

Acer Aspire One AOA150-1570 Disassembly

Model

The Acer Aspire One AOA150-1570 is the model with the 120GB hard drive (not the Flash drive) and 1GB RAM with Windows XP.

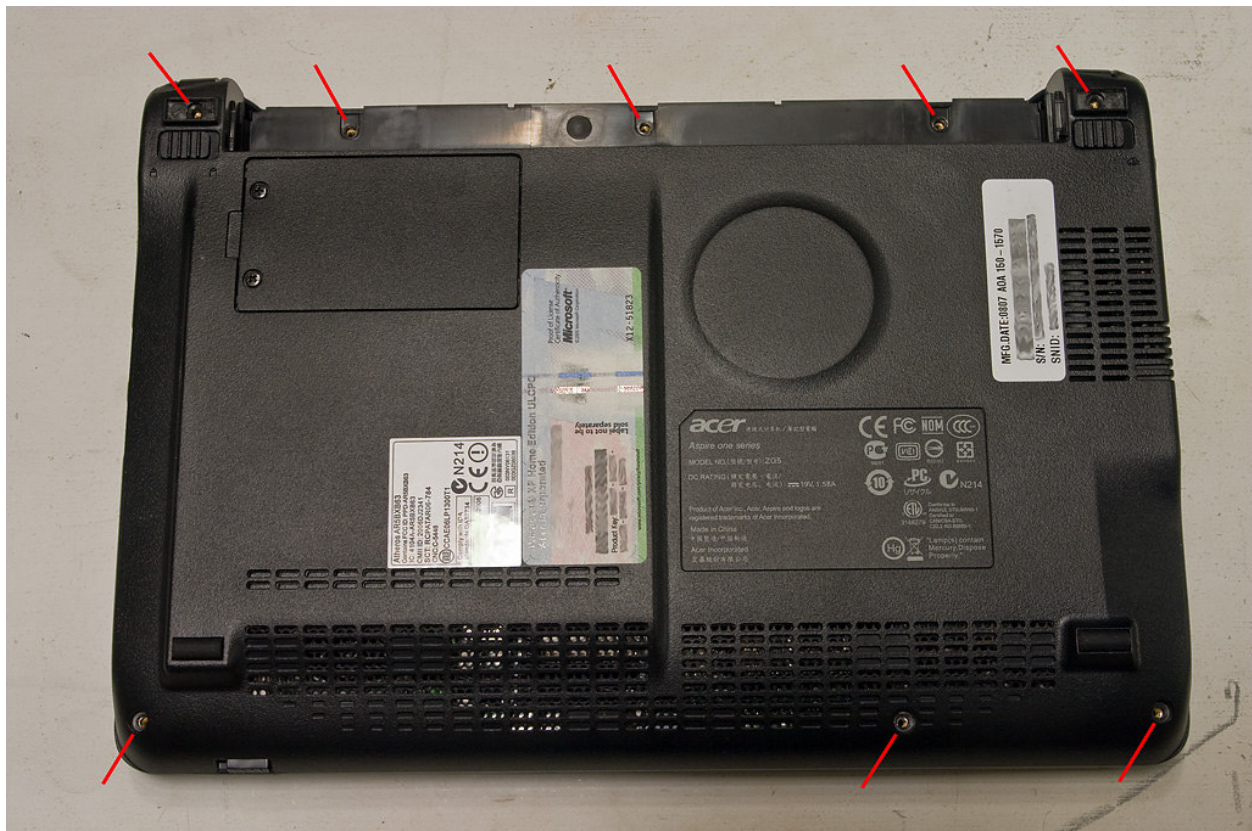
Disassembly

Beware of the ESD (ElectroStatic Discharge) hazard. Wear a grounding wrist strap.

Remove the **battery**.

Remove the **6 screws** from the bottom of the case. There are 3 across the front and 3 in the battery compartment.

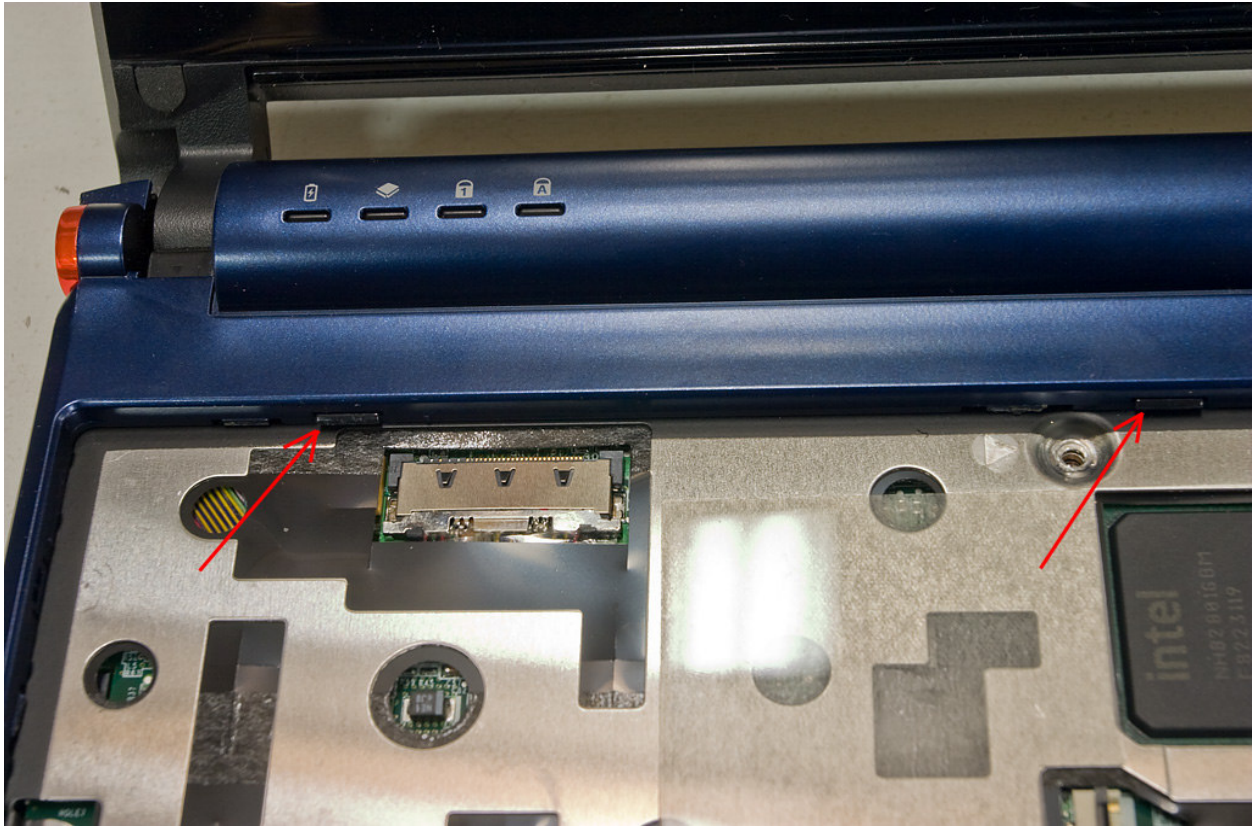
Pry up the 2 rear **rubber feet** and remove the **2 screws** underneath them. Stick the feet to the battery for safekeeping.



Bottom of machine with locations of screws marked

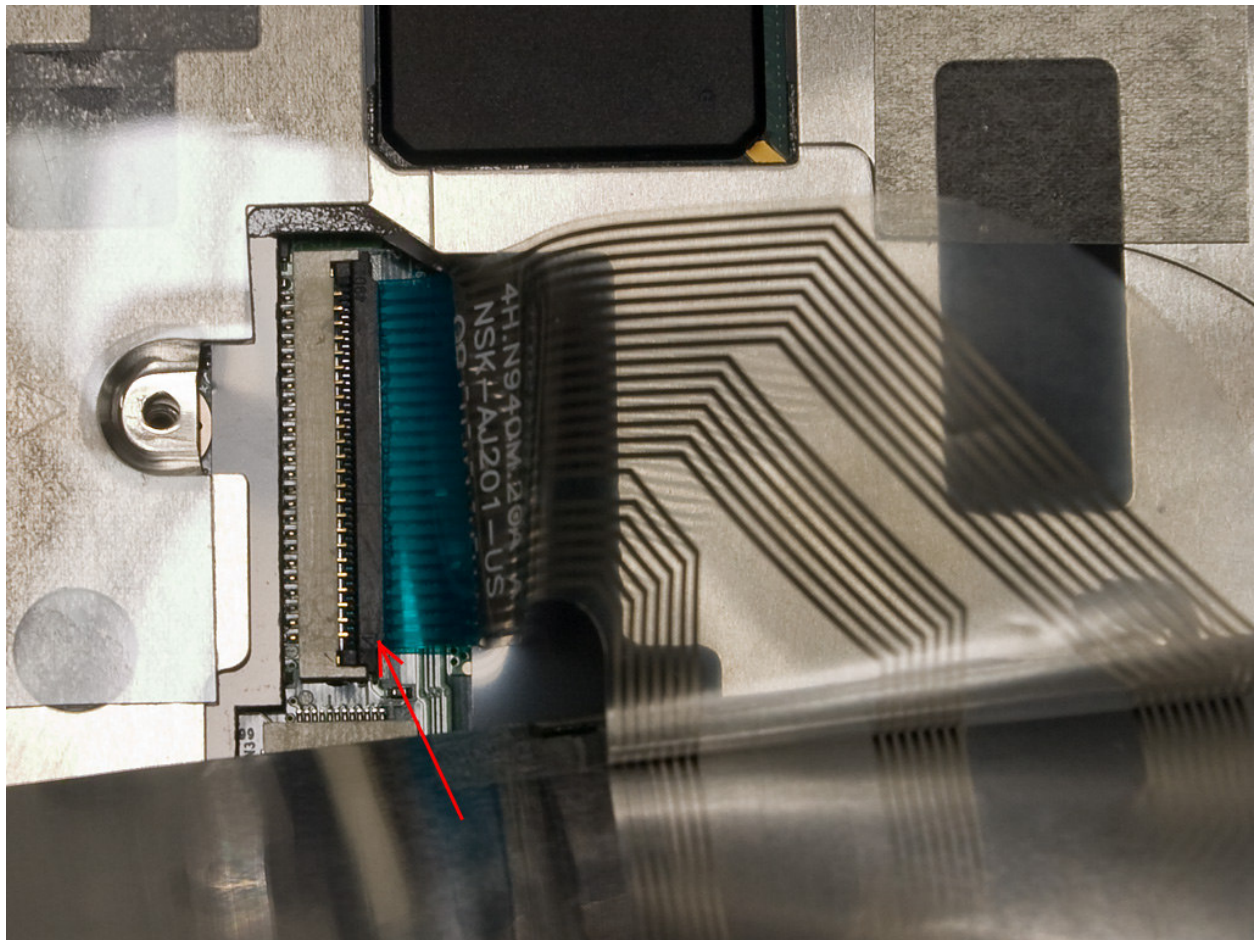
Note: The 3 short screws go in the battery compartment.

Remove the **keyboard**. There are 3 locking tabs at the top of the keyboard, in the top cover, sticking out over the edge of the keyboard. Press them toward the back of the machine with a small flat screwdriver. Gently pry the keyboard up from the top. Be careful not to pop off any keycaps. There are small nibs holding it in place on the sides, and they will resist removal. Be careful of the keyboard cable.



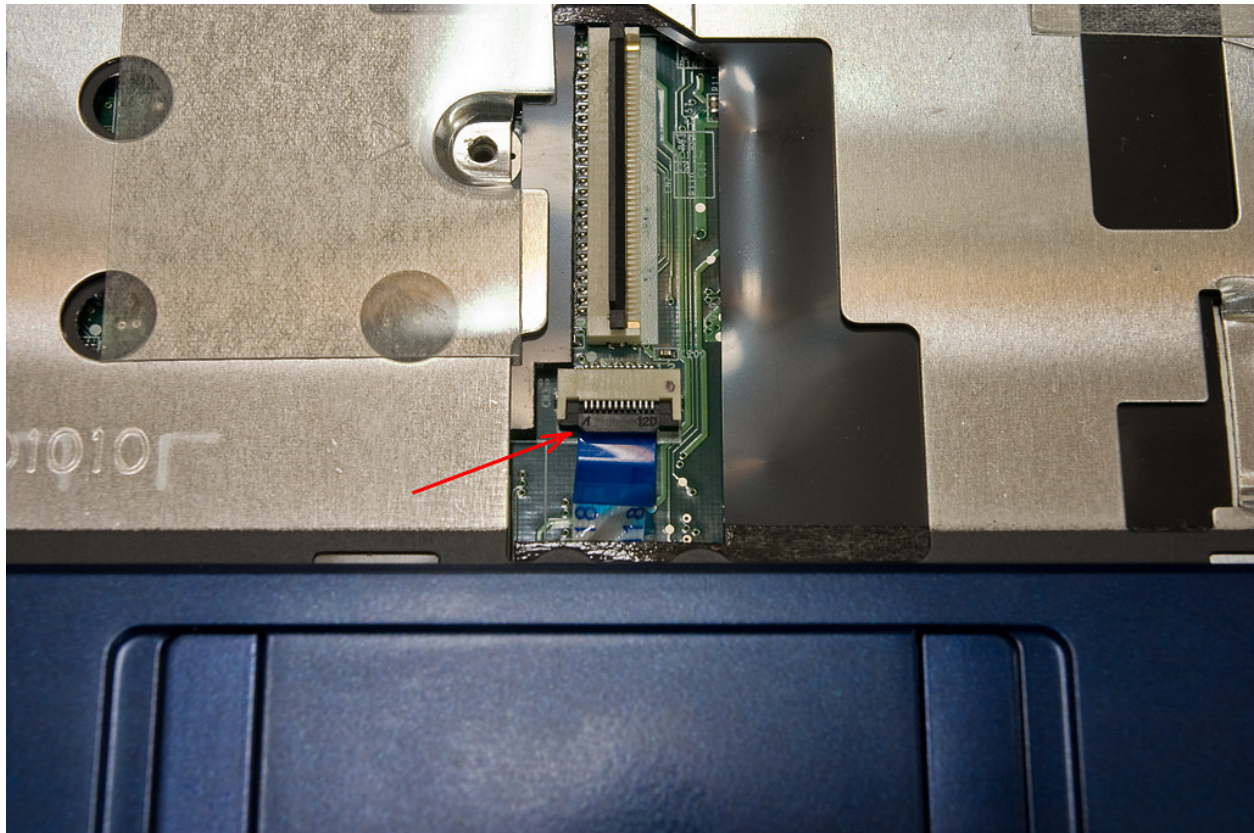
Keyboard locking tabs.

When the keyboard comes up, disconnect the **keyboard cable** by gently pulling up on the right edge of the black cable lock (near the blue part of the cable). When it rotates up, the cable can be pulled free. Lift out the keyboard.



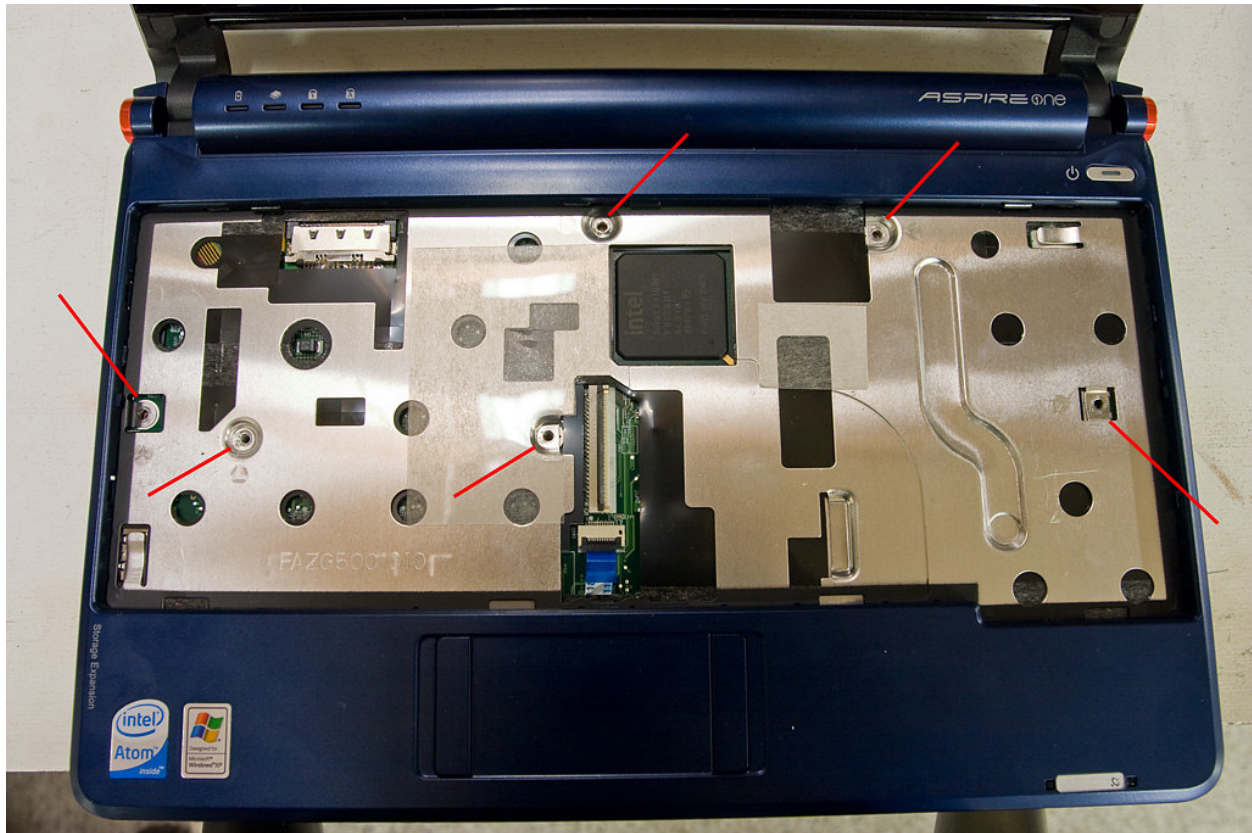
Keyboard cable connector

Disconnect the **touchpad cable**, which is a smaller version of the keyboard connector, by lifting the black lock mechanism.



Touchpad cable connector

Remove the 6 screws holding the top cover down. Keep track of which screws go where. There are some different sizes.



Screw locations in top cover.

There are also locking tabs around the edge of the top cover. You will have to pry it up to get it started. Remove the **top cover** by tilting up the touchpad end and pulling it toward you.

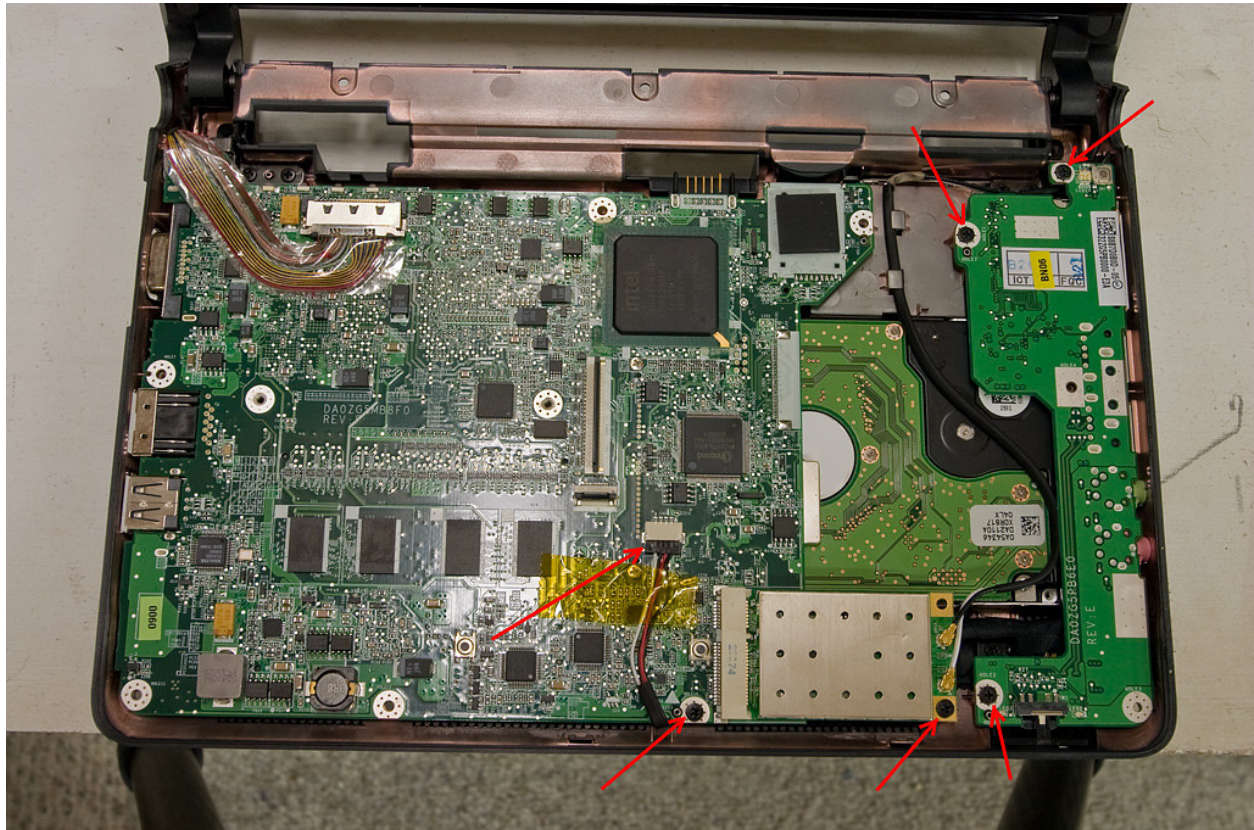
Again, take note of which screws go where.

Remove the 1 screw holding the **wireless card** (the small board in the front). Tilt the wireless card up and remove it from its socket. You do not need to disconnect the antenna wires.

Remove the 1 screw holding the **mainboard** (the large board on the left).

Remove the 3 screws holding the **I/O card** (the narrow board on the right).

Slowly pull up the yellow tape holding the **speaker cable** (speedy separation = ESD hazard). Disconnect the speaker cable (the one coming up from the front). It can be pretty tight. Rock it gently.



Main board, I/O board, and WIFI card screw locations, and speaker cable connector.

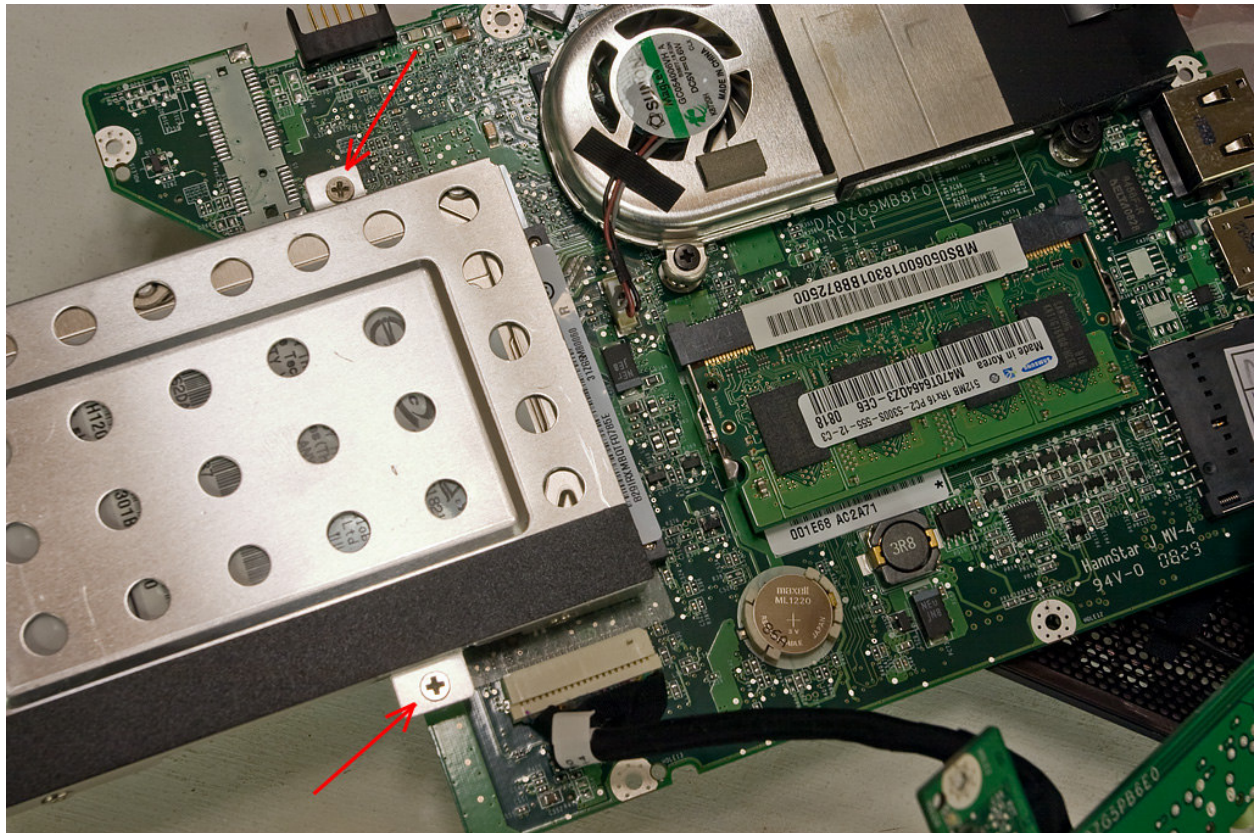
Lift the **I/O card** and the **WIFI card** out of the way. Lift the front edge of the **mainboard** and pull it toward you to get it out from under the left rear tab (under the LCD cable). The **hard drive** will come with it. You can leave the LCD cable in place (the wide ribbon at the left rear). Flip them over.



Boards flipped over

On the back of the mainboard you will find the **RAM socket** and the **Hard Disk**.

The 120GB SATA hard drive is attached to the mainboard with 2 screws. It is also enclosed in a shell attached with 4 screws.



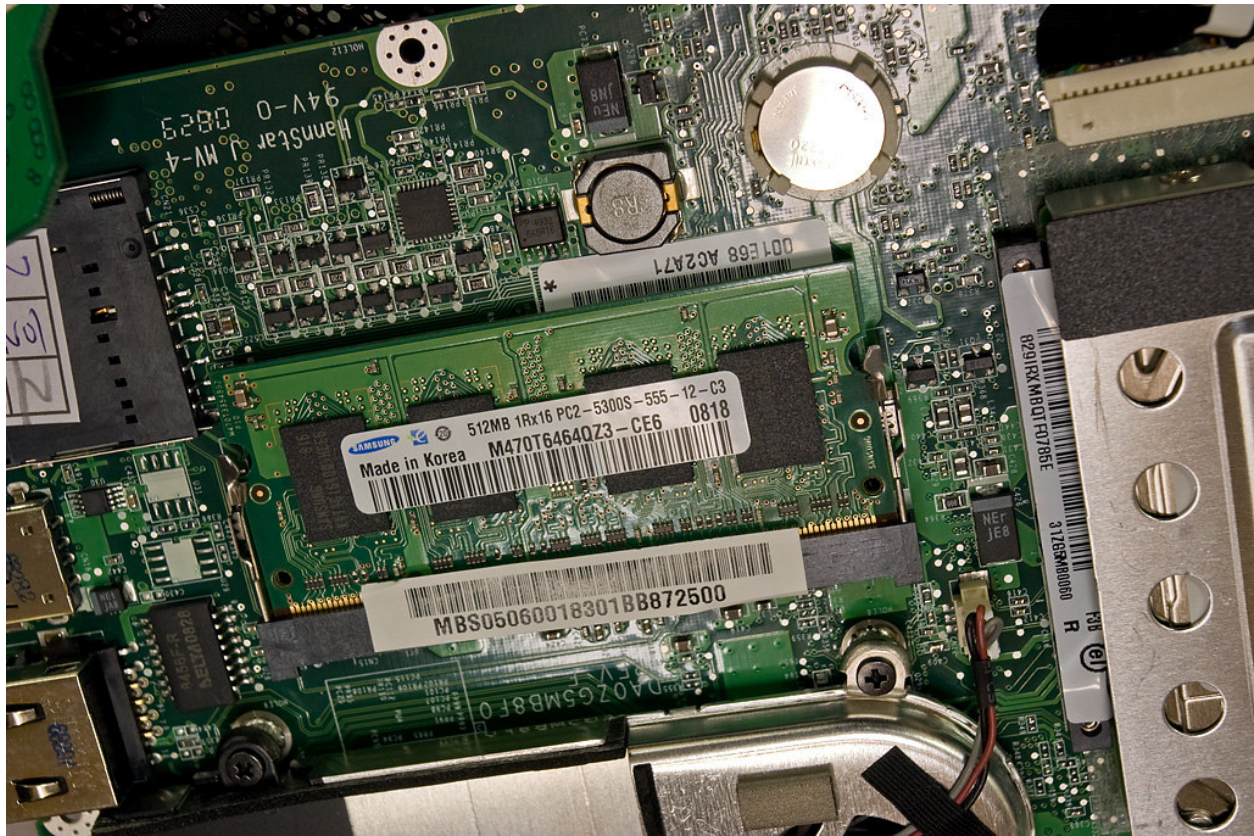
Hard drive enclosure with attaching screws, and RAM socket

If you are changing the hard drive, remove the 2 screws holding the enclosure in place, and then pull the drive from the SATA socket. Remove the 4 screws holding the enclosure to the drive.

If you are adding RAM, the socket is easily accessible. This computer has 512MB soldered to the top of the board and a 512MB SODIMM in the socket on the bottom of the board.

Just for Information

The RAM looks like this. You can zoom in to 200% to see the details (the image is higher resolution than it appears here).



The RAM stick

The Hard Drive looks like this. You can zoom in to 200% to see the details (the image is higher resolution than it appears here).

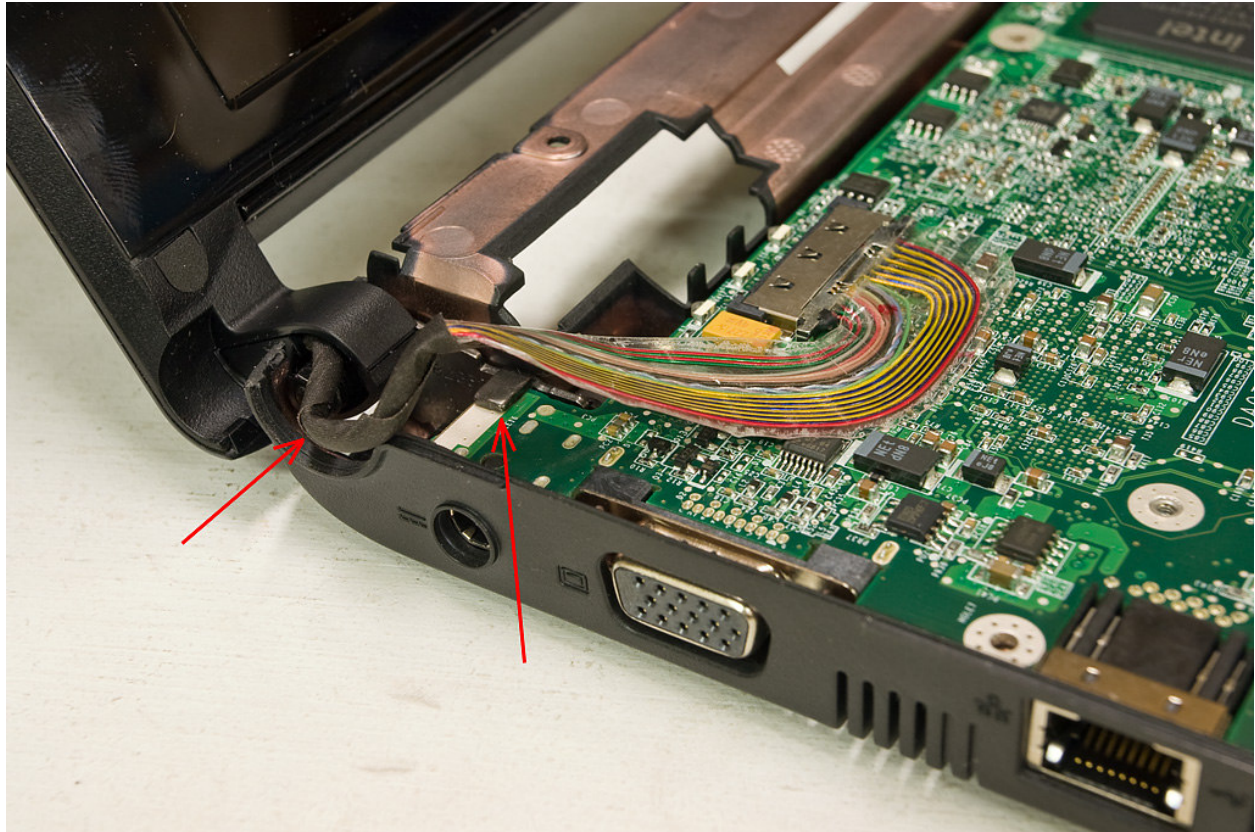


The hard drive and its enclosure

Reassembly

Assembly is the exact reverse of the disassembly procedure, but with a couple of cautions.

When you replace the **mainboard** be sure to slip it UNDER the clip at the left rear under the LCD cable.



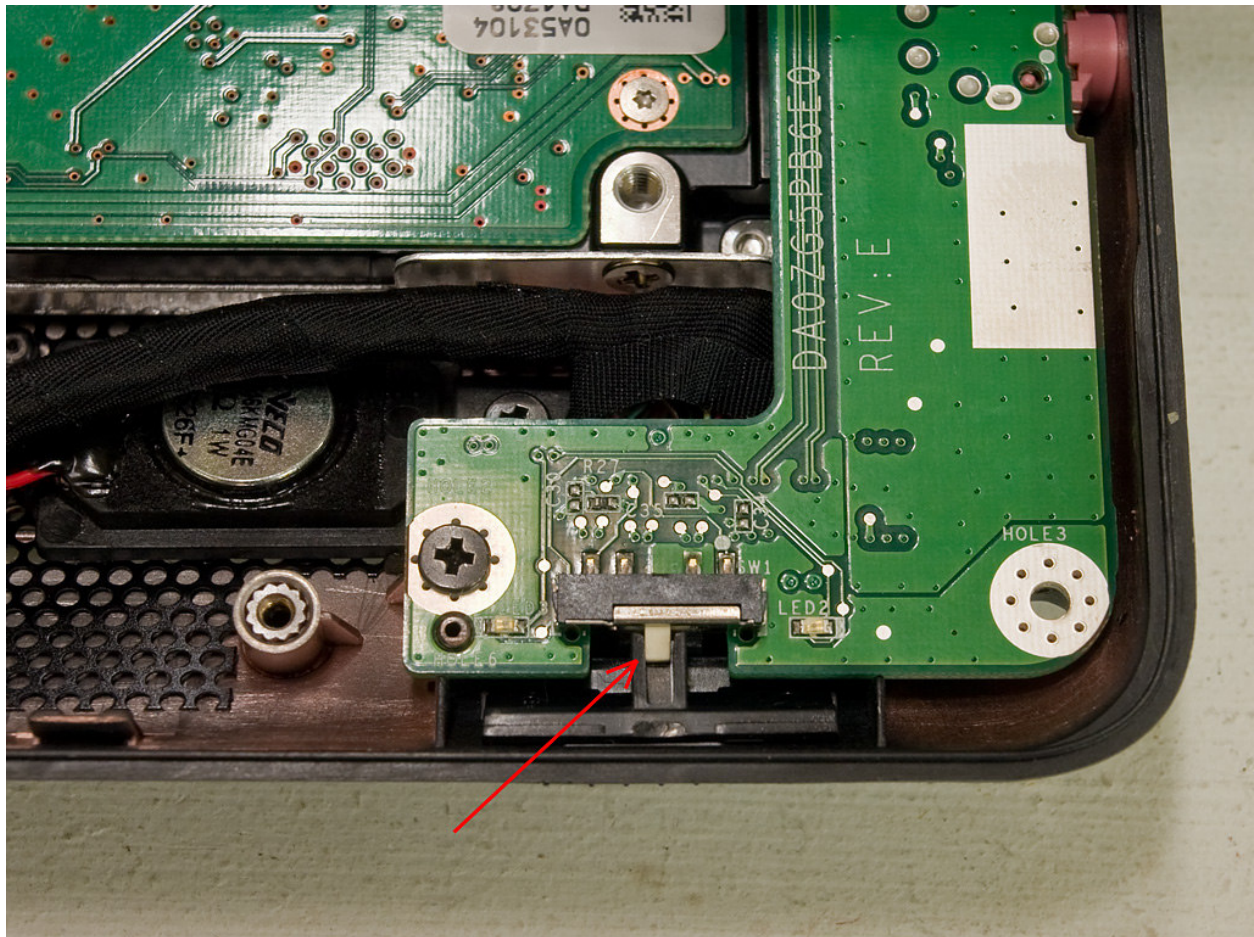
Metal clip over mainboard, and LCD cable

Once the mainboard is in place, tuck the **LCD cable** back down into its spot.

Bring the **speaker cable** up over the front of the mainboard. Reconnect it and then put the yellow tape back in place.

When reinstalling the **WIFI board**, reroute the antenna wires into their proper place so they don't interfere with anything else. See the photo in the disassembly section above.

When reinstalling the I/O board, carefully align the **WIFI switch** to sit in the switch extender.



WIFI switch (white tab) sitting in switch extender (black channel)

When replacing the **top cover**, tilt the back down so it will slip under the LCD hinges. Lower the front into place. There are small tabs all around the cover which help hold it in place. Be sure these tabs all latch into place before screwing it down. Look at the photos shown in the disassembly section for the screw locations.

When reinstalling the **touchpad** and **keyboard cables**, make sure the cable seats all the way into position before lowering the black lock bar.

When reinstalling the **keyboard** place the spacebar edge of the keyboard in place first. It has tabs which must go under the edge before the rest of the keyboard can drop into place. Gently press the top of the keyboard down until the 3 latching tabs pop into place.

When reinstalling the screws on the bottom, the short ones go in the battery compartment.

Don't forget to get the feet from where you stored them (on the battery, perhaps) and put them back in place.