Compaq iPAQ 31xx / 36xx / 37xx Battery Replacement Guide by Nathan Dickman

http://www.ipaqrepair.co.uk/

Version 1.0

Introduction:

One of the easiest DIY repairs you can perform on your iPAQ PDA is to replace a faulty or failing battery, for a small cost it will return your iPAQ's battery life to the same as the day you brought it.

As your investment in a brand new battery is important I will give some standard tips on how to care for your new battery.

Firstly this is a lithium ion battery you can not overcharge it or charge it too much, to gain the maximum life span from the iPAQ battery always charge the iPAQ whenever is possible. Leaving the iPAQ charging even when the orange charge light indicates a full charge will do no harm at all.

Possibly the quickest way to damage the new iPAQ battery is run it dead or very low before recharging. Running the battery dead will shorten the life span very quickly, remember these are not NiCad's and do not suffer from any inherent battery 'memory' problems.

Battery memory was if you continued to recharge a NiCad battery slowly the charge amount and charge length decreased the simple way to reset the battery memory was to completely run them flat and the deep recharge them again. This bad practice has been adopted and used by novices for most battery types.
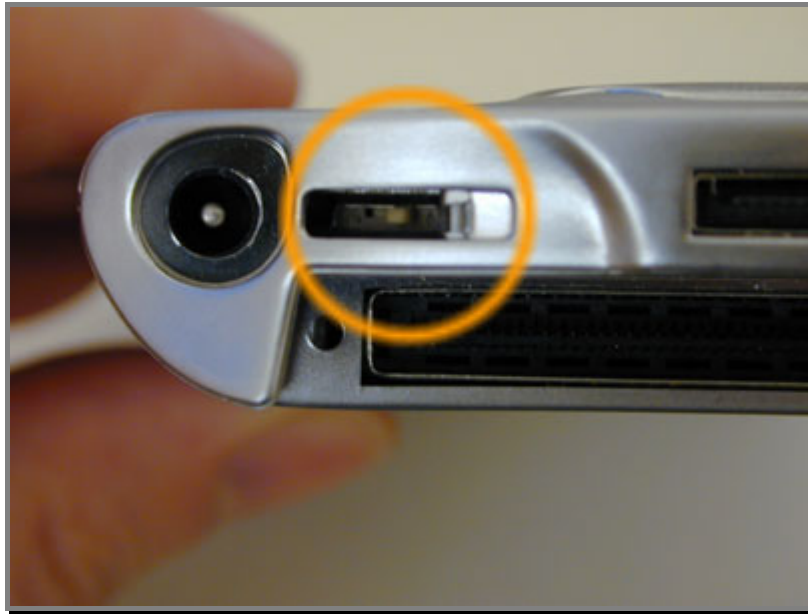
Just remember iPAQ batteries love to be kept on charge and never run totally flat. If you follow this advice it will ensure your battery has the longest life span possible.

Required Tools:

A Torx size 6 (T6) Screwdriver.
New iPAQ Battery**.**

Stage One:

Before you start the repair I recommend you switch the iPAQ off; you can perform this job without doing so but it is not recommended, remember to backup to your PC all important information and data before switching the unit off.

Stage Two:

Turn over the iPAQ so back is facing you. It is probably best to work with a soft cloth placed on you work area to prevent any accidental scratching to the front of the case while unscrewing the 4 main screws.

Proceed using a Torx size 6 screw driver to undo all four main case screws. If you do not have a Torx screwdriver available, a small jewellers cross head screwdriver can also be used. Remember to pop the stylus out as if you leave this in the silo it will prevent you from separating the case.
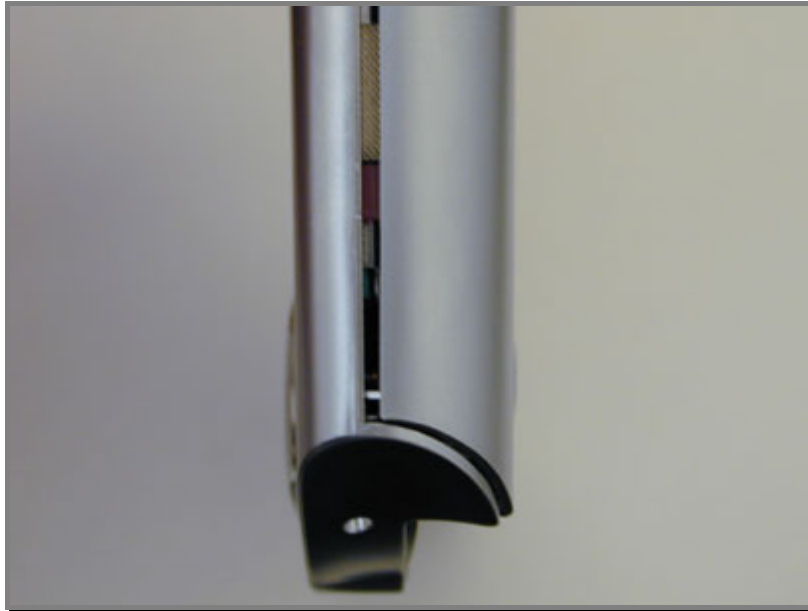
Stage Three:

Once all four main case screws are removed using your fingernail, gently prise the case open start on the side without the quick record button beginning at the top of the iPAQ and working your way down the edge.

Run your finger nail all the way along the seam to the bottom of the case.

Next follow the same procedure on the opposite side of the iPAQ.

This should now allow the back of the case to be totally removed, the battery connector will easily disconnect, as it is just snap clipped onto the main board.
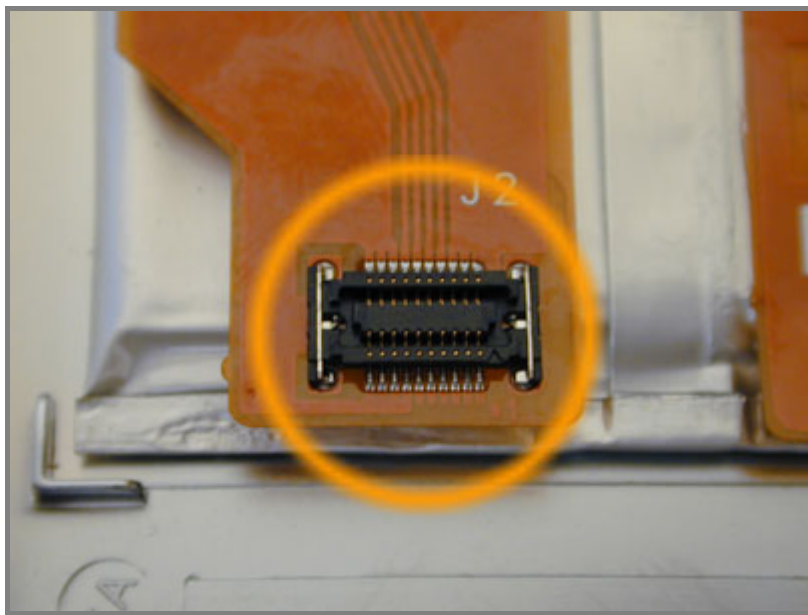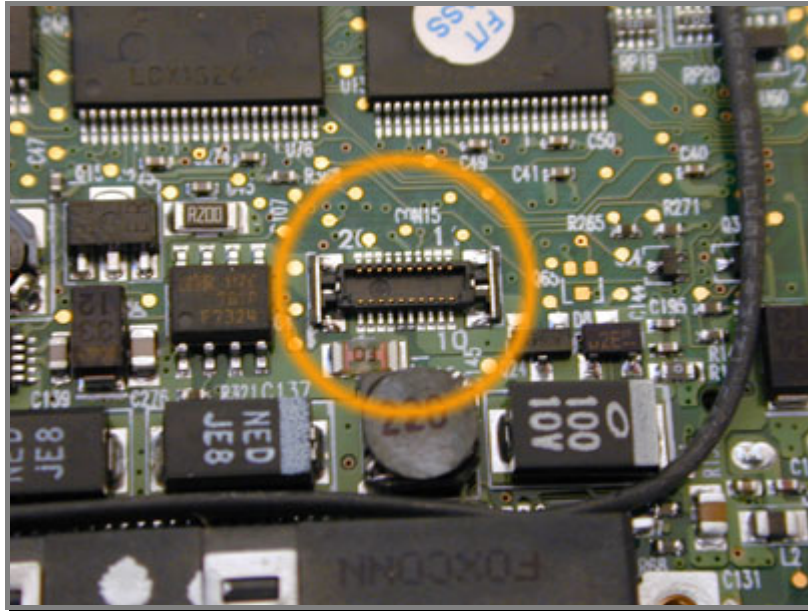
Stage Four:

With the case now opened the you will see the old iPAQ battery in the back casing, it is secured by two or sometimes four double sided sticky tape pads, It can take a reasonable amount of force to remove the old battery, do not worry if the battery bends when trying to remove it this is normal. Next take the new battery and push it into place where the old battery was positioned, the double sided sticky pads should remain stuck to the back case and still be sticky enough to attach the new battery.

Stage Five:

The iPAQ now has to be re-assembled the most important task is to ensure the battery connector is attached to the main board.

The battery connector shown above needs to be attached to the main board connector shown below the two just snap fit together.

Once the battery connector firmly is attached to the main board you are now ready to re-attach the iPAQ's back casing.

Stage Six:

Now clip the lower part of the back case into the area shown below.

Gently clip the two halves of the casing back together, they should click easily back together. Then reinsert and tighten the four main case screws. Remember to slide the power switch back to the on position if you turned the unit off.

Voila you have now replaced your battery. Now fully charge the iPAQ once fully charged the orange charge indicator is solid orange in colour.

Revision History

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