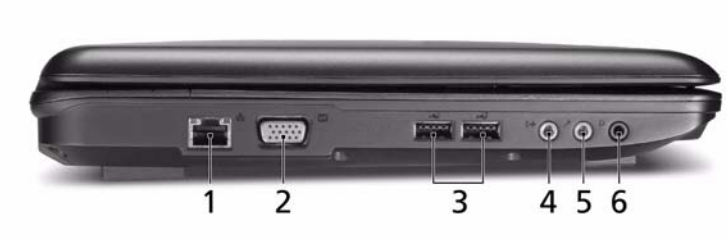
Closed Front View

No.	Icon	Item	Description
1		Latch	Locks and releases the lid

Rear View

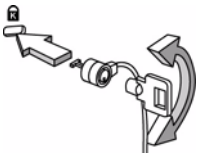
No.	Icon	Item	Description
1		Ventilation slots	Enable the computer to stay cool, even after prolonged use.

Left View

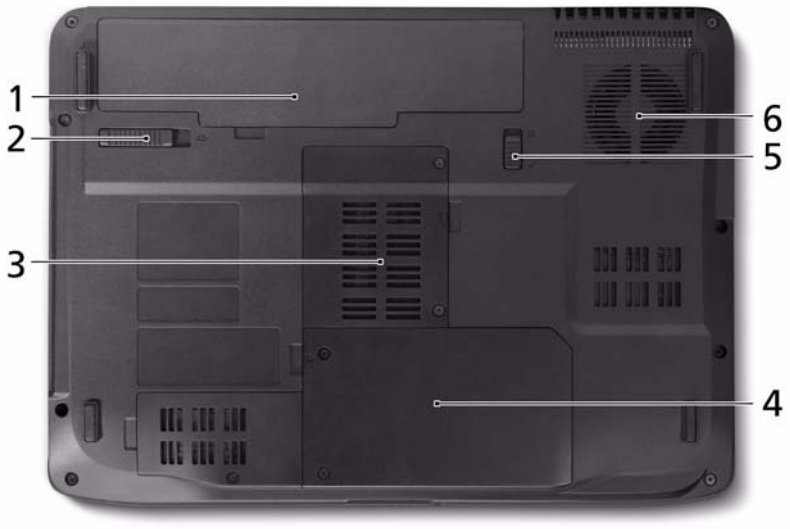


No.	Icon	Item	Description
1		Ethernet (RJ-45) port	Connects to an Ethernet 10/100-based network.
2		External display (VGA) port	Connects to a display device (e.g. external monitor, LCD projector).
3		USB 2.0 ports	Connect to USB 2.0 devices (e.g. USB mouse, USB camera).
		Line-in jack	Accepts audio line-in devices (e.g., audio CD player, stereo walkman, mp3 player).
		Microphone-in jack	Accepts input from external microphones.
		Headphones/ speaker/line-out jack	Connects to audio line-out devices (e.g. speakers, headphones).

Right View

No.	Icon	Item	Description
1		Kensington lock slot 	Connects to a Kensington-compatible computer security lock. **Note:** Wrap the computer security lock cable around an immovable object such as a table or handle of a locked drawer. Insert the lock into the notch and turn the key to secure the lock. Some keyless models are also available.
2		Optical drive	Internal optical drive; accepts CDs or DVDs.
3		Optical disk access indicator	Lights up when the optical drive is active.
4		Optical drive eject button	Ejects the optical disk from the drive.
5		Emergency eject hole	Ejects the optical drive tray when the computer is turned off. **Note:** Insert a paper clip into the emergency eject hole to eject the optical drive tray when the computer is off.
8		DC-in jack	Connects to an AC adapter

Bottom View



No.	Icon	Item	Description
1		Battery bay	Houses the computer's battery pack.
2		Battery release latch	Releases the battery for removal.
3		Memory compartment	Houses the computer's main memory.
4		Hard disk bay	Houses the computer's hard disk (secured with screws).
5		Battery lock	Locks the battery in position.
6		Ventilation slots and cooling fan	Enable the computer to stay cool, even after prolonged use. **Note**: Do not cover or obstruct the opening of the fan.

Indicators

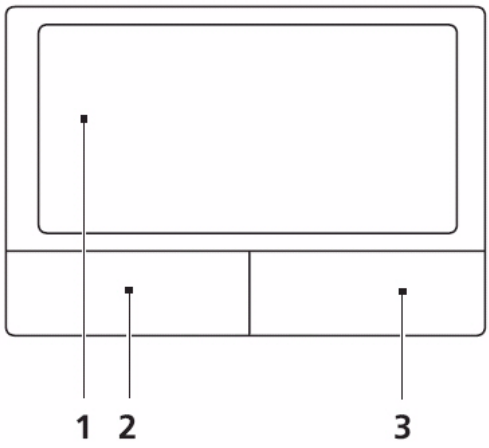
The computer has several easy-to-read status indicators. The front panel indicators are visible even when the computer cover is closed.

Icon	Function	Description
	Power	Indicates the computer's power status.
	Battery	Indicates the computer's battery status.
	HDD	Indicates when the hard disk drive is active.
	Num Lock	Lights up when Num Lock is activated.
	Caps Lock	Lights up when Caps Lock is activated.

NOTE: 1. **Charging:** The light shows amber when the battery is charging. 2. **Fully charged:** The light shows green when in AC mode.

TouchPad Basics (with fingerprint reader)

The following items show you how to use the TouchPad with Acer Bio-Protection fingerprint reader:



- Move your finger across the TouchPad (1) to move the cursor.
- Press the left (2) and right (3) buttons located beneath the TouchPad to perform selection and execution functions. These two buttons are similar to the left and right buttons on a mouse. Tapping on the TouchPad is the same as clicking the left button.

Function	Left Button (2)	Right Button (3)	Main TouchPad (2)
Execute	Quickly click twice.		Tap twice (at the same speed as double-clicking a mouse button).
Select	Click once.		Tap once.
Drag	Click and hold, then use finger on the TouchPad to drag the cursor.		Tap twice (at the same speed as double-clicking a mouse button); rest your finger on the TouchPad on the second tap and drag the cursor.
Access context menu		Click once.	

NOTE: When using the TouchPad, keep it - and your fingers - dry and clean. The TouchPad is sensitive to finger movement; hence, the lighter the touch, the better the response. Tapping too hard will not increase the TouchPad's responsiveness.

Using the Keyboard

The keyboard has full-sized keys and an embedded numeric keypad, separate cursor, lock, Windows, function and special keys.

Lock Keys and embedded numeric keypad

The keyboard has three lock keys which you can toggle on and off.

Lock key	Description
Caps Lock	When Caps Lock is on, all alphabetic characters typed are in uppercase.
Num Lock **<Fn> + <F11>**	When Num Lock is on, the embedded keypad is in numeric mode. The keys function as a calculator (complete with the arithmetic operators +, -, *, and /). Use this mode when you need to do a lot of numeric data entry. A better solution would be to connect an external keypad.
Scroll Lock **<Fn> + <F12>**	When Scroll Lock is on, the screen moves one line up or down when you press the up or down arrow keys respectively. Scroll Lock does not work with some applications.

The embedded numeric keypad functions like a desktop numeric keypad. It is indicated by small characters located on the upper right corner of the keycaps. To simplify the keyboard legend, cursor-control key symbols are not printed on the keys.

Desired access	Num Lock on	Num Lock off
Number keys on embedded keypad	Type numbers in a normal manner.	
Cursor-control keys on embedded keypad	Hold **<Shift>** while using cursor-control keys.	Hold **<Fn>** while using cursor-control keys.
Main keyboard keys	Hold **<Fn>** while typing letters on embedded keypad.	Type the letters in a normal manner.

Windows Keys

The keyboard has two keys that perform Windows-specific functions.

Key	Description
Windows key	Pressed alone, this key has the same effect as clicking on the Windows Start button; it launches the Start menu. It can also be used with other keys to provide a variety of functions: <WIN>**:** Open or close the Start menu <WIN> **+ <D>:** Display the desktop <WIN> **+ <E>:** Open Windows Explore <WIN> **+ <F>:** Search for a file or folder <WIN> **+ <G>:** Cycle through Sidebar gadgets <WIN> **+ <L>:** Lock your computer (if you are connected to a network domain), or switch users (if you're not connected to a network domain) <WIN> **+ <M>:** Minimizes all windows <WIN> **+ <R>:** Open the Run dialog box <WIN> **+ <T>:** Cycle through programs on the taskbar <WIN> **+ <U>:** Open Ease of Access Center <WIN> **+ <X>:** Open Windows Mobility Center <WIN> **+ <BREAK>:** Display the System Properties dialog box <WIN> **+ <SHIFT+M>:** Restore minimized windows to the desktop <WIN> **+ <TAB>:** Cycle through programs on the taskbar by using Windows Flip 3-D <WIN> **+ <SPACEBAR>:** Bring all gadgets to the front and select Windows Sidebar **<CTRL> +** <WIN> **+ <F>:** Search for computers (if you are on a network) **<CTRL> +** <WIN> **+ <TAB>:** Use the arrow keys to cycle through programs on the taskbar by using Windows Flip 3-D **Note:** Depending on your edition of Windows Vista, some shortcuts may not function as described.
Application key	This key has the same effect as clicking the right mouse button; it opens the application's context menu.

Hot Keys

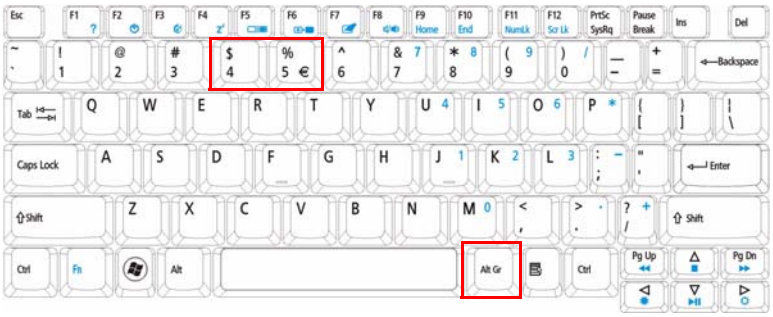
The computer employs hotkeys or key combinations to access most of the computer's controls like screen brightness, volume output and the BIOS utility.

To activate hot keys, press and hold the **<Fn>** key before pressing the other key in the hotkey combination.

Hotkey	Icon	Function	Description
<Fn> + <F1>	?	Hotkey help	Displays help on hotkeys.
<Fn> + <F2>		Acer eSettings Management	Launches Acer eSettings Management in Acer Empowering Technology.
<Fn> + <F3>		Acer ePower Management	Launches Acer ePower Management in Acer Empowering Technology.
<Fn> + <F4>	Z^{z}	Sleep	Puts the computer in Sleep mode.
<Fn> + <F5>		Display toggle	Switches display output between the display screen, external monitor (if connected) and both.
<Fn> + <F6>		Screen blank	Turns the display screen backlight off to save power. Press any key to return.
<Fn> + <F7>		TouchPad toggle	Turns the internal TouchPad on and off.
<Fn> + <F8>		Speaker toggle	Turns the speakers on and off.
<Fn> + <▷>		Brightness up	Increases the screen brightness.
<Fn> + <◁>		Brightness down	Decreases the screen brightness.

Special Key

You can locate the Euro symbol and the US dollar sign at the upper-center and/or bottom-right of your keyboard.



The Euro symbol

1. Open a text editor or word processor.
2. Hold <Alt Gr> and then press the <5> key at the upper-center of the keyboard.

NOTE: Note: Some fonts and software do not support the Euro symbol. Please refer to **www.microsoft.com/typography/faq/faq12.htm** for more information.

The US dollar sign

1. Open a text editor or word processor.
2. Hold **<Shift>** and then press the **<4>** key at the upper-center of the keyboard.

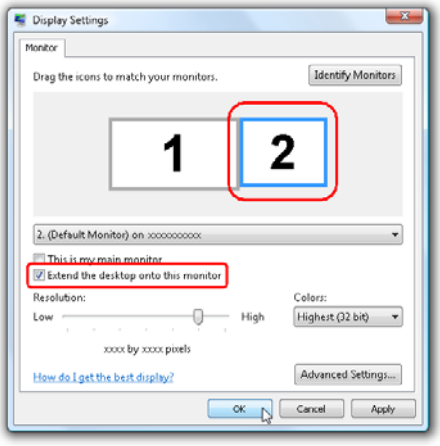
NOTE: This function varies by the operating system version.

Using the System Utilities

Acer GridVista (dual-display compatible)

NOTE: This feature is only available on certain models.

To enable the dual monitor feature of the notebook, first ensure that the second monitor is connected, then select **Start, Control Panel, Display** and click on **Settings**. Select the secondary monitor **(2)** icon in the display box and then click the check box **Extend my windows desktop onto this monitor**. Finally, click **Apply** to confirm the new settings and click **OK** to complete the process.



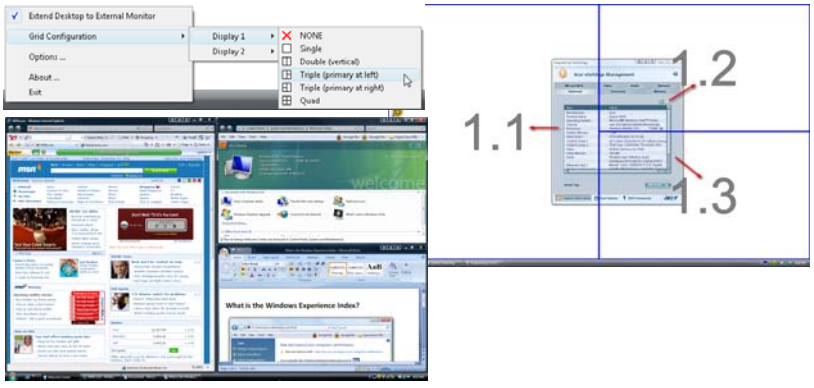
Acer GridVista is a handy utility that offers four pre-defined display settings so you can view multiple windows on the same screen. To access this function, please go to **Start→ All Programs** and click on **Acer GridVista**. You may choose any one of the four display settings indicated below:

Double (vertical), Triple (primary at left), Triple (primary at right), or Quad Acer Gridvista is dual-display compatible, allowing two displays to be partitioned independently.

Acer Gridvista is dual-display compatible, allowing two displays to be partitioned independently.

AcerGridVista is simple to set up:

1. Run Acer GridVista and select your preferred screen configuration for each display from the task bar.
2. Drag and drop each window into the appropriate grid.
3. Enjoy the convenience of a well-organized desktop.



NOTE: Please ensure that the resolution setting of the second monitor is set to the manufacturer's recommended value.

Hardware Specifications and Configurations

Processor

Item	Specification
CPU type	Penryn based Intel® Celeron Processor and Intel® Pentium Processor
Core logic	Intel Cantiga GL40 (667MHz FSB supported) ICH9-M ENE KB926 for Keyboard Controller, Battery management Unit. Integrated VGA solution for CANTIGA GL40 REALTEK ALC268 for High Definition Audio Codec. REALTEK RTL8111C-GR for Giga LAN
CPU package	Micro uPGA-478

CPU Fan True Value Table

CPU Temperature		Fan Speed (rpm)	SPL Spec (dBA)
Core 0	Core 1		
50	50	3000	31
60	60	3400	34
70	70	3700	37
77	77	4000	40
85	85	4000	40

- Throttling 50%: On= 85°C; OFF=78°C
- OS shut down at 90°C; H/W shut down at 96°C

BIOS

Item	Specification
BIOS vendor	Insyde
BIOS Version	V0.15T2
BIOS ROM type	Flash
BIOS ROM size	1 MB
Supported protocols	• Flash ROM 1MB • Support multi-boot • Suspend to RAM (S3)/Disk (S4) • Various hot-keys for system control • Support SMBUS 2.0, PCI2.3 • ACPI 2.0 compliance with Intel Speed Step Support C1, C2, C3 and S3, S4 for mobile CPU • DMI utility for BIOS serial number configurable/asset tag • Support PXE • Support Y2K solution • Support Win Flash Wake on LAN from S3 • Wake on LAN form S4 in AC mode • System information
BIOS password control	BIOS user, Supervisor and HDD passwords

System Memory

Item	Specification
Memory controller	Built-in
Memory size	0MB (no on-board memory)
DIMM socket number	2 sockets
Supports memory size per socket	2 GB
Supports maximum memory size	4G for 64bit OS (with two 2GB SODIMM)
Supports DIMM type	DDR 2 Synchronous DRAM
Supports DIMM Speed	667 MHz
Supports DIMM voltage	1.8V
Supports DIMM package	200-pin soDIMM

Memory Combinations

Slot 1	Slot 2	Total Memory
0MB	512MB	512MB
0MB	1024MB	1024MB
0MB	2048MB	2048MB
512MB	512MB	1024MB
512MB	1024MB	1536MB
512MB	2048MB	2560MB
1024MB	0MB	1024MB
1024MB	512MB	1536MB
1024MB	1024MB	2048MB
1024MB	2048MB	3072MB
2048MB	0MB	2048MB
2048MB	512MB	2560MB
2048MB	1024MB	3072MB
2048MB	2048MB	4096MB

NOTE: Above table lists some system memory configurations. You may combine DIMMs with various capacities to form other combinations. On above table, the configuration of slot 1 and slot 2 could be reversed.

LAN Interface

Item	Specification
LAN Chipset	REALTEK RTL8111C-GR for GIGA LAN
Supports LAN protocol	PCI-E 10/100/1000 MB LAN
LAN connector type	RJ-45
LAN connector location	Left side
Features	Support Wake-On-Lan (AC mode S5)

Wireless Module 802.11b/g

Item	Specification
Chipset	
Data throughput	
Protocol	
Interface	

Hard Disk Drive Interface

Item	Specification		
Vendor	Seagate Momentus 5400.4 SATA		
Model Name	ST9250827AS	ST9160827AS	ST9120817AS
Capacity (MB)	250	160	120
Bytes per sector	512		
Data heads	4	3	2
Drive Format			
Disks	2	2	1
Spindle speed (RPM)	5,400		
Performance Specifications			
Buffer size	8MB		
Interface	SATA		
Internal transfer rate (Mbits/ sec max)	778		
Sustained transfer rate (Mbytes/sec max)	58		
I/O data transfer rate (Mbytes/sec max)	300		
DC Power Requirements			
Voltage tolerance	5V(DC) +/- 5%		

Item	Specification			
Vendor	Seagate Momentus 5400.5 SATA			
Model Name	ST9320320AS	ST9250320AS	ST9160310AS	ST9120310AS
Capacity (MB)	320	250	160	120
Bytes per sector	512			
Data heads	4	4 or 3	2	2
Drive Format				
Disks	2 or 1	2	1	1
Spindle speed (RPM)	5,400			
Performance Specifications				
Buffer size	8 MB			
Interface	SATA			
Internal transfer rate (Mbits/sec max)	352			
I/O data transfer rate (Mbytes/sec max)	150			
DC Power Requirements				
Voltage tolerance	5V(DC) +/- 5%			

Super-Multi Drive Module

Item	Specification	
Vendor & model name	HLDS/GSA-T50N, Philips DS-8A2S, Sony/AD-7560S, Toshiba Digi/TS-L633A	
Performance Specification	With CD Diskette	With DVD Diskette
Transfer rate (MB/sec)	Sustained: Max 3.5 Mbytes/sec	Sustained: Max 10 Mbytes/sec
Buffer Memory	2MB	
Interface	SATA	
Applicable disc format	Applicable media types: Writing: Confirms to DVD+R Version 1.2 and DVD+RW Version 1.3 / DVD+R DL Version 1.0 /DVD-R Version 2.0 / DVD-RW Version 1.2 / DVD-R DL Version 3.0. Reading: DVD single/dual layer (PTP, OTP), DVD-R single/dual layer DVD+R single/double layer DVD-RW DVD+RW CD-DA CD-ROM CD-ROM/XA Photo-CD, Multi-session, Video CD CD-I FMV, CD Extra, CD Plus, CD-R, and CD-RW	
Loading mechanism	Drawer (Solenoid Open) Tact SW (Open) Emergency Release (draw open hole)	
Power Requirement		
Input Voltage	DC 5 V +/- 5%	

Audio Interface

Item	Specification
Audio Controller	REALTEK ALC268 for High Definition Audio Codec
Mono or Stereo	Stereo
Compatibility	MIC IN—AC-coupled input,100mV$_{P-P}$ maximum LINE IN—AC-coupled input,100mV$_{P-P}$ maximum Headphone out—1V$_{P-P}$ Build-in Speaker—4 ohm, 2W Main Speaker

System Board Major Chips

Item	Controller
Core logic	Intel® Core™2 Duo processor based Intel® Celeron processor and Intel® Pentium processor, FSB 667MHz
LAN	REALTEK RTL8111C-GR for GIGA LAN
Audio Codec	REALTEK ALC268 for High Definition Audio Codec

Keyboard

Item	Specification
Keyboard controller	KB926
Total number of keypads	88-/89-key keyboard

Item	Specification
Windows logo key	Yes
Internal & external keyboard work simultaneously	Yes

Battery

Item	Specification
Vendor & model name	Sanyo, Sony, Panasonic, Simplo
Battery Type	Li Ion
Pack capacity	2400/4400 mAh
Number of battery cell	6
Package configuration	3S2P

LCD 14.1”

Item	Specification
Vendor/model name	LG.Philips/LP141WX3, AUO/B141EW04 V4, Chimei/N141I3 - L02, Samsung/LTN141W3-L01
Screen Diagonal (mm)	14.1 inches
Active Area (mm)	303.74 x 189.84 mm
Display resolution (pixels)	1280 x 800 WXGA
Pixel Pitch	0.2373 × 0.2373 mm
Pixel Arrangement	R.G.B. Vertical Stripe
Display Mode	Transmissive mode, normally white
Typical White Luminance (cd/m^2) also called Brightness	200 cd/m2(Typ.5 point)
Luminance Uniformity	1.3 max.
Contrast Ratio	300 minimum
Response Time (Optical Rise Time/Fall Time) msec	16
Nominal Input Voltage VDD	+3.3V
Typical Power Consumption (watt)	1.4W max.
Weight (without inverter)	400g max.
Physical Size (mm)	319.5 (±0.5) x 205.5 (± 0.5) x 5.5 max.
Electrical Interface	3.3V LVDS interface with 1 pixel/clock
Support Color	greater than 262144
Viewing Angle (degree) Horizontal: Right/Left Vertical: Upper/Lower	 Minimum: 40/40, Typical: 45/45 Minimum: 10/30, Typical: 20/35
Temperature Range (°C) Operating Storage (shipping)	 0 to +50 -20 to +60

System Utilities

BIOS Setup Utility

The BIOS Setup Utility is a hardware configuration program built into your computer's BIOS (Basic Input/ Output System).

Your computer is already properly configured and optimized, and you do not need to run this utility. However, if you encounter configuration problems, you may need to run Setup. Please also refer to Chapter 4 Troubleshooting when problem arises.

To activate the BIOS Utility, press **F2** during POST (when "Press <F2> to enter Setup" message is prompted on the bottom of screen).

Press **F2** to enter setup. The default parameter of F12 Boot Menu is set to "disabled". If you want to change boot device without entering BIOS Setup Utility, please set the parameter to "enabled".

Press <F12> during POST to enter multi-boot menu. In this menu, user can change boot device without entering BIOS SETUP Utility.

Navigating the BIOS Utility

There are six menu options: Information, Main, Advanced, Security, Boot, and Exit.

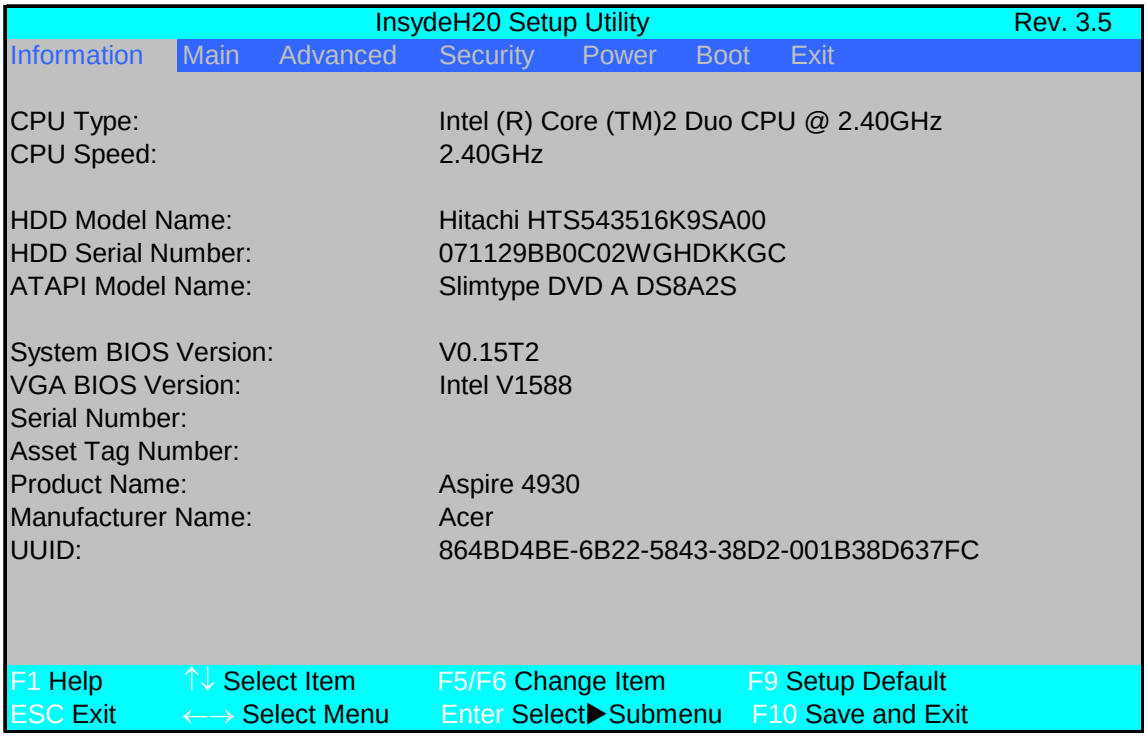
Follow these instructions:

- To choose a menu, use the left and right arrow keys.
- To choose an item, use the up and down arrow keys.
- To change the value of a parameter, press **F5** or **F6**.
- A plus sign (+) indicates the item has sub-items. Press **Enter** to expand this item.
- Press **Esc** while you are in any of the menu options to go to the Exit menu.
- In any menu, you can load default settings by pressing **F9**. You can also press **F10** to save any changes made and exit the BIOS Setup Utility.

NOTE: You can change the value of a parameter if it is enclosed in square brackets. Navigation keys for a particular menu are shown on the bottom of the screen. Help for parameters are found in the Item Specific Help part of the screen. Read this carefully when making changes to parameter values. **Please note that system information is subject to different models**.

Information

The Information screen displays a summary of your computer hardware information.

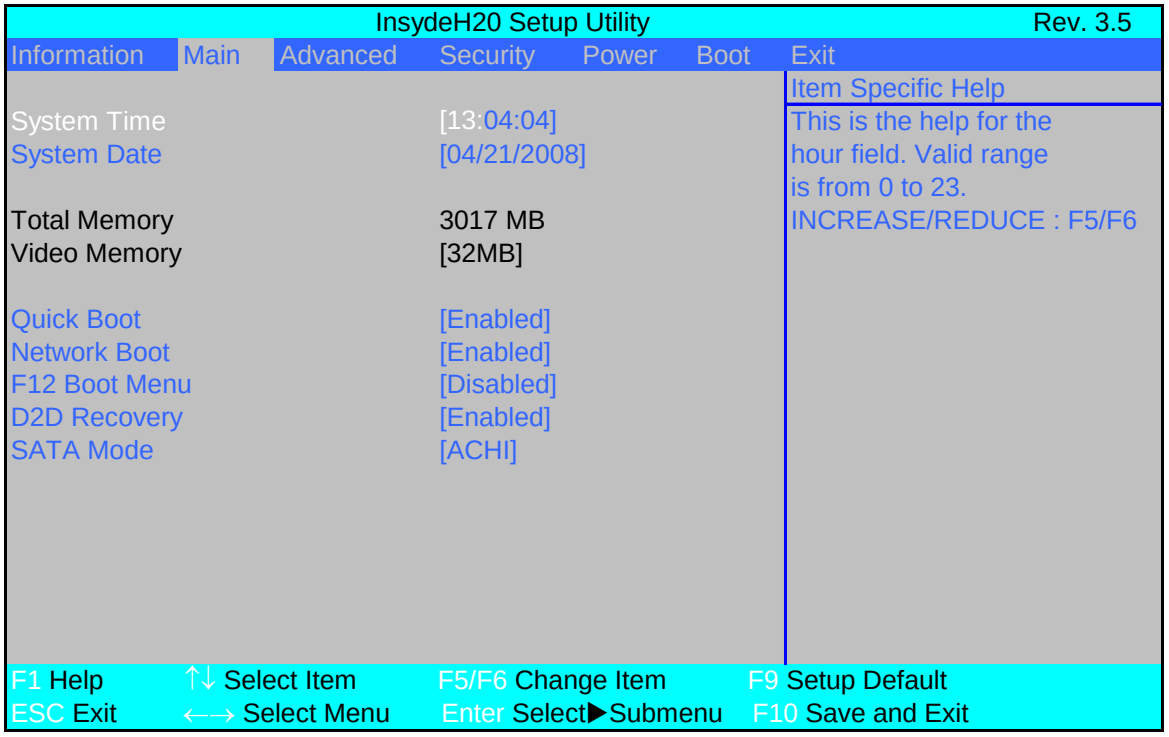


NOTE: The system information is subject to different models.

Parameter	Description
CPU Type	This field shows the CPU type and speed of the system.
CPU Speed	This field shows the speed of the CPU.
HDD Model Name	This field shows the model name of HDD installed on primary IDE master.
HDD Serial Number	This field displays the serial number of HDD installed on primary IDE master.
ATAPI Model Name	This field shows the model name of the Optical device installed in the system.
System BIOS Version	Displays system BIOS version.
VGA BIOS Version	This field displays the VGA firmware version of the system.
Serial Number	This field displays the serial number of this unit.
Asset Tag Number	This field displays the asset tag number of the system.
Product Name	This field shows product name of the system.
Manufacturer Name	This field displays the manufacturer of this system.
UUID Number	Universally Unique Identifier (UUID) is an identifier standard used in software construction, standardized by the Open Software Foundation (OSF) as part of the Distributed Computing Environment (DCE).

Main

The Main screen allows the user to set the system time and date as well as enable and disable boot option and recovery.



NOTE: The screen above is for your reference only. Actual values may differ.

The table below describes the parameters in this screen. Settings in **boldface** are the default and suggested parameter settings.

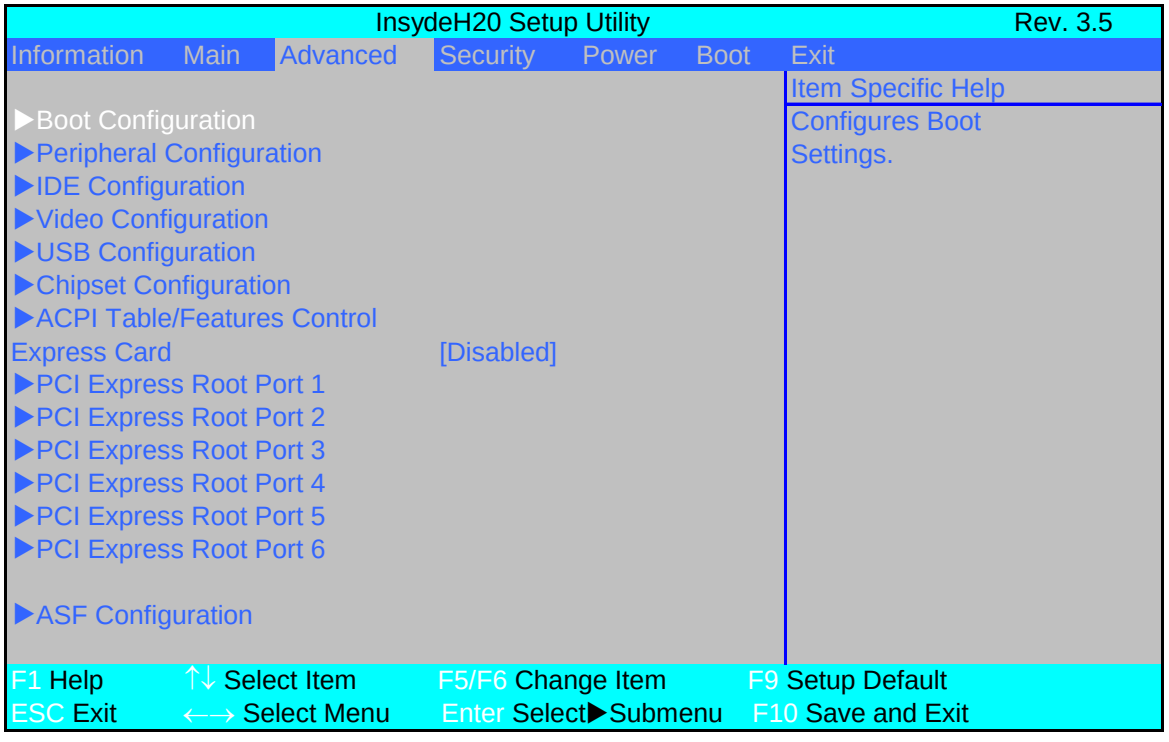
Parameter	Description	Format/Option
System Time	Sets the system time. The hours are displayed with 24-hour format.	Format: HH:MM:SS (hour:minute:second)
System Date	Sets the system date.	Format MM/DD/YYYY (month/day/year)
Total Memory	This field reports the memory size of the system. Memory size is fixed to 3017 MB.	N/A
Video Memory	Shows the video memory size. VGA Memory size=32 MB	N/A
Quick Boot	Allows startup to skip certain tests while booting, decreasing the time needed to boot the system.	Option: **Enabled** or Disabled
Network Boot	Enables, disables the system boot from LAN (remote server).	Option: **Enabled** or Disabled
F12 Boot Menu	Enables, disables Boot Menu during POST.	Option: **Disabled** or Enabled
D2D Recovery	Enables, disables D2D Recovery function. The function allows the user to create a hidden partition on hard disc drive to store operation system and restore the system to factory defaults.	Option: **Enabled** or Disabled
SATA Mode	Control the mode in which the SATA controller should operate.	Option: **AHCI Mode** or IDE Mode

NOTE: The sub-items under each device will not be shown if the device control is set to disable or auto. This is because the user is not allowed to control the settings in these cases.

Advanced

The Advanced screen allows the user to configure the various advanced BIOS options.

IMPORTANT: Making incorrect settings to items on these pages may cause the system to malfunction. Unless you have experience adjusting these items, we recommend that you leave these settings at the default values. If making settings to items on these pages causes your system to malfunction or prevents the system from booting, open BIOS and choose Load Optimal Defaults in the Exit menu to boot up normally.



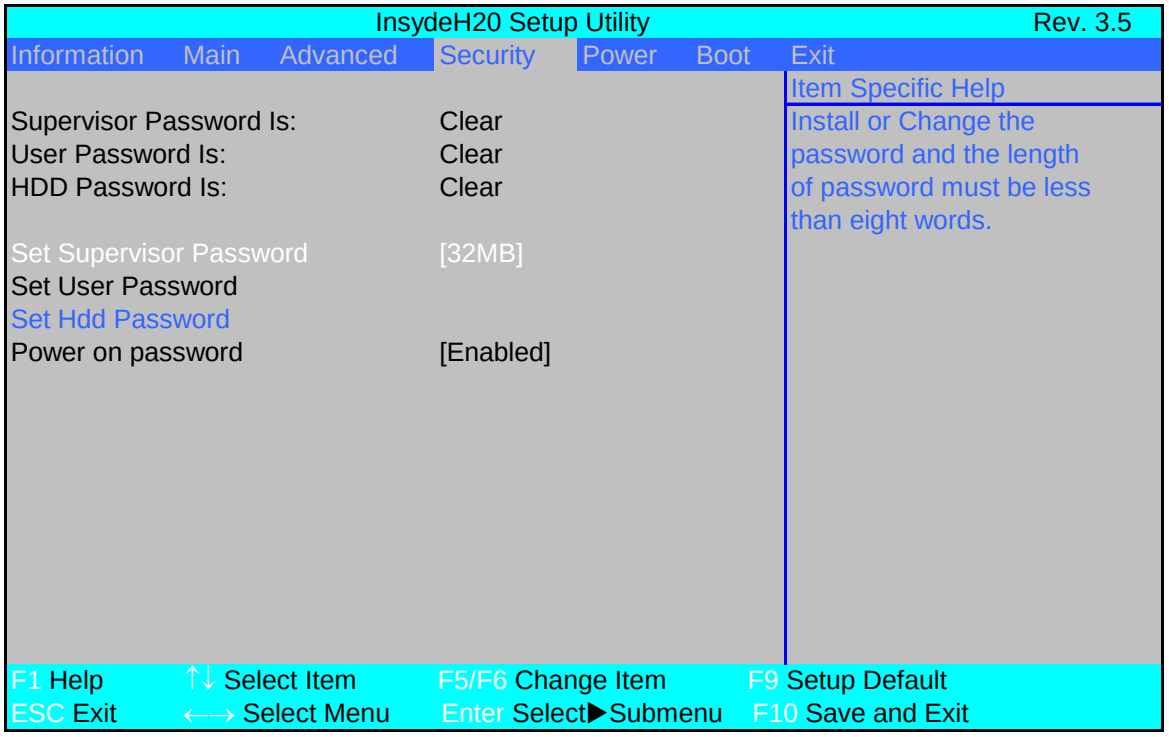
The table below describes the items, menus, and submenus in this screen. Settings in **boldface** are the default and suggested parameter settings.

Parameter	Description	Submenu Items
Boot Configuration	Enter the Boot Configuration menu.	• Numlock • Zip Emulation Type
Peripheral Configuration	Enter the Peripheral Configuration menu.	• Serial Port A • Infrared Port • Azalia • LAN
IDE Configuration	Enter the IDE Configuration menu.	• IDE Controller • HDC Configure as • ACHI Option ROM Support • SATA Port 0, 1, 4, and 5 Hotplug • Channel 1 to 4 Master and Slave
Video Configuration	Enter the Video Configuration menu.	• IGD Device2, Function1 • IGD Pre-allocate Memory • IGD DVMT Size • Clock Chip Intialize • Enabled CK SSC • IGD Boot Type • IGD LCD Panel Type • IGD TV

Parameter	Description	Submenu Items
USB Configuration	Enter the USB Configuration menu.	• USB Driver Select • EHCI 1 and 2 • UHCI 1 to 5 • Per-Port Control
Chipset Configuration	Enter the Chipset Configuration menu.	• Port 80h Cycles • DMI Link ASPM Control • PCI Latency Timer • VT-d
ACPI Table/ Features Control	Enter the ACPI Table/Features Control menu.	• FACP C2 Latency Value • FACP C3 Latency Value • FACP RTC S4 Wakeup • APIC IO APIC Mode • HPET Support • Base Address Select
Express Card	**Disable** or Enable the Express Card solution for windows Standby and Hibernation.	N/A
PCI Express Root Port 1 to 6	Enter the PCI Port 1 to 6 configuration menus.	• VC1 Enable • ASPM • URR • FER • NFER • CER • CTO • SEFE • SENFE • SECE • PME Interrupt • PME SCI • Hot Plug SCI
ASF Configuration	Enter the ASF Configuration menu.	• Mini Watchdog Timeout • BIOS Boot Timeout • OS Boot Timeout • Power-on wait time

Security

The Security screen contains parameters that help safeguard and protect your computer from unauthorized use.



The table below describes the parameters in this screen. Settings in **boldface** are the default and suggested parameter settings.

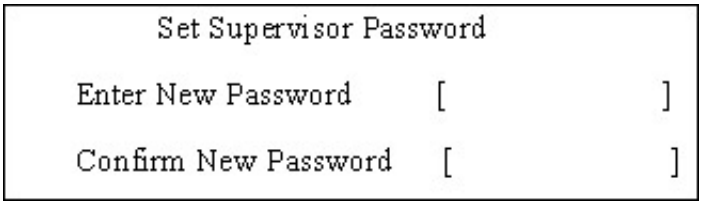
Parameter	Description	Option
Supervisor Password Is	Shows the setting of the Supervisor password	**Clear** or Set
User Password Is	Shows the setting of the user password.	**Clear** or Set
HDD Password Is	Shows the setting of the hard disk password.	**Clear** or Set
Set Supervisor Password	Press Enter to set the supervisor password. When set, this password protects the BIOS Setup Utility from unauthorized access. The user can not either enter the Setup menu nor change the value of parameters.	
Set User Password	Press Enter to set the user password. When user password is set, this password protects the BIOS Setup Utility from unauthorized access. The user can enter Setup menu only and does not have right to change the value of parameters.	
Set HDD Password	Enter HDD Password.	
Password on Boot	Defines whether a password is required or not while the events defined in this group happened. The following sub-options are all requires the Supervisor password for changes and should be grayed out if the user password was used to enter setup.	**Disabled** or Enabled

NOTE: When you are prompted to enter a password, you have three tries before the system halts. Don't forget your password. If you forget your password, you may have to return your notebook computer to your dealer to reset it.

Setting a Password

Follow these steps as you set the user or the supervisor password:

1. Use the ↑ and ↓ keys to highlight the Set Supervisor Password parameter and press the **Enter** key. The Set Supervisor Password box appears:



2. Type a password in the “Enter New Password” field. The password length can not exceeds 8 alphanumeric characters (A-Z, a-z, 0-9, not case sensitive). Retype the password in the “Confirm New Password” field.

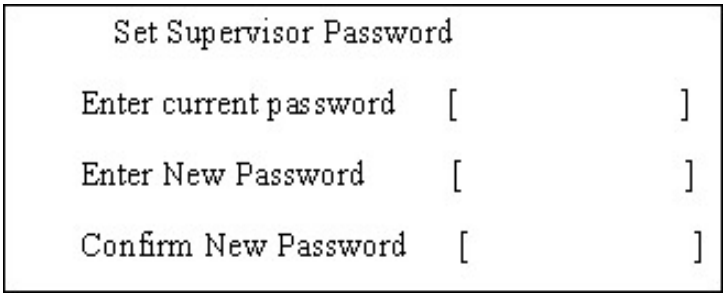
IMPORTANT: Be very careful when typing your password because the characters do not appear on the screen.

3. Press **Enter**. After setting the password, the computer sets the User Password parameter to “Set”.
4. If desired, you can opt to enable the Password on boot parameter.
5. When you are done, press F10 to save the changes and exit the BIOS Setup Utility.

Removing a Password

Follow these steps:

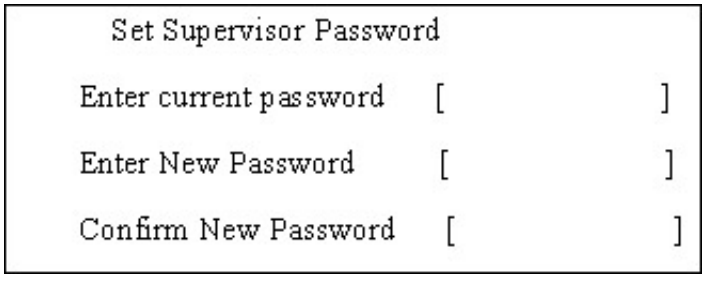
1. Use the ↑ and ↓ keys to highlight the Set Supervisor Password parameter and press the **Enter** key. The Set Password box appears:



2. Type the current password in the Enter Current Password field and press **Enter**.
3. Press **Enter** twice **without** typing anything in the Enter New Password and Confirm New Password fields. The computer then sets the Supervisor Password parameter to “Clear”.
4. When you have changed the settings, press u to save the changes and exit the BIOS Setup Utility.

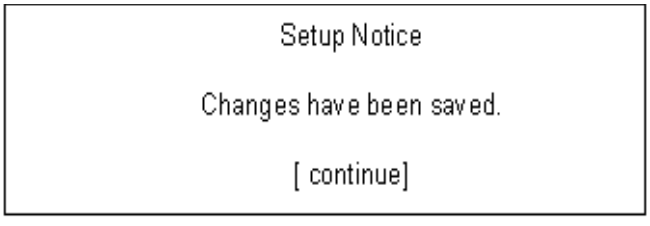
Changing a Password

1. Use the ↑ and ↓ keys to highlight the Set Supervisor Password parameter and press the **Enter** key. The Set Password box appears.



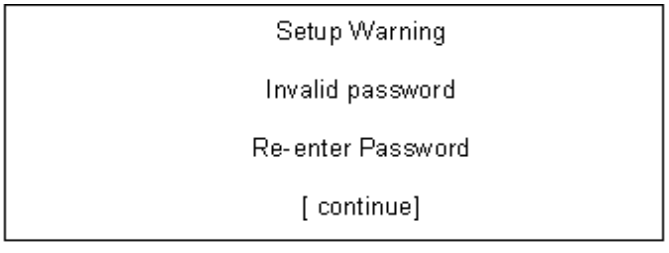
2. Type the current password in the Enter Current Password field and press **Enter**.
3. Type a password in the Enter New Password field. Retype the password in the Confirm New Password field.
4. Press **Enter**. After setting the password, the computer sets the User Password parameter to “Set”.
5. If desired, you can enable the Password on boot parameter.
6. When you are done, press F10 to save the changes and exit the BIOS Setup Utility.

If the verification is OK, the screen will display as following.

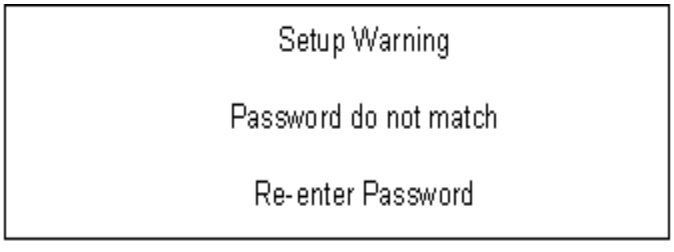


The password setting is complete after the user presses **Enter**.

If the current password entered does not match the actual current password, the screen will show you the Setup Warning.

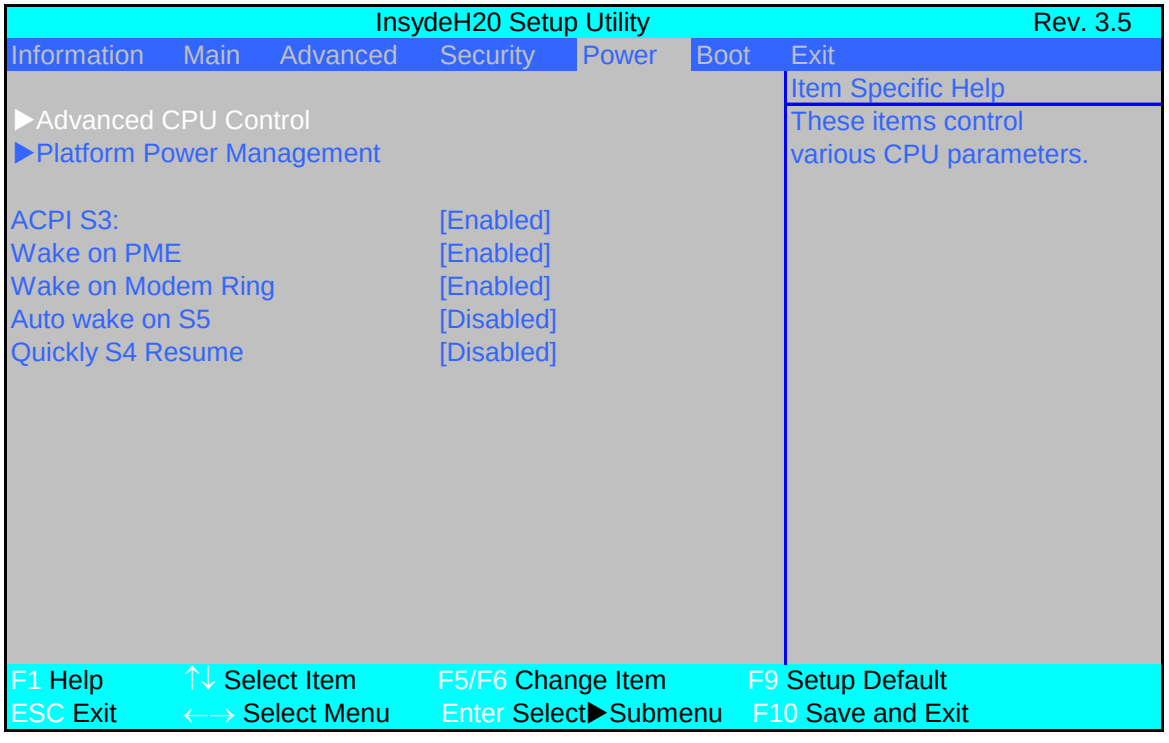


If the new password and confirm new password strings do not match, the screen will display the following message.



Power

The Power screen allows the user to configure various CPU and power management options and device wakeup behavior.



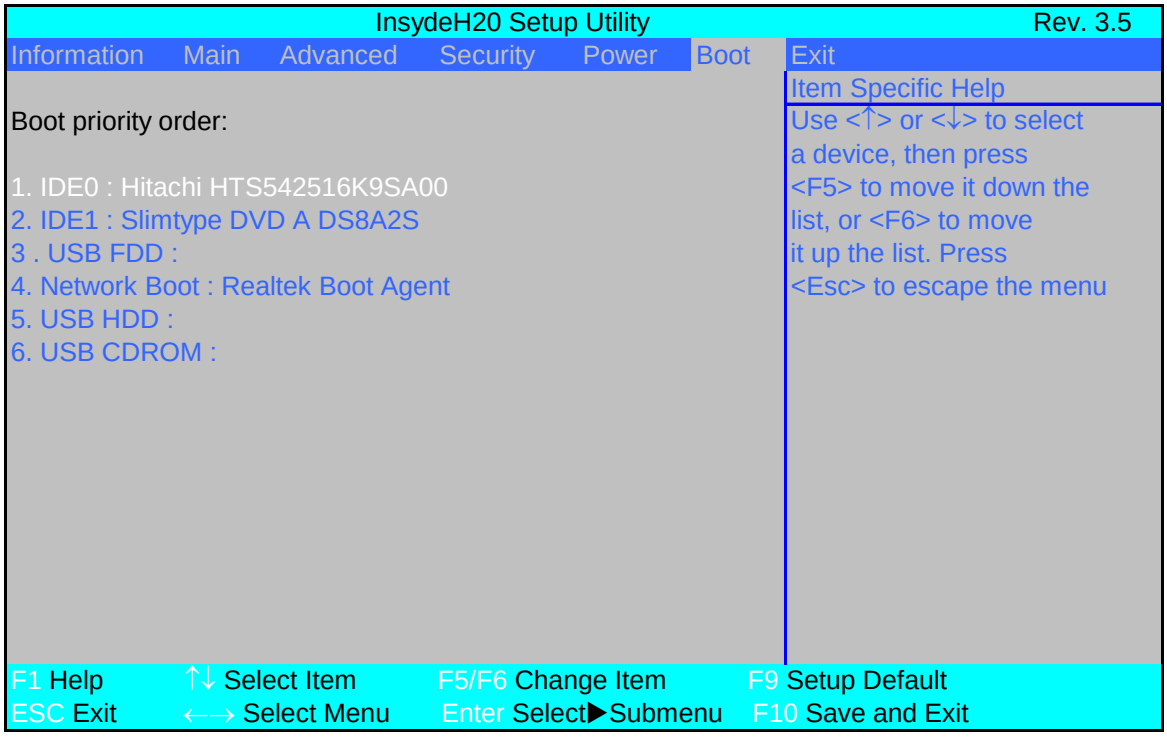
The table below describes the items, menus, and submenus in this screen. Settings in **boldface** are the default and suggested parameter settings.

Parameter	Description	Submenu Items
Advanced CPU Control	Enter the Advanced CPU Control menu.	• P-States (IST) • Boot performance mode • Thermal Mode • CMP Support • Use XD capability • VT Support • C-States • Enhanced C-States • C-State Pop Up Mode • C-State Pop Down Mode • C4 Exit Timing Mode • DeepC4 • Hard C4E • Enable C6 • EMTTM • Bi-directional PROCHOT# • Dynamic FSB Switching • Turbo Mode • ACPI 3.0 T-States • DTS • DTS Calibration • Thermal Trip Points Setting (Fan On Temp., Throttle On Temp.)

Parameter	Description	Submenu Items
Platform Power management	Enter the Platform Power Management menu.	• PCI Clock Run • _CST - C4 Latency Value • C4 on C3 - Deeper Sleep
ACPI S3	**Enable** or Disable ACPI S1/S3 Sleep State	N/A
Wake on PME	**Enable** or Disable wake up when the system power is off and a PCI Power Management Enable wake up event occurs.	N/A
Wake on Modem Ring	**Enable** or Disable wake up when the system power is off and a modem attached to the serial port is ringing.	N/A
Auto wake on S5	**Disable** or Enable auto wake up by date and time or at a fixed time everyday.	N/A
Quickly S4 Resume	Disable or Enable optional quick boot from S4 Resume.	N/A

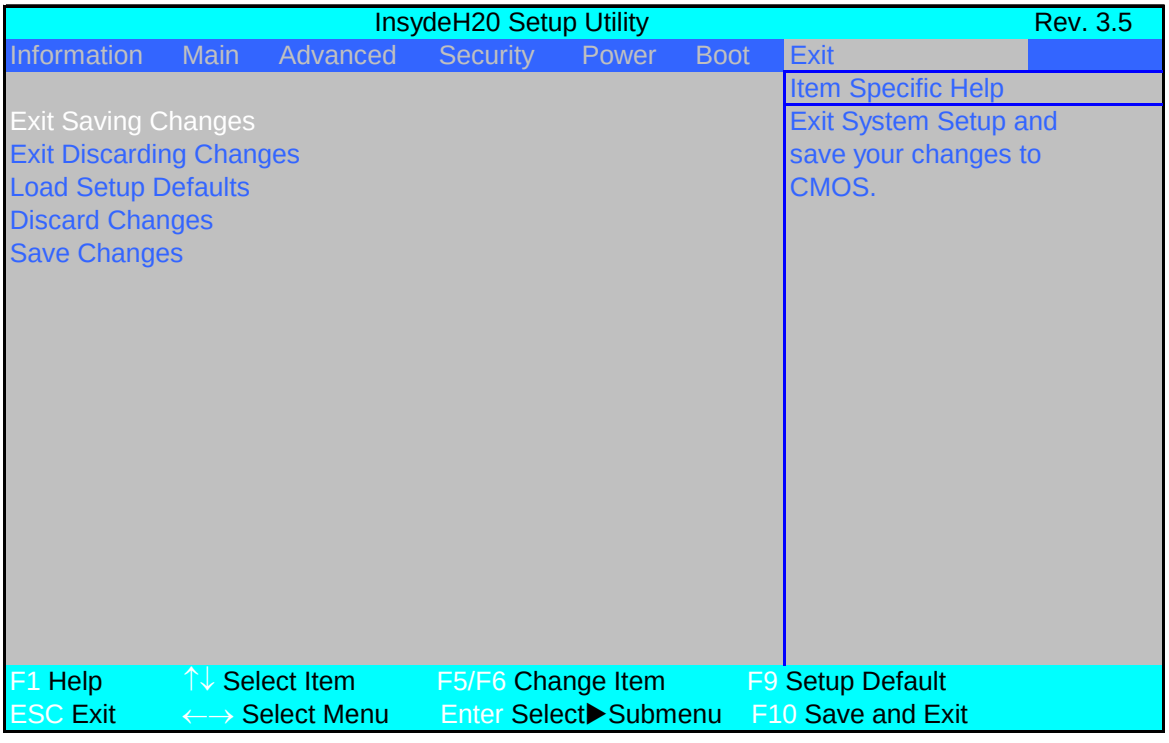
Boot

This menu allows the user to decide the order of boot devices to load the operating system. Bootable devices includes the USB diskette drives, the onboard hard disk drive and the DVD drive in the module bay.



Exit

The Exit screen allows you to save or discard any changes you made and quit the BIOS Utility.



The table below describes the parameters in this screen.

Parameter	Description
Exit Saving Changes	Exit System Setup and save your changes to CMOS.
Exit Discarding Changes	Exit utility without saving setup data to CMOS.
Load Setup Default	Load default values for all SETUP item.
Discard Changes	Load previous values from CMOS for all SETUP items.
Save Changes	Save Setup Data to CMOS.

BIOS Flash Utilities

The BIOS flash memory update is required for the following conditions:

- New versions of system programs
- New features or options
- Restore a BIOS when it becomes corrupted.

Use the Phlash utility to update the system BIOS flash ROM.

NOTE: If you do not have a crisis recovery diskette at hand, then you should create a **Crisis Recovery Diskette** before you use the Phlash utility.

NOTE: Do not install memory-related drivers (XMS, EMS, DPMI) when you use the Phlash.

NOTE: Please use the AC adaptor power supply when you run the Phlash utility. If the battery pack does not contain enough power to finish BIOS flash, you may not boot the system because the BIOS is not completely loaded.

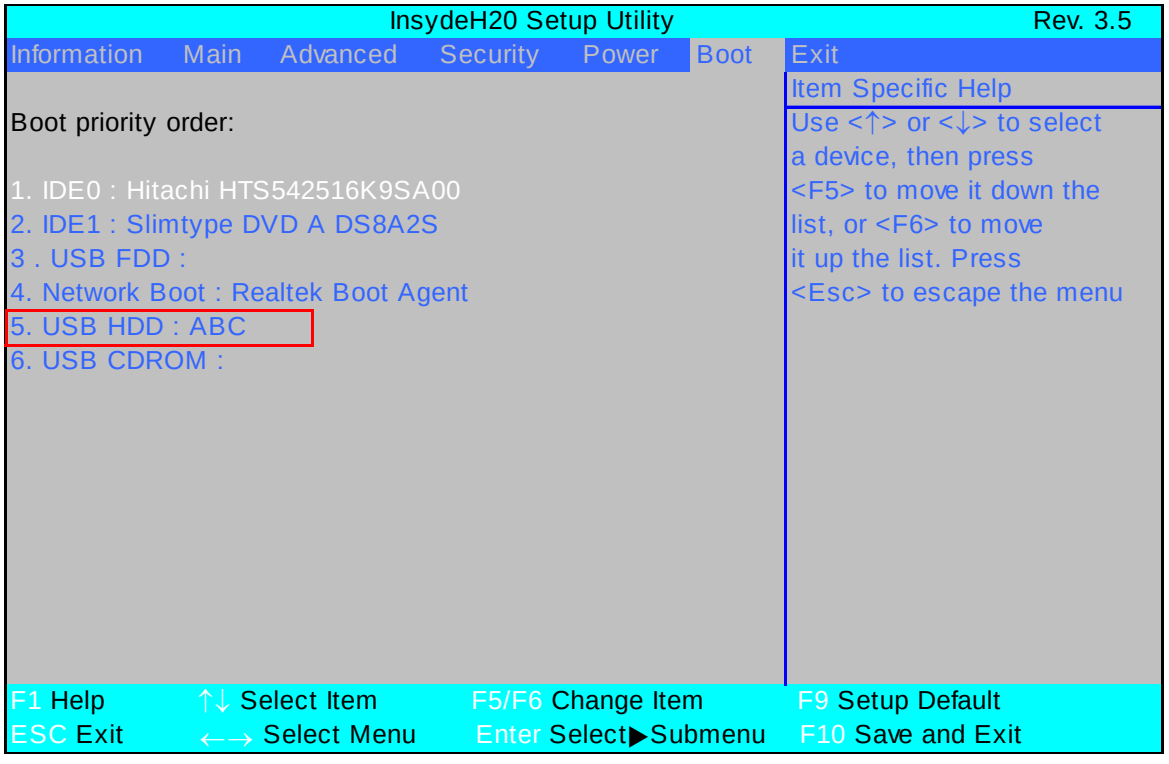
Fellow the steps below to run the Phlash.

1. Prepare a bootable diskette.
2. Copy the flash utilities to the bootable diskette.
3. Then boot the system from the bootable diskette. The flash utility has auto-execution function.

DOS Flash Utility

Perform the following steps to use the DOS Flash Utility:

1. Press F2 during boot to enter the Setup Menu.
2. Select **Boot Menu** to modify the boot priority order, for example, if using USB HDD to Update BIOS, move USB HDD to position 1.



3. Execute the **IFLASH.BAT** batch file to update BIOS.

The flash process begins as shown.

4. In flash BIOS, the message **Please do not remove AC Power Source** displays.

NOTE: If the AC power is not connected, the following message displays.

Plug in the AC power to continue.

5. Flash is complete when the message Flash programming complete displays.

WinFlash Utility

Perform the following steps to use the WinFlash Utility:

1. Double click the WinFlash executable.
2. Click **OK** to begin the update. A progress screen displays.

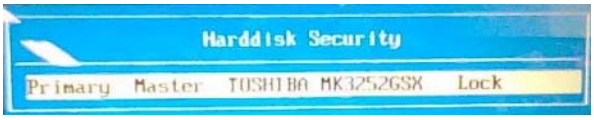
3. When the process is complete, close all programs and applications and reboot the system.

Remove HDD/BIOS Password Utilities

This section provide you with removing HDD/BIOS method:

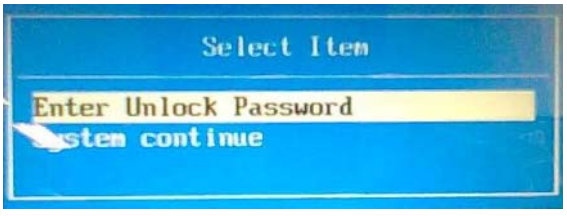
Remove HDD Password:

When the user keys in the wrong password three times, the system reports the following error code to user.



To unlock the HDD password, perform the following steps:

1. Press **Enter** to display the Select Item screen.



2. Select **Enter Unlock Password** and press **Enter**.

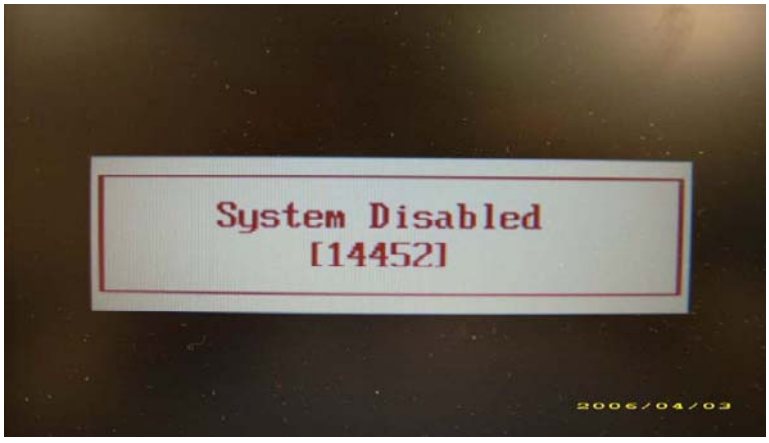
An Unlock Password displays.

3. Make a note of the key, **76943488** in the example.
4. Boot up the system and open a DOS prompt.
5. Enter the **UnlockHD.EXE** command and input the key to create an unlock code. Make a note of the result, for example **46548274**.
6. Reboot and enter the BIOS by pressing F2 when prompted.
7. Go to the Security menu and select Set Hdd Password (see “Security” on page 26).

8. Enter the unlock code generated by UnlockHD.EXE as the current password, **46548274** in the example, and complete the **New Password** and **Confirm** fields to create a new HDD password.
9. Save and exit the BIOS to complete the process.

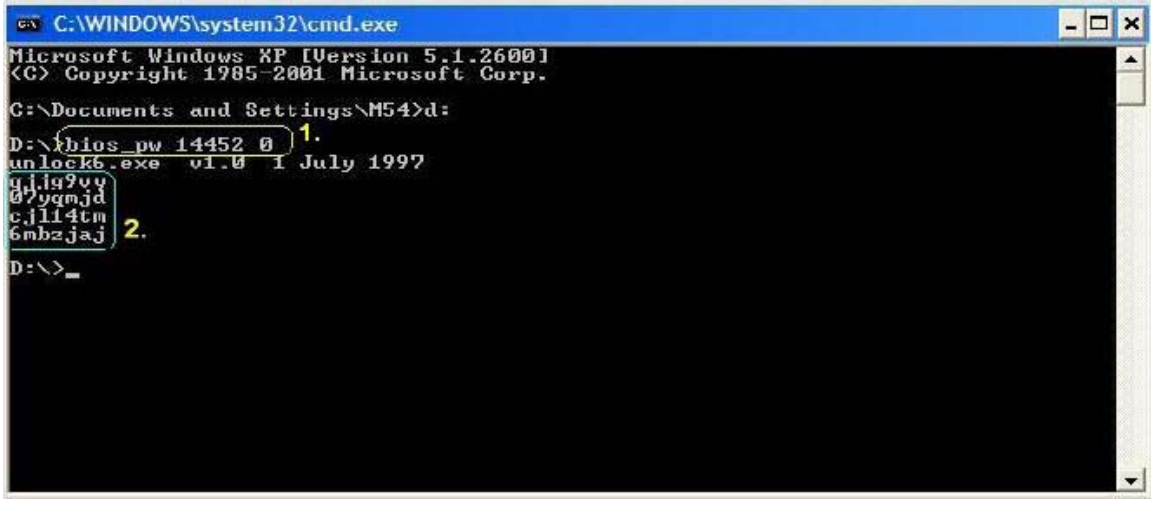
Removing BIOS Passwords:

If you key in the wrong Supervisor Password three times, System Disabled displays on the screen. See the image below.



To reset the BIOS password, run BIOS_PW.EXE as follows:

1. Key in **bios_pw 14452 0**
2. Select one string from the list.



3. Reboot the system and key in the selected string (qjjg9vy, 07yqmjd etc.) for the BIOS user password.

Cleaning BIOS Passwords

To clear the password, perform the following steps:

1. From a DOS prompt, Execute **clnpwd.exe**

2. Press 1 or 2 to clean the desired password shown on the screen.

The onscreen message determines whether the function is successful or not.

Machine Disassembly and Replacement

IMPORTANT: The outside housing and color may vary from the mass produced model.

This chapter contains step-by-step procedures on how to disassemble the notebook computer for maintenance and troubleshooting.

Disassembly Requirements

To disassemble the computer, you need the following tools:

- Wrist grounding strap and conductive mat for preventing electrostatic discharge
- Flat screwdriver
- Philips screwdriver
- Plastic flat screwdriver
- Plastic tweezers

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.

IMPORTANT: Various images depict the use of a regular metal screwdriver, however, a plastic screwdriver is advised when disassembling parts near or around the motherboard and to prevent scratching of the computer surface.

General Information

Pre-disassembly Instructions

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

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

3. Place the system on a flat, stable surface.
4. Remove the battery pack.

Disassembly Process

The disassembly process is divided into the following stages:

- External module disassembly
- Main unit disassembly
- LCD module disassembly

The flowcharts provided in the succeeding disassembly sections illustrate the entire disassembly sequence. Observe the order of the sequence to avoid damage to any of the hardware components. For example, if you want to remove the main board, you must first remove the keyboard, then disassemble the inside assembly frame in that order.

Main Screw List

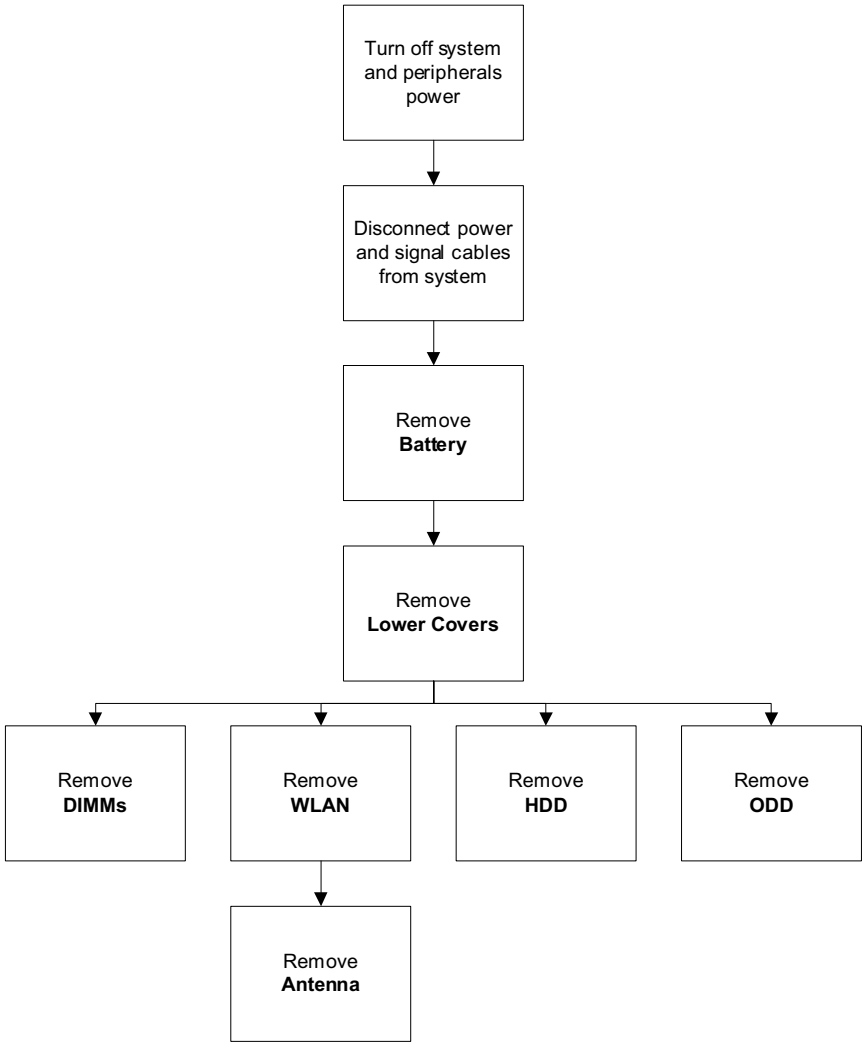
Screw	Quantity		Part Number
M2.5*8	15		86.AT902.001
M2.5*5	21		86.AT902.002
M2*L3	22		86.AT902.003
M2.5*4	3		86.AT902.004
M3*3	4		86.AT902.006
M2.5*6.5	4		86.AT902.007

External Module Disassembly Process

IMPORTANT: The outside housing and color may vary from the mass produced model.

External Modules Disassembly Flowchart

The flowchart below gives you a graphic representation on the entire disassembly sequence and instructs you on the components that need to be removed during servicing. For example, if you want to remove the main board, you must first remove the keyboard, then disassemble the inside assembly frame in that order.



Screw List

Step	Screw	Quantity	Part No.
Memory Cover	M2.5*8	2	86.AT902.001
WLAN Cover	M2.5*8	1	86.AT902.001
WLAN Module	M2*L3	2	86.AT902.003
HDD Carrier	M3*3	4	86.AT902.006
ODD Module	M2.5*5	1	86.AT902.002
ODD Bracket	M2*L3	3	86.AT902.003

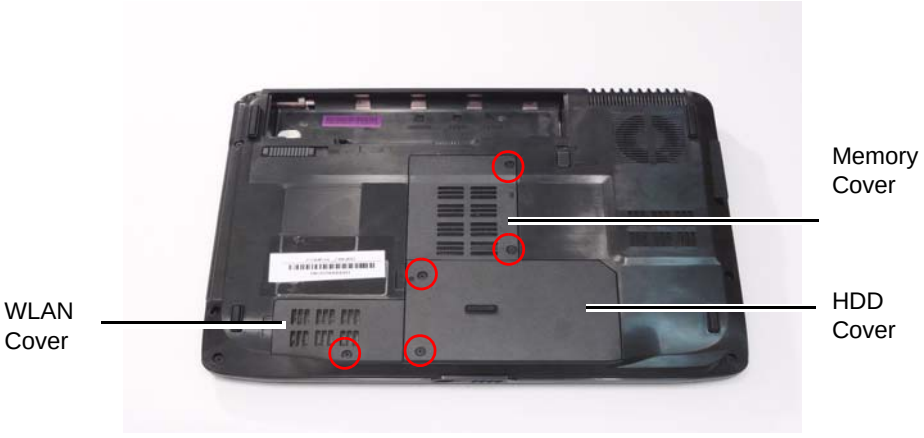
Removing the Battery Pack

1. Turn computer over.
2. Slide the battery lock/unlock latch to the unlock position.

3. Slide and hold the battery release latch to the release position (1), then slide out the battery pack from the main unit (2).

Removing the Lower Covers

1. See “Removing the Battery Pack” on page 44.
2. Remove the three screws from the memory and WLAN bays and loosen the two captive screws on the HDD cover.



Step	Size	Quantity	Screw Type
Memory Cover	M2.5*8	2	
WLAN Cover	M2.5*8	1	

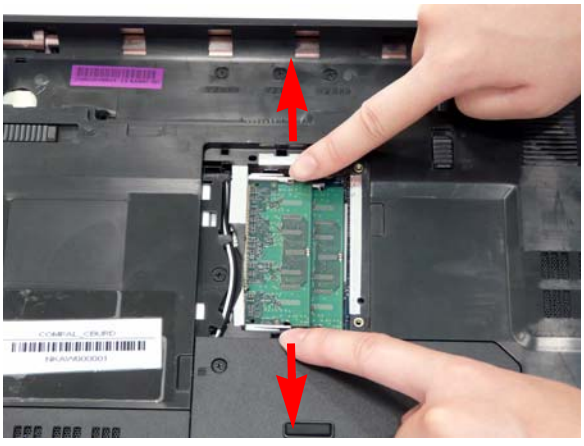
3. Carefully open the memory cover.

4. Remove the HDD cover as shown.

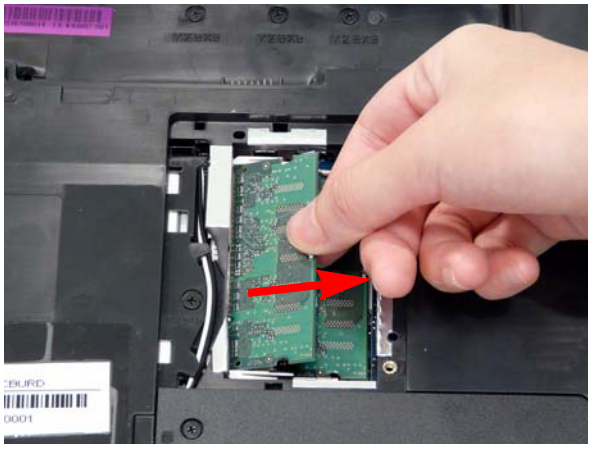
5. Remove the WLAN cover as shown.

Removing the DIMM Modules

1. See “Removing the Battery Pack” on page 44.
2. Remove the Memory Module cover See “Removing the Lower Covers” on page 45.
3. Push out the release latches on both sides of the DIMM socket to release the DIMM module.



4. Remove the DIMM module.

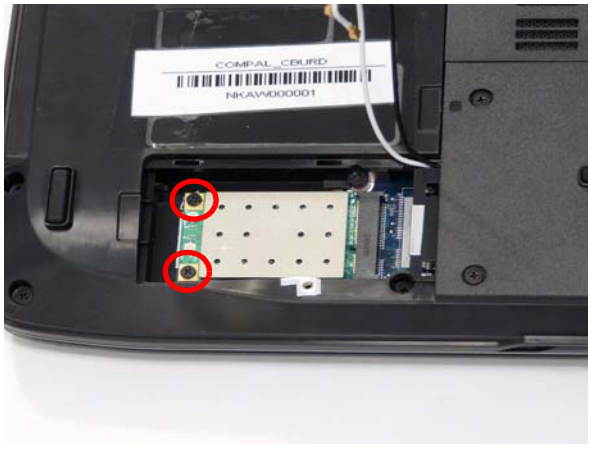


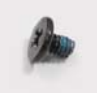
5. Repeat steps for the second DIMM module if present.

Removing the WLAN Module

1. See “Removing the Battery Pack” on page 44.
2. Remove the WLAN cover. See “Removing the Lower Covers” on page 45.
3. Disconnect the antenna cables from the WLAN board.

4. Move the antenna away and remove the two screws on the WLAN board to release the WLAN board.



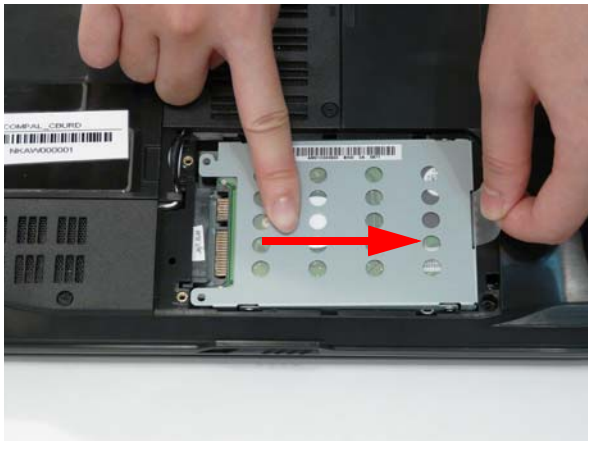
Step	Size	Quantity	Screw Type
WLAN Module	M2*L3	2	

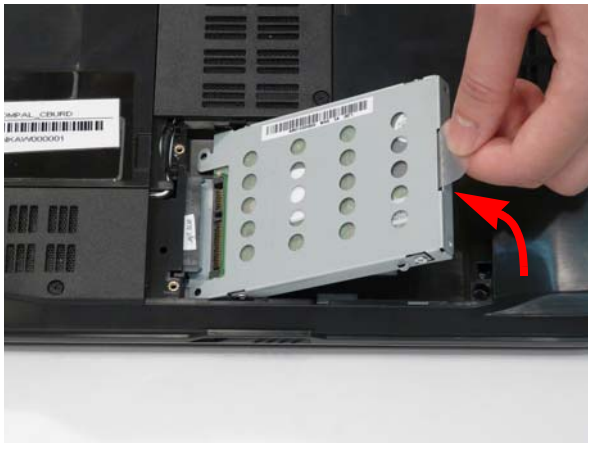
5. Detach the WLAN board from the WLAN socket.

NOTE: When attaching the antenna back to the WLAN board, make sure the cables are sitting in the housing to prevent damage.

Removing the Hard Disk Drive Module

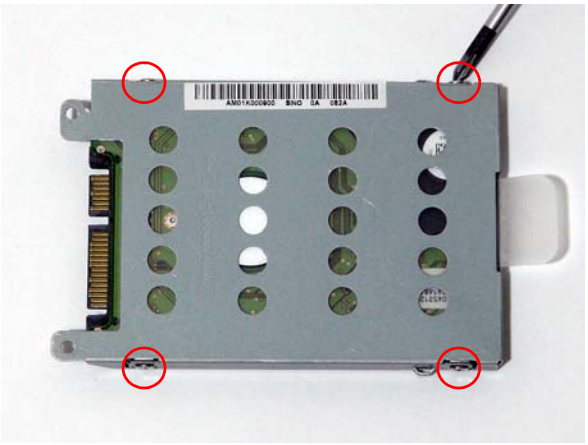
1. See “Removing the Battery Pack” on page 44.
2. Remove the HDD cover, See “Removing the Lower Covers” on page 45.
3. Use the pull-tab to pull and lift the hard disk drive module out of the bay.

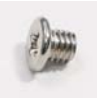




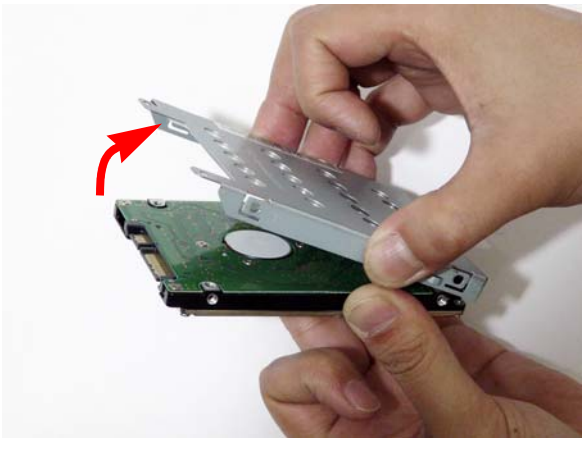
NOTE: To prevent damage to device, avoid pressing down on it or placing heavy objects on top of it.

4. Remove the four screws securing the hard disk to the carrier.



Step	Size	Quantity	Screw Type
HDD Carrier	M3*3	4	

5. Remove the HDD from the carrier.

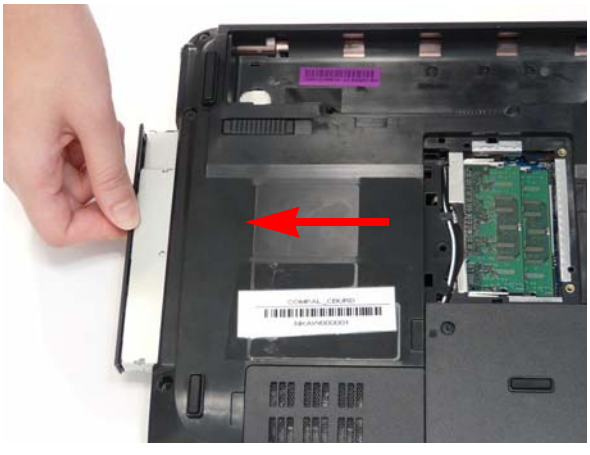


Removing the Optical Drive Module

1. See “Removing the Battery Pack” on page 44.
2. Remove the Memory cover. See “Removing the Lower Covers” on page 45.
3. Remove the screw securing the ODD module.

Step	Size	Quantity	Screw Type
ODD Module	M2.5*5	1	

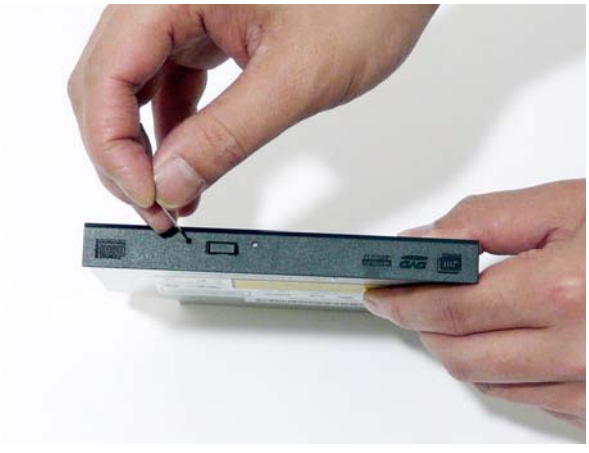
4. Pull the optical drive module out from the chassis.



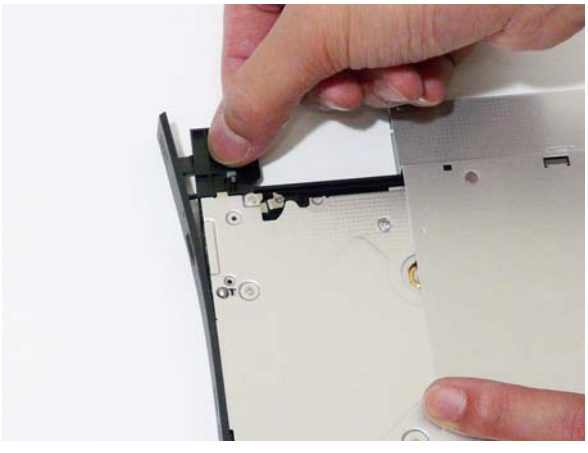
5. Remove the three screws securing the ODD bracket and remove the ODD bracket from the optical disk drive module.

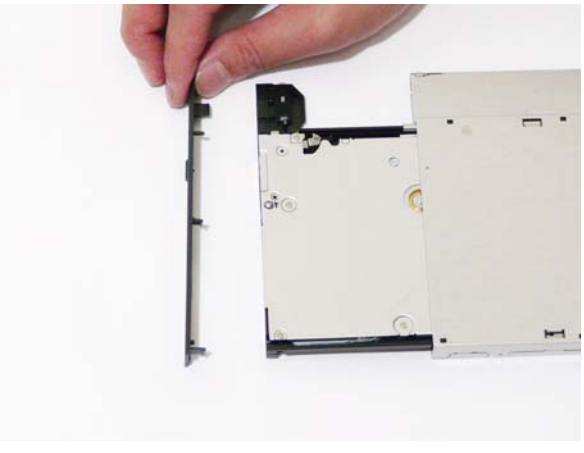
Step	Size	Quantity	Screw Type
ODD Bracket	M2*L3	3	

6. Insert a pin in the eject hole of the ODD to eject the ODD tray.



7. Press down on the locking catch to release the ODD cover and remove.

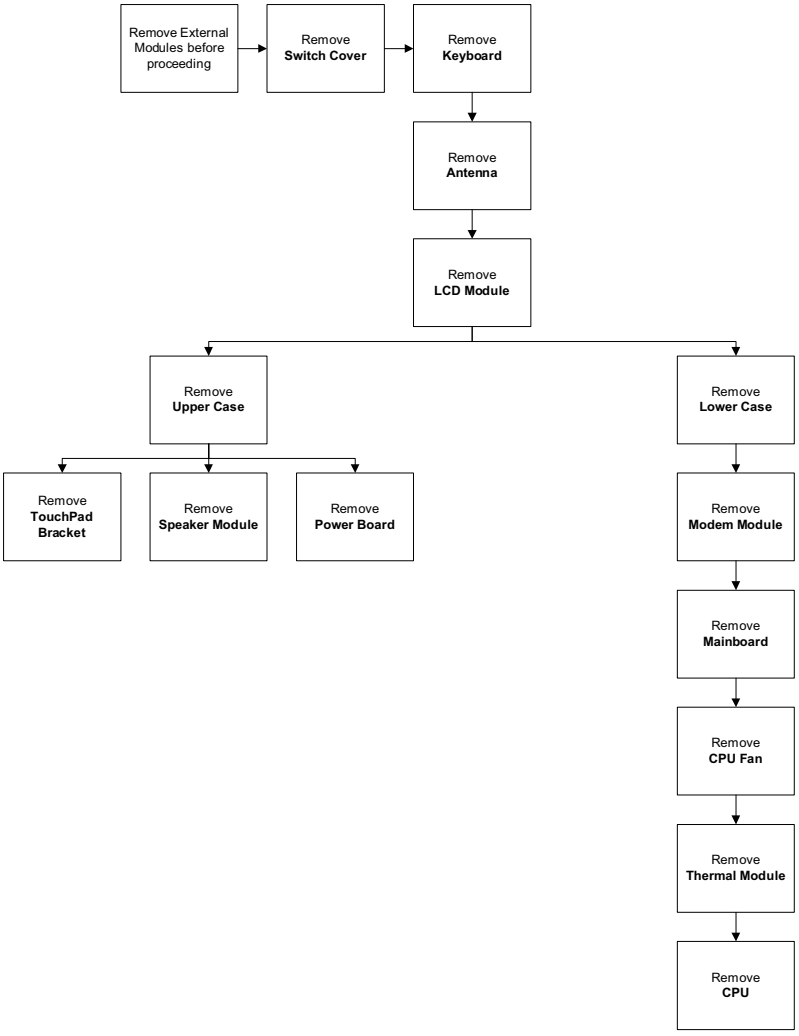




Main Unit Disassembly Process

IMPORTANT: The outside housing and color may vary from the mass produced model.

Main Unit Disassembly Flowchart



Screw List

Step	Screw	Quantity	Part No.
Switch Cover	M2.5*5	3	86.AT902.002
LCD Module	M2.5*8	2	86.AT902.001
	M2.5*8	2	86.AT902.001
	M2.5*5	2	86.AT902.002
Upper Cover	M2.5*8	8	86.AT902.001
	M2.5*5	7	86.AT902.002
TouchPad Bracket	M2*L3	2	86.AT902.003
Speaker Module	M2*L3	4	86.AT902.003
Modem Module	M2*L3	2	86.AT902.003
Mainboard	M2.5*5	1	86.AT902.002
CPU Fan	M2.5*4	3	86.AT902.004
Thermal Module	M2.5*6.5	4	86.AT902.007

Removing the Switch Cover

CAUTION: Using tools to remove the Switch Cover may cause damage to the outer casing. It is recommended that you only use your fingers to remove the Switch Cover.

1. See “Removing the Battery Pack” on page 44.
2. Locate and remove the three securing screws from the battery bay.

Step	Size	Quantity	Screw Type
Switch Cover	M2.5*5	3	

3. Turn the computer over and open the LCD module to expose the Switch Cover.
4. Lift the Switch Cover as shown, and move from right to left side.

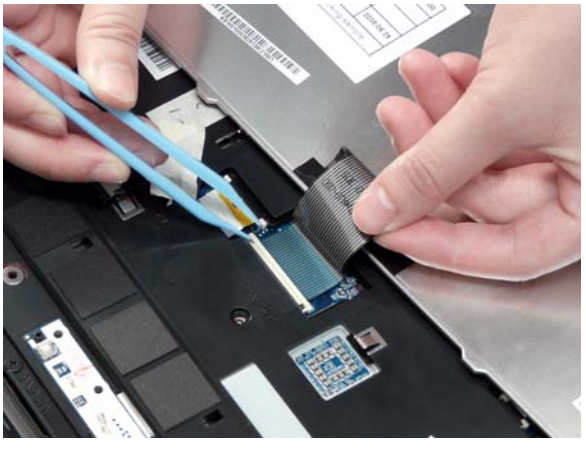
5. Lift the Switch Cover clear of the chassis.

Removing the Keyboard

1. See “Removing the Switch Cover” on page 55.
2. Lift the keyboard away from the chassis as shown.

3. Turn the keyboard over on the TouchPad area to expose the FFC cable.

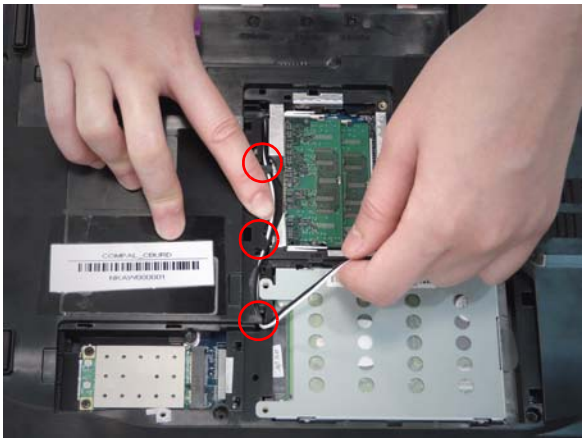
4. Open the cable retainer and disconnect the FFC cable from the mainboard.



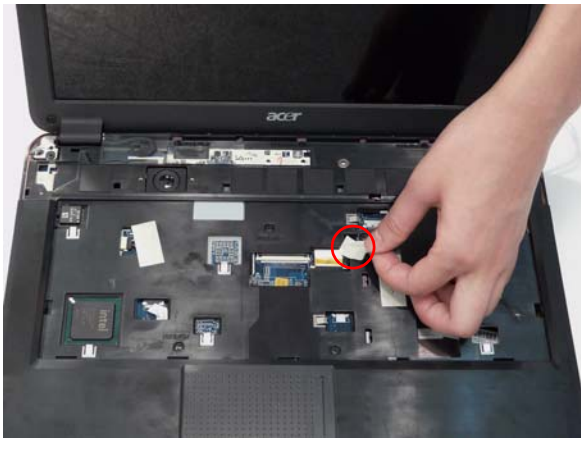
5. Lift the keyboard clear of the chassis.

Removing the Antenna

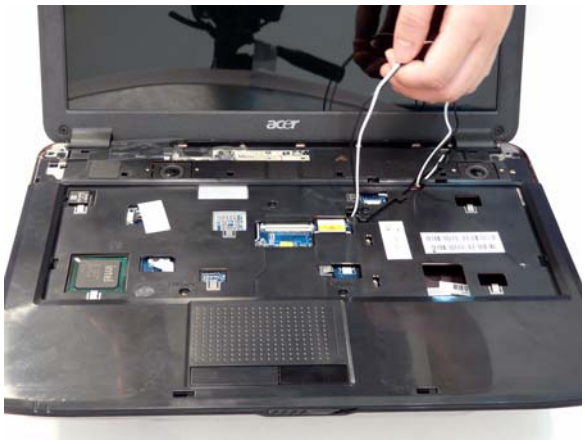
1. See See “Removing the Keyboard” on page 57.
2. Remove the Antenna Cables from the securing pins as shown.



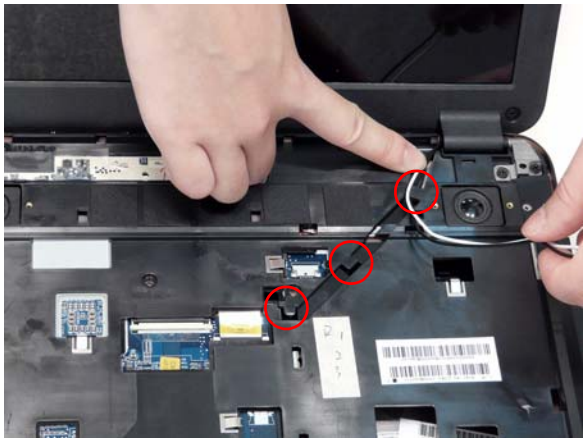
3. Turn the computer over. Remove the adhesive strip holding the antenna cables.



4. Feed the antenna cables from the underside of the computer.



5. Remove the Antenna Cables from the securing pins as shown.

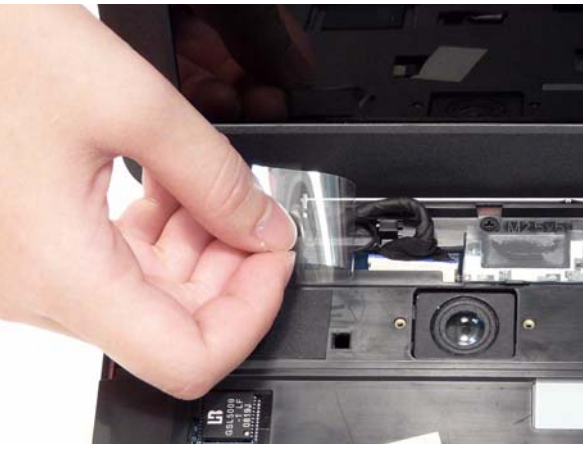


Removing the LCD Module

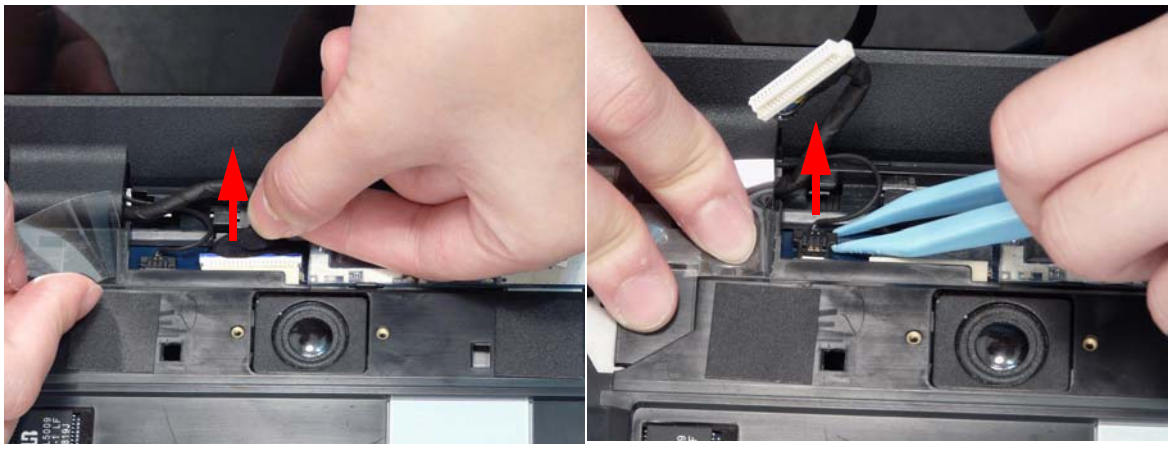
1. See “Removing the Battery Pack” on page 44.
2. See “Removing the Antenna” on page 58.
3. Remove the two securing screws from the bottom of the chassis.

Step	Size	Quantity	Screw Type
LCD Module	M2.5*8	2	

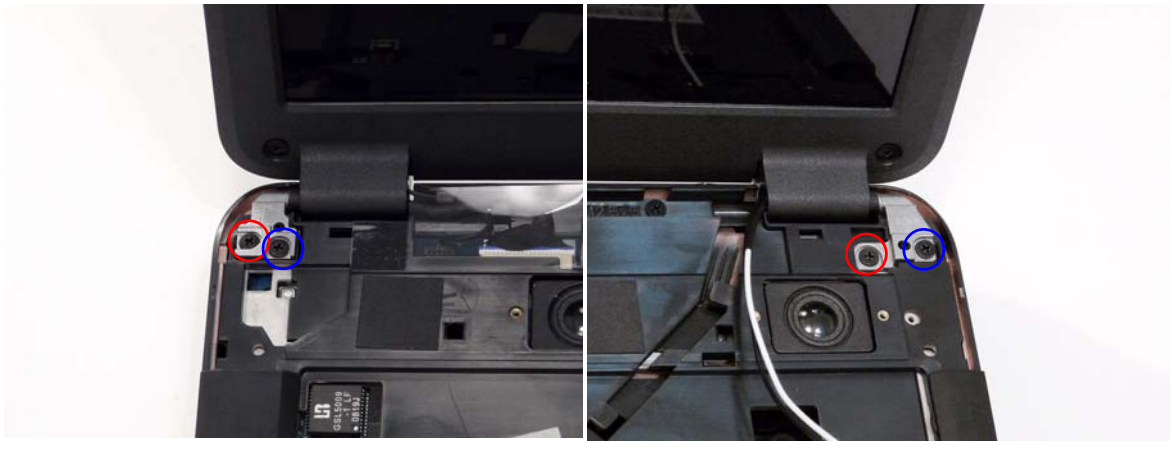
4. Turn the computer over. Peel back the protective film to expose the interface cables.



5. Disconnect the two LCD interface cables from the chassis.



6. Remove the four securing screws (two each side) from the LCD module.

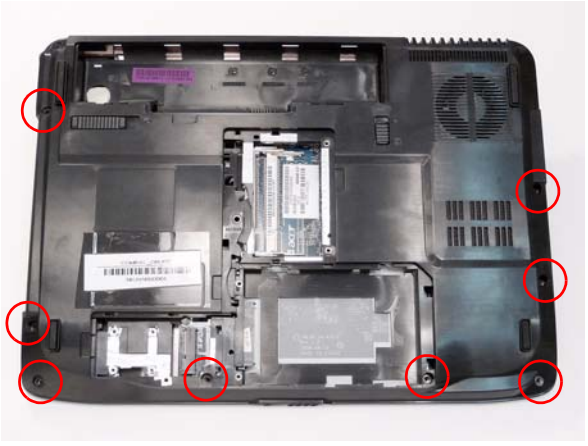


Step	Size	Quantity	Screw Type
LCD Module (red callout)	M2.5*8	2	
LCD Module (blue callout)	M2.5*5	2	

7. Carefully remove the LCD module from the chassis.

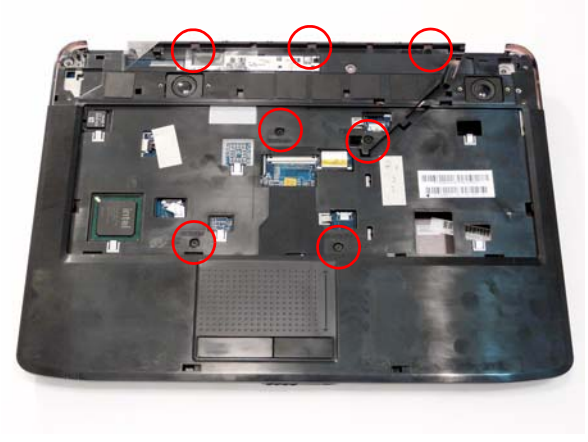
Removing the Upper Cover

1. See “Removing the Battery Pack” on page 44.
2. See “Removing the Lower Covers” on page 45.
3. See “Removing the LCD Module” on page 60.
4. Turn the computer over. Remove the eight screws on the bottom panel.



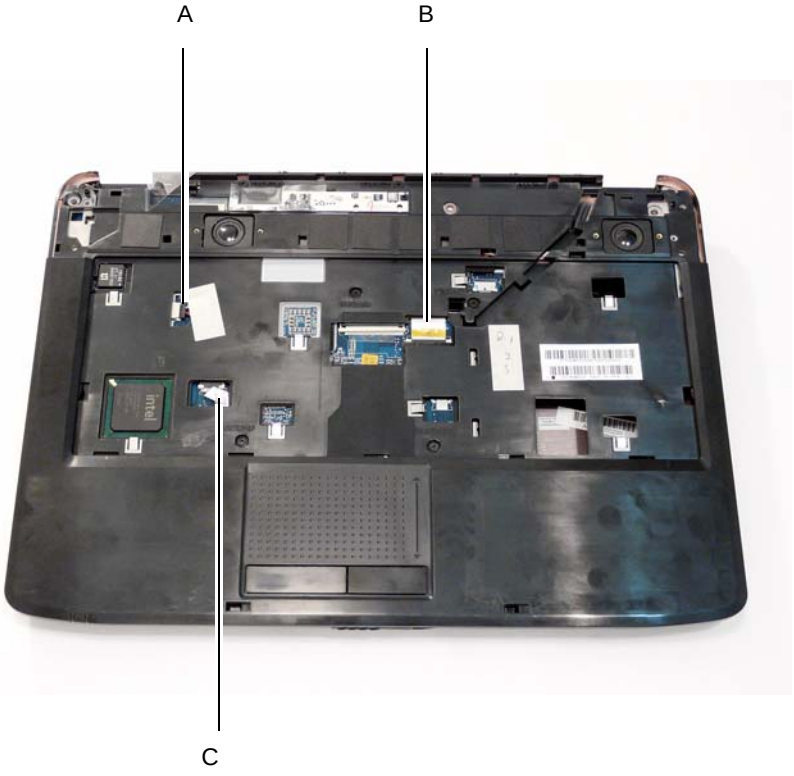
Step	Size	Quantity	Screw Type
Upper Cover	M2.5*8	8	

5. Turn the computer over. Remove the seven screws on the top panel.

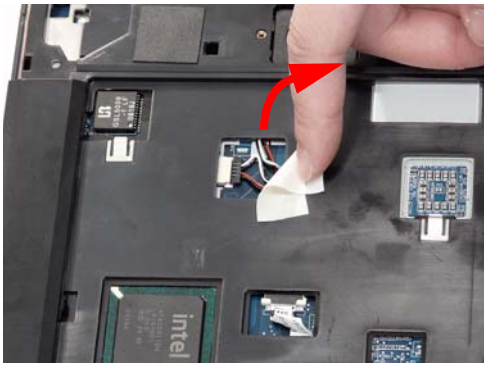


Step	Size	Quantity	Screw Type
Upper Cover	M2.5*5	7	

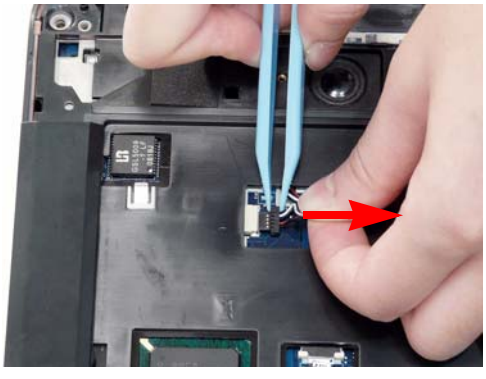
6. Disconnect the three cables from the mainboard as shown.



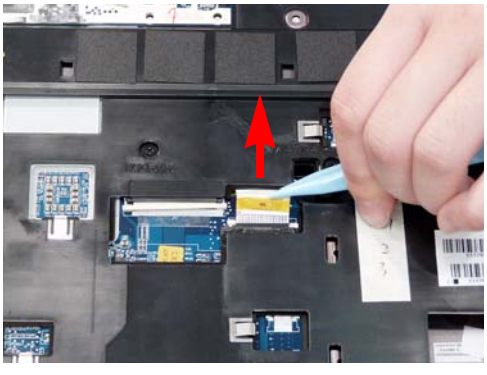
Remove the adhesive tape to expose cable A.



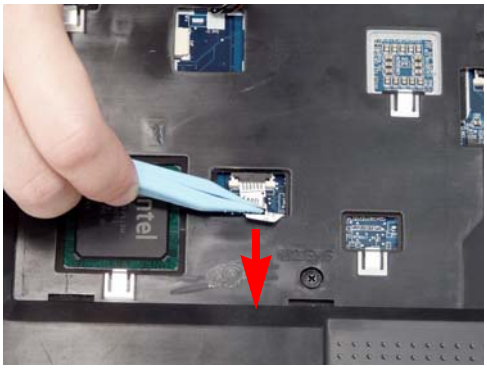
Disconnect A as shown.



Release the securing latches and disconnect B as shown.



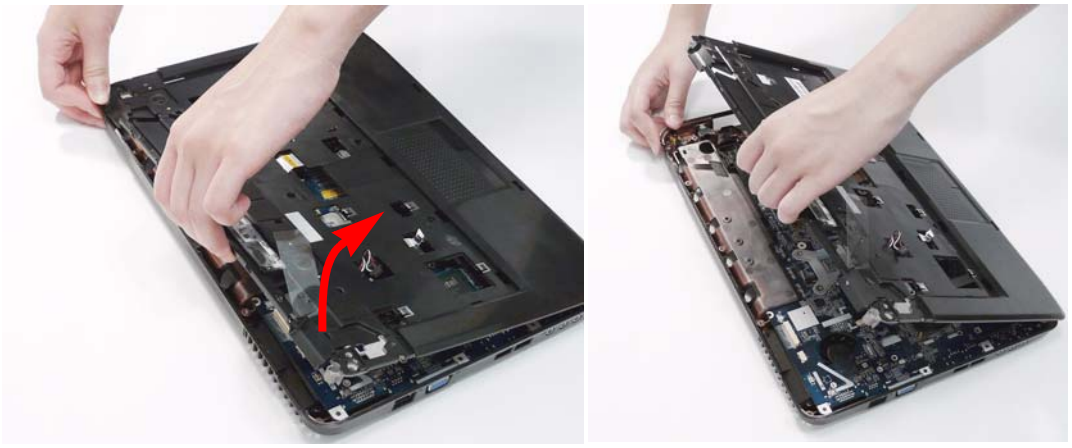
Release the securing latches and disconnect C as shown.



NOTE: Avoid pulling on the cables directly to prevent damage to the connectors.

NOTE: Use the pull-tabs on the FFC cables whenever available to prevent damage to the FFC cables.

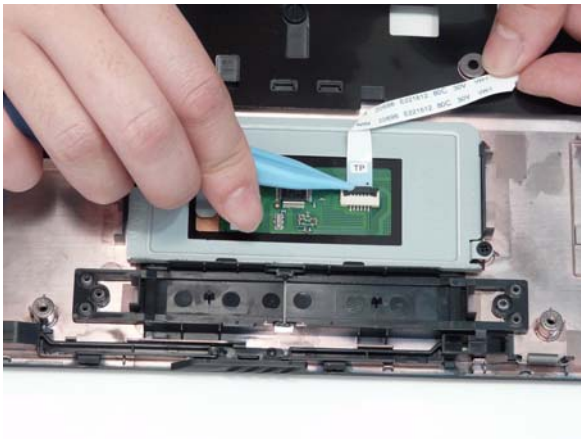
7. Remove the upper cover by lifting upward from the chassis, rear edge first.

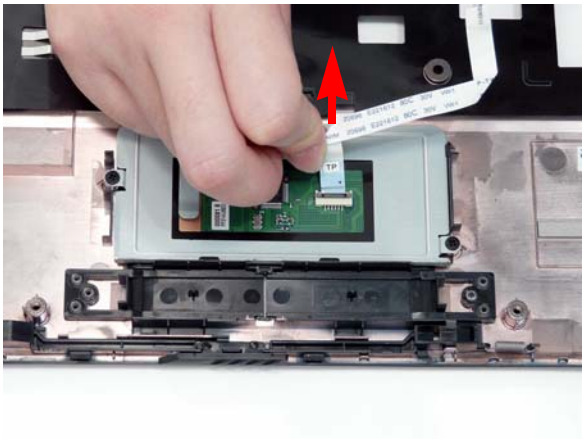


8. Turn the upper cover over. The upper cover appears as follows.

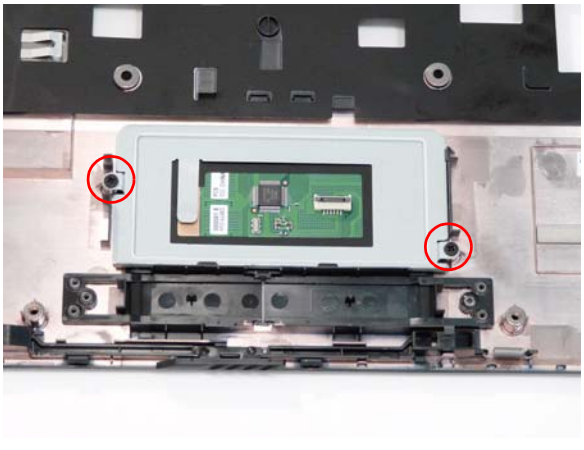
Removing the TouchPad Bracket

1. See “Removing the Upper Cover” on page 62.
2. Lift the cable latch and disconnect the TouchPad cable from the TouchPad board.



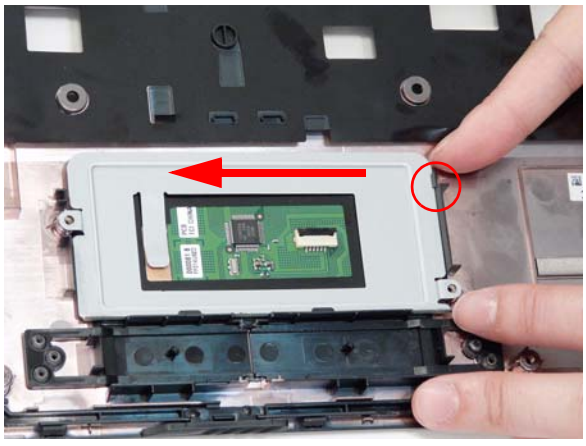


3. Remove the two securing screws from the TouchPad bracket.

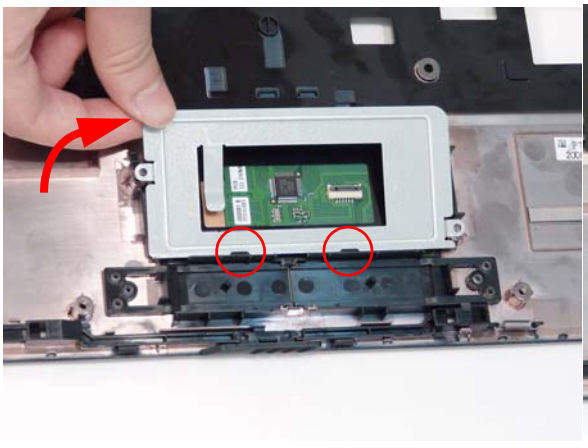


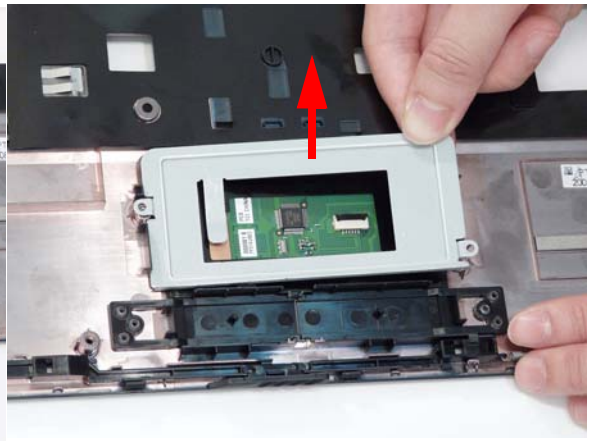
Step	Size	Quantity	Screw Type
TouchPad Bracket	M2*L3	2	

4. Push the TouchPad bracket to the left to clear the securing clip.



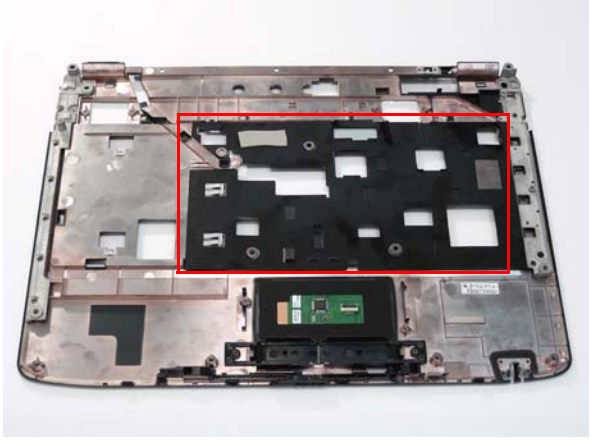
5. Lift the rear edge of the TouchPad bracket first to clear the securing clips and remove the it as shown.





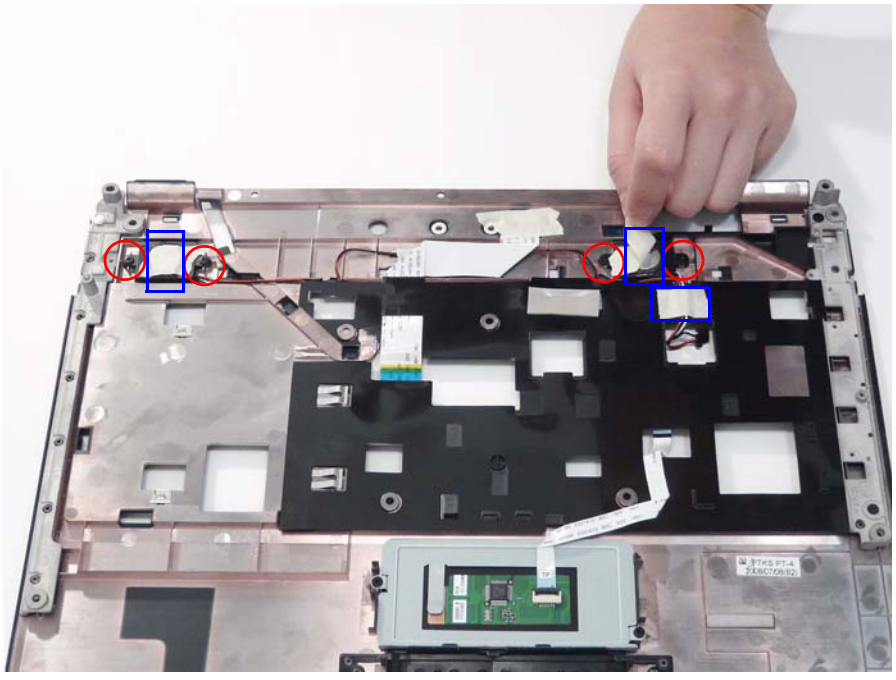
IMPORTANT: The TouchPad board is integrated into the design of the Upper Cover. To replace the TouchPad board, remove all components from the Upper Cover and install an entirely new Upper Cover.

IMPORTANT: The MOSFET pad is attached to the Upper Cover and is reusable. If the replacement Upper Cover does not have a MOSFET pad (see highlighted area below), remove the MOSFET pad from the replaced Upper Cover and stick it to the new Upper Cover.



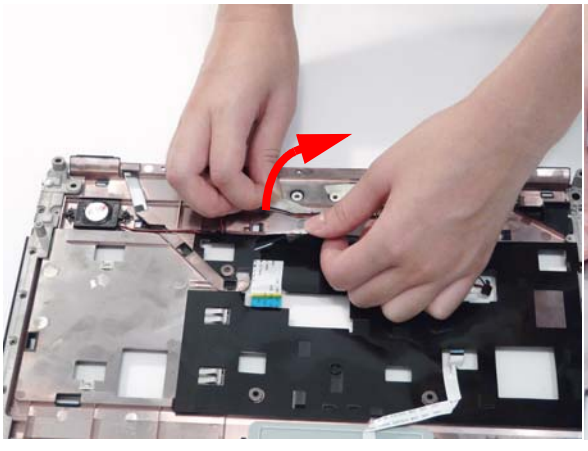
Removing the Speaker Modules

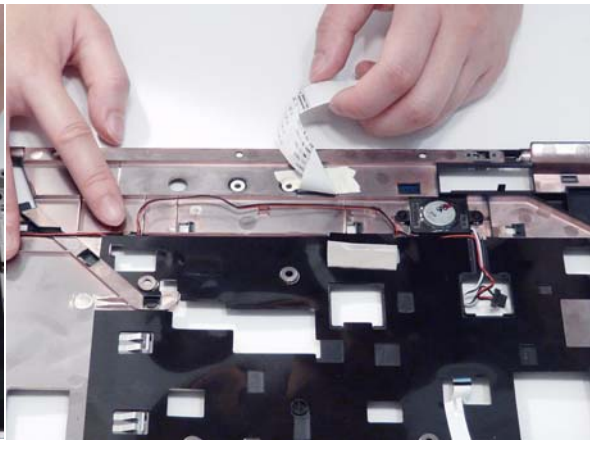
1. See “Removing the Upper Cover” on page 62.
2. Remove the adhesive tape (blue callouts) and four securing screws (red callouts) from the speaker modules.



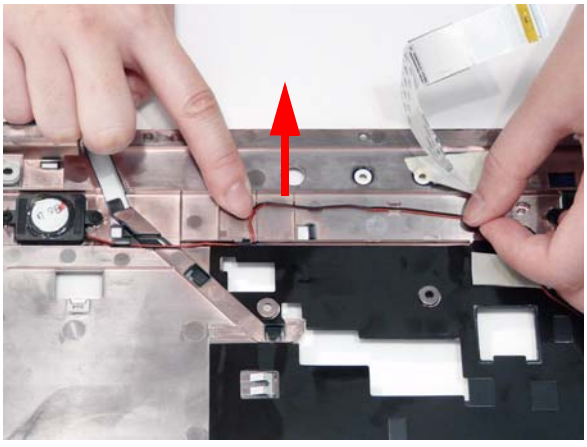
Step	Size	Quantity	Screw Type
Speaker Modules (red callout)	M2*L3	4	

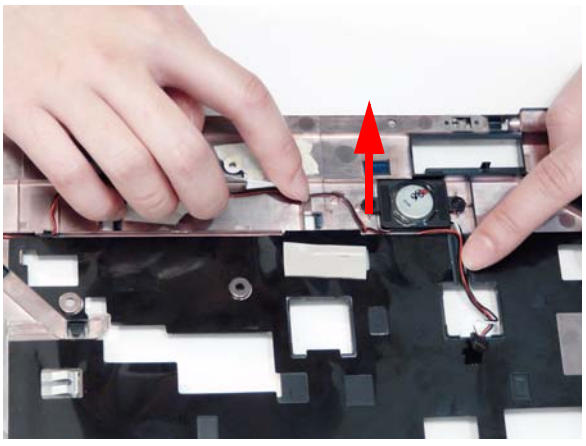
3. Peel back the Power Board FFC cable to expose the speaker cable.



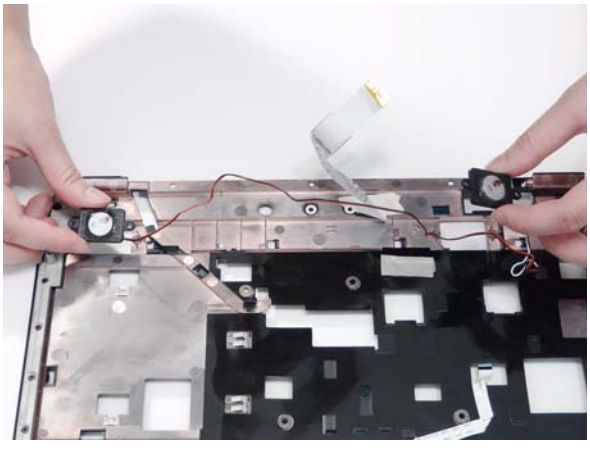


4. Remove the speaker cable from the cable guides as shown.



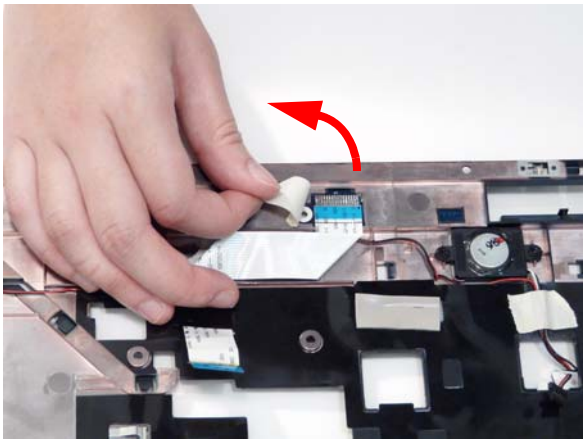


5. Remove the Speaker Modules from the upper cover.

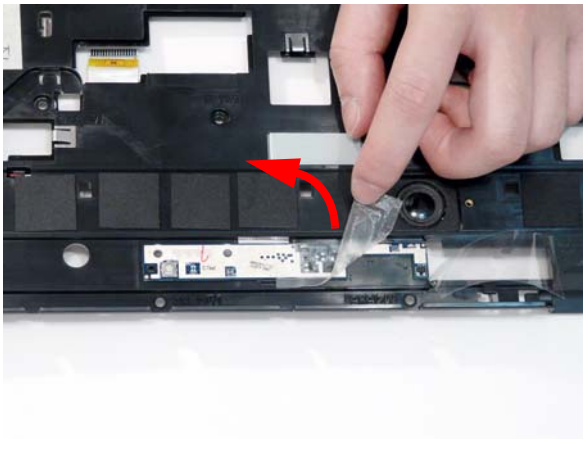


Removing the Power Board

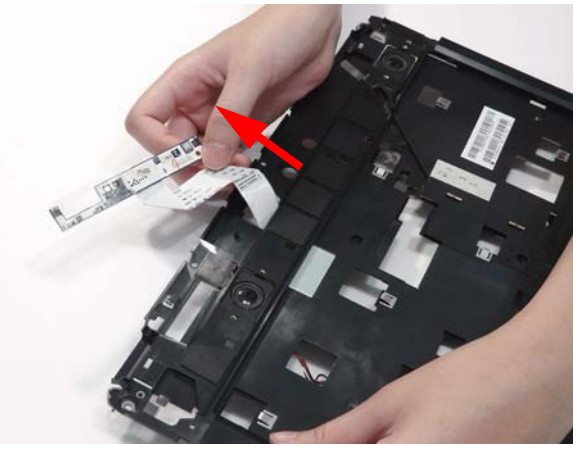
1. See “Removing the Upper Cover” on page 62.
2. Remove the adhesive tape from the Power Board cable as shown.



3. Turn the Upper Cover over. Remove the adhesive tape from the Power Board as shown.

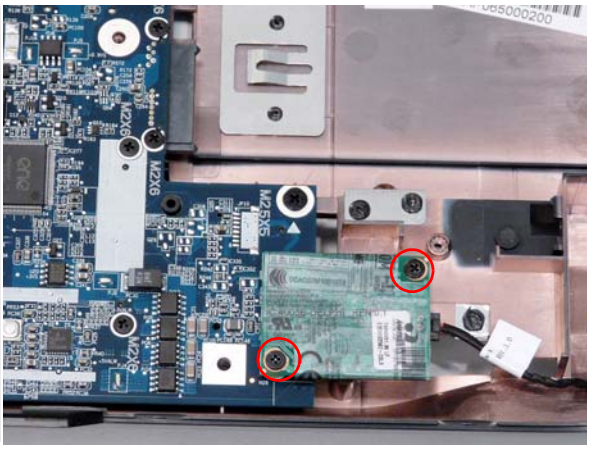


4. Lift the Power Board away from the cover and pull the FFC cable through as shown.



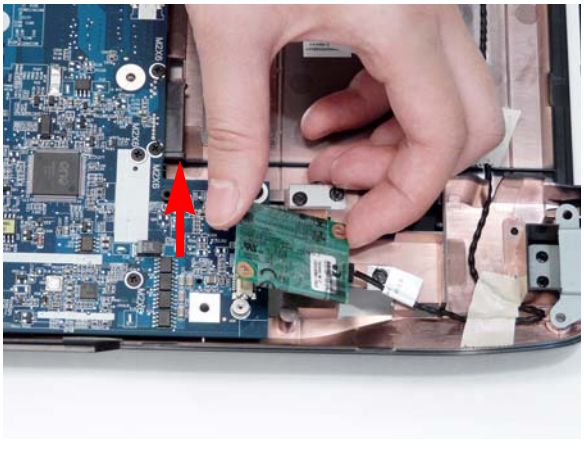
Removing the Modem Module

1. See “Removing the Upper Cover” on page 62.
2. Remove the two screws securing the Modem module.

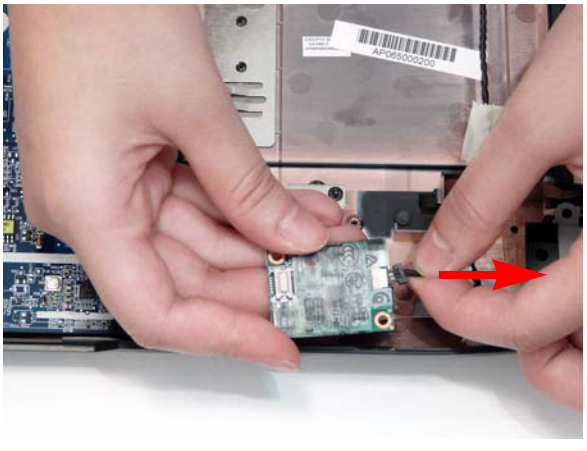


Step	Size	Quantity	Screw Type
Modem Module	M2*L3	2	

3. Remove the Modem module from the Lower Cover.



4. Disconnect the Modem cable from the Modem module.



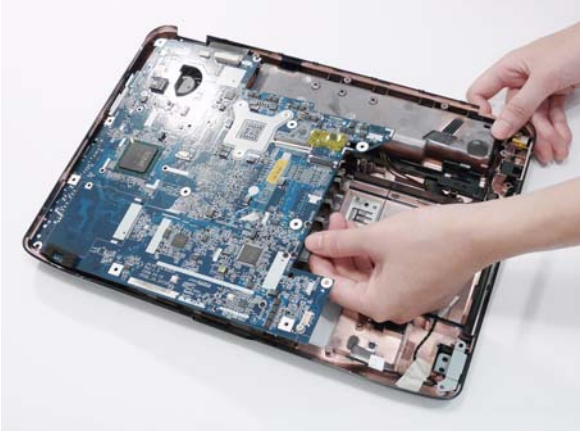
Removing the Main Board

1. See “Removing the Upper Cover” on page 62.
2. Remove the securing screw from the Mainboard.

Step	Size	Quantity	Screw Type
Mainboard	M2.5*5	1	

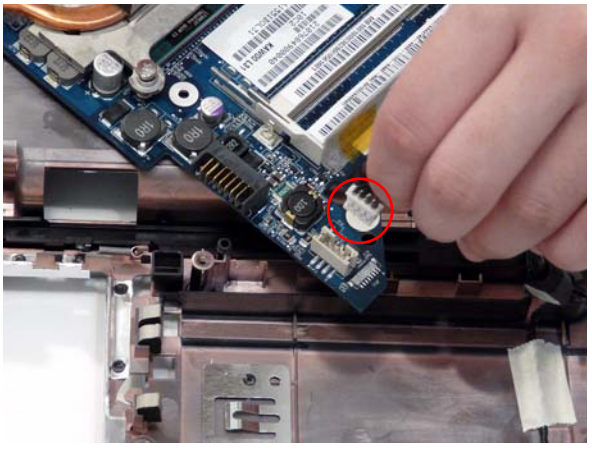
3. Remove the main board, rightside first, as shown.

IMPORTANT: The DC IN cable is still attached to the mainboard at this stage. Do not remove the mainboard from the chassis completely.



4. Turn the Mainboard over to expose the DC IN connector.

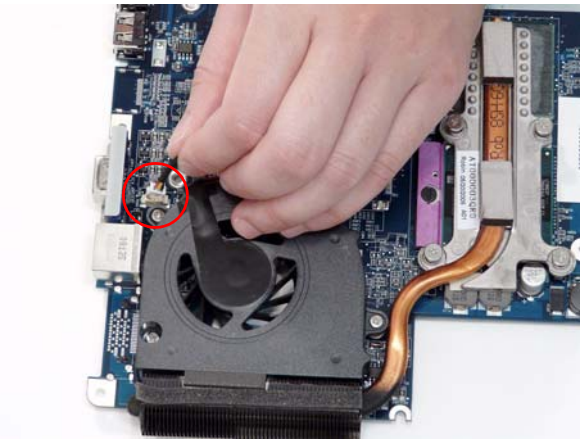
5. Disconnect the DC IN Cable from the mainboard.



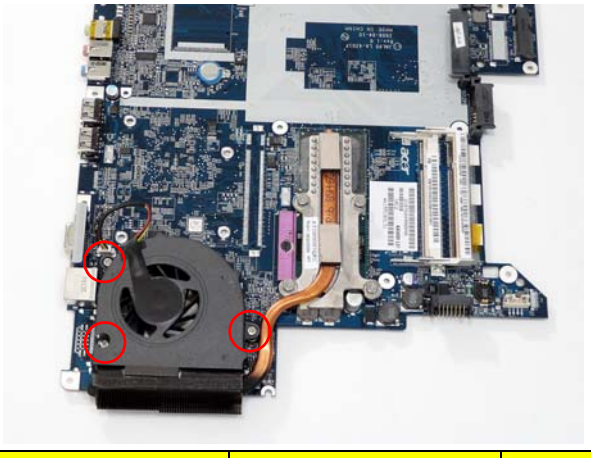
6. Remove the mainboard from the chassis and place it on a clean, dust-free surface.

Removing the CPU Fan

1. See “Removing the Main Board” on page 71.
2. Disconnect the fan cable from the mainboard.



3. Remove the three securing screws from the fan module.

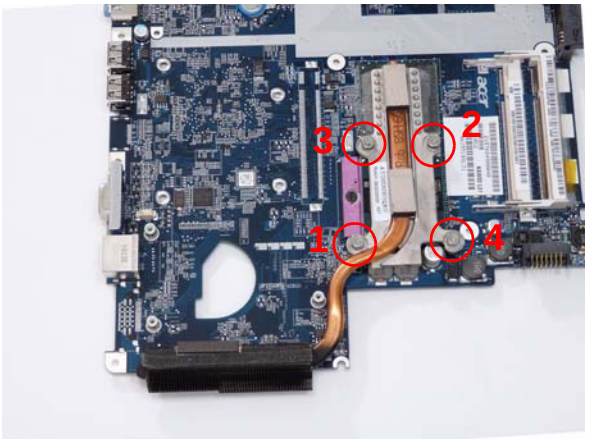


Step	Size	Quantity	Screw Type
Mainboard	M2.5*4	3	

4. Lift the fan clear of the mainboard.

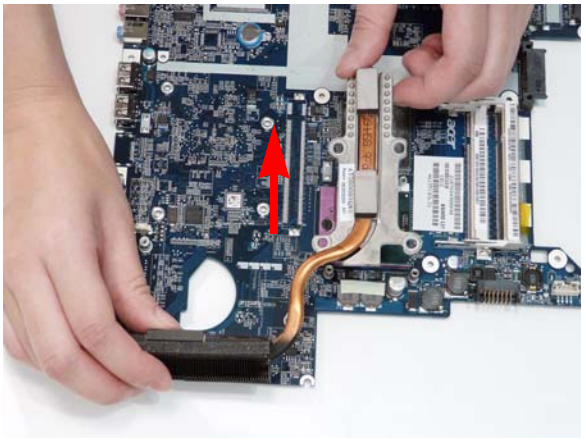
Removing the Thermal Module

1. See “Removing the CPU Fan” on page 73.
2. Remove the four securing screws (in reverse numerical order from screw 4 to screw 1) from the Thermal Module.



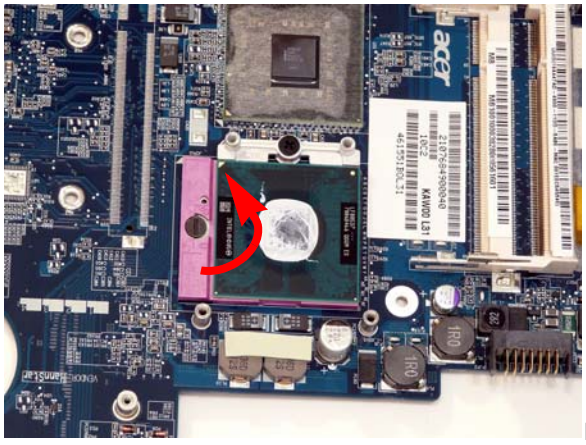
Step	Size	Quantity	Screw Type
Thermal Module	M2.5*6.5	4	

3. Using both hands, lift the Thermal Module clear of the Mainboard.



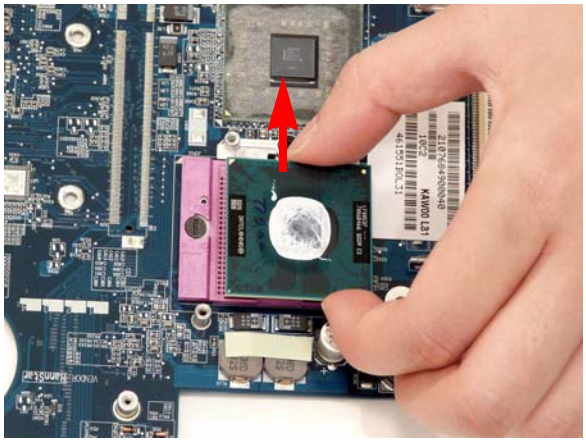
Removing the CPU

1. See “Removing the Main Board” on page 71.
2. See “Removing the Thermal Module” on page 74.
3. Using a flat screwdriver, turn the CPU socket latch counter-clockwise 180° to release the CPU.



k

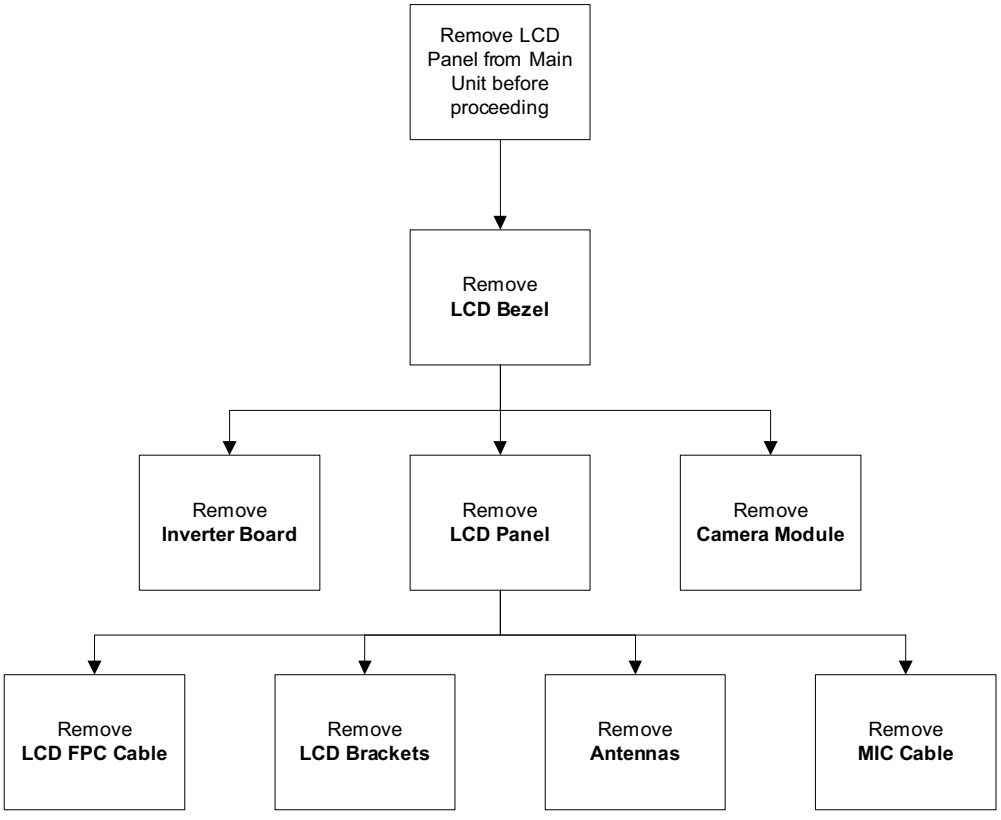
4. Lift the CPU clear of the Mainboard.



LCD Module Disassembly Process

IMPORTANT: The outside housing and color may vary from the mass produced model.

LCD Module Disassembly Flowchart



Screw List

Step	Screw	Quantity	Part No.
LCD Bezel	M2.5*5	4	86.AT902.002
Inverter Board	M2.5*5	1	86.AT902.002
Camera Module	M2*L3	1	86.AT902.003
LCD Panel	M2.5*5	2	86.AT902.002
LCD Brackets	M2*L3	8	86.AT902.003

Removing the LCD Bezel

1. See “Removing the LCD Module” on page 60.
2. Remove the two upper and two lower bezel screw caps and screws.

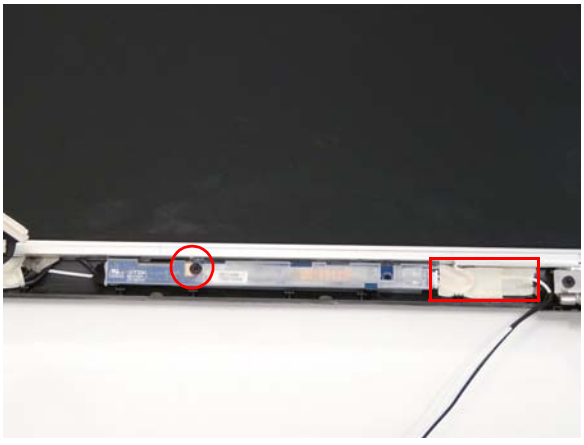
Step	Size	Quantity	Screw Type
LCD Bezel	M2.5*5	4	

3. Starting from the upper inside edge of the bezel, pry the bezel upwards and away from the panel. Move along the sides until all sides of the bezel are removed.

   NOTE: If necessary, use a plastic pry to lift up the outside edges of the bezel.

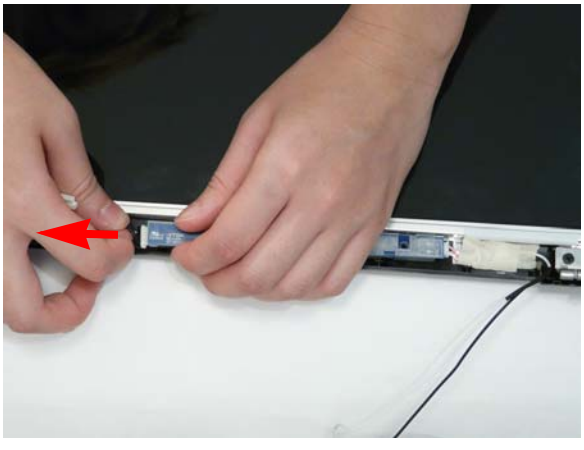
Removing the Inverter Board

1. See “Removing the LCD Bezel” on page 77.
2. Remove the securing screw and adhesive tape from the Inverter board.



Step	Size	Quantity	Screw Type
Inverter Board	M2.5*5	1	

3. Disconnect the left Inverter board cable as shown.

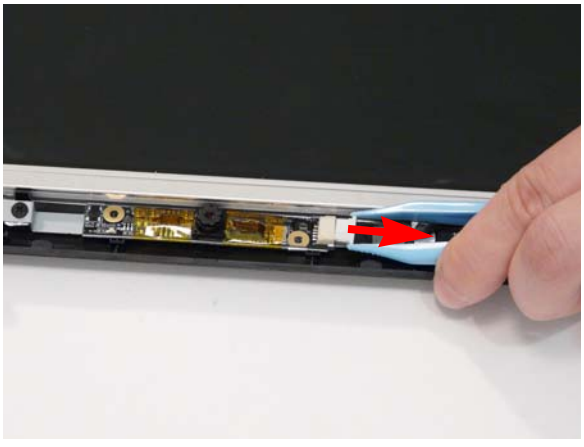


4. Lift the Inverter board clear of the LCD Module and disconnect the right cable.

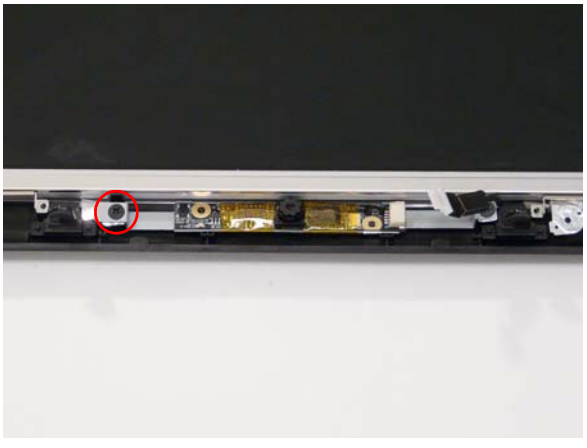
5. Remove the Inverter board from the LCD module.

Removing the Camera Module

1. See “Removing the LCD Bezel” on page 77.
2. Disconnect the Camera Module cable as shown.

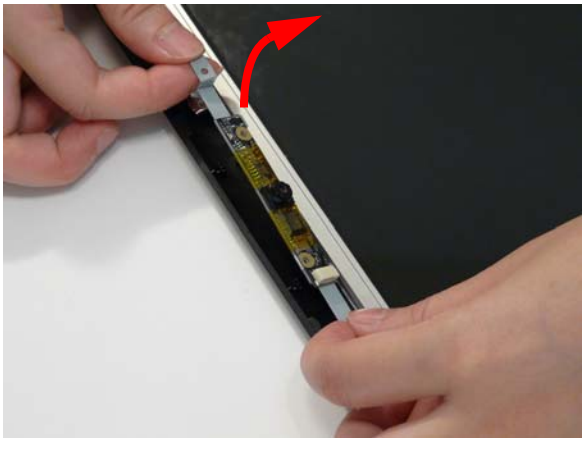


3. Remove the single securing screw from the Camera Module.



Step	Size	Quantity	Screw Type
Camera Module	M2*L3	1	

4. Lift the Camera Module, left side first, clear of the LCD Module.

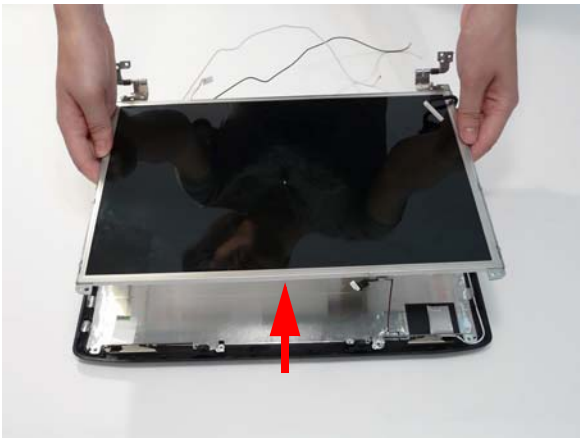


Removing the LCD Panel

1. See “Removing the LCD Bezel” on page 77.
2. Remove the two securing screws from the LCD Module.

Step	Size	Quantity	Screw Type
LCD Panel	M2.5*5	2	

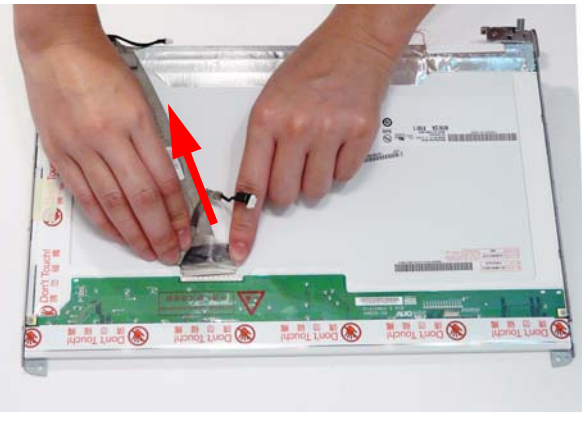
3. Lift the LCD Panel clear of the LCD Module.



Removing the LCD Brackets and FPC Cable

1. See “Removing the LCD Panel” on page 80.
2. Turn the LCD panel over to expose the rear. Lift the camera connector clear of the panel.

3. Lift the adhesive protector and disconnect the cable from the LCD Panel.



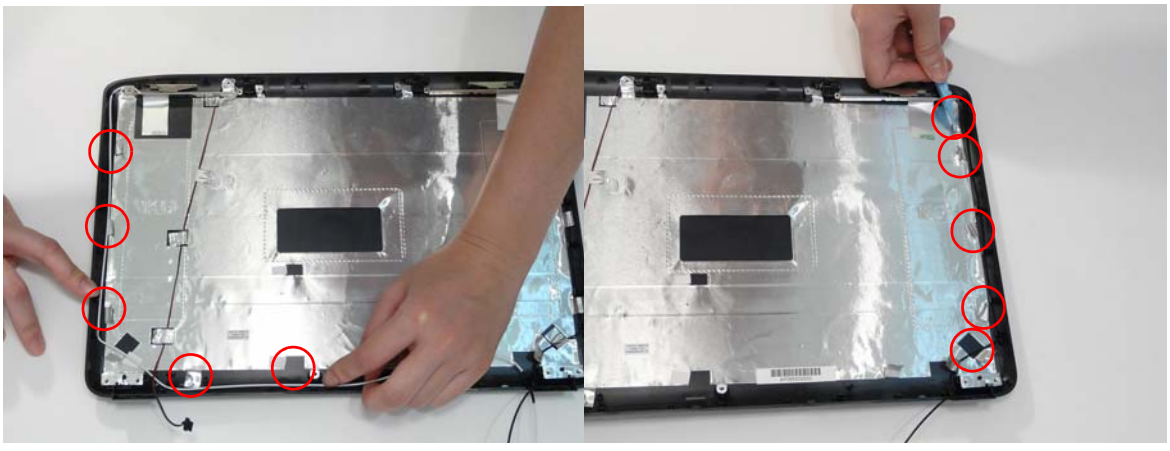
4. Grip the FPC cable and lift upward to detach the adhesive pads and remove the cable from the panel.
5. Remove the eight securing screws (four on each side) from the LCD Panel brackets.

Step	Size	Quantity	Screw Type
LCD Brackets	M2*L3	8	

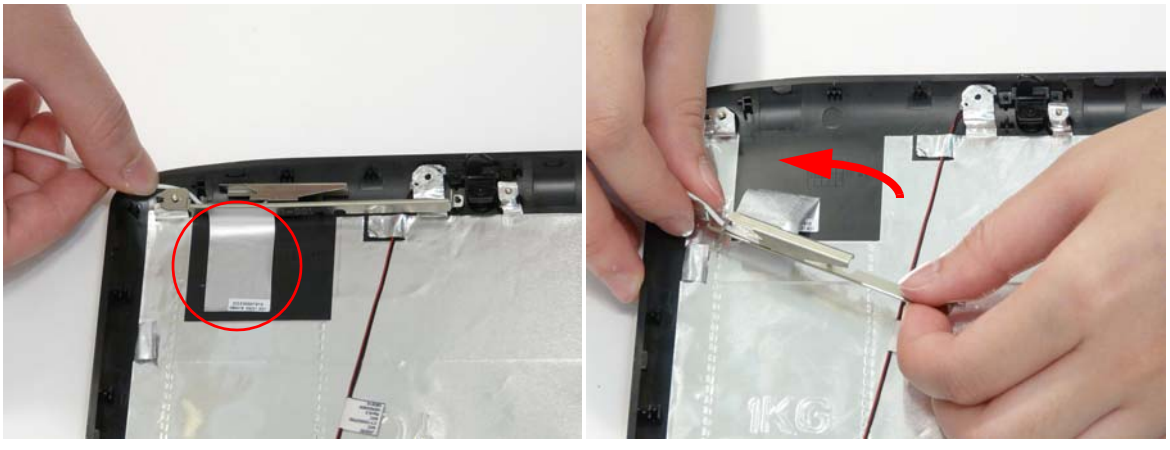
6. Remove the LCD brackets by pulling away from the LCD Panel as shown.

Removing the Antennas

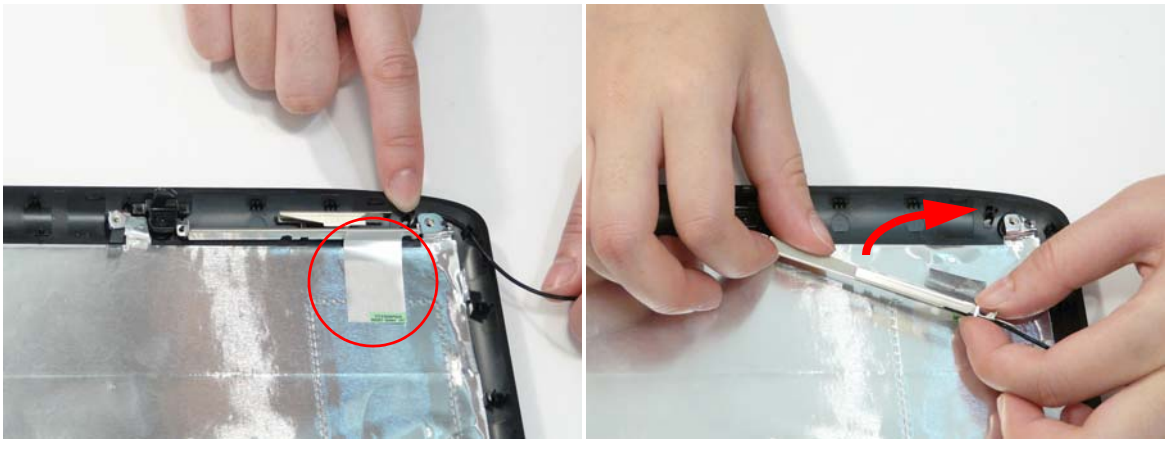
1. See “Removing the LCD Panel” on page 80.
2. Remove the strips holding the antenna cables in place. Ensure the cables are free from obstructions.



3. Remove the tab securing the left antenna to the LCD module.



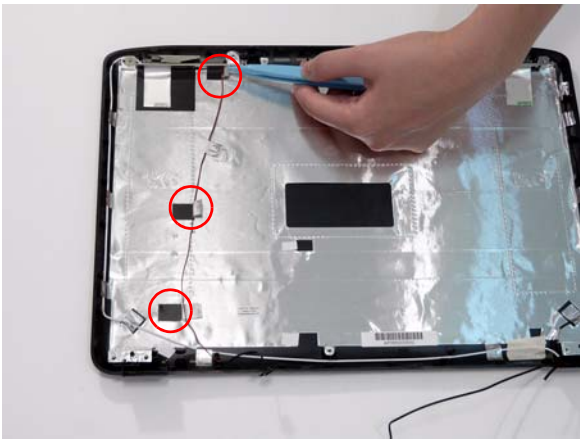
4. Remove the tab securing the right antenna to the LCD module.



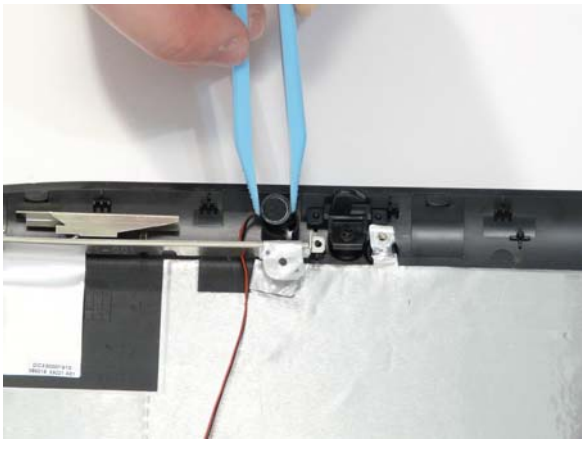
5. Remove the antenna cables and assembly from the LCD module.

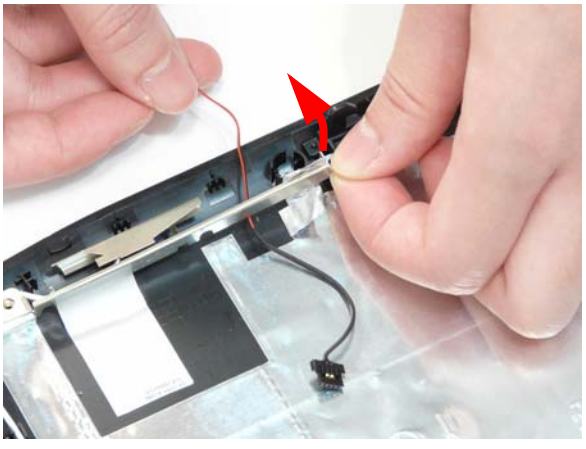
Removing the MIC Module

1. See “Removing the Antennas” on page 82.
2. Remove the strips holding the MIC Module cable in place. Ensure the cable is free from obstructions.



3. Remove the MIC cable and Module from the LCD module.
   NOTE: If the left antenna is present, it may be necessary to lift the assembly to free the Mic cable.

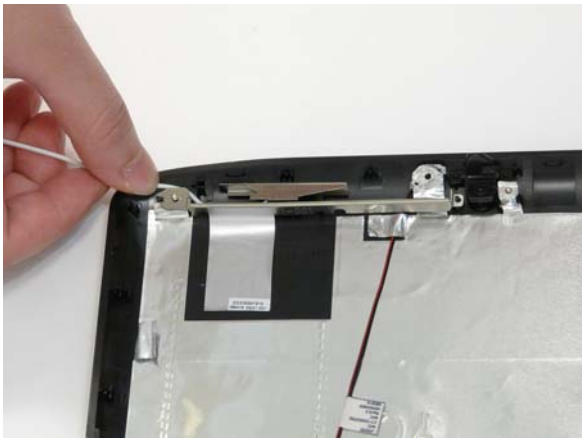
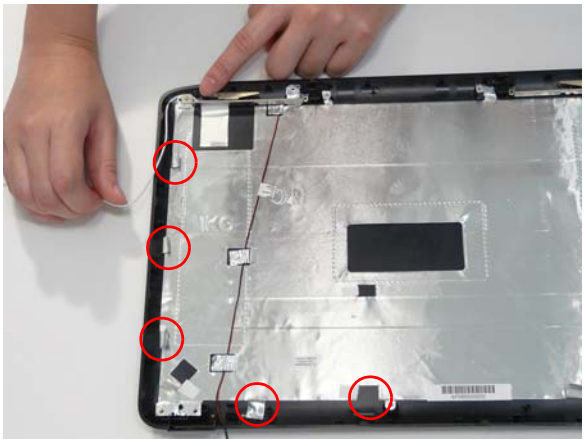




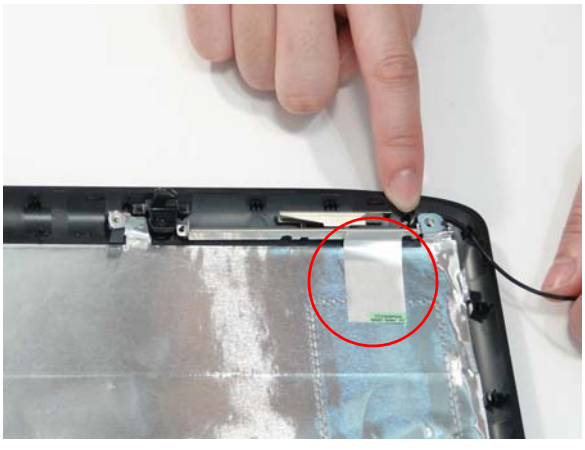
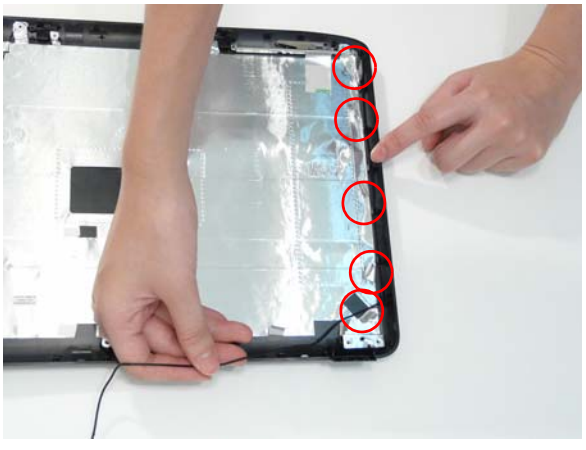
LCD Module Reassembly Procedure

Replacing the LCD Panel

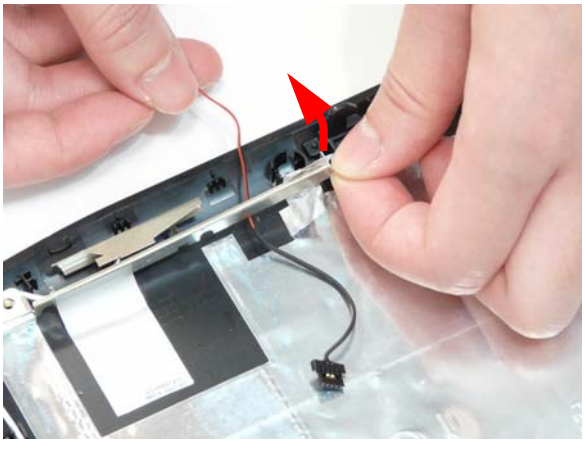
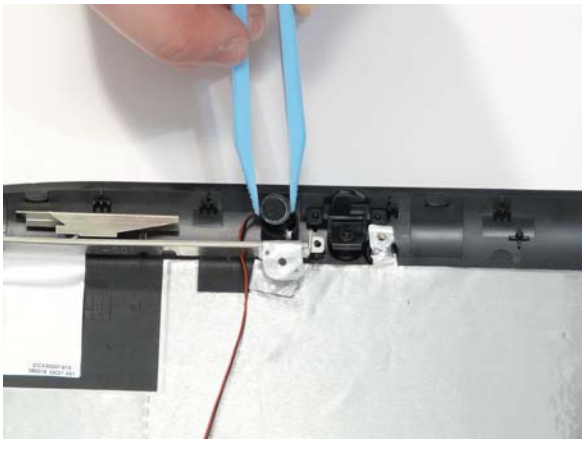
1. Replace the left antenna and cable as shown. Ensure that the cable is inserted under each tab strip.

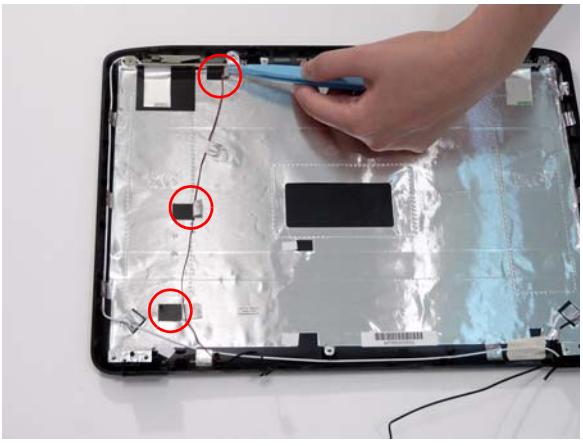
2. Replace the right antenna and cable as shown. Ensure that the cable is inserted under each tab strip.

3. Replace the MIC cable under antenna and replace the MIC as shown.

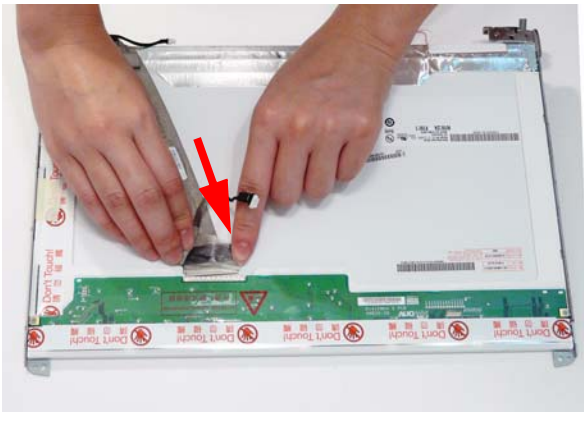



4. Replace the securing strips holding the Mic cable in place.

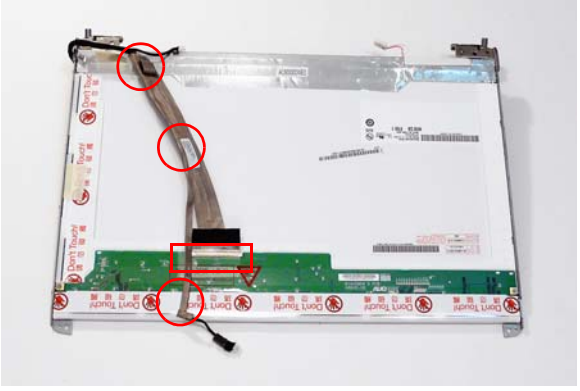


5. Align the LCD brackets as shown. Starting with the top most screws (marked with △) replace the eight screws (four on each side) in the brackets as shown.

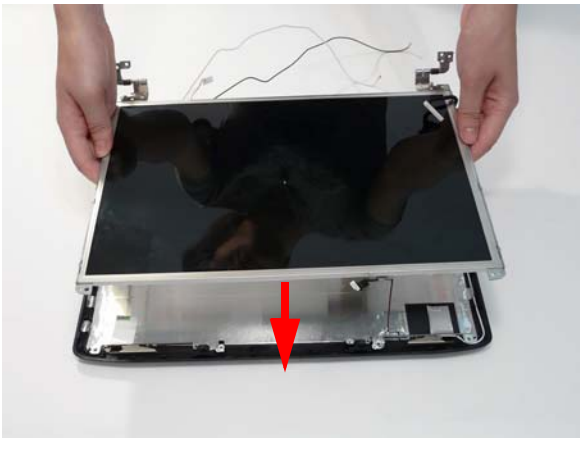
6. Turn the panel over. Insert the LCD Panel cable into the LCD Panel as shown.



7. Align the LCD Panel cable as shown and press down to engage the adhesive pads.

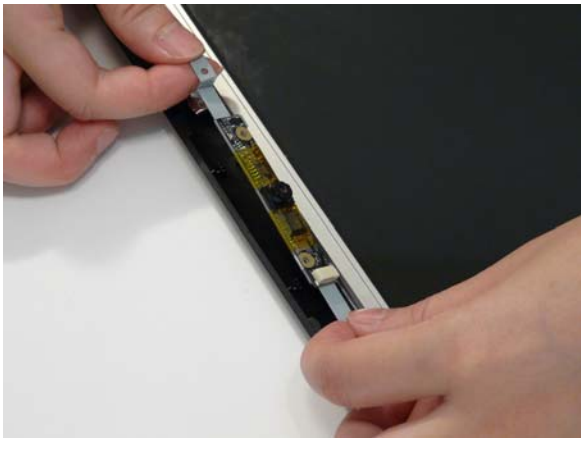


8. Place the LCD Panel in the back cover.

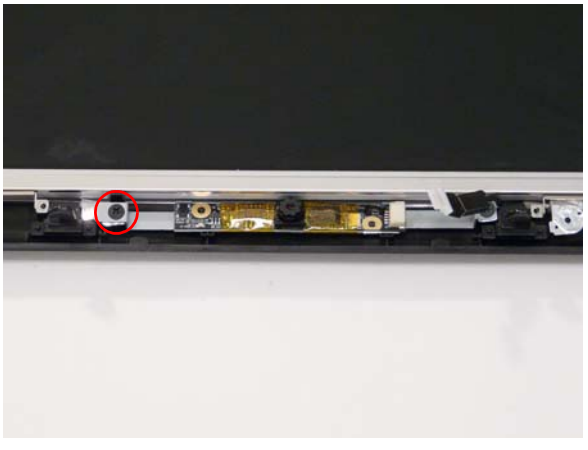


9. Secure the LCD module with the two securing screws.

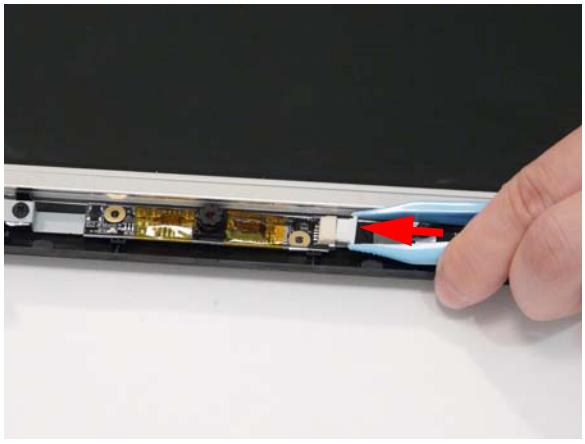
10. Insert the Camera Module right side first to engage the securing clip.



11. Replace the single securing screw.

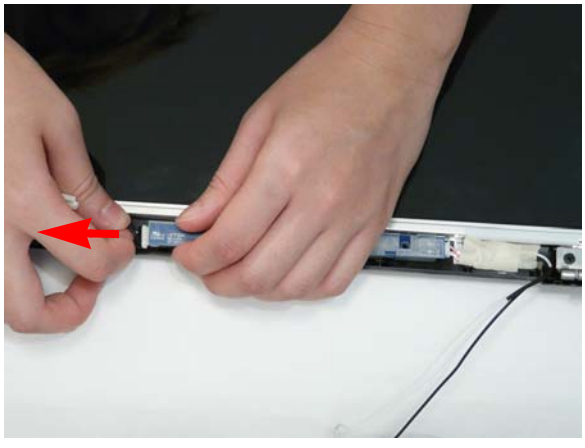


12. Connect the Camera Module cable.

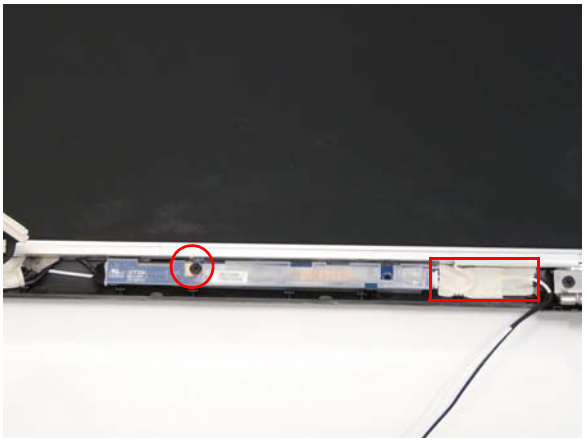


13. Connect the right side inverter cable.

14. Connect the left side inverter cable and place the inverter in the LCD module.



15. Replace the single securing screw and adhesive tape.



Replacing the LCD Bezel

1. Locate the bezel correctly and press down the edges until there are no gaps between the bezel and the LCD Module.

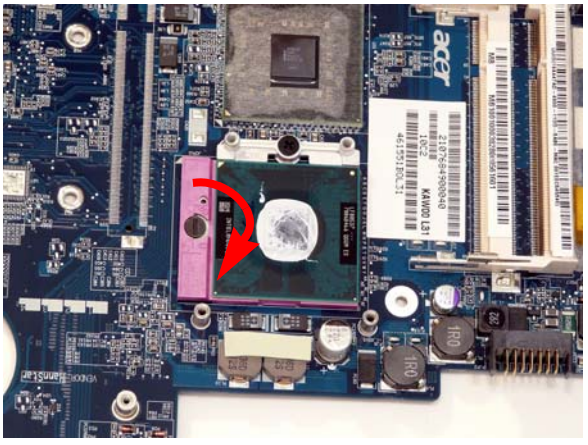
2. Replace the four screws and the rubber screw caps provided.

Main Module Reassembly Procedure

Replacing the CPU

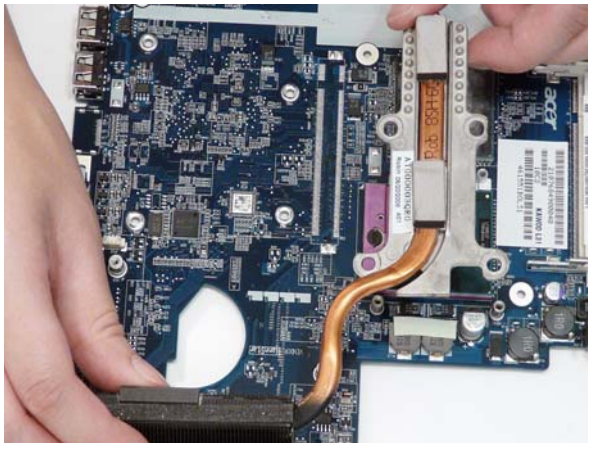
1. Carefully turn the mainboard upside down (CPU side up), and insert the CPU into the CPU bracket as shown.

2. Using a plastic screw driver, lock the CPU in the socket as shown.

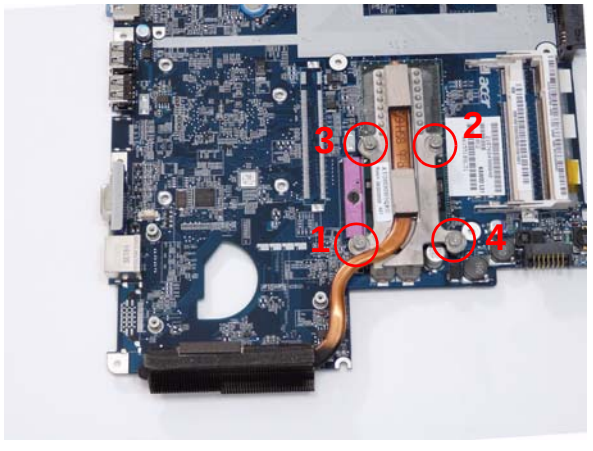


Replacing the Thermal Module

1. Align and place the Thermal Module in the mounting as shown.



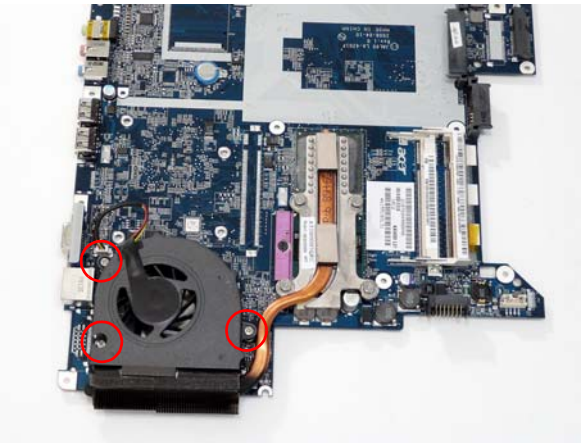
2. Replace the four screws (in numerical order from screw 1 to screw 4) to secure the Thermal Module.



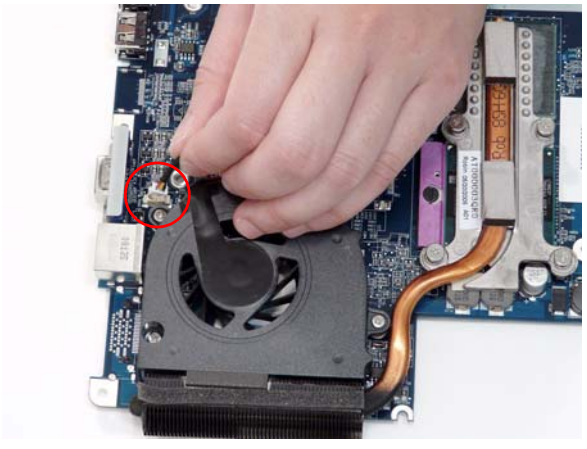
Replacing the CPU Fan Module

1. Align the Fan Module on the screw brackets.

2. Replace the three securing screws.

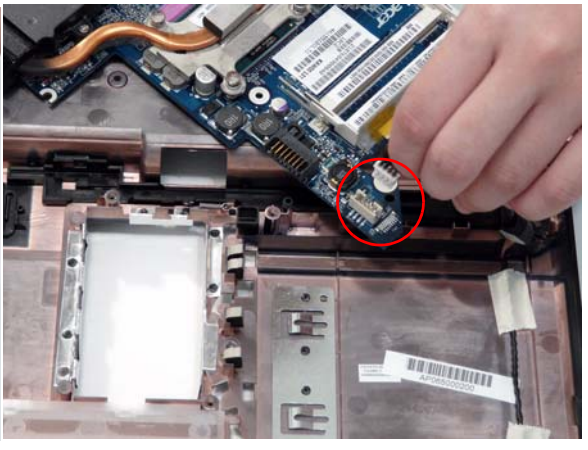


3. Connect the Fan cable to the Mainboard.



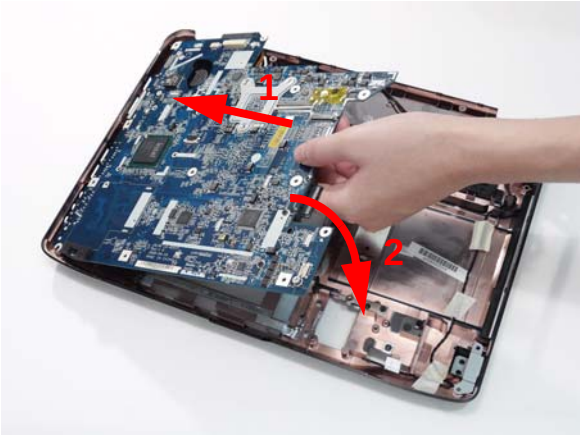
Replacing the Mainboard

1. Turn the Mainboard over. Connect the DC IN Cable to the Mainboard.



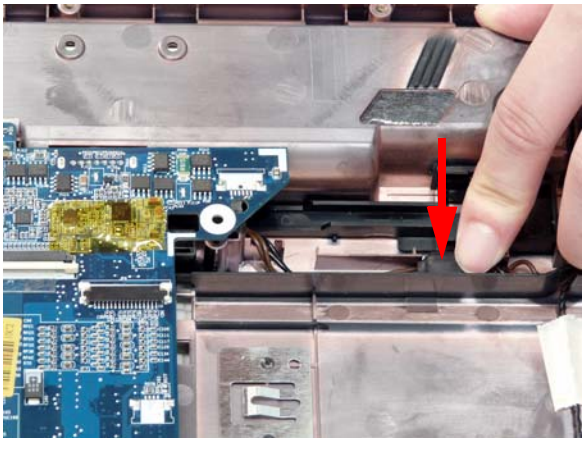
2. Ensure that the Mainboard is face up (the Heatsink and CPU are not visible). Place the Mainboard in the chassis, left side first (1), and press down to install (2).

   NOTE: Make sure the I/O ports are positioned correctly through the lower cover, and the screw sockets are visible through the mainboard.



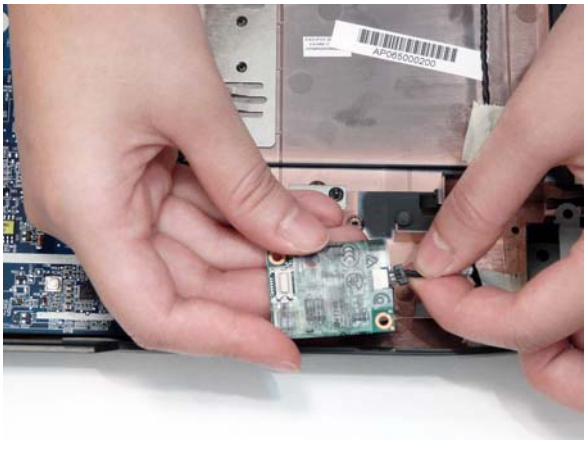
3. Replace the single securing screw.

4. Press down on the DC IN cable to secure the adhesive in place.

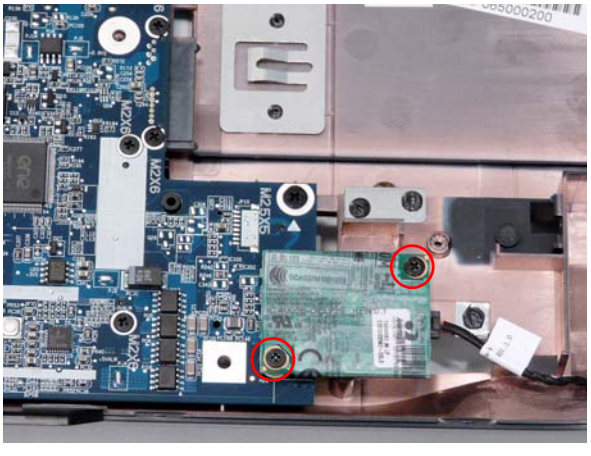


Replacing the Modem Module

1. Connect the Modem cable to the Modem Module as shown.

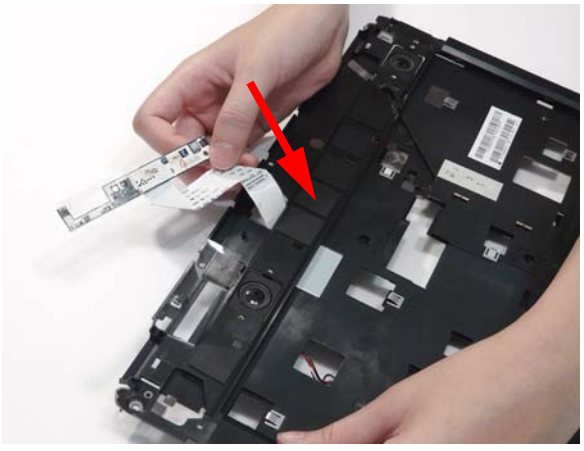


2. Replace the Modem Module and secure the two screws as shown.

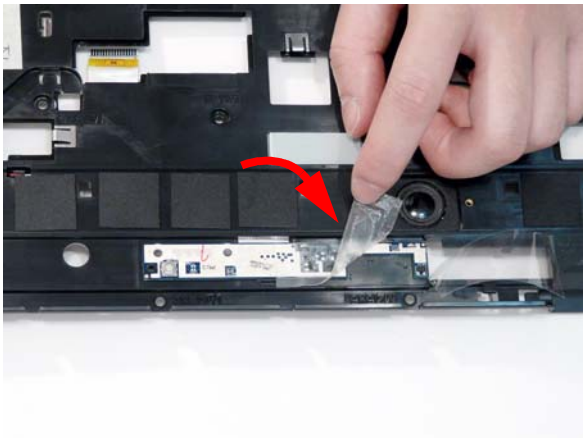


Replacing the Power Board

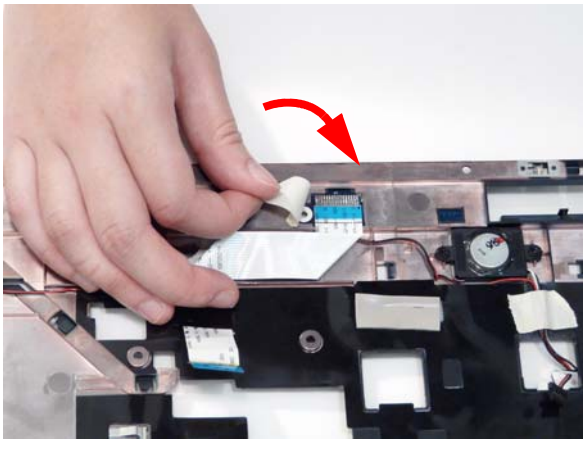
1. Feed the Power Board FFC thought the upper base as shown.



2. Place the Power Board on the upper base and replace the adhesive strip.

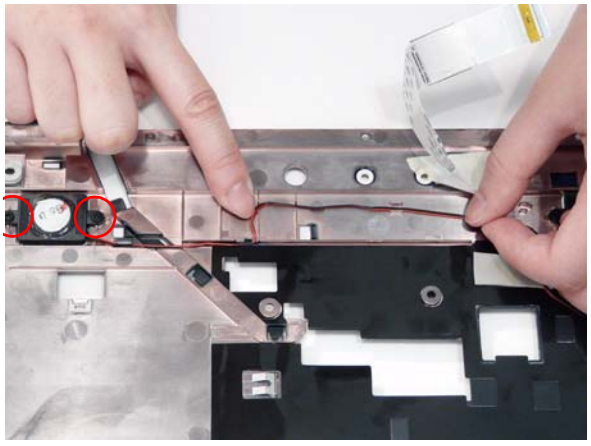


3. Turn the upper base over and replace the adhesive strip securing the Power Board FFC in place.

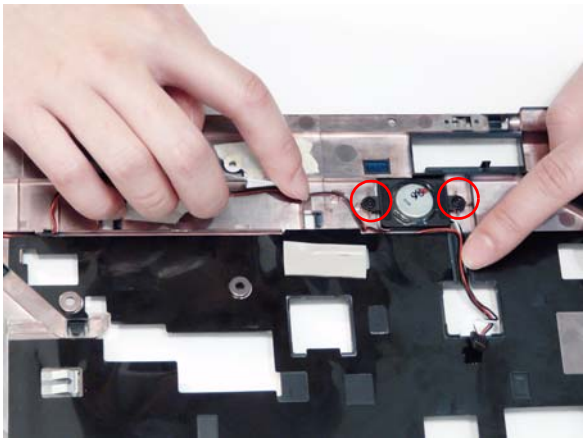


Replacing the Speaker Module

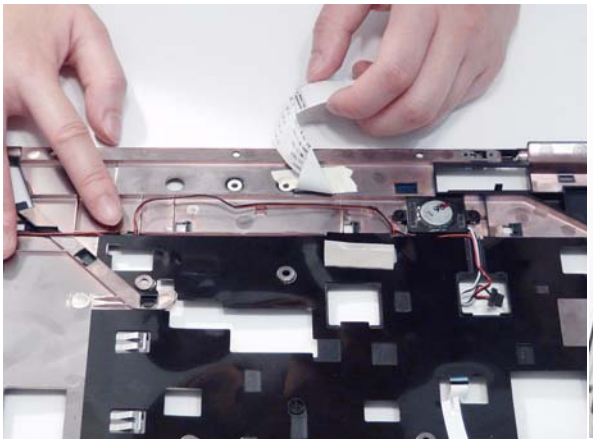
1. Replace the left side speaker in the upper base and secure it using the two screws provided. Install the speaker cable, taking care to follow the path as shown.

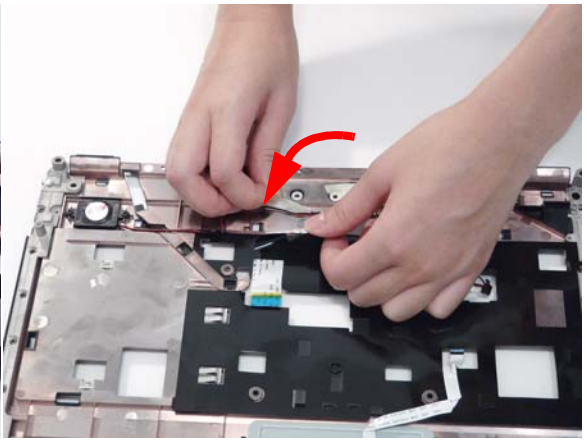


2. Replace the right side speaker in the upper base and secure it using the two screws provided. Install the speaker cable, taking care to follow the path as shown

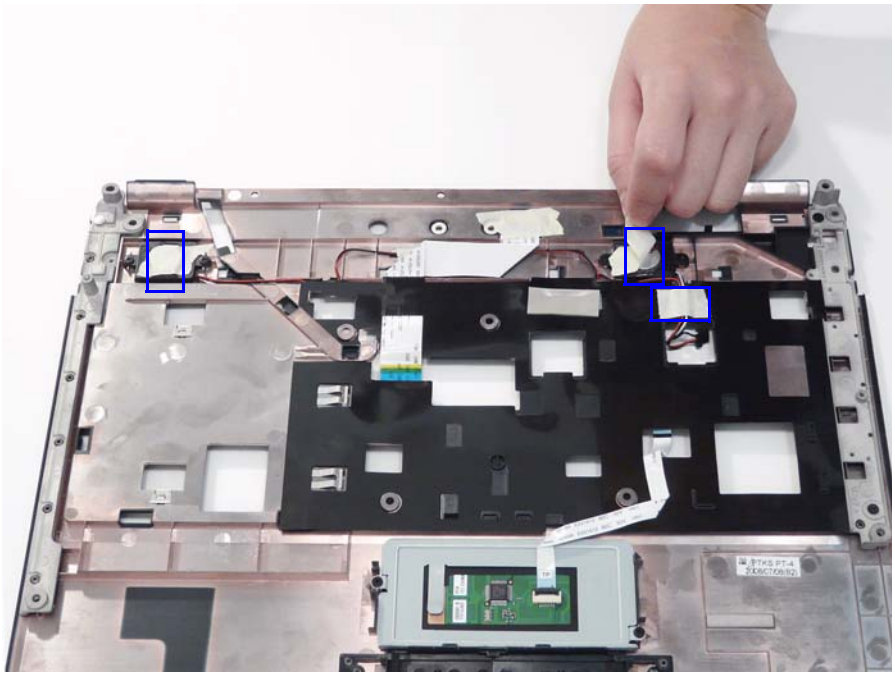


3. Replace the Power Board FFC over the speaker cable as shown.





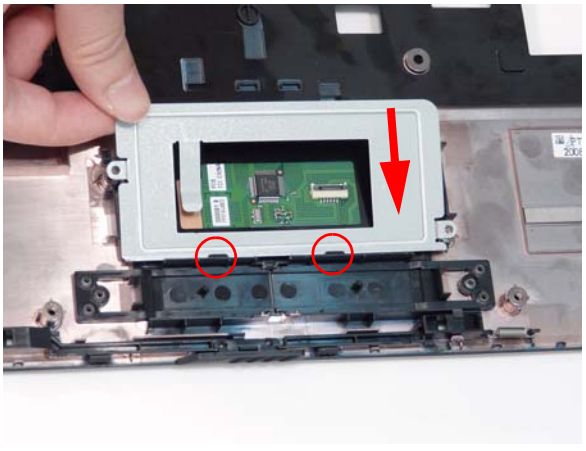
4. Replace the adhesive tape to secure the speaker cable in place.



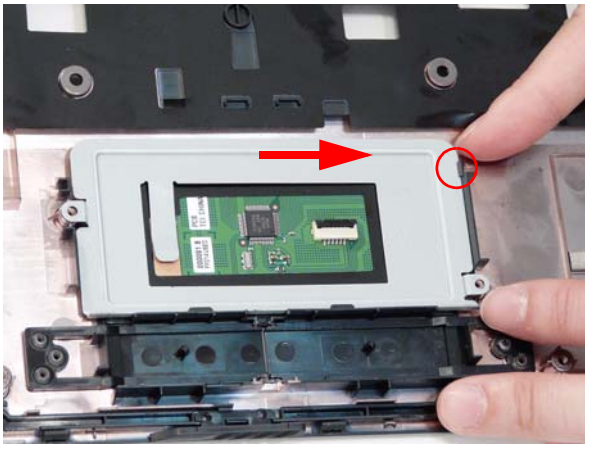
Replacing the TouchPad Bracket

IMPORTANT: The TouchPad cannot be removed individually. To replace the TouchPad, replace the entire Upper Cover.

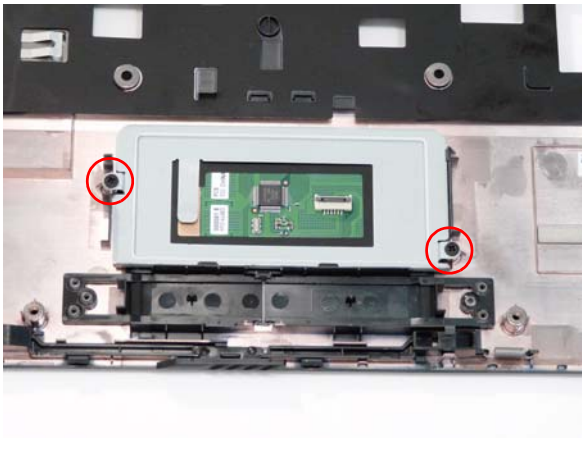
1. Replace the TouchPad bracket bottom edge first to engage the securing clips.



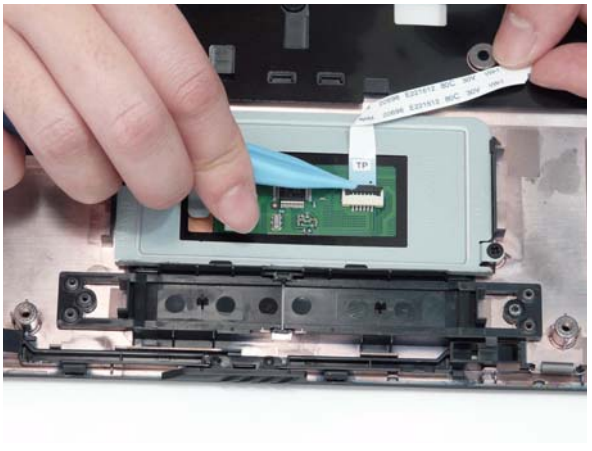
2. Slide the TouchPad bracket in the direction of the arrow to engage the securing clip.



3. Replace the two securing screws from the TouchPad bracket.



4. Replace the TouchPad FFC and press down to secure with the adhesive strips.

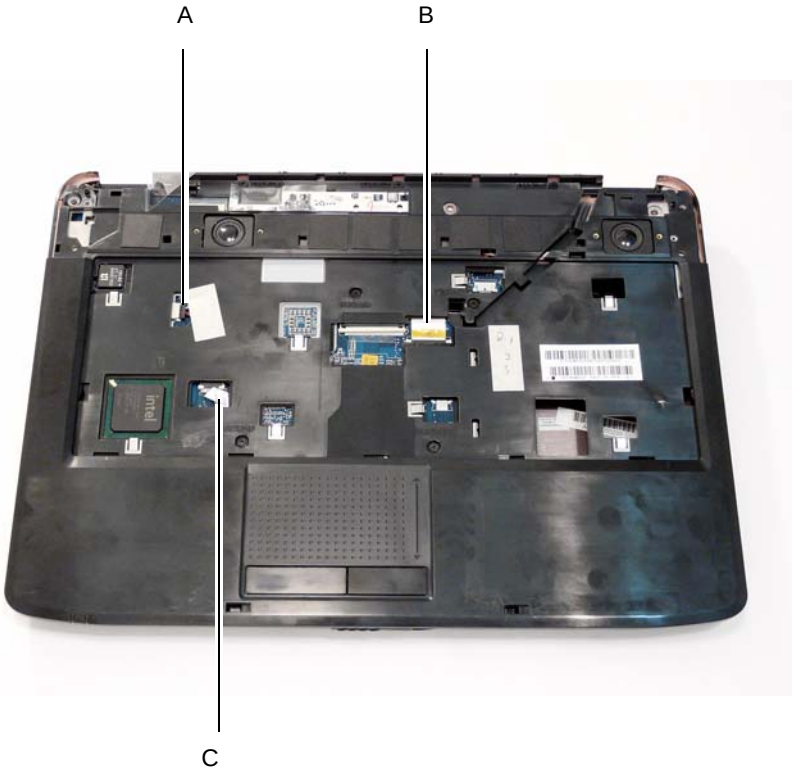


Replacing the Upper Case

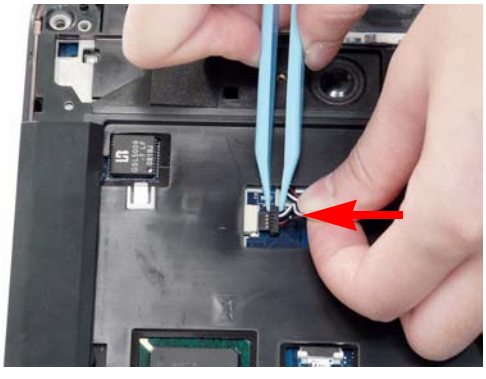
1. Place the upper case on the lower case front edge first.

2. Lower the case into position, as shown, and press down around the edges to secure it in place.

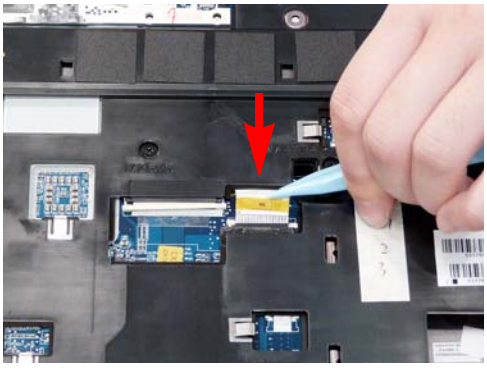
3. Reconnect the three cables as shown.



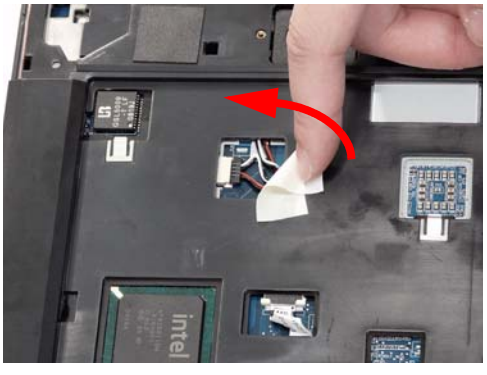
Reconnect A as shown.



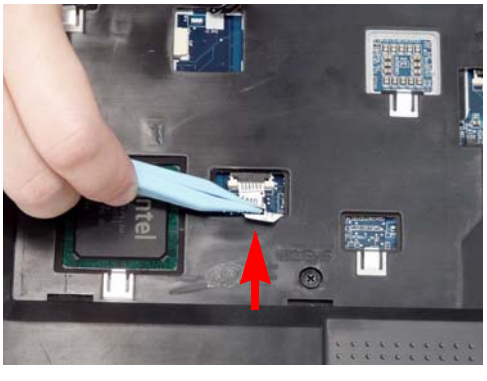
Reconnect B as shown and secure the cable latch.



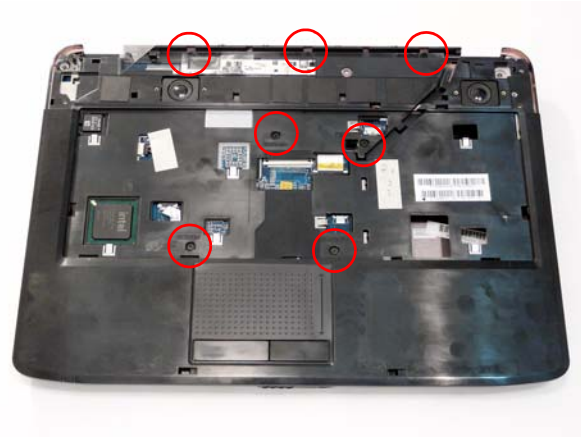
Replace the adhesive tape to on cable A.



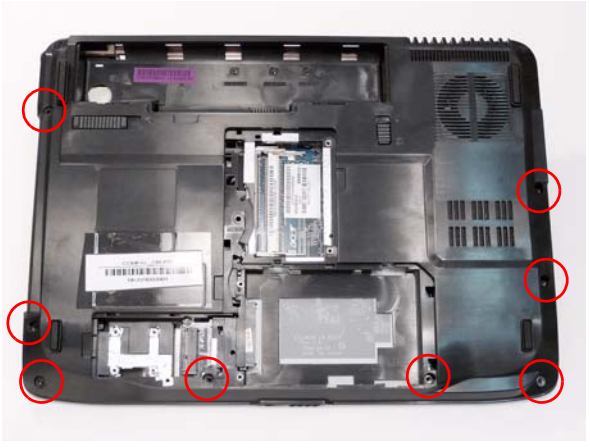
Reconnect C as shown and secure the cable latch.



4. Replace the seven screws as shown.



5. Turn the computer over and replace the eight screws as shown.

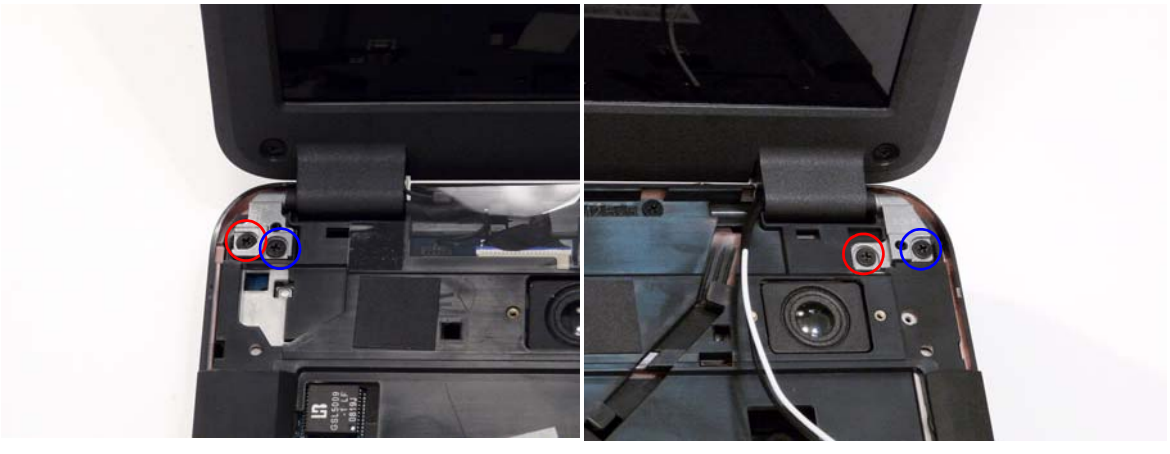


Replacing the LCD Module

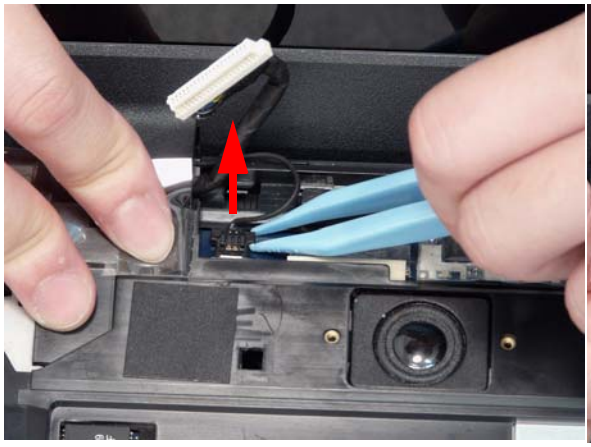
1. Align the LCD hinges with the lower case and replace the LCD module.

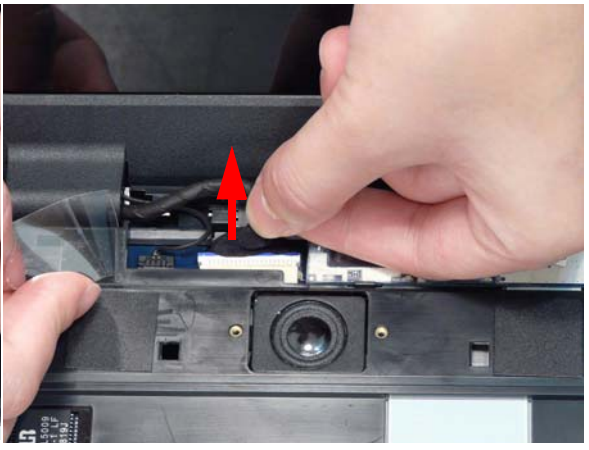
2. Replace the four securing screws (two each side), starting with the left side hinge.

NOTE: Two different screw sizes are used to secure the LCD module in place. The red callouts require M2.5*8 screws and the blue callouts require M2.5*5 screws.

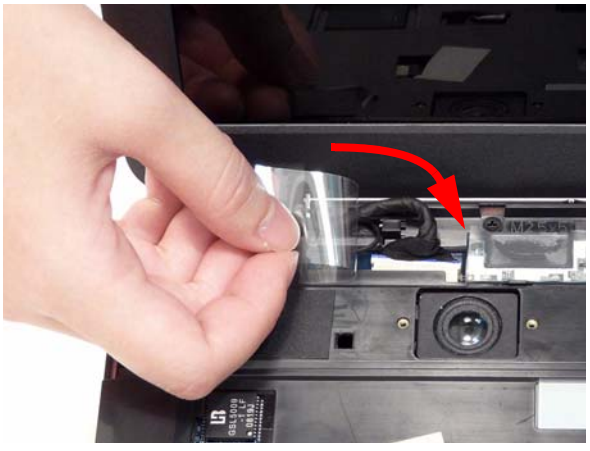


3. Reconnect the two LCD module interface cables as shown.





4. Replace the protective film over the cables.

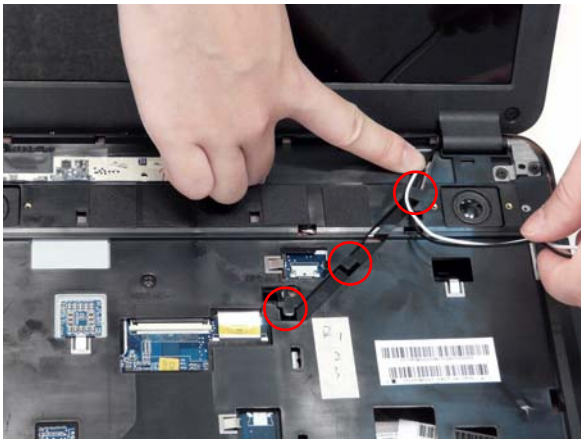


5. Turn the computer over and replace the two screws to secure the LCD module in place.

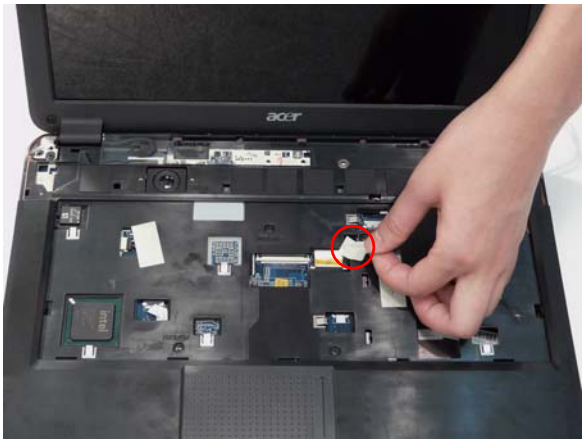
Replacing the Antenna Cable

IMPORTANT: The antenna cable must run along the supplied cable channels and use all the available cable clips to avoid damage to components during reassembly.

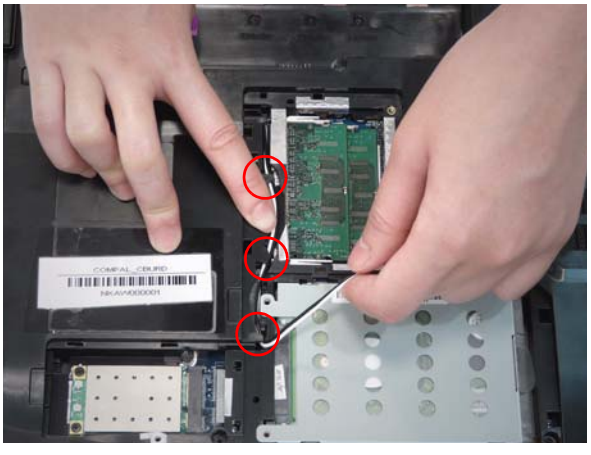
1. Run the antenna cable along the cable channel using all the cable clips as shown.



2. Feed the cable through the chassis and pull it through from the under side of the computer. Secure the cable in place using the adhesive tape.

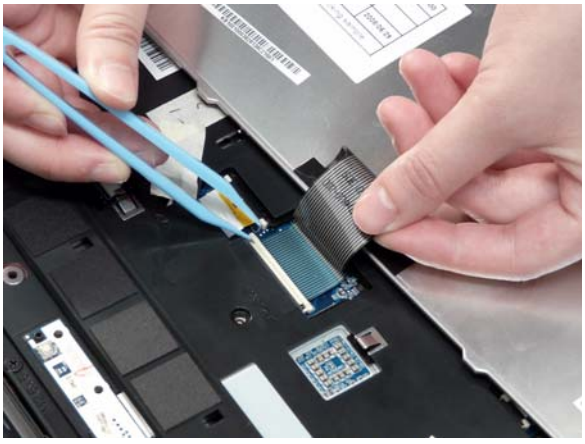


3. Turn the computer over and run the cable along the cable channel as shown.



Replacing the Keyboard

1. Reconnect keyboard FFC to the mainboard, and secure the locking latch.

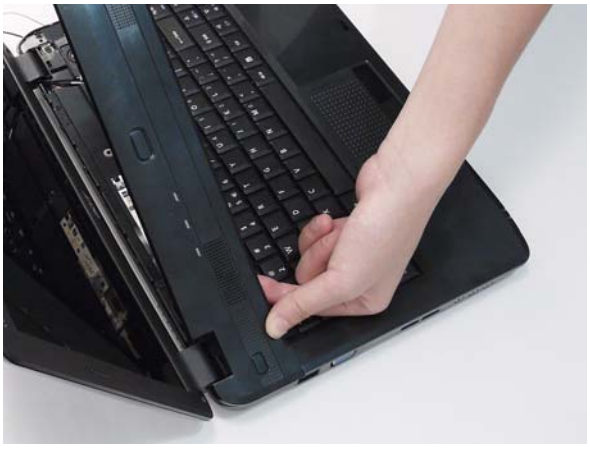


2. Turn the keyboard over and place the front edge first in the mounting.

3. Rotate the keyboard downward and press gently in to place.

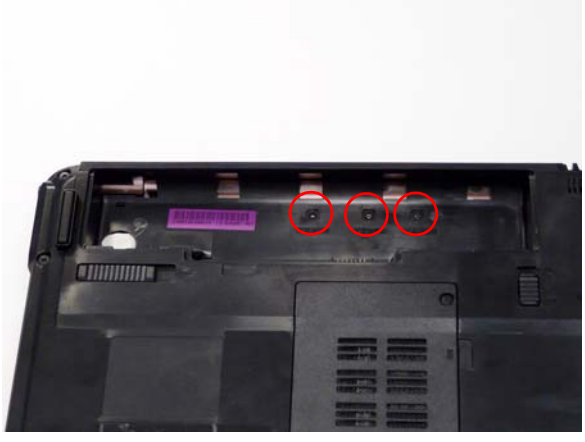
Replacing the Switch Cover

1. Place the Switch Cover left side first on to the upper case as shown.



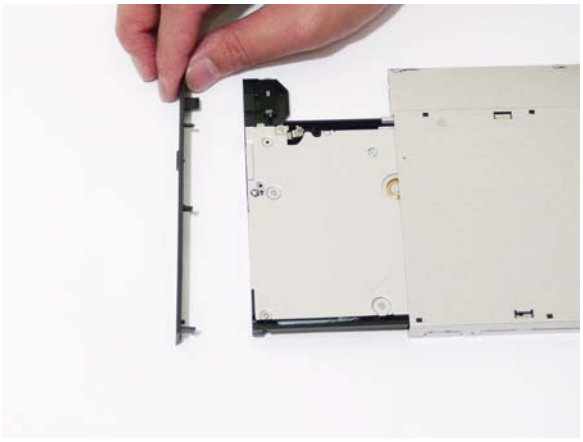
2. Press down along the length of the cover to secure it in place.

3. Turn the computer over and replace the two securing screws.

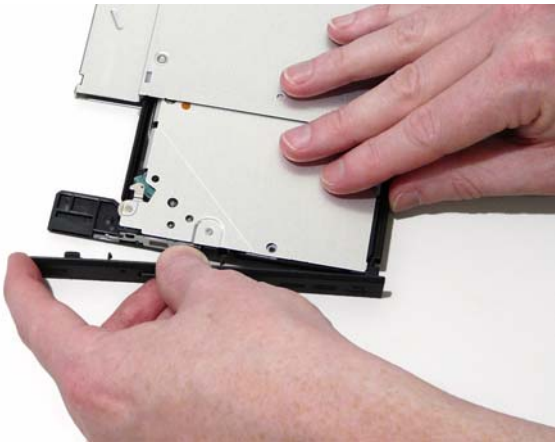


Replacing the ODD Module

1. With the ODD tray in the eject position, replace the ODD cover on the new ODD Module.

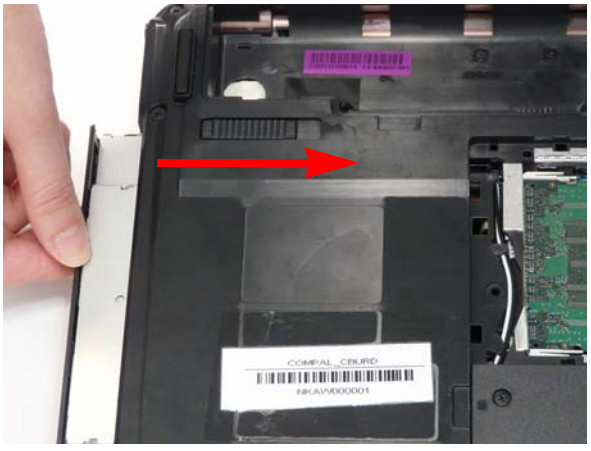


2. Press the cover into the tray, bottom edge first, to secure.



3. Turn ODD Module around and secure bracket with three screws.

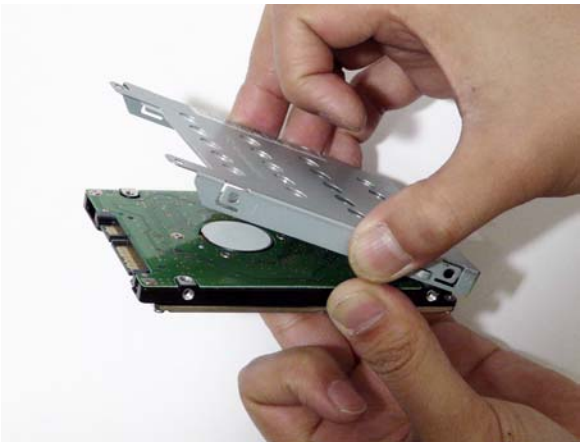
4. Slide the module in the chassis and press until the module is flush with the chassis.



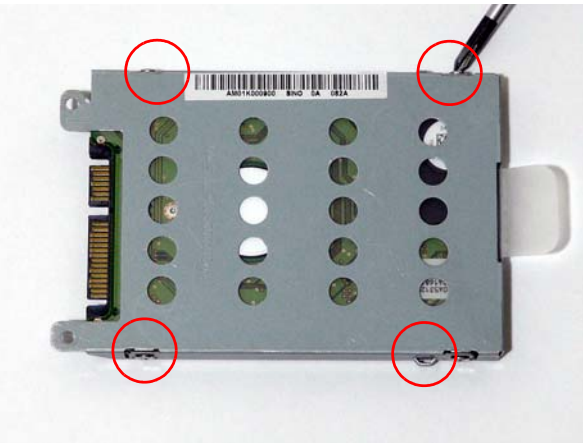
5. Replace the single screw to secure the Module.

Replacing the Hard Disk Drive Module

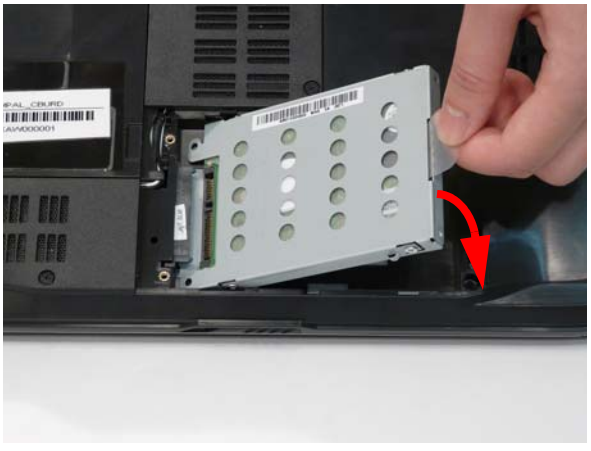
1. Place the HDD in the HDD carrier.



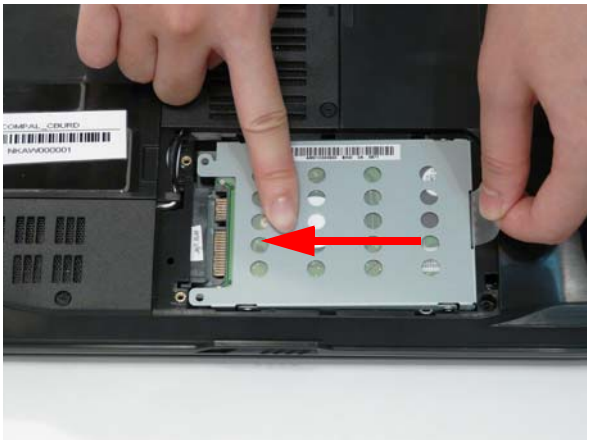
2. Replace the four screws to secure the carrier.



3. Insert the HDD, interface side first, and lower it into place.



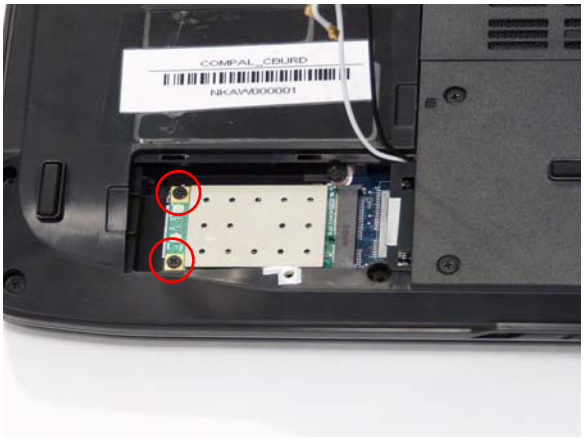
4. Slide the HDD to the left to secure in place.



Replacing the WLAN Module

1. Insert the WLAN board into the WLAN socket.

2. Replace the two screws to secure the module.



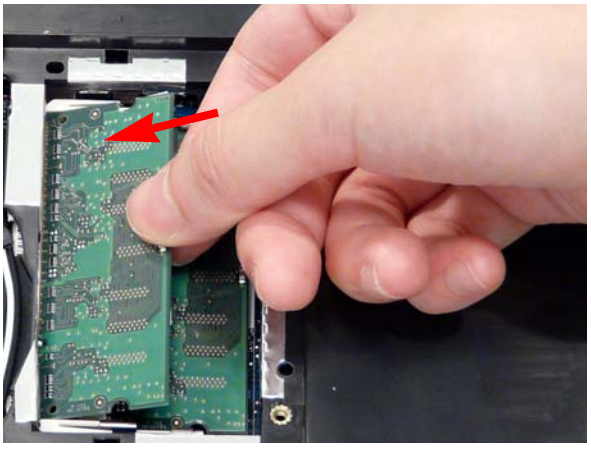
3. Connect the two antenna cables to the module.

NOTE: The white antenna cable connects to the upper terminal and the black antenna cable to the lower terminal.

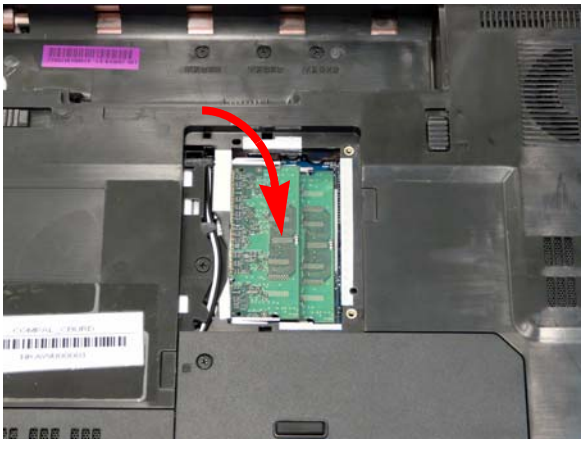
Replacing the DIMM Modules

NOTE: To replace DIMM Module 2, first remove DIMM Module 1. In this procedure, only DIMM Module 1 is shown.

1. Insert the DIMM Module in place.

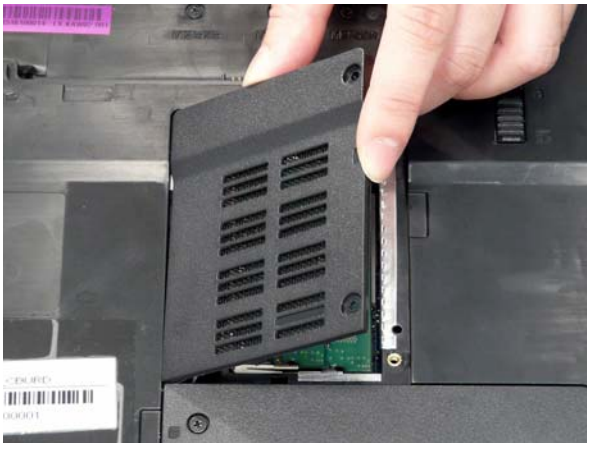


2. Press down to lock the DIMM module in place.



Replacing the Lower Covers

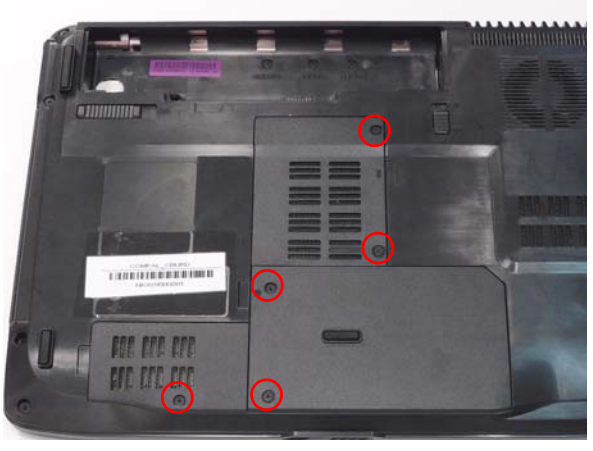
1. Replace the Memory Cover.



2. Replace the WLAN Cover.

3. Replace HDD Cover.

4. Replace the three screws in the memory and WLAN bays and secure the two captive screws in the HDD cover.



Replacing the Battery

1. Slide and hold the battery release latch to the release position (1), insert the battery pack and press down (2).

2. Slide the battery lock/unlock latch to the lock position.

Troubleshooting

Common Problems

Use the following procedure as a guide for computer problems.

NOTE: The diagnostic tests are intended to test only Acer products. Non-Acer products, prototype cards, or modified options can give false errors and invalid system responses.

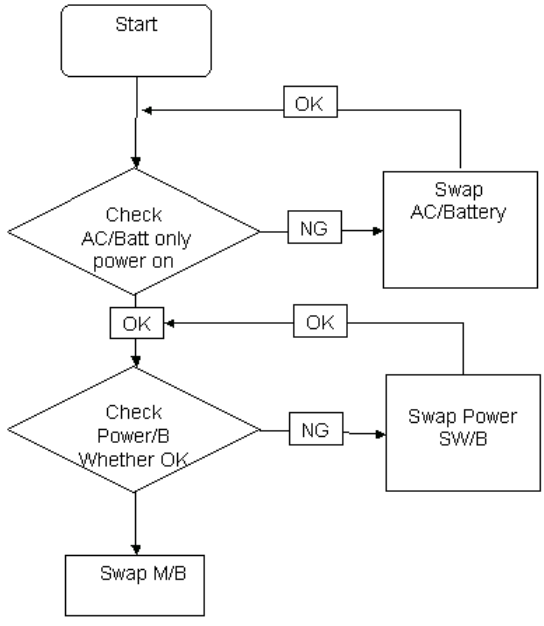
1. Obtain the failing symptoms in as much detail as possible.
2. Verify the symptoms by attempting to re-create the failure by running the diagnostic test or by repeating the same operation.
3. Use the following table with the verified symptom to determine which page to go to.

Symptoms (Verified)	Go To
Power On Issue	Page 108
No Display Issue	Page 109
LCD Failure	Page 111
Internal Keyboard Failure	Page 111
TouchPad Failure	Page 112
Internal Speaker Failure	Page 112
Internal Microphone Failure	Page 114
ODD Failure	Page 116
Modem Failure	Page 119
WLAN Failure	Page 119
Thermal Unit Failure	Page 120
Other Functions Failure	Page 121
Intermittent Failures	Page 122
Undermined Failures	Page 122

4. If the Issue is still not resolved, see “Online Support Information” on page 161.

Power On Issue

If the system doesn't power on, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



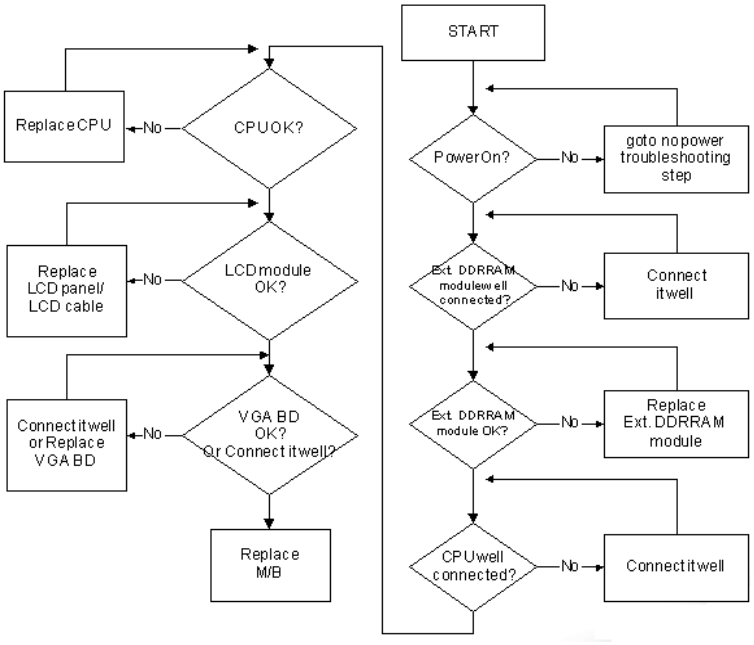
Computer Shutsdown Intermittently

If the system powers off at intervals, perform the following actions one at a time to correct the problem.

1. Check the power cable is properly connected to the computer and the electrical outlet.
2. Remove any extension cables between the computer and the outlet.
3. Remove any surge protectors between the computer and the electrical outlet. Plug the computer directly into a known good electrical outlet.
4. Disconnect the power and open the casing to check the Thermal Unit (see "Thermal Unit Failure" on page 120) and fan airways are free of obstructions.
5. Disable the power management settings in the BIOS to ensure they are not the cause of the problem (see "Power" on page 29).
6. Remove all external and non-essential hardware connected to the computer that are not necessary to boot the computer to the failure point.
7. Remove any recently installed software.
8. If the Issue is still not resolved, see "Online Support Information" on page 161.

No Display Issue

If the **Display** doesn't work, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



No POST or Video

If the POST or video doesn't display, perform the following actions one at a time to correct the problem.

1. Make sure that the internal display is selected. On this notebook model, switching between the internal display and the external display is done by pressing **Fn+F5**. Reference Product pages for specific model procedures.
2. Make sure the computer has power by checking at least one of the following occurs:
   - Fans start up
   - Status LEDs light up

   If there is no power, see "Power On Issue" on page 108.
3. Drain any stored power by removing the power cable and battery and holding down the power button for 10 seconds. Reconnect the power and reboot the computer.
4. Connect an external monitor to the computer and switch between the internal display and the external display is by pressing **Fn+F5** (on this model).

   If the POST or video appears on the external display, see "LCD Failure" on page 111.
5. Disconnect power and all external devices including port replicators or docking stations. Remove any memory cards and CD/DVD discs. Restart the computer.

   If the computer boots correctly, add the devices one by one until the failure point is discovered.
6. Reseat the memory modules.
7. Remove the drives (see "Disassembly Process" on page 42).
8. If the Issue is still not resolved, see "Online Support Information" on page 161.

Abnormal Video Display

If video displays abnormally, perform the following actions one at a time to correct the problem.

1. Reboot the computer.
2. If permanent vertical/horizontal lines or dark spots display in the same location, the LCD is faulty and should be replaced. See “Disassembly Process” on page 42.
3. If extensive pixel damage is present (different colored spots in the same locations on the screen), the LCD is faulty and should be replaced. See “Disassembly Process” on page 42.
4. Adjust the brightness to its highest level. See the User Manual for instructions on adjusting settings.

   NOTE: Ensure that the computer is not running on battery alone as this may reduce display brightness.

   If the display is too dim at the highest brightness setting, the LCD is faulty and should be replaced. See “Disassembly Process” on page 42.
5. Check the display resolution is correctly configured:
   a. Minimize or close all Windows.
   b. If display size is only abnormal in an application, check the view settings and control/mouse wheel zoom feature in the application.
   c. If desktop display resolution is not normal, right-click on the desktop and select **Personalize→ Display Settings**.
   d. Click and drag the Resolution slider to the desired resolution.
   e. Click **Apply** and check the display. Readjust if necessary.
6. Roll back the video driver to the previous version if updated.
7. Remove and reinstall the video driver.
8. Check the Device Manager to determine that:
   - The device is properly installed. There are no red Xs or yellow exclamation marks.
   - There are no device conflicts.
   - No hardware is listed under Other Devices.
9. If the Issue is still not resolved, see “Online Support Information” on page 161.
10. Run the Windows Memory Diagnostic from the operating system DVD and follow the onscreen prompts.
11. If the Issue is still not resolved, see “Online Support Information” on page 161.

Random Loss of BIOS Settings

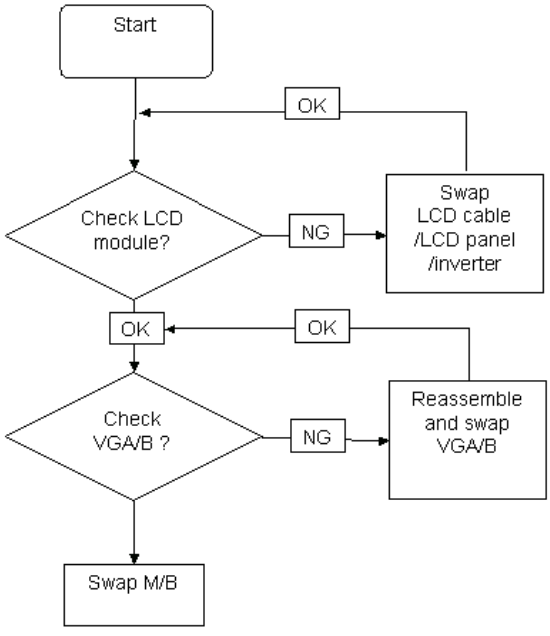
If the computer is experiencing intermittent loss of BIOS information, perform the following actions one at a time to correct the problem.

1. If the computer is more than one year old, replace the CMOS battery.
2. Run a complete virus scan using up-to-date software to ensure the computer is virus free.
3. If the computer is experiencing HDD or ODD BIOS information loss, disconnect and reconnect the power and data cables between devices.

   If the BIOS settings are still lost, replace the cables.
4. If HDD information is missing from the BIOS, the drive may be defective and should be replaced.
5. Replace the Motherboard.
6. If the Issue is still not resolved, see “Online Support Information” on page 161.

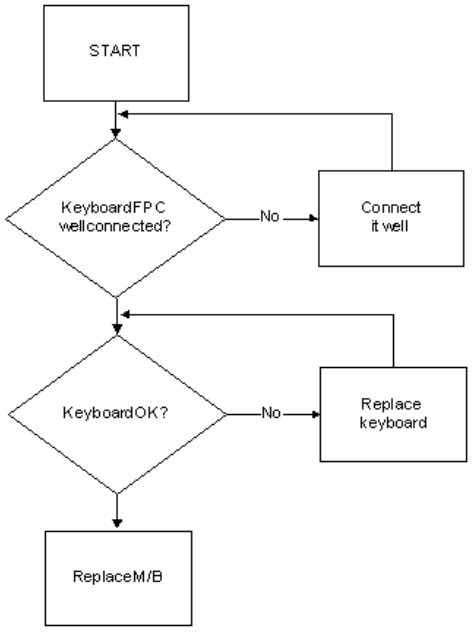
LCD Failure

If the **LCD** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



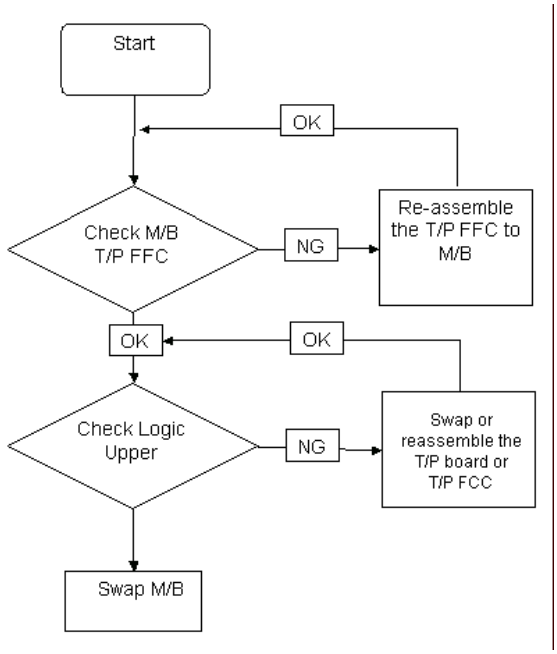
Built-In Keyboard Failure

If the built-in **Keyboard** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



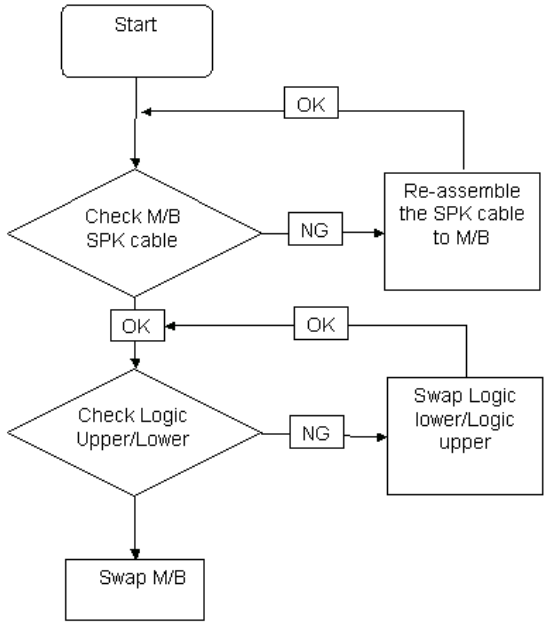
TouchPad Failure

If the **TouchPad** doesn't work, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Internal Speaker Failure

If the internal **Speakers** fail, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



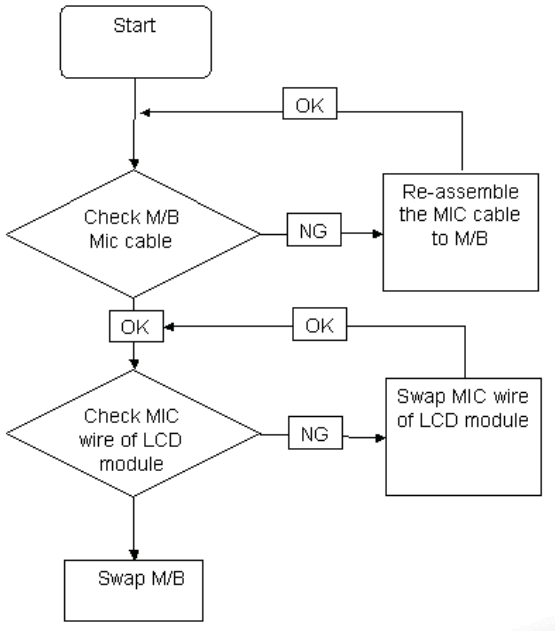
Sound Problems

If sound problems are experienced, perform the following actions one at a time to correct the problem.

1. Reboot the computer.
2. Navigate to **Start→ Control Panel→ System and Maintenance→ System→ Device Manager**. Check the Device Manager to determine that:
   - The device is properly installed.
   - There are no red Xs or yellow exclamation marks.
   - There are no device conflicts.
   - No hardware is listed under Other Devices.
3. Roll back the audio driver to the previous version, if updated recently.
4. Remove and reinstall the audio driver.
5. Ensure that all volume controls are set mid range:
   a. Click the volume icon on the taskbar and drag the slider to 50. Ensure that the volume is not muted.
   b. Click Mixer to verify that other audio applications are set to 50 and not muted.
6. Navigate to **Start→ Control Panel→ Hardware and Sound→ Sound**. Ensure that Speakers are selected as the default audio device (green check mark).
   NOTE: If Speakers does not show, right-click on the **Playback** tab and select **Show Disabled Devices** (clear by default).
7. Select Speakers and click **Configure** to start **Speaker Setup**. Follow the onscreen prompts to configure the speakers.
8. Remove and recently installed hardware or software.
9. Restore system and file settings from a known good date using **System Restore**.
   If the issue is not fixed, repeat the preceding steps and select an earlier time and date.
10. Reinstall the Operating System.
11. If the Issue is still not resolved, see “Online Support Information” on page 161.

Internal Microphone Failure

If the internal **Microphone** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Microphone Problems

If internal or external **Microphones** do no operate correctly, perform the following actions one at a time to correct the problem.

1. Check that the microphone is enabled. Navigate to **Start→ Control Panel→ Hardware and Sound→ Sound** and select the **Recording** tab.
2. Right-click on the **Recording** tab and select **Show Disabled Devices** (clear by default).
3. The microphone appears on the **Recording** tab.
4. Right-click on the microphone and select **Enable**.
5. Select the microphone then click **Properties**. Select the **Levels** tab.
6. Increase the volume to the maximum setting and click **OK**.
7. Test the microphone hardware:
   a. Select the microphone and click **Configure**.
   b. Select **Set up microphone**.
   c. Select the microphone type from the list and click **Next**.
   d. Follow the onscreen prompts to complete the test.
8. If the Issue is still not resolved, see “Online Support Information” on page 161.

HDD Not Operating Correctly

If the **HDD** does not operate correctly, perform the following actions one at a time to correct the problem.

1. Disconnect all external devices.
2. Run a complete virus scan using up-to-date software to ensure the computer is virus free.
3. Run the Windows Vista Startup Repair Utility:
   a. insert the Windows Vista Operating System DVD in the ODD and restart the computer.
   b. When prompted, press any key to start to the operating system DVD.
   c. The **Install Windows** screen displays. Click **Next**.
   d. Select **Repair your computer**.
   e. The **System Recovery Options** screen displays. Click **Next**.
   f. Select the appropriate operating system, and click **Next**.

   NOTE: Click **Load Drivers** if controller drives are required.

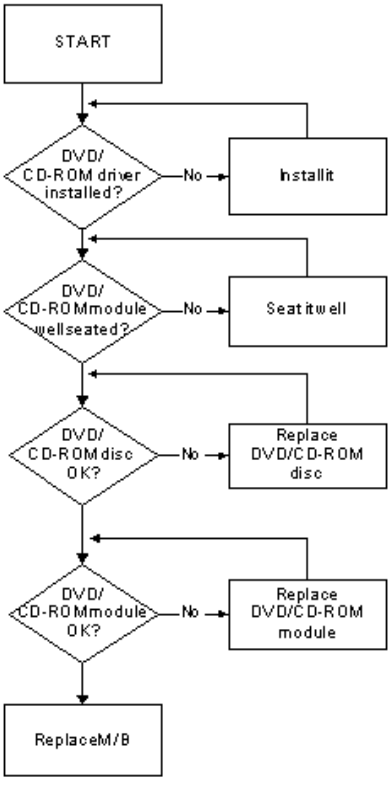
   g. Select **Startup Repair**.
   h. Startup Repair attempts to locate and resolve issues with the computer.
   i. When complete, click **Finish**.

   If an issue is discovered, follow the onscreen information to resolve the problem.
4. Run the Windows Memory Diagnostic Tool. For more information see Windows Help and Support.
5. Restart the computer and press F2 to enter the BIOS Utility. Check the BIOS settings are correct and that CD/DVD drive is set as the first boot device on the Boot menu.
6. Ensure all cables and jumpers on the HDD and ODD are set correctly.
7. Remove any recently added hardware and associated software.
8. Run the Windows Disk Defragmenter. For more information see Windows Help and Support.
9. Run Windows Check Disk by entering **chkdsk /r** from a command prompt. For more information see Windows Help and Support.
10. Restore system and file settings from a known good date using **System Restore**.

    If the issue is not fixed, repeat the preceding steps and select an earlier time and date.
11. Replace the HDD. See “Disassembly Process” on page 42.

ODD Failure

If the **ODD** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



ODD Not Operating Correctly

If the **ODD** exhibits any of the following symptoms it may be faulty:

- Audio CDs do not play when loaded
- DVDs do not play when loaded
- Blank discs do not burn correctly
- DVD or CD play breaks up or jumps
- Optical drive not found or not active:
  - Not shown in My Computer or the BIOS setup
  - LED does not flash when the computer starts up
  - The tray does not eject
- Access failure screen displays
- The ODD is noisy

Perform the following general solutions one at a time to correct the problem.

1. Reboot the computer and retry the operation.
2. Try an alternate disc.
3. Navigate to **Start**→ **Computer**. Check that the ODD device is displayed in the **Devices with Removable Storage** panel.
4. Navigate to **Start**→ **Control Panel**→ **System and Maintenance**→ **System**→ **Device Manager**.

a. Double-click **IDE ATA/ATAPI controllers**. If a device displays a down arrow, right-click on the device and click **Enable**.

b. Double-click **DVD/CD-ROM drives**. If the device displays a down arrow, right-click on the device and click **Enable**.

c. Check that there are no yellow exclamation marks against the items in **IDE ATA/ATAPI controllers**. If a device has an exclamation mark, right-click on the device and uninstall and reinstall the driver.

d. Check that there are no yellow exclamation marks against the items in **DVD/CD-ROM drives**. If a device has an exclamation mark, right-click on the device and uninstall and reinstall the driver.

e. If the exclamation marker is not removed from the item in the lists, try removing any recently installed software and retrying the operation.

Discs Do Not Play

If discs do not play when inserted in the drive, perform the following actions one at a time to correct the problem.

1. Check that the disc is correctly seated in the drive tray and that the label on the disc is visible.
2. Check that the media is clean and scratch free.
3. Try an alternate disc in the drive.
4. Ensure that **AutoPlay** is enabled:
   a. Navigate to **Start→ Control Panel→ Hardware and Sound→ AutoPlay**.
   b. Select **Use AutoPlay for all media and devices**.
   c. In the Audio CD and DVD Movie fields, select the desired player from the drop down menu.
5. Check that the Regional Code is correct for the selected media:

IMPORTANT: Region can only be changed a limited number of times. After Changes remaining reaches zero, the region cannot be changed even Windows is reinstalled or the drive is moved to another computer.

   a. Navigate to **Start→ Control Panel→ System and Maintenance→ System→ Device Manager**.
   b. Double-click **DVD/CD-ROM drives**.
   c. Right-click **DVD drive** and click **Properties**, then click the **DVD Region** tab.
   d. Select the region suitable for the media inserted in the drive.

Discs Do Not Burn Properly

If discs can not be burned, perform the following actions one at a time to correct the problem.

1. Ensure that the default drive is record enabled:
   a. Navigate to **Start→ Computer** and right-click the writable ODD icon. Click **Properties**.
   b. Select the **Recording** tab. In the **Desktop disc recording** panel, select the writable ODD from the drop down list.
   c. Click **OK**.
2. Ensure that the software used for burning discs is the factory default. If using different software, refer to the software's user manual.

Playback is Choppy

If playback is choppy or jumps, perform the following actions one at a time to correct the problem.

1. Check that system resources are not running low:
   a. Try closing some applications.
   b. Reboot and try the operation again.
2. Check that the ODD controller transfer mode is set to DMA:
   a. Navigate to **Start→ Control Panel→ System and Maintenance→ System→ Device Manager**.

b. Double-click **IDE ATA/ATAPI controllers**, then right-click ATA Device 0.

c. Click **Properties** and select the **Advanced Settings** tab. Ensure that the **Enable DMA** box is checked and click **OK**.

d. Repeat for the other ATA Devices shown if applicable.

Drive Not Detected

If Windows cannot detect the drive, perform the following actions one at a time to correct the problem.

1. Restart the computer and press F2 to enter the BIOS Utility.
2. Check that the drive is detected in the **ATAPI Model Name** field on the Information page.
   NOTE: Check that the entry is identical to one of the ODDs specified in “Hardware Specifications and Configurations” on page 16.
3. Turn off the power and remove the cover to inspect the connections to the ODD. See “Disassembly Process” on page 42.
   a. Check for broken connectors on the drive, motherboard, and cables.
   b. Check for bent or broken pins on the drive, motherboard, and cable connections.
   c. Try an alternate cable, if available. If the drive works with the new cable, the original cable should be replaced.
4. Reseat the drive ensuring and all cables are connected correctly.
5. Replace the ODD. See “Disassembly Process” on page 42.

Drive Read Failure

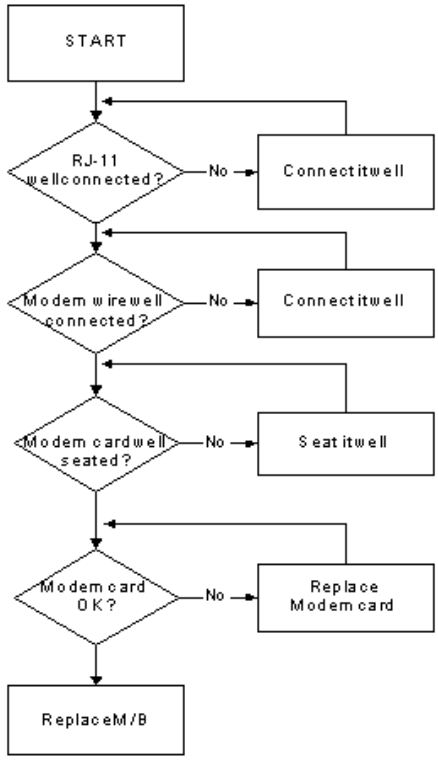
If discs cannot be read when inserted in the drive, perform the following actions one at a time to correct the problem.

1. Remove and clean the failed disc.
2. Retry reading the CD or DVD.
   d. Test the drive using other discs.
   e. Play a DVD movie
   f. Listen to a music CD

   If the ODD works properly with alternate discs, the original disc is probably defective and should be replaced.
3. Turn off the power and remove the cover to inspect the connections to the ODD. See “Disassembly Process” on page 42.
   a. Check for broken connectors on the drive, motherboard, and cables.
   b. Check for bent or broken pins on the drive, motherboard, and cable connections.
   c. Try an alternate cable, if available. If the drive works with the new cable, the original cable should be replaced.
4. Replace the ODD. See “Disassembly Process” on page 42.

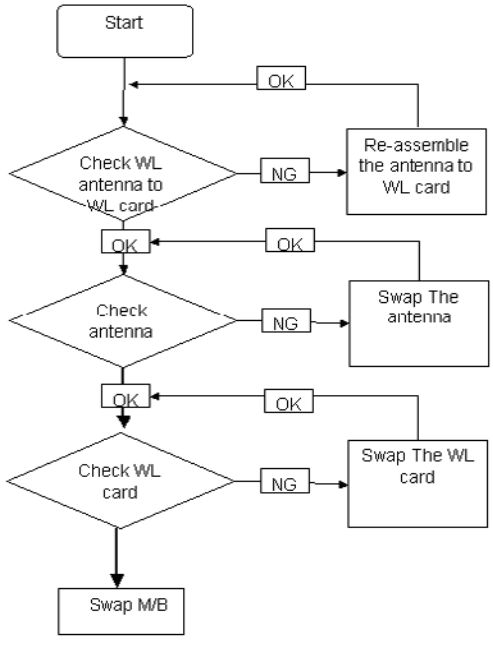
Modem Function Failure

If the internal **Modem** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



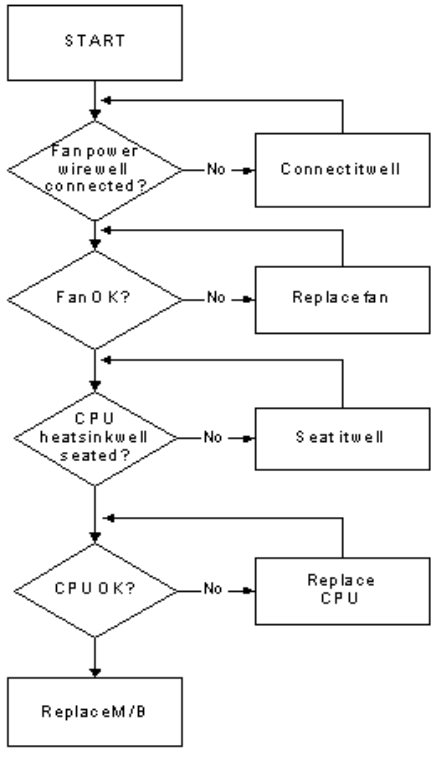
Wireless Function Failure

If the **WLAN** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Thermal Unit Failure

If the **Thermal Unit** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



External Mouse Failure

If an external **Mouse** fails, perform the following actions one at a time to correct the problem.

1. Try an alternative mouse.
2. If the mouse uses a wireless connection, insert new batteries and confirm there is a good connection. See the mouse user manual.
3. If the mouse uses a USB connection, try an alternate USB port.
4. Try an alternative program to verify mouse operation. Reinstall the program experiencing mouse failure.
5. Restart the computer.
6. Remove any recently added hardware and associated software.
7. Remove any recently added software and reboot.
8. Restore system and file settings from a known good date using **System Restore**.

   If the issue is not fixed, repeat the preceding steps and select an earlier time and date.
9. Run the Event Viewer to check the events log for errors. For more information see Windows Help and Support.
10. Roll back the mouse driver to the previous version if updated recently.
11. Remove and reinstall the mouse driver.
12. Check the Device Manager to determine that:
    - The device is properly installed. There are no red Xs or yellow exclamation marks.
    - There are no device conflicts.

- No hardware is listed under Other Devices.

13. If the Issue is still not resolved, see “Online Support Information” on page 161.

Other Failures

If the CRT Switch, Dock, LAN Port, external MIC or Speakers, PCI Express Card, 5-in-1 Card Reader or Volume Wheel fail, perform the following general steps to correct the problem. Do not replace a non-defective FRUs:

1. Check Drive whether is OK.
2. Check Test Fixture is ok.
3. Swap M/B to Try.

Intermittent Problems

Intermittent system hang problems can be caused by a variety of reasons that have nothing to do with a hardware defect, such as: cosmic radiation, electrostatic discharge, or software errors. FRU replacement should be considered only when a recurring problem exists.

When analyzing an intermittent problem, do the following:

1. Run the advanced diagnostic test for the system board in loop mode at least 10 times.
2. If no error is detected, do not replace any FRU.
3. If any error is detected, replace the FRU. Rerun the test to verify that there are no more errors.

Undetermined Problems

The diagnostic problems does not identify which adapter or device failed, which installed devices are incorrect, whether a short circuit is suspected, or whether the system is inoperative.

Follow these procedures to isolate the failing FRU (do not isolate non-defective FRU).

NOTE: Verify that all attached devices are supported by the computer.

NOTE: Verify that the power supply being used at the time of the failure is operating correctly. (See “Power On Issue” on page 108.):

1. Power-off the computer.
2. Visually check them for damage. If any problems are found, replace the FRU.
3. Remove or disconnect all of the following devices:
    - Non-Acer devices
    - Printer, mouse, and other external devices
    - Battery pack
    - Hard disk drive
    - DIMM
    - CD-ROM/Diskette drive Module
    - PC Cards
4. Power-on the computer.
5. Determine if the problem has changed.
6. If the problem does not recur, reconnect the removed devices one at a time until you find the failing FRU.
7. If the problem remains, replace the following FRU one at a time. Do not replace a non-defective FRU:
    - System board
    - LCD assembly

Post Codes

These tables describe the POST codes and descriptions during the POST.

Sec:

NO_EVICTION_MODE_DEBUG EQU 1 (CommonPlatform\sec\Ia32\SecCore.inc)

Code	Description
0xC2	MTRR setup
0xC3	Enable cache
0xC4	Establish cache tags
0xC5	Enter NEM, Place the BSP in No Fill mode, set CR0.CD = 1, CR0.NW = 0
0xCF	Cache Init Finished

Memory:

DEBUG_BIOS equ 1 (Chipset\Alviso\MemoryInitAsm\IA32\IMEMORY.INC)

Code	Description
0xA0	First memory check point
0x01	Enable MCHBAR
0x02	Check for DRAM initialization interrupt and reset fail
0x03	Verify all DIMMs are DDR or DDR2 and unbuffered
0x04	Detect an improper warm reset and handle
0x05	Detect if ECC SO-DIMMs are present in the system
0x06	Verify all DIMMs are single or double sided and not asymmetric
0x07	Verify all DIMMs are x8 or x16 width
0x08	Find a common CAS latency between the DIMMS and the MCH
0x09	Determine the memory frequency and CAS latency to program
0x10	Determine the smallest common TRAS for all DIMMs
0x11	Determine the smallest common TRP for all DIMMs
0x12	Determine the smallest common TRCD for all DIMMs
0x13	Determine the smallest refresh period for all DIMMs
0x14	Verify burst length of 8 is supported by all DIMMs
0x15	Determine the smallest tWR supported by all DIMMs
0x16	Determine DIMM size parameters
0x17	Program the correct system memory frequency
0x18	Determine and set the mode of operation for the memory channels
0x19	Program clock crossing registers
0x20	Disable Fast Dispatch
0x21	Program the DRAM Row Attributes and DRAM Row Boundary registers
0x22	Program the DRAM Bank Architecture register
0x23	Program the DRAM Timing & and DRAM Control registers
0x24	Program ODT
0x25	Perform steps required before memory init
0x26	Program the receive enable reference timing control register Program the DLL Timing Control Registers, RCOMP settings

Code	Description
0x27	Enable DRAM Channel I/O Buffers
0x28	Enable all clocks on populated rows
0x29	Perform JEDEC memory initialization for all memory rows
0x30	Perform steps required after memory init
0x31	Program DRAM throttling and throttling event registers
0x32	Setup DRAM control register for normal operation and enable
0x33	Enable RCOMP
0x34	Clear DRAM initialization bit in the SB
0x35	Initialization Sequence Completed, program graphic clocks
0x43	Program Thermal Throttling

BDS & Specific action:

Code	Description
0x00	Report the legacy boot is happening
0x12	Wake up the Aps
0x13	Initialize SMM Private Data and relocate BSP SMBASE
0x21	PC init begin at the stage1
0x27	Report every memory range do the hard ware ECC init
0x28	Report status code of every memory range
0x50	Get the root bridge handle
0x51	Notify pci bus driver starts to program the resource
0x58	Reset the host controller
0x5A	IdeBus begin initialization
0x79	Report that the remote terminal is being disabled
0x7A	Report that the remote terminal is being enabled
0x90	Keyboard reset
0x91	USB Keyboard disable
0x92	Keyboard detection
0x93	Report that the usb keyboard is being enabled
0x94	Clear the keyboard buffer
0x95	Init Keyboard
0x98	Mouse reset
0x99	Mouse disable
0x9A	Detect PS2 mouse
0x9B	Report that the mouse is being enabled
0xB8	Peripheral removable media reset (ex: IsaFloppy, USB device)
0xB9	Peripheral removable media disable
0xBB	Peripheral removable media enable
0xE4	Report Status Code here for DXE_ENTRY_POINT once it is available
0xF8	Report that ExitBootServices() has been called
0xF9	Runtime driver set virtual address map

Each PEIM entry point used in 80_PORT

Code	Description
0x00	
0x01	PEI_EVENT_LOG
0xA1	PEI_OEM_SERVICE
0xA2	PEI_SIO_INIT
0xA3	PEI_MONO_STATUS_CODE
0xA4	PEI_CPU_IO_PCI_CFG
0x06	PEI_CPU_IO
0x07	PEI_PCI_CFG
0xA5	PEI_CPU_PEIM
0xA6	PEI_PLATFORM_STAGE1
0xA7	PEI_VARIABLE
0xA8	PEI_SB_INIT
0x0C	PEI_CAPSULE
0xAA	PEI_PLATFORM_STAGE2
0xAC	PEI_SB_SMBUS_ARP_DISABLED
0x0F	PEI_HOST_TO_SYSTEM
0x40	PEI_MEMORY_INIT
0x41	PEI_S3_RESUME
0xAD	PEI_CLOCK_GEN
0xAB	PEI_OP_PRESENCE
0xAE	PEI_FIND_FV
0x16	PEI_H2O_DEBUG_IO
0x17	PEI_H2O_DEBUG_COMM
0x16~0x1F	PEI_RESERVED
0x20~0x2E	PEI_OEM_DEFINED
0xAF	PEI_DXE_IPL

Each Driver entry point used in 80_PORT

Code	Description
0x30	RESERVED
0xB6	DXE_CRC32_SECTION_EXTRACT
0xB8	SCRIPT_SAVE
0xB9	ACPI_S3_SAVE
0xBA	SMART_TIMER
0xBB	JPEG_DECODER
0xBC	PCX_DECODER
0xBE	HT_CPU / MP_CPU
0xBF	LEGACY_METRONOME
0xC0	FTWLITE
0xC1	RUN_RIME
0xC2	MONOTONIC_COUNTER
0xC3	WATCH_DOG_TIMER

Code	Description
0xC4	SECURITY_STUB
0xC5	DXE_CPU_IO
0xC6	CF9_RESET
0xC7	PC_RTC
0xC8	STATUS_CODE
0xC9	VARIABLE EMU_VARIABLE
0xD9	DXE_CHIPSET_INIT
0x45	DXE_ALERT_FORMAT
0xD6	PCI_HOST_BRIDGE
0xD7	PCI_EXPRESS
0xD5	DXE_SB_INIT
0xDA	IDE_CONTROLLER
0xDB	SATA_CONTROLLER
0xDD	SB_SM_BUS
0xE7	ISA_ACPI_DRIVER
0xE8	ISA_BUS
0xE9	ISA_SERIAL
0xED	BUS_PCI_UNDI
0xEC	PCI_BUS
0xF6	BOOT_PRIORITY
0xF7	FVB_SERVICE
0xF8	ACPI_PLATFORM
0xFB	PCI_HOT_PLUG
0xFC	DXE_PLATFORM
0xFD	PLATFORM_IDE
0x97	SMBIOS
0x98	MEMORY_SUB_CLASS
0x99	MISC_SUB_CLASS
0x82	CON_PLATFORM
0x83	SAVE_MEMORY_CONFIG
0x84	ACPI_SUPPORT
0x85	CON_SPLITTER_UGA_VGA / CON_SPLITTER
0x88	VGA_CLASS
0x89	DATA_HUB
0x60	DISK_IO
0x8B	MEMORY_TEST
0x62	CRISIS_RECOVERY
0x8D	LEGACY_8259
0x8E	LEGACY_REGION
0x8F	LEGACY_INTERRUPT
0x70	BIOS_KEYBOARD
0x71	BIOS_VEDIO

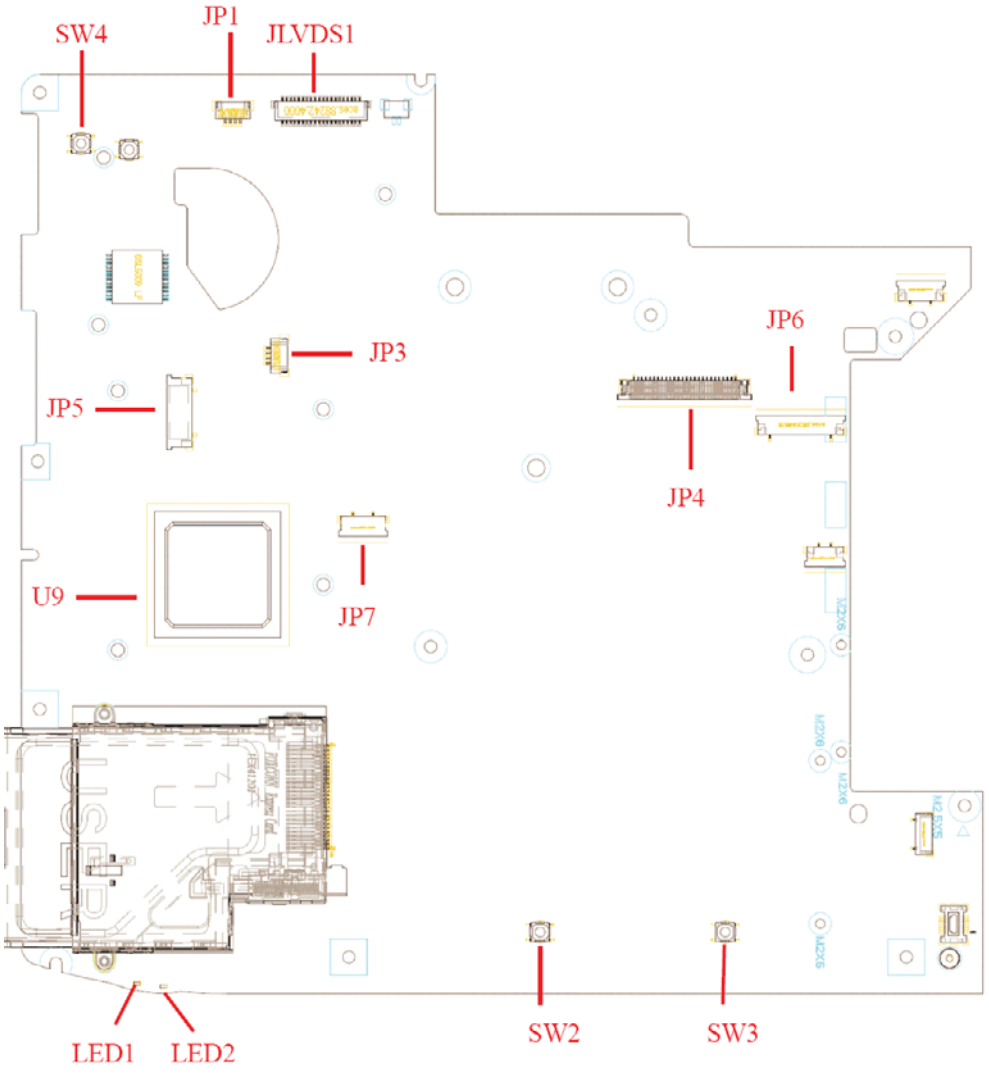
Code	Description
0x72	MONITER_KEY
0x73	LEGACY_BIOS
0x75	LEGACY_BIOS_PLATFORM
0x76	PCI_PLATFORM
0x6C	ISA_FLOOPY
0x6D	PS2_MOUSE
0x6E	USB_BOT
0x6F	USB_CBI0
0x74	USB_MOUSE
0xFA	SETUP_UTILITY
0x90	FW_BLOCK_SERVICE
0x78	SMM_USB_LEGACY
0x86	GRAPHICS_CONSOLE
0x87	TERMINAL
0x8A	DATA_HUB_STD_ERR
0x7C	FAT
0x7D	PARTITION
0x7E	ENGLISH
0x7F	FRENCH
0x9E	HII_DATABASE
0x9F	OEM_SETUP_BROWSER
0x8C	OEM_BADGING_SUPPORT
0xF9	SETUP_MOUSE
0x72	MONITOR_KEY
0xBD	PLATFORM_BDS
0x8D	RESERVED
0x8E	RESERVED
0x8F	RESERVED
0xA0	DXE_H2O_DEBUG_IO
0xB3	DXE_TPM_TCG
0xB4	DXE_TPM_PHYSICAL_PRESENCE
0xB7	DXE_OEM_SERVICE
0x9B	DXE_ SECURITY_HDD_PASSWORD_SERVICE
0xA9	DXE_LAN_IDER_CONTROLLER
0x9C	DXE_ SECURITY_SYSTEM_PASSWORD_SERVICE
0x9D	DXE_ SECURITY_ PASSWORD_CONSOLE
0xCB	DXE_ DATA_HUB_RECORD_POLICY
0xB5	DXE_TPM_DRIVER
0x11	CHINESE
0xB0	JAPANESE
0xB1	DXE_UNICODE_COLLACTION

Each SmmDriver entry point used in 80_PORT

Code	Description
0xD4	SMM_ACCESS
0xDE	SMM_CONTROL
0xCC	SMM_BASE
0xD2	SMM_RUNTIME
0xDF	SB_SMM_DISPATCH
0xD0	SMM_THUNK
0xCA	SMM_ACPI_SW_CHILD
0xFE	SMM_PLATFORM
0xD8	SMM_GMCH_MBI
0x90	SMM_FW_BLOCK_SERVICE
0x91	SMM_VARIABLE
0x92	SMM_IHISI
0x93	SMM_INT15_MICROCODE
0x94	SMM_PNP
0x95	SMM_INIT_PPM
0xD3	SMM_OEM_SERVICE

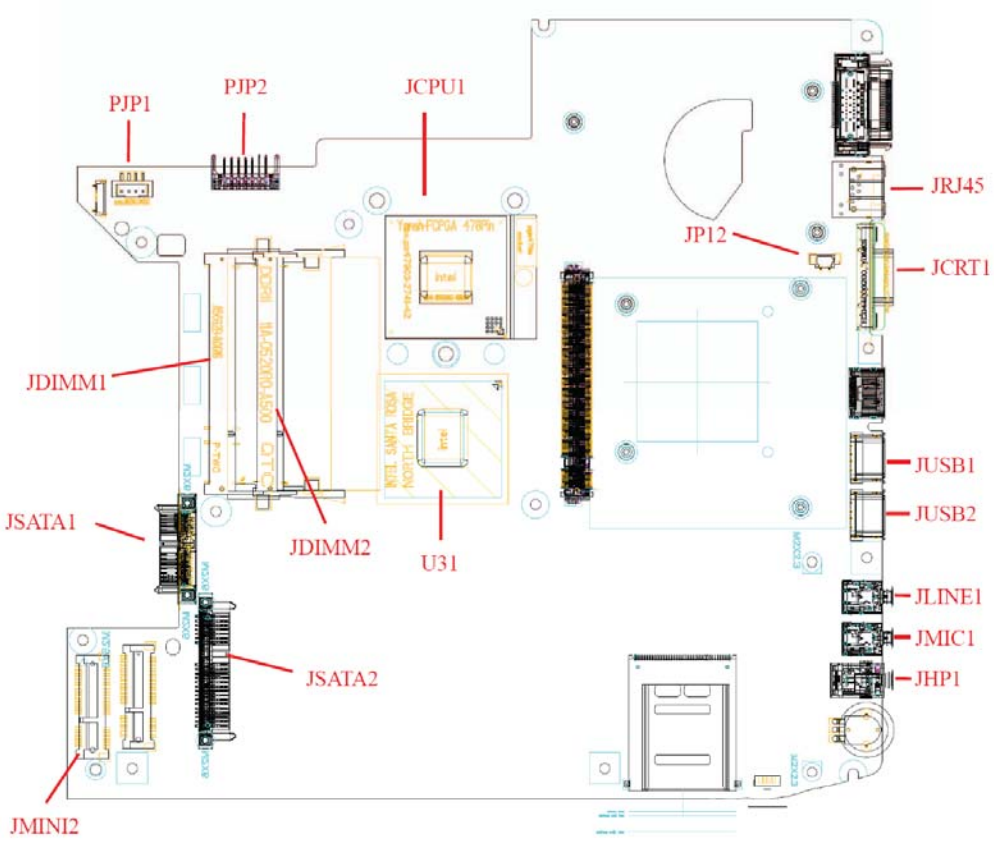
Jumper and Connector Locations

Top View



Item	Description	Item	Description
SW4	Wireless LAN Button	JP1	Internal MIC Connector
JLVDS1	LCD Connector	JP5	Fun/B Connector
JP3	Speaker Connector	JP4	Keyboard Connector
JP6	Power/B Connector	U9	South Bridge
JP7	TouchPad Connector	LED1	Power/SUSP LED
LED2	Battery LED	SW2	TouchPad (left) Button
SW3	TouchPad (right) Button		

Bottom View



Item	Description	Item	Description
JCPU1	CPU Socket	JCRT1	CRT Connector
JDIMM1	Memory DIMM1 Connector	JDIMM2	Memory DIMM2 Connector
JHP1	Head-Phone Connector	JLINE1	Line-In Jack
JMIC1	MIC-In Jack	JMINI2	Wireless Card Connector
JP12	Fan Connector	JRJ45	RJ45 Connector
JSATA1	ODD Connector	JSATA2	HDD Connector
JUSB1	USB Connector	JUSB2	USB Connector
PJP1	AC-IN Connector	PJP2	Battery Connector
U31	North Bridge		

Clearing Password Check and BIOS Recovery

This section provide you the standard operating procedures of clearing password and BIOS recovery for eMachines D720/D520 Series. eMachines D720/D520 provide one Hardware Open Gap on main board for clearing password check, and one Hotkey for enabling BIOS Recovery.

Clearing Password Check

Hardware Open Gap Description

Item	Description
R347 (RTC_RST)	Clear CMOS Jumper

Steps for Clearing BIOS Password Check

If users set BIOS Password (Supervisor Password and/or User Password) for a security reason, BIOS will ask the password during systems POST or when systems enter to BIOS Setup menu. However, once it is necessary to bypass the password check, users need to short the HW Gap to clear the password by the following steps:

- Power Off a system, and remove HDD, AC and Battery from the machine.
- Open the back cover of the machine, and find out the HW Gap on M/B as picture.
- Use an electric conductivity tool to short the two points of the HW Gap.
- Plug in AC, keep the short condition on the HW Gap, and press Power Button to power on the system till BIOS POST finish. Then remove the tool from the HW Gap.
- Restart system. Press F2 key to enter BIOS Setup menu.
- If there is no Password request, BIOS Password is cleared. Otherwise, please follow the steps and try again.

NOTE: The steps are only for clearing BIOS Password (Supervisor Password and User Password).

BIOS Recovery by Crisis Disk

BIOS Recovery Boot Block:

BIOS Recovery Boot Block is a special block of BIOS. It is used to boot up the system with minimum BIOS initialization. Users can enable this feature to restore the BIOS firmware to a successful one once the previous BIOS flashing process failed.

BIOS Recovery Hotkey:

The system provides a function hotkey: **Fn+Esc**, for enable BIOS Recovery process when system is powered on during BIOS POST. To use this function, it is strongly recommended to have the AC adapter and Battery present. If this function is enabled, the system will force the BIOS to enter a special BIOS block, called Boot Block.

Steps for BIOS Recovery from USB Storage:

Before doing this, prepare the Crisis USB key. The Crisis USB key could be made by executing the Crisis Disk program in another system with Windows XP OS.

Follow the steps below:

1. Save ROM file (file name: **JAL90x64.fd**) to the root directory of USB storage.
2. Plug USB storage into USB port.
3. Press **Fn + ESC** button then plug in AC.

   The Power button flashes once.
4. Press **Power** button to initiate system CRISIS mode.

   When CRISIS is complete, the system auto restarts with a workable BIOS.
5. Update the latest version BIOS for this machine by regular BIOS flashing process.

FRU (Field Replaceable Unit) List

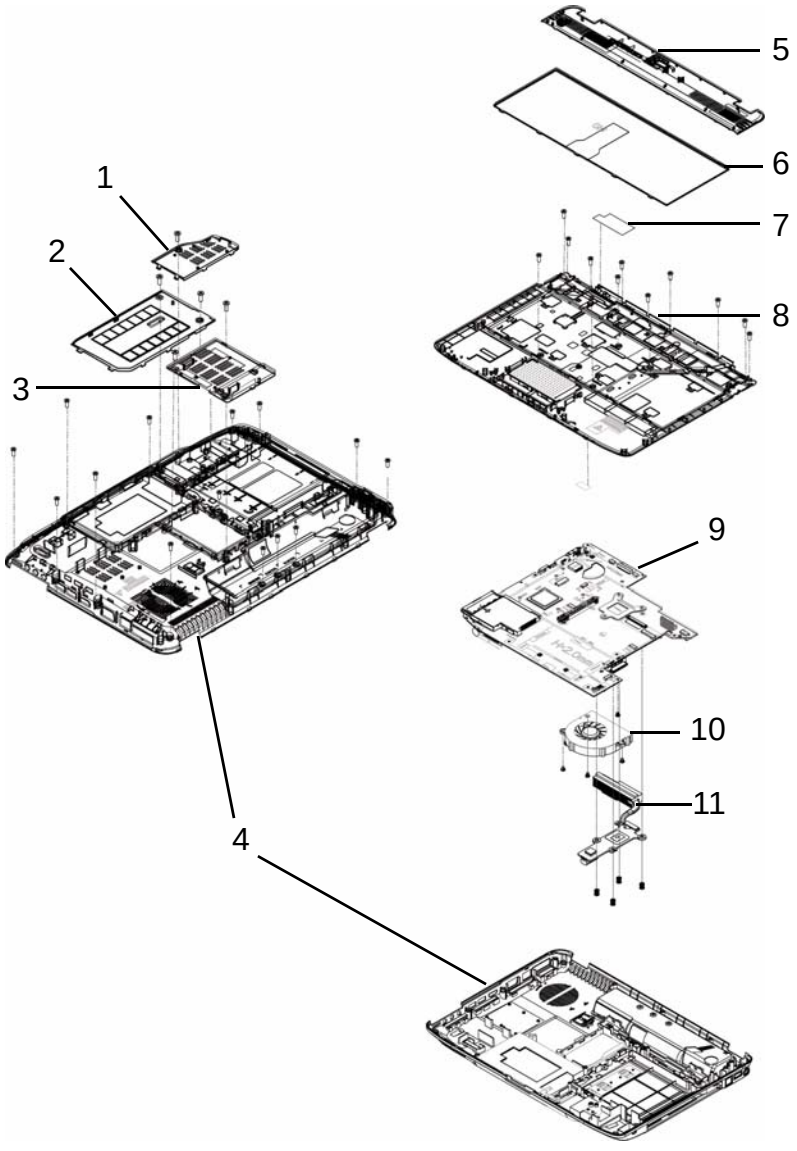
This chapter gives you the FRU (Field Replaceable Unit) listing in global configurations of eMachines D720/D520. Refer to this chapter whenever ordering for parts to repair or for RMA (Return Merchandise Authorization).

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 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 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.

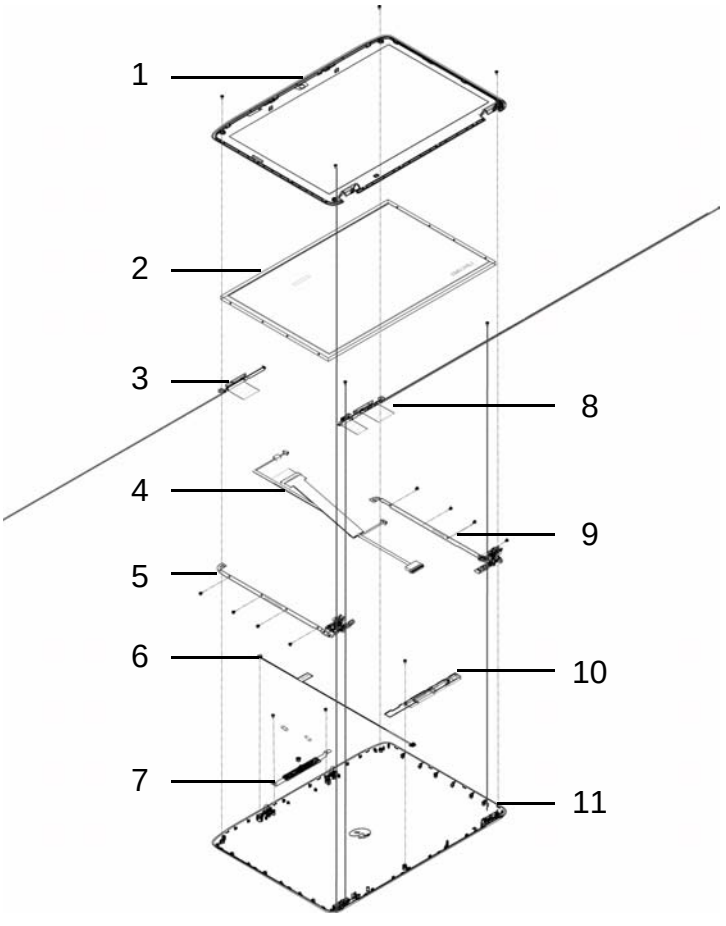
eMachines D720/D520 Exploded Diagrams

Main Assembly



No.	Description	Acer P/N	No.	Description	Acer P/N
1	Mini Door		7	Power Board	
2	HDD Door		8	Upper Case	
3	Ram Door		9	Mainboard	
4	Lower Case		10	CPU Fan	
5	Middle Cover		11	Heatsink	
6	Keyboard				

LCD Panel



No.	Description	Acer P/N	No.	Description	Acer P/N
1	LCD Bezel		7	Camera Module	
2	LCD Panel		8	Right Antenna	
3	Left Antenna		9	Right Hinge	
4	LCD Cable		10	Inverter	
5	Left Hinge		11	LCD Assembly	
6	Mic Cable				

eMachines D720/D520 FRU List

Category	Description	Acer Part No.
Adapter		
	ADAPTER 65W 3PIN DELTA SADP65KB BFJA OBL	AP.06501.014
	ADAPTER 65W 3PIN DELTA SADP-65KB DFA	AP.06501.013
	ADAPTER 65W 3PIN LITEON PA-1650-02AC	TBD
	ADAPTER 65W 3PIN HIPRO AC-OK065B13	TBD
Battery		
	BATTERY LI-ION 6CELLS 4.4AH SANYO	BT.00603.041
	BATTERY LI-ION 6CELLS 4.4AH SONY	BT.00604.024
	BATTERY LI-ION 6CELLS SP SM 3S2P 4.4AH SIMPLO	BT.00607.034
	BATTERY LI-ION 6CELLS SP SM 3S2P 4.8AH SIMPLO	TBD
	BATTERY LI-ION 6CELLS SP LG 3S2P 4.4AH SIMPLO	TBD
	BATTERY LI-ION 6CELLS SP PA 3S2P 4.4AH 7 043 0FA SIMPLO	BT.00607.015
	BATTERY LI-ION 6CELLS 4.4AH PANASONIC	BT.00605.020
Board		
	POWER BOARD	55.N0902.001
	MODEM BOARD	55.N0902.002
	MINI CARD BROADCOM T77H030.00 54MBPS BRCM4312	NI.23600.029
	MINI CARD ATHEROS T60H976.00 (FW-06) 54M XB63	NI.23600.007
Cable		
	T/P FFC	50.N0902.001
	POWER CORD US 3 PIN	27.TAVV5.001
	POWER CORD EU 3 PIN	27.TAVV5.002
	POWER CORD AUS 3 PIN	27.TAVV5.003
	POWER CORD UK 3 PIN	27.TAVV5.004
	POWER CORD CHINA 3 PIN	27.TAVV5.005
	POWER CORD SWISS 3 PIN	27.TAVV5.006
	POWER CORD ITALIAN 3 PIN	27.TAVV5.007
	POWER CORD DENMARK 3 PIN	27.TAVV5.008
	POWER CORD JP 3 PIN	27.TAVV5.009
	POWER CORD SOUTH AFRICA 3 PIN	27.TAVV5.010
	POWER CORD KOERA 3 PIN	27.TAVV5.011
	POWER CORD ISRAEL 3 PIN	27.TAVV5.012
	POWER CORD INDIA 3 PIN	27.TAVV5.013
	POWER CORD TWN 3 PIN	27.TAVV5.014
	POWER CORD ARGENTINA 3 PIN	27.APV02.001
Case/Cover/ Bracket Assembly		
	MIDDLE COVER	60.N0902.001
	UPPER CASE ASSY	60.N0902.002
	LOWER CASE ASSY W/ RJ11	60.N0902.003
	LOWER CASE ASSY W/O RJ11	60.N0902.004
	T/P BRACKET	33.N0902.001

Category	Description	Acer Part No.
	RAM DOOR	42.N0902.001
	MINI DOOR	42.N0902.002
	HDD DOOR	42.N0902.003
CPU/Processor		
	CPU INTEL P575 2G LF80537NF0411M SLB6M M0	
	CPU INTEL P585 2.16G LF80537NF0481M SLB6L M0	
	CPU INTEL T1600 1.66G LF80537NF0281MN SLB6J M0	
	CPU INTEL T1700 1.83G LF80537NF0341MN SLB6H M0	
	CPU INTEL T3200 2G LF80537GF0411M SLAVG M0	
	CPU INTEL T3400 2.16G LF80537GF0481M SLB3P M0	
Multi Drive		
	DVD SUPER MULTI DRIVE MODEL	6M.N0902.001
	DVD SUPER MULTI DRIVE HLDS GSA-T50N	KU.0080D.029
	DVD SUPER MULTI DRIVE HLDS GSA-T50N (ML)	KU.0080D.034
	DVD SUPER MULTI DRIVE PIONEER DVR-TD08RS	KU.00805.044
	DVD SUPER MULTI DRIVE PLDS DS-8A2S	KU.0080F.001
	DVD SUPER MULTI DRIVE SONY AD-7560S	KU.0080E.009
	DVD SUPER MULTI DRIVE TOSHIBA TS-L633A	KU.00801.021
	ODD BEZEL-SUPER MULTI	42.N0902.004
	ODD BRACKET	33.N0902.002
Combo Drive		
	DVD/CDRW COMBO DRIVE MODULE	6M.N0902.002
	DVD/CDRW COMBO DRIVE TSST TS-L463A	KO.02401.006
	DVD/CDRW COMBO DRIVE SONY CRX890S	KO.0240E.009
	ODD BEZEL-COMBO	42.N0902.005
	ODD BRACKET	33.N0902.002
HDD		

Category	Description	Acer Part No.
	HDD SATA 120G 5400RPM HGST HTS542512K9SA00	KH.12007.014
	HDD SATA 120G 5400RPM TOSHIBA MK1246GSX 0FA	KH.12004.007
	HDD SATA 120G 5400RPM SEAGATE ST9120817AS	KH.12001.032
	HDD SATA 120G 5400RPM WD WD1200BEVS-22UST0	KH.12008.019
	HDD SATA 160G 5400RPM HGST HTS542516K9SA00	KH.16007.016
	HDD SATA 160G 5400RPM HGST HTS543216L9A300	KH.16007.019
	HDD SATA 160G 5400RPM TOSHIBA MK1646GSX	KH.16004.002
	HDD SATA 160G 5400RPM SEAGATE ST9160827AS	KH.16001.029
	HDD SATA 160G 5400RPM SEAGATE ST9160310AS	KH.16001.034
	HDD SATA 160G 5400RPM WD WD1600BEVT-22ZCT0	KH.16008.022
	HDD SATA 250G 5400RPM HGST HTS542525K9SA00	KH.25007.011
	HDD SATA 250G 5400RPM TOSHIBA MK2546GSX	KH.25004.001
	HDD SATA 250G 5400RPM SEAGATE ST9250827AS	KH.25001.011
	HDD SATA 250G 5400RPM WD WD2500BEVS-22UST0	KH.25008.018
	HDD SATA 320G 5400RPM HGST HTS543232L9A300	KH.32007.004
	HDD SATA 320G 5400RPM SEAGATE ST9320320AS	KH.32001.008
	HDD SATA 320G 5400RPM WD WD3200BEVT-22ZCT0	KH.32008.013
	HDD CARRIER	33.N0902.003
Keyboard		

Category	Description	Acer Part No.
	KEYBOARD INTE(UI) US INTERNATION	
	KEYBOARD (ARE) ARABIC ENGLISH	
	KEYBOARD (BE) BELGIAN	
	KEYBOARD (BZ) BRAZILIAN	
	KEYBOARD (CF) CANADIAN FRENCH	
	KEYBOARD (CH) T-CHINESE	
	KEYBOARD (DM) DENMARK	
	KEYBOARD (NL) NETHERLANDS	
	KEYBOARD (FR) FRENCH	
	KEYBOARD (GR) GERMAN	
	KEYBOARD (GK) GREEK	
	KEYBOARD (HG) HUNGARY	
	KEYBOARD (IT) ITALIAN	
	KEYBOARD (KO) KOREAN	
	KEYBOARD (NW) NORWEGIAN	
	KEYBOARD (PO) PORTUGUESE	
	KEYBOARD (RU) RUSSIAN	
	KEYBOARD (SA/CR) SLOVENIAN	
	KEYBOARD (SV) SLOVAK	
	KEYBOARD (SP) SPANISH	
	KEYBOARD (CZ/SK) CZECH-SLOVAKIAN	
	KEYBOARD (SW) SWITZERLAND	
	KEYBOARD (TI) THAILAND	
	KEYBOARD (TR) TURKISH	
	KEYBOARD UK	
	KEYBOARD (HB) HEBREW	
	KEYBOARD (ND) SCANDINAVIAN	
	KEYBOARD (AR/FR) ARABIC/FRENCH	
	KEYBOARD (CB) CANADIAN BILINGUAL	
	KEYBOARD (SD) SWEDISH	
LCD		
	ASSY LCD MODULE 14.1 IN. WXGA GLARE W/ANTENNA CCD	6M.N0902.003
	LCD PANEL G 14.1" WXGA AUO B141EW04 V4	LK.14105.018
	LCD PANEL G 14.1" WXGA SAMSUNG LTN141W3-L01-J	LK.14106.014
	LCD PANEL G 14.1" WXGA CMO N141I3-L02	LK.1410D.016
	LCD PANEL G 14.1" WXGA LPL LP141WX3-TLN1	LK.14108.014
	INVERTER BOARD	19.N0902.001
	LCD CABLE	50.N0902.002
	ANTENNA-R	50.N0902.003
	ANTENNA-L	50.N0902.004
	LCD COVER	60.N0902.005
	LCD BEZEL	60.N0902.006
	LCD BRACKET-R	33.N0902.004

Category	Description	Acer Part No.
	LCD BRACKET-L	33.N0902.005
	CAMERA MODULE 0.3M	57.N0902.001
	SCREW PAD	47.N0902.001
Mainboard		
	MAINBOARD EMD720/EMD520 INTEL GL40 ICH9 PROPRIETARY V1.0 LF	MB.N0902.001
Memory		
	RAM 512MB DDRII 667 NANYA NT512T64UH8B0FN-3C	KN.51203.032
	RAM 512MB DDRII 667 SAMSUNG M470T6464QZ3-CE6	KN.5120B.026
	RAM 512MB DDRII 667 HYNIX HYMP164S64CP6-Y5	KN.5120G.024
	RAM 1GB DDRII 667 NANYA NT1GT64U8HB0BN-3C	KN.1GB03.014
	RAM 1GB DDRII 667 SAMSUNG M470T2864QZ3-CE6	KN.1GB0B.016
	RAM 1GB DDRII 667 HYNIX HYMP112S64CP6-Y5	KN.1GB0G.012
	RAM 2GB DDRII 667 HYNIX HYMP125S64CP8-Y5	KN.2GB0G.004
	RAM 2GB DDRII 667 SAMSUNG M470T5663QZ3-CE6	KN.2GB0B.003
Fan		
	FAN	23.N0902.001
Heatsink		
	CPU THERMAL MODULE	60.N0902.007
Speaker		
	MIC SET	23.N0902.002
	SPEAKER R&L	23.N0902.003
Miscellaneous		
	NAME PLATE-D520	40.N0902.001
	NAME PLATE-D720	40.N0902.002
	RUBBER FOOT-L	47.N0902.002
	RUBBER FOOT-S	47.N0902.003
	RUBBER FOOT-HDD DOOR	47.N0902.004

Screw List

Category	Description	Acer Part No.
SCREW	SCREW,M2.5X8(NL)	86.AT902.001
SCREW	SCREW,M2.5X5(NL)	86.AT902.002
SCREW	SCREW,M2X3(NL)	86.AT902.003
SCREW	SCREW,M2.5X4(NL)	86.AT902.004
SCREW	SCREW,M2X4-NI(NL)	86.AT902.005
SCREW	SCREW,M3X3(NL)	86.AT902.006
SCREW	SCREW,M2.5X6.5(NL)	86.AT902.007

Model Definition and Configuration

eMachines D720/D520 Series

Model Description

Model	RO	Country	Acer Part No	Description
eMD520-571G12Mi	PA	Canada	LX.N110C.004	eMD520-571G12Mi LINPUSeCA1 UMA 1*1G/120/6L/CB_bg_EN31
eMD520-571G12Mi	PA	USA	LX.N110C.003	eMD520-571G12Mi LINPUSeUS1 UMA 1*1G/120/6L/CB_bg_EN31
eMD520-571G12Mi	PA	ACLA-Portuguese	LX.N110C.002	eMD520-571G12Mi LINPUSeXC1 UMA 1*1G/120/6L/CB_bg_EN61
eMD520-571G12Mi	PA	ACLA-Spanish	LX.N110C.001	eMD520-571G12Mi LINPUSeEA3 UMA 1*1G/120/6L/CB_bg_EN61
eMD520-571G12Mi	EMEA	Eastern Europe	LX.N110Y.052	eMD520-571G12Mi VHB32eTEU6 UMA 1*1G/120/6L/CB_bg_CS21
eMD520-571G12Mi	EMEA	Hungary	LX.N110Y.050	eMD520-571G12Mi VHB32eTHU1 UMA 1*1G/120/6L/CB_bg_HU11
eMD520-571G12Mi	EMEA	Slovenia/ Croatia	LX.N110Y.051	eMD520-571G12Mi VHB32eTSI1 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	EMEA	Portugal	LX.N110Y.049	eMD520-571G12Mi VHB32eTPT1 UMA 1*1G/120/6L/CB_bg_PT11
eMD520-571G12Mi	EMEA	Spain	LX.N110Y.048	eMD520-571G12Mi VHB32eTES1 UMA 1*1G/120/6L/CB_bg_ES21
eMD520-571G12Mi	EMEA	Greece	LX.N110Y.044	eMD520-571G12Mi VHB32eTGR1 UMA 1*1G/120/6L/CB_bg_EL21
eMD520-571G12Mi	EMEA	Israel	LX.N110Y.045	eMD520-571G12Mi VHB32eTIL1 UMA 1*1G/120/6L/CB_bg_HE11
eMD520-571G12Mi	EMEA	Italy	LX.N110Y.046	eMD520-571G12Mi VHB32eTIT1 UMA 1*1G/120/6L/CB_bg_IT11
eMD520-571G12Mi	EMEA	Turkey	LX.N110Y.043	eMD520-571G12Mi EM VHB32eTTR1 UMA 1*1G/120/6L/CB_bg_TR41
eMD520-571G12Mi	EMEA	Turkey	LX.N110Y.047	eMD520-571G12Mi EM VHB32eTTR1 UMA 1*1G/120/6L/CB_bg_TR11
eMD520-571G12Mi	EMEA	Middle East	LX.N110Y.042	eMD520-571G12Mi EM VHB32eTME9 UMA 1*1G/120/6L/CB_bg_FR21
eMD520-571G12Mi	EMEA	Middle East	LX.N110Y.040	eMD520-571G12Mi EM VHB32eTME2 UMA 1*1G/120/6L/CB_bg_AR21
eMD520-571G12Mi	EMEA	Middle East	LX.N110Y.041	eMD520-571G12Mi EM VHB32eTME6 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	EMEA	Middle East	LX.N110Y.039	eMD520-571G12Mi EM VHB32eTME3 UMA 1*1G/120/6L/CB_bg_FR21
eMD520-571G12Mi	EMEA	Middle East	LX.N110Y.038	eMD520-571G12Mi EM VHB32eTME2 UMA 1*1G/120/6L/CB_bg_AR11

Model	RO	Country	Acer Part No	Description
eMD520-571G12Mi	EMEA	Switzerland	LX.N110Y.034	eMD520-571G12Mi VHB32eTCH1 UMA 1*1G/120/6L/CB_bg_IT41
eMD520-571G12Mi	EMEA	UK	LX.N110Y.035	eMD520-571G12Mi VHB32eTGB1 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	CHINA	China	LX.N110Y.056	eMD520-571G12Mi VHB32eTCN1 UMA 1*1G/120/6L/CB_bg_AN_SC11
eMD520-571G12Mi	CHINA	Hong Kong	LX.N110Y.055	eMD520-571G12Mi VHB32eTHK2 UMA 1*1G/120/6L/CB_bg_AN_ZH31
eMD520-571G12Ci	CHINA	China	LX.N110Y.054	eMD520-571G12Ci VHB32eTCN1 UMA 1*1G/120/6L/CB_bg_AN_SC11
eMD520-571G12Ci	CHINA	Hong Kong	LX.N110Y.053	eMD520-571G12Ci VHB32eTHK2 UMA 1*1G/120/6L/CB_bg_AN_ZH31
eMD520-571G12Ci	CHINA	China	LX.N110C.015	eMD520-571G12Ci LINPUSeCN1 UMA 1*1G/120/6L/CB_bg_AN_EN91
eMD520-571G12Mi	CHINA	China	LX.N110C.014	eMD520-571G12Mi LINPUSeCN1 UMA 1*1G/120/6L/CB_bg_AN_EN91
eMD520-571G12Mi	EMEA	South Africa	LX.N110Y.036	eMD520-571G12Mi EM VHB32eTZA1 UMA 1*1G/120/6L/CB_bg_FR21
eMD520-571G12Mi	EMEA	South Africa	LX.N110Y.033	eMD520-571G12Mi EM VHB32eTZA2 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	EMEA	Denmark	LX.N110Y.037	eMD520-571G12Mi VHB32eTDK1 UMA 1*1G/120/6L/CB_bg_NO11
eMD520-571G12Mi	EMEA	France	LX.N110Y.032	eMD520-571G12Mi VHB32eTFR1 UMA 1*1G/120/6L/CB_bg_FR21
eMD520-571G12Mi	EMEA	Germany	LX.N110Y.030	eMD520-571G12Mi VHB32eTDE1 UMA 1*1G/120/6L/CB_bg_DE11
eMD520-571G12Mi	EMEA	Belgium	LX.N110Y.031	eMD520-571G12Mi VHB32eTBE1 UMA 1*1G/120/6L/CB_bg_NL11
eMD520-571G12Mi	EMEA	Holland	LX.N110Y.029	eMD520-571G12Mi VHB32eTNL1 UMA 1*1G/120/6L/CB_bg_NL11
eMD520-571G12Mi	EMEA	Luxembourg	LX.N110Y.028	eMD520-571G12Mi VHB32eTLU1 UMA 1*1G/120/6L/CB_bg_IT41
eMD520-571G12Mi	EMEA	Norway	LX.N110Y.024	eMD520-571G12Mi VHB32eTNO1 UMA 1*1G/120/6L/CB_bg_NO11
eMD520-571G12Mi	EMEA	Russia	LX.N110Y.025	eMD520-571G12Mi VHB32eTRU1 UMA 1*1G/120/6L/CB_bg_RU11
eMD520-571G12Mi	EMEA	Sweden/Finland	LX.N110Y.026	eMD520-571G12Mi VHB32eTSE1 UMA 1*1G/120/6L/CB_bg_FI11
eMD520-571G12Mi	EMEA	Czech	LX.N110Y.023	eMD520-571G12Mi VHB32eTCZ2 UMA 1*1G/120/6L/CB_bg_SK11
eMD520-571G12Mi	EMEA	Eastern Europe	LX.N110Y.027	eMD520-571G12Mi VHB32eTEU4 UMA 1*1G/120/6L/CB_bg_FI11
eMD520-571G12Mi	EMEA	Eastern Europe	LX.N110Y.022	eMD520-571G12Mi VHB32eTEU3 UMA 1*1G/120/6L/CB_bg_RU11
eMD520-571G12Mi	EMEA	Eastern Europe	LX.N110Y.020	eMD520-571G12Mi VHB32eTEU7 UMA 1*1G/120/6L/CB_bg_ENG1
eMD520-571G12Mi	EMEA	Eastern Europe	LX.N110Y.021	eMD520-571G12Mi VHB32eTEU1 UMA 1*1G/120/6L/CB_bg_CS21
eMD520-571G12Mi	EMEA	Eastern Europe	LX.N110Y.019	eMD520-571G12Mi VHB32eTEU2 UMA 1*1G/120/6L/CB_bg_HU21

Model	RO	Country	Acer Part No	Description
eMD520-571G12Mi	EMEA	Eastern Europe	LX.N110Y.018	eMD520-571G12Mi VHB32eTEU5 UMA 1*1G/120/6L/CB_bg_PL11
eMD520-571G12Mi	PA	ACLA-Spanish	LX.N110Y.004	eMD520-571G12Mi EM VHB32eTEA1 UMA 1*1G/120/6L/CB_bg_ES21
eMD520-571G12Mi	AAP	Australia/New Zealand	LX.N110C.013	eMD520-571G12Mi LINPUSeAU1 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	AAP	Singapore	LX.N110C.012	eMD520-571G12Mi LINPUSeSG1 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	AAP	India	LX.N110C.011	eMD520-571G12Mi LINPUSeIN1 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	AAP	Indonesia	LX.N110C.010	eMD520-571G12Mi LINPUSeID1 UMA 1*1G/120/6L/CB_bg_ID21
eMD520-571G12Mi	AAP	Indonesia	LX.N110C.009	eMD520-571G12Mi LINPUSeID1 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	AAP	Philippines	LX.N110C.008	eMD520-571G12Mi LINPUSePH1 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	AAP	Malaysia	LX.N110C.007	eMD520-571G12Mi LINPUSeMY1 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	AAP	Thailand	LX.N110C.006	eMD520-571G12Mi LINPUSeTH1 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	AAP	Vietnam	LX.N110C.005	eMD520-571G12Mi LINPUSeVN1 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	AAP	Australia/New Zealand	LX.N110Y.017	eMD520-571G12Mi VHB32eTAU1 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	AAP	New Zealand	LX.N110Y.016	eMD520-571G12Mi VHB32eTNZ1 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	AAP	Singapore	LX.N110Y.015	eMD520-571G12Mi VHB32eTSG1 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	AAP	Singapore	LX.N110Y.014	eMD520-571G12Mi VHB32eTSG1 UMA 1*1G/120/6L/CB_bg_ZH31
eMD520-571G12Mi	AAP	India	LX.N110Y.013	eMD520-571G12Mi VHB32eTIN1 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	AAP	Indonesia	LX.N110Y.012	eMD520-571G12Mi EM VHB32eTID1 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	AAP	Indonesia	LX.N110Y.011	eMD520-571G12Mi EM VHB32eTID1 UMA 1*1G/120/6L/CB_bg_ID21
eMD520-571G12Mi	AAP	Philippines	LX.N110Y.010	eMD520-571G12Mi EM VHB32eTPH1 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	AAP	Malaysia	LX.N110Y.009	eMD520-571G12Mi EM VHB32eTMY1 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	AAP	Thailand	LX.N110Y.008	eMD520-571G12Mi EM VHB32eTTH1 UMA 1*1G/120/6L/CB_bg_TH21
eMD520-571G12Mi	AAP	Vietnam	LX.N110Y.007	eMD520-571G12Mi EM VHB32eTVN1 UMA 1*1G/120/6L/CB_bg_EN11
eMD520-571G12Mi	PA	Canada	LX.N110Y.006	eMD520-571G12Mi VHB32eTCA2 UMA 1*1G/120/6L/CB_bg_FR31
eMD520-571G12Mi	PA	USA	LX.N110Y.005	eMD520-571G12Mi VHB32eTUS1 UMA 1*1G/120/6L/CB_bg_EN31
eMD520-571G12Mi	PA	ACLA-Portuguese	LX.N110Y.003	eMD520-571G12Mi EM VHB32eTXC1 UMA 1*1G/120/6L/CB_bg_XC21

Model	RO	Country	Acer Part No	Description
eMD520-571G12Mi	PA	ACLA-Portuguese	LX.N110Y.002	eMD520-571G12Mi EM VHB32eTXC2 UMA 1*1G/120/6L/CB_bg_XC21
eMD520-571G12Mi	PA	ACLA-Spanish	LX.N110Y.001	eMD520-571G12Mi EM VHB32eTEA3 UMA 1*1G/120/6L/CB_bg_ES21
eMD520-570512Ci	AAP	Vietnam	LX.N110C.016	eMD520-570512Ci LINPUSeVN1 UMA 1*512/120/6L/CB_bg_AN_EN11
eMD520-571G12Mi	WW	WW	S2.N110Y.001	eMD520-571G12Mi VHB32eWW1 UMA 2*512/120/6L/CB_bg_AN_EN13
eMD720-321G12Mi	WW	WW	S2.N250Y.001	eMD720-321G12Mi VHB32eWW1 UMAC 2*512/120/6L/CB_bg_0.3D_AN_EN13
eMD720-321G12C	CHINA	China	LX.N250Y.003	eMD720-321G12CVHB32eTCN1 UMAC 1*1G/120/6L/CB_0.3D_AN_SC11
eMD720-321G16Mi	CHINA	China	LX.N250Y.002	eMD720-321G16Mi VHB32eTCN1 UMAC 1*1G/160/6L/ CB_bg_0.3D_AN_SC11
eMD720-321G16Mi	TWN	GCTWN	LX.N250Y.001	eMD720-321G16Mi VHB32eTTW1 UMAC 1*1G/160/6L/ CB_bg_0.3D_AN_TC11
eMD720-322G32Mi	PA	Canada	LX.N250Y.006	eMD720-322G32Mi VHB32eTCA2 UMAC 1*2G/320/6L/CB_bg_0.3D_AN_FR31
eMD720-322G32Mi	PA	USA	LX.N250Y.005	eMD720-322G32Mi VHB32eTUS1 UMAC 1*2G/320/6L/CB_bg_0.3D_AN_EN31
eMD720-322G32Mi	PA	ACLA-Spanish	LX.N250Y.004	eMD720-322G32Mi EM VHB32eTEA1 UMAC 1*2G/320/6L/ CB_bg_0.3D_AN_ES21
eMD520-571G12Mi	CHINA	China	LX.N090Y.021	eMD520-571G12Mi VHB32eTCN1 UMAC 1*1G/120/6L/ CB_bg_0.3D_AN_SC11
eMD520-571G12Mi	CHINA	Hong Kong	LX.N090Y.020	eMD520-571G12Mi VHB32eTHK2 UMAC 1*1G/120/6L/CB_bg_0.3D_AN_ZH31
eMD520-571G12Ci	CHINA	China	LX.N090Y.019	eMD520-571G12Ci VHB32eTCN1 UMAC 1*1G/120/6L/CB_bg_0.3D_AN_SC11
eMD520-571G12Ci	CHINA	Hong Kong	LX.N090Y.018	eMD520-571G12Ci VHB32eTHK2 UMAC 1*1G/120/6L/CB_bg_0.3D_AN_ZH31
eMD520-571G12Ci	CHINA	China	LX.N090C.015	eMD520-571G12Ci LINPUSeCN1 UMAC 1*1G/120/6L/CB_bg_0.3D_AN_EN91
eMD520-571G12Mi	CHINA	China	LX.N090C.014	eMD520-571G12Mi LINPUSeCN1 UMAC 1*1G/120/6L/CB_bg_0.3D_AN_EN91
eMD520-571G12Mi	AAP	Australia/New Zealand	LX.N090C.010	eMD520-571G12Mi LINPUSeAU1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN11
eMD520-571G12Mi	AAP	Singapore	LX.N090C.009	eMD520-571G12Mi LINPUSeSG1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN11
eMD520-571G12Mi	AAP	India	LX.N090C.011	eMD520-571G12Mi LINPUSeIN1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN11
eMD520-571G12Mi	AAP	Indonesia	LX.N090C.008	eMD520-571G12Mi LINPUSeID1 UMAC 1*1G/120/6L/CB_bg_0.3D_ID21
eMD520-571G12Mi	AAP	Indonesia	LX.N090C.012	eMD520-571G12Mi LINPUSeID1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN11
eMD520-571G12Mi	AAP	Philippines	LX.N090C.007	eMD520-571G12Mi LINPUSePH1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN11

Model	RO	Country	Acer Part No	Description
eMD520-571G12Mi	AAP	Malaysia	LX.N090C.013	eMD520-571G12Mi LINPUSeMY1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN11
eMD520-571G12Mi	AAP	Thailand	LX.N090C.006	eMD520-571G12Mi LINPUSeTH1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN11
eMD520-571G12Mi	AAP	Vietnam	LX.N090C.005	eMD520-571G12Mi LINPUSeVN1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN11
eMD520-571G12Mi	AAP	Australia/New Zealand	LX.N090Y.017	eMD520-571G12Mi VHB32eTAU1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN11
eMD520-571G12Mi	AAP	New Zealand	LX.N090Y.013	eMD520-571G12Mi VHB32eTNZ1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN11
eMD520-571G12Mi	AAP	Singapore	LX.N090Y.012	eMD520-571G12Mi VHB32eTSG1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN11
eMD520-571G12Mi	AAP	Singapore	LX.N090Y.014	eMD520-571G12Mi VHB32eTSG1 UMAC 1*1G/120/6L/CB_bg_0.3D_ZH31
eMD520-571G12Mi	AAP	India	LX.N090Y.011	eMD520-571G12Mi VHB32eTIN1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN11
eMD520-571G12Mi	AAP	Indonesia	LX.N090Y.015	eMD520-571G12Mi EM VHB32eTID1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN11
eMD520-571G12Mi	AAP	Indonesia	LX.N090Y.010	eMD520-571G12Mi EM VHB32eTID1 UMAC 1*1G/120/6L/CB_bg_0.3D_ID21
eMD520-571G12Mi	AAP	Philippines	LX.N090Y.016	eMD520-571G12Mi EM VHB32eTPH1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN11
eMD520-571G12Mi	AAP	Malaysia	LX.N090Y.009	eMD520-571G12Mi EM VHB32eTMY1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN11
eMD520-571G12Mi	AAP	Thailand	LX.N090Y.008	eMD520-571G12Mi EM VHB32eTTH1 UMAC 1*1G/120/6L/CB_bg_0.3D_TH21
eMD520-571G12Mi	AAP	Vietnam	LX.N090Y.007	eMD520-571G12Mi EM VHB32eTVN1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN11
eMD520-571G12Mi	PA	Canada	LX.N090C.004	eMD520-571G12Mi LINPUSeCA1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN31
eMD520-571G12Mi	PA	USA	LX.N090C.003	eMD520-571G12Mi LINPUSeUS1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN31
eMD520-571G12Mi	PA	ACLA-Portuguese	LX.N090C.002	eMD520-571G12Mi LINPUSeXC1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN61
eMD520-571G12Mi	PA	ACLA-Spanish	LX.N090C.001	eMD520-571G12Mi LINPUSeEA3 UMAC 1*1G/120/6L/CB_bg_0.3D_EN61
eMD520-571G12Mi	PA	Canada	LX.N090Y.005	eMD520-571G12Mi VHB32eTCA2 UMAC 1*1G/120/6L/CB_bg_0.3D_FR31
eMD520-571G12Mi	PA	USA	LX.N090Y.004	eMD520-571G12Mi VHB32eTUS1 UMAC 1*1G/120/6L/CB_bg_0.3D_EN31
eMD520-571G12Mi	PA	ACLA-Portuguese	LX.N090Y.006	eMD520-571G12Mi EM VHB32eTXC1 UMAC 1*1G/120/6L/CB_bg_0.3D_XC21
eMD520-571G12Mi	PA	ACLA-Portuguese	LX.N090Y.003	eMD520-571G12Mi EM VHB32eTXC2 UMAC 1*1G/120/6L/CB_bg_0.3D_XC21
eMD520-571G12Mi	PA	ACLA-Spanish	LX.N090Y.002	eMD520-571G12Mi EM VHB32eTEA3 UMAC 1*1G/120/6L/CB_bg_0.3D_ES21
eMD520-571G12Mi	PA	ACLA-Spanish	LX.N090Y.001	eMD520-571G12Mi EM VHB32eTEA1 UMAC 1*1G/120/6L/CB_bg_0.3D_ES21
eMD520-171G12Mi	AAP	Thailand	LX.N090C.017	eMD520-171G12Mi LINPUSeTH1 UMAC 1*1G/120/6L/CB_bg_0.3D_AN_EN11

Model	RO	Country	Acer Part No	Description
eMD520-571G12Mi	PA	Canada	LX.N090Y.026	eMD520-571G12Mi VHB32eTCA2 UMAC 1*1G/120/6L/CB_bg_0.3D_AN_FR31
eMD520-571G12Mi	PA	USA	LX.N090Y.025	eMD520-571G12Mi VHB32eTUS1 UMAC 1*1G/120/6L/CB_bg_0.3D_AN_EN31
eMD520-571G12Mi	PA	ACLA-Portuguese	LX.N090Y.024	eMD520-571G12Mi EM VHB32eTXC2 UMAC 1*1G/120/6L/CB_bg_0.3D_AN_XC21
eMD520-571G12Mi	PA	ACLA-Spanish	LX.N090Y.023	eMD520-571G12Mi EM VHB32eTEA3 UMAC 1*1G/120/6L/CB_bg_0.3D_AN_ES21
eMD520-571G12Mi	PA	ACLA-Spanish	LX.N090Y.022	eMD520-571G12Mi EM VHB32eTEA1 UMAC 1*1G/120/6L/CB_bg_0.3D_AN_ES21
eMD520-570512Mi	AAP	Indonesia	LX.N090C.019	eMD520-570512Mi LINPUSeID1 UMAC 1*512/120/6L/CB_bg_0.3D_AN_ID21
eMD520-570512Ci	AAP	Vietnam	LX.N090C.016	eMD520-570512Ci LINPUSeVN1 UMAC 1*512/120/6L/CB_bg_0.3D_AN_EN11
eMD520-572G12Mi	AAP	India	LX.N090C.026	eMD520-572G12Mi LINPUSeIN1 UMAC 2*1G/120/6L/CB_bg_0.3D_AN_EN11
eMD520-581G12Mi	AAP	India	LX.N090C.025	eMD520-581G12Mi LINPUSeIN1 UMAC 1*1G/120/6L/CB_bg_0.3D_AN_EN11
eMD520-582G25Mi	AAP	India	LX.N090C.024	eMD520-582G25Mi LINPUSeIN1 UMAC 2*1G/250/6L/CB_bg_0.3D_AN_EN11
eMD520-161G12Mi	AAP	India	LX.N090C.023	eMD520-161G12Mi LINPUSeIN1 UMAC 1*1G/120/6L/CB_bg_0.3D_AN_EN11
eMD520-162G25Mi	AAP	India	LX.N090C.022	eMD520-162G25Mi LINPUSeIN1 UMAC 2*1G/250/6L/CB_bg_0.3D_AN_EN11
eMD520-172G25Mi	AAP	India	LX.N090C.021	eMD520-172G25Mi LINPUSeIN1 UMAC 2*1G/250/6L/CB_bg_0.3D_AN_EN11
eMD520-171G12Mi	AAP	India	LX.N090C.020	eMD520-171G12Mi LINPUSeIN1 UMAC 1*1G/120/6L/CB_bg_0.3D_AN_EN11
eMD520-570512Mi	AAP	Vietnam	LX.N090C.018	eMD520-570512Mi LINPUSeVN1 UMAC 1*512/120/6L/CB_bg_0.3D_AN_EN11
eMD720-321G16M	CHINA	China	LX.N130C.001	eMD720-321G16MLINPUSeCN1 UMA 1*1G/160/6L/CB_AN_EN91

Model	CPU	LCD	Mem 1	Mem 2	HDD 1(GB)	ODD	WLAN
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG

Model	CPU	LCD	Mem 1	Mem 2	HDD 1(GB)	ODD	WLAN
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Ci	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NCB24XS	3rd WiFi BG
eMD520-571G12Ci	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NCB24XS	3rd WiFi BG
eMD520-571G12Ci	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NCB24XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG

Model	CPU	LCD	Mem 1	Mem 2	HDD 1(GB)	ODD	WLAN
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG

Model	CPU	LCD	Mem 1	Mem 2	HDD 1(GB)	ODD	WLAN
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-570512Ci	CM575	N14.1WXGAG	SO512MBII6	N	N120GB 5.4KS	NCB24XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO512MBII6	SO512MBII6	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD720-321G12Mi	PMDT 3200	N14.1WXGAG	SO512MBII6	SO512MBII6	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD720-321G12C	PMDT 3200	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NCB24XS	N
eMD720-321G16Mi	PMDT 3200	N14.1WXGAG	SO1GBII6	N	N160GB 5.4KS	NSM8XS	3rd WiFi BG
eMD720-321G16Mi	PMDT 3200	N14.1WXGAG	SO1GBII6	N	N160GB 5.4KS	NSM8XS	3rd WiFi BG
eMD720-322G32Mi	PMDT 3200	N14.1WXGAG	SO2GBII6	N	N320GB 5.4KS	NSM8XS	3rd WiFi BG
eMD720-322G32Mi	PMDT 3200	N14.1WXGAG	SO2GBII6	N	N320GB 5.4KS	NSM8XS	3rd WiFi BG
eMD720-322G32Mi	PMDT 3200	N14.1WXGAG	SO2GBII6	N	N320GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Ci	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NCB24XS	3rd WiFi BG
eMD520-571G12Ci	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NCB24XS	3rd WiFi BG
eMD520-571G12Ci	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NCB24XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG

Model	CPU	LCD	Mem 1	Mem 2	HDD 1(GB)	ODD	WLAN
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG

Model	CPU	LCD	Mem 1	Mem 2	HDD 1(GB)	ODD	WLAN
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-171G12Mi	CMT1700	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-571G12Mi	CM575	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-570512Mi	CM575	N14.1WXGAG	SO512MBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-570512Ci	CM575	N14.1WXGAG	SO512MBII6	N	N120GB 5.4KS	NCB24XS	3rd WiFi BG
eMD520-572G12Mi	CM575	N14.1WXGAG	SO1GBII6	SO1GBII6	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-581G12Mi	CM585	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-582G25Mi	CM585	N14.1WXGAG	SO1GBII6	SO1GBII6	N250GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-161G12Mi	CMT 1600	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-162G25Mi	CMT 1600	N14.1WXGAG	SO1GBII6	SO1GBII6	N250GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-172G25Mi	CMT 1700	N14.1WXGAG	SO1GBII6	SO1GBII6	N250GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-171G12Mi	CMT 1700	N14.1WXGAG	SO1GBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD520-570512Mi	CM575	N14.1WXGAG	SO512MBII6	N	N120GB 5.4KS	NSM8XS	3rd WiFi BG
eMD720-321G16M	PMDT 3200	N14.1WXGAG	SO1GBII6	N	N160GB 5.4KS	NSM8XS	N

Test Compatible Components

This computer's compatibility is tested and verified by Acer's internal testing department. All of its system functions are tested under Windows® XP Home, Windows® XP Pro environment.

Refer to the following lists for components, adapter cards, and peripherals which have passed these tests. Regarding configuration, combination and test procedures, please refer to the eMachines D720/D520 Series Compatibility Test Report released by the Acer Mobile System Testing Department.

Microsoft® Windows® Vista Environment Test

Vendor	Type	Description
Adapter Test		
F0000183 DELTA CN	65W	Adapter DELTA 65W 1.7x5.5x11 SADP-65KB DFA LF level 4
F0000183 DELTA CN	65W-DE	Adapter DELTA 65W 1.7x5.5x11 SADP-65KB BFJA LV4 LF for OBL only
10001023 LITE-ON	65W	Adapter LITE-ON 65W 1.7x5.5x11 PA-1650-02AC LF level 4
60002015 HIPRO	65W	Adapter HIPRO 65W 19V 1.7x5.5x11 Yellow HP-OK065B13 LED LF level 4
Audio Codec		
9999995 ONE TIME VENDER	ALC268	ALC268
Battery Test		
60001921 SANYO	6CELL2.2	Battery SANYO AS-2007A Li-Ion 3S2P SANYO 6 cell 4400mAh Main COMMON Normal Type
10001063 SONY	6CELL2.2	Battery SONY AS-2007A Li-Ion 3S2P SONY 6 cell 4400mAh Main COMMON Normal Type
60001535 PANASONIC	6CELL2.2	Battery PANASONIC AS-2007A Li-Ion 3S2P PANASONIC 6 cell 4400mAh Main COMMON PSS
60002162 SIMPLO	6CELL2.2	Battery SIMPLO AS-2007A Li-Ion 3S2P PANASONIC 6 cell 4400mAh Main COMMON PSS
60002162 SIMPLO	6CELL2.4	Battery SIMPLO AS-2007A Li-Ion 3S2P SAMSUNG 6 cell 2400mAh 2nd COMMON
60002162 SIMPLO	6CELL2.2	Battery SIMPLO AS-2007A Li-Ion 3S2P SAMSUNG 6 cell 4400mAh Main COMMON SDI 2.2mAh F type
Bluetooth Test		
9999995 ONE TIME VENDER	BT 2.0	Foxconn Bluetooth FOX_BRM_2.0 F/W 300
Camera Test		
9999995 ONE TIME VENDER	0.3M DV	Bison 0.3M DV Lotus_2
9999995 ONE TIME VENDER	0.3M DV	Suyin 0.3M DV Camellia_2
Card Reader Test		
9999995 ONE TIME VENDER	5 in 1-Build in	5 in 1-Build in MS, MS Pro, SD, SC, XD
9999995 ONE TIME VENDER	JMB385	JMicron JMB385 Card Reader: SD/MMC/MS/MS Duo/ MS-HG (1/4/8-bit) & xD (PCI Express)
9999995 ONE TIME VENDER	JMB385	JMicron JMB385 Card Reader: SD/MMC/MS/MS Duo/ MS-HG (1/4/8-bit) & xD (PCI Express)

Vendor	Type	Description
9999995 ONE TIME VENDER	JMB385	JMicron JMB385 Card Reader: SD/MMC/MS/MS Duo/ MS-HG (1/4/8-bit) & xD (PCI Express)
CPU Test		
10001067 INTEL	C2DP8400	CPU Intel Core2Dual P8400 PGA 2.26G 3M 1066 25W
10001067 INTEL	C2DP8600	CPU Intel Core2Dual P8600 PGA 2.4G 1066 25W 3M
10001067 INTEL	C2DT9400	CPU Intel Core2Dual T9400 PGA 2.53G 6M 1066 35W
10001067 INTEL	C2DP9500	CPU Intel Core2Dual P9500 PGA 2.53G 6M 1066 25W
10001067 INTEL	C2DT9600	CPU Intel Core2Dual T9600 PGA 2.8G 6M 1066 35W
10001067 INTEL	MVPQS	CPU Intel Core2Dual QS Montevina Penryn QS sample
10001067 INTEL	CM575	CPU Intel Celeron 575 PGA 2.0G 1M 667 MV
10001067 INTEL	CM585	CPU Intel Celeron 585 PGA 2.16G 1M 667 MV
10001067 INTEL	PMDT3400	CPU Intel Pentium Dual-Core T3400 PGA 2.16G 1M 667 MV
10001067 INTEL	CMT1600	CPU Intel CeleronM T1600 1.66G 1M 667 Dual Core, MV
10001067 INTEL	CMT1700	CPU Intel CeleronM T1700 PGA 1.83G 1M 667 Dual Core, MV
10001067 INTEL	PMDT3200	CPU Intel Pentium Dual-Core T3200 2.0G 1M 667 MV
10001067 INTEL	C2DP8600	CPU Intel Core2Dual P8600 PGA 2.4G 1066 25W 3M
10001067 INTEL	C2DP8600	CPU Intel Core2Dual P8600 PGA 2.4G 1066 25W 3M
10001067 INTEL	C2DT9400	CPU Intel Core2Dual T9400 PGA 2.53G 6M 1066 35W
10001067 INTEL	C2DT9400	CPU Intel Core2Dual T9400 PGA 2.53G 6M 1066 35W
10001067 INTEL	C2DP9500	CPU Intel Core2Dual P9500 PGA 2.53G 6M 1066 25W
10001067 INTEL	C2DP9500	CPU Intel Core2Dual P9500 PGA 2.53G 6M 1066 25W
10001067 INTEL	C2DT9600	CPU Intel Core2Dual T9600 PGA 2.8G 6M 1066 35W
10001067 INTEL	C2DT9600	CPU Intel Core2Dual T9600 PGA 2.8G 6M 1066 35W
10001067 INTEL	MVPQS	CPU Intel Core2Dual QS Montevina Penryn QS sample
10001067 INTEL	MVPQS	CPU Intel Core2Dual QS Montevina Penryn QS sample

Vendor	Type	Description
HDD Test		
60002005 HGST SG	N120GB5.4KS	HDD HGST 2.5" 5400rpm 120GB HTS542512K9SA00 Bronco-B SATA II LF F/W:C31P
60002005 HGST SG	N120GB5.4KS	HDD HGST 2.5" 5400rpm 120GB HTS543212L9A300 Falcon-B SATA LF F/W:C40C
60001994 WD	N120GB5.4KS	HDD WD 2.5" 5400rpm 120GB WD1200BEVS-22UST0 ML125 SATA LF F/W:01.01A01
60002036 SEAGATE	N160GB5.4KS	HDD SEAGATE 2.5" 5400rpm 160GB ST9160827AS Corsair SATA LF F/W:3.AAA
60002036 SEAGATE	N160GB5.4KS	HDD SEAGATE 2.5" 5400rpm 160GB ST9160310AS Crockett SATA LF F/W:0303
60001922 TOSHIBA DIGI	N160GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 160GB MK1646GSX Leo BS SATA I LF F/W:LB113J
60002036 SEAGATE	N120GB5.4KS	HDD SEAGATE 2.5" 5400rpm 120GB ST9120817AS Corsair SATA LF F/W:3.AAA
60001922 TOSHIBA DIGI	N120GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 120GB MK1246GSX Leo BS SATA I LF F/W:LB213J
60001922 TOSHIBA DIGI	N120GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 120GB MK1252GSX Virgo BS SATA LF F/W:LV010J
60001922 TOSHIBA DIGI	N250GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 250GB MK2546GSX Leo BS SATA I LF F/W:LB013J
60002005 HGST SG	N250GB5.4KS	HDD HGST 2.5" 5400rpm 250GB HTS542525K9SA00 Bronco-B SATA II LF F/W:C31P
60002005 HGST SG	N160GB5.4KS	HDD HGST 2.5" 5400rpm 160GB HTS542516K9SA00 Bronco-B SATA II LF F/W:C31P
60002005 HGST SG	N160GB5.4KS	HDD HGST 2.5" 5400rpm 160GB HTS543216L9A300 Falcon-B SATA LF F/W:C40C
60001994 WD	N160GB5.4KS	HDD WD 2.5" 5400rpm 160GB WD1600BEVT-22ZCTO ML160 SATA LF F/W:11.01A11
60002036 SEAGATE	N250GB5.4KS	HDD SEAGATE 2.5" 5400rpm 250GB ST9250827AS Corsair SATA LF F/W:3.AAA
60001994 WD	N250GB5.4KS	HDD WD 2.5" 5400rpm 250GB WD2500BEVS-22UST0 ML125 SATA LF F/W:01.01A01
60002036 SEAGATE	N320GB5.4KS	HDD SEAGATE 2.5" 5400rpm 320GB ST9320320AS Crockett SATA LF F/W:0303
60002005 HGST SG	N320GB5.4KS	HDD HGST 2.5" 5400rpm 320GB HTS543232L9A300 Falcon-B SATA LF F/W:C40C
60001994 WD	N320GB5.4KS	HDD WD 2.5" 5400rpm 320GB WD3200BEVT-22ZCT0 ML160 SATA LF F/W:11.01A11
60001994 WD	N250GB5.4KS	HDD WD 2.5" 5400rpm 250GB WD2500BEVT-22ZCT0 ML160 SATA LF F/W:11.01A11
60001922 TOSHIBA DIGI	N320GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 320GB MK3252GSX Virgo BS SATA LF F/W:LV010J
60001922 TOSHIBA DIGI	N160GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 160GB MK1652GSX Virgo - BS SATA LF F/W:LV010J

Vendor	Type	Description
60001922 TOSHIBA DIGI	N250GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 250GB MK2546GSX Leo BS SATA I LF F/W:LB013J
60001922 TOSHIBA DIGI	N250GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 250GB MK2546GSX Leo BS SATA I LF F/W:LB013J
60002005 HGST SG	N250GB5.4KS	HDD HGST 2.5" 5400rpm 250GB HTS542525K9SA00 Bronco-B SATA II LF F/W:C31P
60001994 WD	N250GB5.4KS	HDD WD 2.5" 5400rpm 250GB WD2500BEVS-22UST0 ML125 SATA LF F/W:01.01A01
60001994 WD	N250GB5.4KS	HDD WD 2.5" 5400rpm 250GB WD2500BEVS-22UST0 ML125 SATA LF F/W:01.01A01
60002005 HGST SG	N250GB5.4KS	HDD HGST 2.5" 5400rpm 250GB HTS542525K9SA00 Bronco-B SATA II LF F/W:C31P
60001922 TOSHIBA DIGI	N250GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 250GB MK2552GSX Virgo BS SATA LF F/W:LV010J
60001994 WD	N120GB5.4KS	HDD WD 2.5" 5400rpm 120GB WD1200BEVT-22ZCT0 ML160 SATA LF F/W: 11.01A11
60002005 HGST SG	N250GB5.4KS	HDD HGST 2.5" 5400rpm 250GB HTS543225L9A300 Falcon-B SATA LF F/W:C40C
60001922 TOSHIBA DIGI	N120GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 120GB MK1246GSX Leo BS SATA I LF F/W:LB213J
60002005 HGST SG	N120GB5.4KS	HDD HGST 2.5" 5400rpm 120GB HTS542512K9SA00 Bronco-B SATA II LF F/W:C31P
60002005 HGST SG	N120GB5.4KS	HDD HGST 2.5" 5400rpm 120GB HTS542512K9SA00 Bronco-B SATA II LF F/W:C31P
60002036 SEAGATE	N160GB5.4KS	HDD SEAGATE 2.5" 5400rpm 160GB ST9160827AS Corsair SATA LF F/W:3.AAA
60001922 TOSHIBA DIGI	N120GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 120GB MK1246GSX Leo BS SATA I LF F/W:LB213J
60001922 TOSHIBA DIGI	N160GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 160GB MK1646GSX Leo BS SATA I LF F/W:LB113J
60001922 TOSHIBA DIGI	N160GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 160GB MK1646GSX Leo BS SATA I LF F/W:LB113J
60002005 HGST SG	N160GB5.4KS	HDD HGST 2.5" 5400rpm 160GB HTS542516K9SA00 Bronco-B SATA II LF F/W:C31P
60002005 HGST SG	N160GB5.4KS	HDD HGST 2.5" 5400rpm 160GB HTS542516K9SA00 Bronco-B SATA II LF F/W:C31P
60002036 SEAGATE	N160GB5.4KS	HDD SEAGATE 2.5" 5400rpm 160GB ST9160827AS Corsair SATA LF F/W:3.AAA
LAN Test		
9999995 ONE TIME VENDER	RTL8111C	Realtek Lan RTL8111C

Vendor	Type	Description
LCD Test		
60003316 AUO	N14.1WXGAG	LCD AUO 14.1" WXGA Glare B141EW04-V4 LF 200nit 16ms
60002215 SAMSUNG	N14.1WXGAG	LCD SAMSUNG 14.1" WXGA Glare LTN141W3-L01-J L6 LF 200nit 16ms
60003089 LG	N14.1WXGAG	LCD LPL 14.1" WXGA Glare LP141WX3-TLN1 LF 200nit 16ms
10001038 CMO	N14.1WXGAG	LCD CMO 14.1" WXGA Glare N141I3-L02 LF 200nit 10ms
Memory Test		
60002045 HYNIX	SO2GBII6	Memory HYNIX SO-DIMM DDRII 667 2GB HYMP125S64CP8-Y5 LF
60001993 NANYA	SO512MBII6	Memory NANYA SO-DIMM DDRII 667 512MB NT512T64UH8B0FN-3C LF 32*16 0.09um
60002215 SAMSUNG	SO512MBII6	Memory SAMSUNG SO-DIMM DDRII 667 512MB M470T6464QZ3-CE6 LF
60002045 HYNIX	SO512MBII6	Memory HYNIX SO-DIMM DDRII 667 512MB HYMP164S64CP6-Y5 LF 64*16 0.065um
60001993 NANYA	SO1GBII6	SO-DIMM DDRII 667 1GB NT1GT64U8HB0BN-3C (0.09U)
60001993 NANYA	SO1GBII6	Memory NANYA SO-DIMM DDRII 667 1GB NT1GT64UH8D0FN-3C LF 64*16 0.07um
60002215 SAMSUNG	SO1GBII6	Memory SAMSUNG SO-DIMM DDRII 667 1GB M470T2864QZ3-CE6 LF
60002045 HYNIX	SO1GBII6	Memory HYNIX SO-DIMM DDRII 667 1GB HYMP112S64CP6-Y5 LF
60001993 NANYA	SO2GBII6	Memory NANYA SO-DIMM DDRII 667 2GB NT2GT64U8HD0BN-3C LF 128*8 0.07um
60002215 SAMSUNG	SO2GBII6	Memory SAMSUNG SO-DIMM DDRII 667 2GB M470T5663QZ3-CE6 LF
Modem Test		
23707801 FOXCONN TW	Fox+LSI AM5 V2H 1.5_3.3V	Foxconn Delphi-AM5 V2H 1.5_3.3v T60M951
23707801 FOXCONN TW	Fox+Con MC4Z 1.5_3.3V	Foxconn Conexant -Unizion 1.5_3.3v T60M955.02
23707801 FOXCONN TW	Fox+LSI AM5 V2 3.3V Aus	Foxconn Delphi-AM5 V2 3.3v Aus T60M951.3x
Northbridge Chipset Test		
10001067 INTEL	GL40	NB Chipset Intel CS GL40NB
ODD Test		
60001922 TOSHIBA DIGI	NCB24XS	ODD TOSHIBA COMBO 12.7mm Tray DL 24X TS-L463A LF W/O bezel SATA
10001063 SONY	NCB24XS	ODD SONY COMBO 12.7mm Tray DL 24X CRX890S LF W/O bezel SATA

Vendor	Type	Description
60001922 TOSHIBA DIGI	NSM8XS	ODD TOSHIBA Super-Multi DRIVE 12.7mm Tray DL 8X TS-L633A LF W/O bezel SATA
60001939 PIONEER	NSM8XS	ODD PIONEER Super-Multi DRIVE 12.7mm Tray DL 8X DVR-TD08RS LF W/O bezel SATA
23418669 HLDS	NSM8XS	ODD HLDS Super-Multi DRIVE 12.7mm Tray DL 8X GSA-T50N LF W/O bezel SATA
23418669 HLDS	NSM8XS	ODD HLDS Super-Multi DRIVE 12.7mm Tray DL 8X GSA-T50N LF W/O bezel SATA Malaysia
10001063 SONY	NSM8XS	ODD SONY Super-Multi DRIVE 12.7mm Tray DL 8X AD-7560S LF W/O bezel SATA
10001070 PHILIPS	NSM8XS	ODD PLDS Super-Multi DRIVE 12.7mm Tray DL 8X DS-8A2S LF W/O bezel SATA
Southbridge Chipset Test		
10001067 INTEL	ICH9M	SB Chipset Intel CS ICH9M
WLAN Test		
23707801 FOXCONN TW	3rd WiFi BG	Foxconn FOX_ATH_XB63 Foxconn Atheros XB63 minicard b/g
9999995 ONE TIME VENDER	3rd WiFi BG	Foxconn Wireless LAN Broadcom 4312 minicard b/g
9999995 ONE TIME VENDER	3rd WiFi 1x2 BGN	Foxconn Wireless LAN Atheros AR5B91 1x2 BGN
9999995 ONE TIME VENDER	3rd WiFi 1x2 BGN	Foxconn Wireless LAN Wireless LAN Ralink RT2700E 1x2 BGN

Online Support Information

This section describes online technical support services available to help you repair your Acer Systems.

If you are a distributor, dealer, ASP or TPM, please refer your technical queries to your local Acer branch office. Acer Branch Offices and Regional Business Units may access our website. However some information sources will require a user i.d. and password. These can be obtained directly from Acer CSD Taiwan.

Acer's Website offers you convenient and valuable support resources whenever you need them.

In the Technical Information section you can download information on all of Acer's Notebook, Desktop and Server models including:

- Service guides for all models
- User's manuals
- Training materials
- Bios updates
- Software utilities
- Spare parts lists
- TABs (Technical Announcement Bulletin)

For these purposes, we have included an Acrobat File to facilitate the problem-free downloading of our technical material.

Also contained on this website are:

- Detailed information on Acer's International Traveler's Warranty (ITW)
- Returned material authorization procedures
- An overview of all the support services we offer, accompanied by a list of telephone, fax and email contacts for all your technical queries.

We are always looking for ways to optimize and improve our services, so if you have any suggestions or comments, please do not hesitate to communicate these to us.

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