Kyle Millican's
Guide for repairing charger plug on Advent 6418XP & Gericom Webgine.

I bought the laptop from PCWORLD about 2 years ago, the machine worked perfectly until I accidentally stood on the charger wire when I was moving the laptop! I thought that was the end of its life there and then, because most other laptop computers I tried to repair all went horribly wrong!

As the battery was coming to the end of its charge, there was no way possible I could find a way to recharge it.
So, when I realized I had absolutely nothing to loose, I got out the trusty old tool kit!

I was very surprised to find that the machine was very easy to take apart, so on I went! Like all repairs of this sort there were a few nightmares along the way.
The first of these were the PCMCIA Cardbus socket didn't work after the first attempt. Then there was the DVD-ROM drive, I broke the plastic front off the outer casing, but no mechanical damage luckily!
All of these little minor mishaps can be avoided as I found out in the end by just taking your time and persevere with the work that follows, because it is a real shock to get the bill after taking a laptop to a computer shop to get repaired, especially PCWORLD!

Here is how I did it

First take the hard disk out, there is a little screw in the outer case, then two more in the hard disk bay.

Then take out the processor cooling fan and heatsink, be VERY careful when removing this as there is a very small wire for the fan, damage to this vital wire will cause your processor to cook
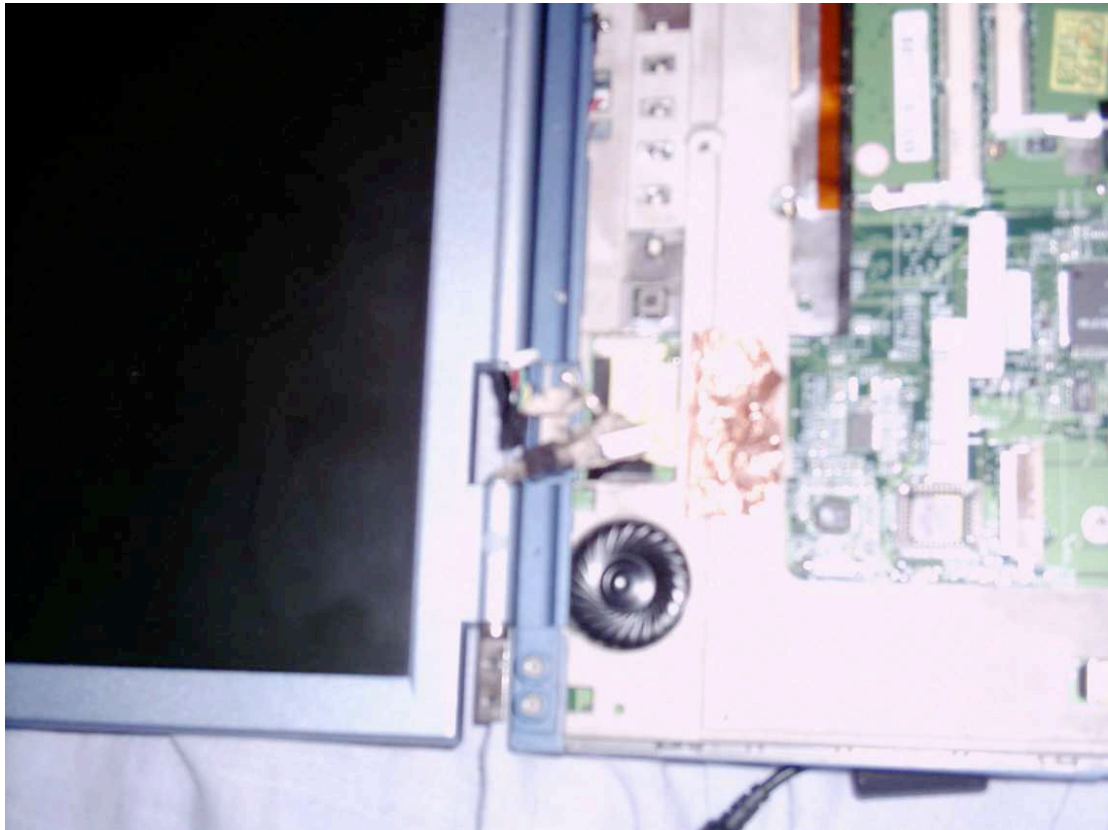
and go into a meltdown!

Next remove the keyboard, there are three little clips at the bottom of the keyboard, there sprung clips, so just push a small knife in there and they'll just pop right out, Easy.

There is a little ribbon under there, just remove this and the silver heat plate under that.

Now remove the screen, pop out the blue cap under the screen, thus revealing the wires under the copper tape. Just place the knife under the lugs on the sides of the plastic clips and keep the plugs straight as you pull them out of the sockets. Then there is a little earth strap, remove the screw. Then with the screen lying flat and parallel with the base of the unit, remove the four

screws at the end of the screen mounting brackets.

Now, remove all the screws under the base unit, there is one hiding under the battery too. Then pull out the DVD-ROM drive and then the whole machine "should" lift out the outer casing, be sure to look for more screws that you may have missed out. They are some securing mounts on the ports at the back of the unit, remove these with a small spanner or pointed nosed pliers like I did.
 Now, with the grey plastic case away from the motherboard, remove the metal heat shield from around the board, you may have to slice the tape from the side of the metal first, I did.
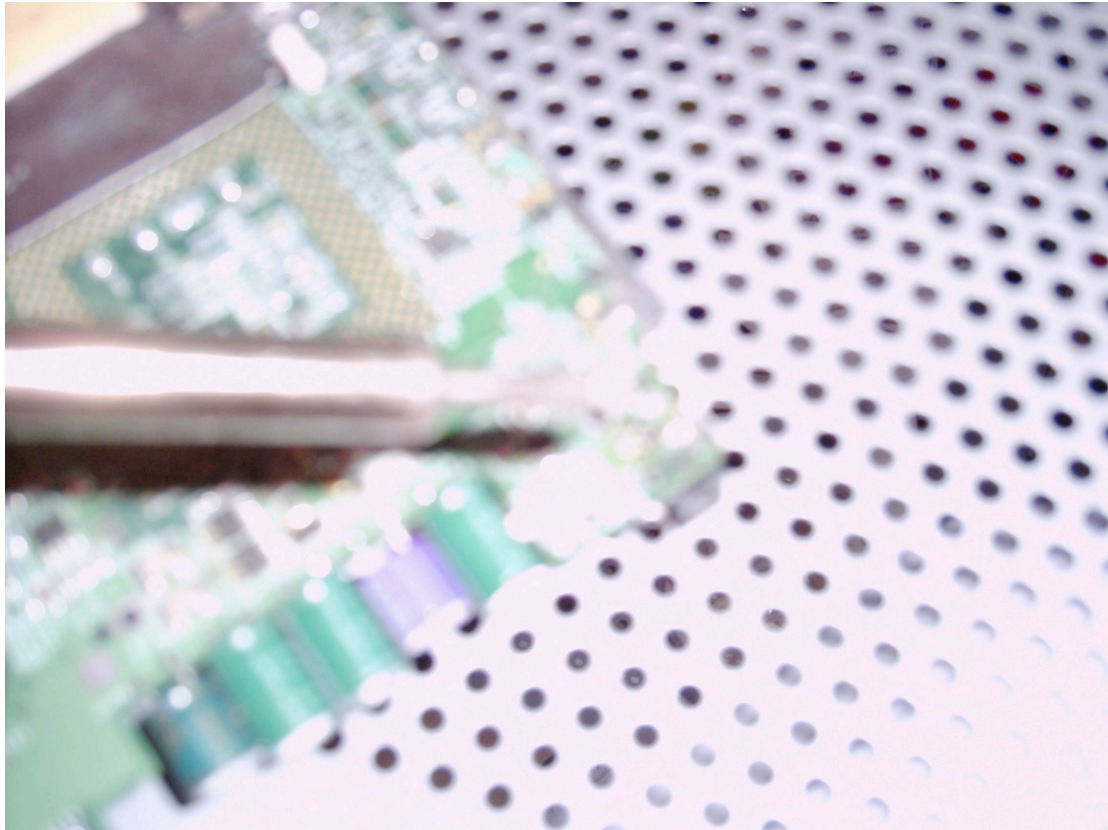
Now your ready to start soldering! ☺

My advise is to use a soldering iron and not a gun as it is way too heavy for the little board and terminals. The place you will be soldering is so small you wont believe such a small thing could cause such a great problem! ☺

Here is the tiny terminal!

Sorry the pictures are not that good, but you will see the terminals were you need to do the work, as it will be black and burned a bit. It will also move a lot. The one with the most play on it will be the one you need to soldier, it is VERY tricky as the other side of the terminal is only half a millimetre away from the positive live! I recommend taking a breather before you proceed. ☺

This is all I can tell you, there's not much else to go over, it is all straight forward from there. And putting it back together is easy enough, all you have to do is go back on what you done to take the unit apart.

These are all the tools I used for the job! Apart from the soldering iron of course ☺ (the bronze thing is the knife).

And here is the beast back in action! Works perfectly. ☺

If you have any comments on my little guide, please e-mail me at kylemillican@gmail.com , im from the UK near Newcastle in a little village called Ashington and im 19 years old.

If you would like to know more about me goto http://myspace.com/gigaforce , I would be very happy to help more if

you can e-mail me with any questions.