

INTEGRATION OF AN INDUCTION PAD IN THE LUMIA 925

by Casinick

with updates by Greg@jumblecat.com

First and foremost; you are solely responsible in making this change and that neither I nor anyone else can be held responsible for any damage to your phone.

Please ensure to read through this entire document at least once before starting!

This action will void the warranty, you have been warned!

Material Required:

- Lumia 925.
 - Lumia 925 Wireless charging case.
 - A VERY Small suction cup.
 - A small tool to "unclip" the plastic back cover.
 - A Dremel if possible.
 - A little patience I think that by following the tutorial you can do in 30 minutes. No need to be an engineer, just a little handyman, there is really nothing complicated!
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1. Begin by turning off your phone.
2. Turn your phone over and then using a small suction cup, pull off the top-left corner of the phone (it may come off very easily or it may “pop” off with a little force). Do not try and remove it from the bottom as the entire lower edge is “tucked” under the aluminum housing:



3. With the help of a small plastic tool unclip the back of the phone all the way around. If you find it being very stubborn, use the suction cup again along the sides, not the bottom as noted above.

At this stage you will find yourself with your phone in two parts so far nothing complicated!

4. Now let's start taking the case apart:

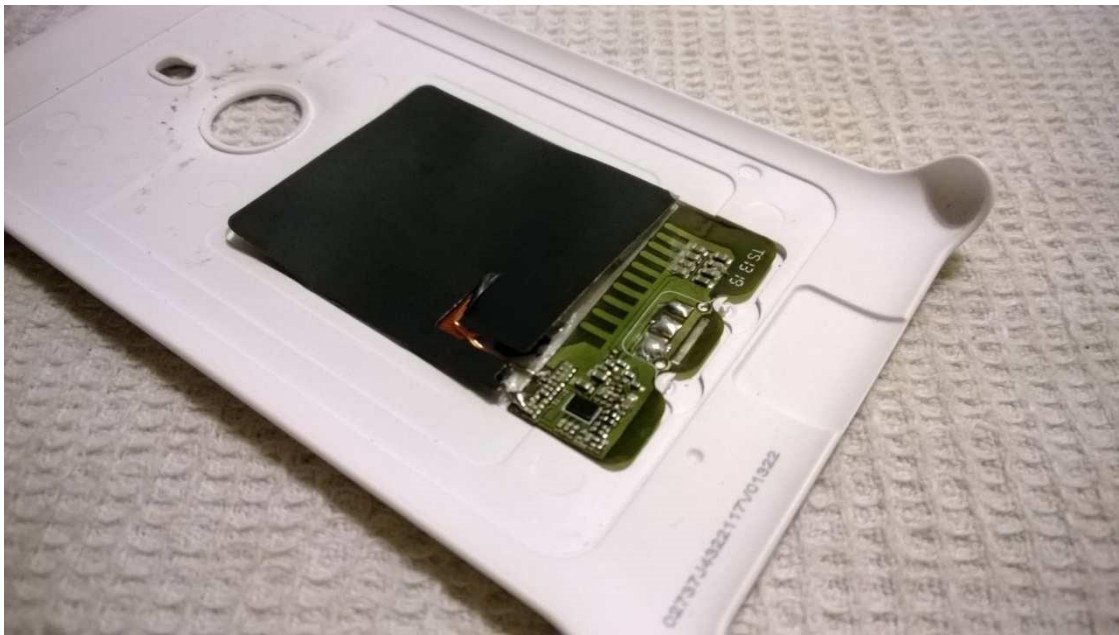


It will be necessary to first take off the adhesive protection on the inside of the case so as to gain access to the induction coil. Start at the top and work your way down.

Once the adhesive protection is peeled off, you'll see a second level of protection, which will be a metallic color, that also needs to be removed. There appears to be two version of the shell, one which the metallic protection is sperate from the plastic and one in which they are bonded together and impossible to separate.

If you can sperate them, be very careful when removing it to keep it in one piece as it will be **reused** later in your phone. If it is not possible, just set it aside.

You will now have access to the electronic part of the induction coil. Do not attempt to remove it from the case yet. At the bottom of the induction coil will be the plastic holder which houses the metal "spring" contacts (not shown in the photo below but in the inset in the next step).



5. The goal in this step is to file off the plastic tabs that hold the circuit board in place until they are flat and will allow the induction coil to be removed. You can also, VERY carefully, use a knife to slice between the plastic housing and the tabs. Now remove the spring contacts by gently wiggling them back and forth a few times, they should snap off leaving just the contact points as below:



Do not attempt to pull the induction coil out of the case before filing the tabs down or you will damage the circuit board and you will have to buy another case!

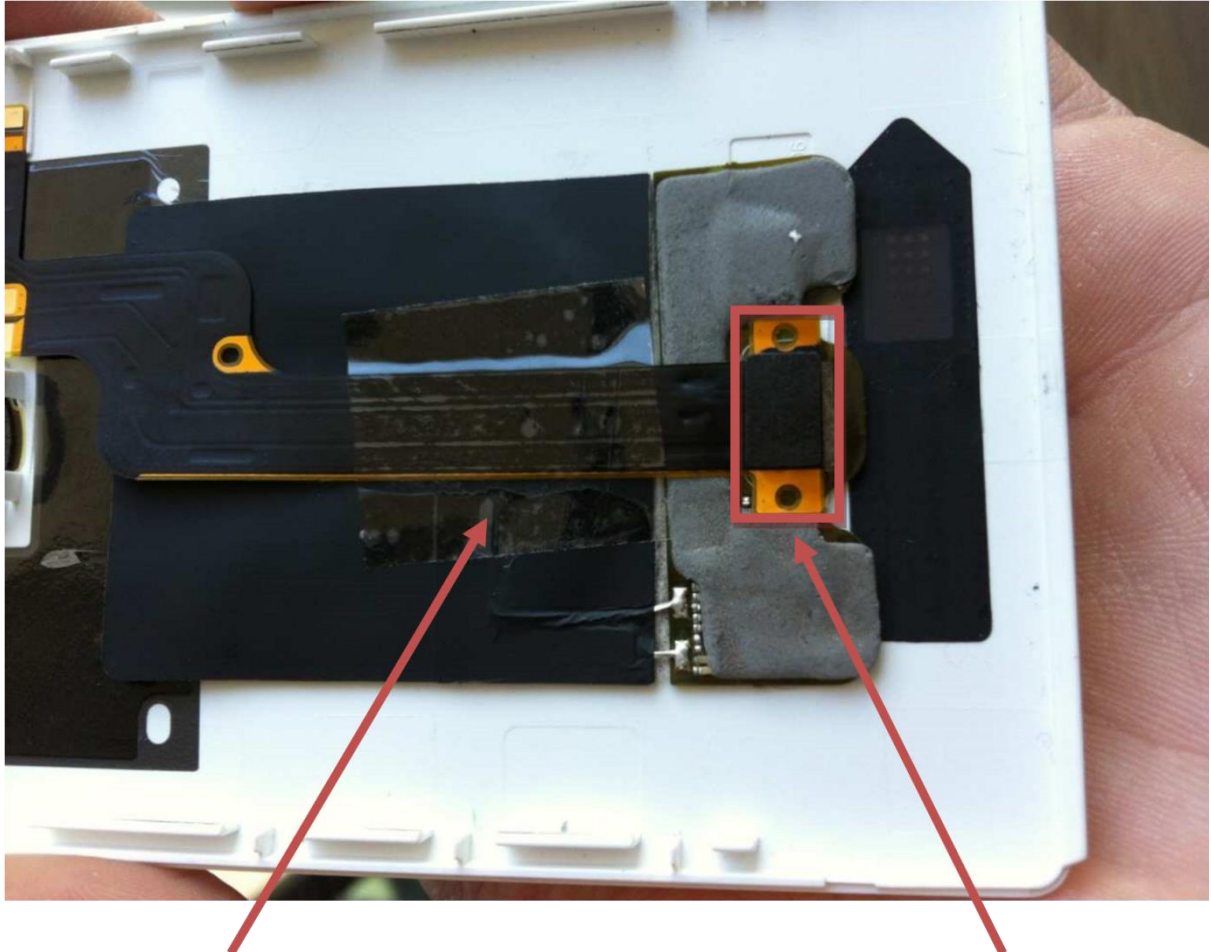
6. Now that the induction coil is ready to be inserted in the phone, you will be able to remove it from the case very **gently**, the circuits are **fragile!**

You then get this (hopefully not the torn part though as it was my first try...):



7. Now look at the back cover that you have previously removed from your phone. You will see there is a covering that peels off, remove it carefully. Start from the top of the cable (the part closest to the camera protector) and lift the cable upwards carefully). This has on it the back 3 studs that contact on the case.

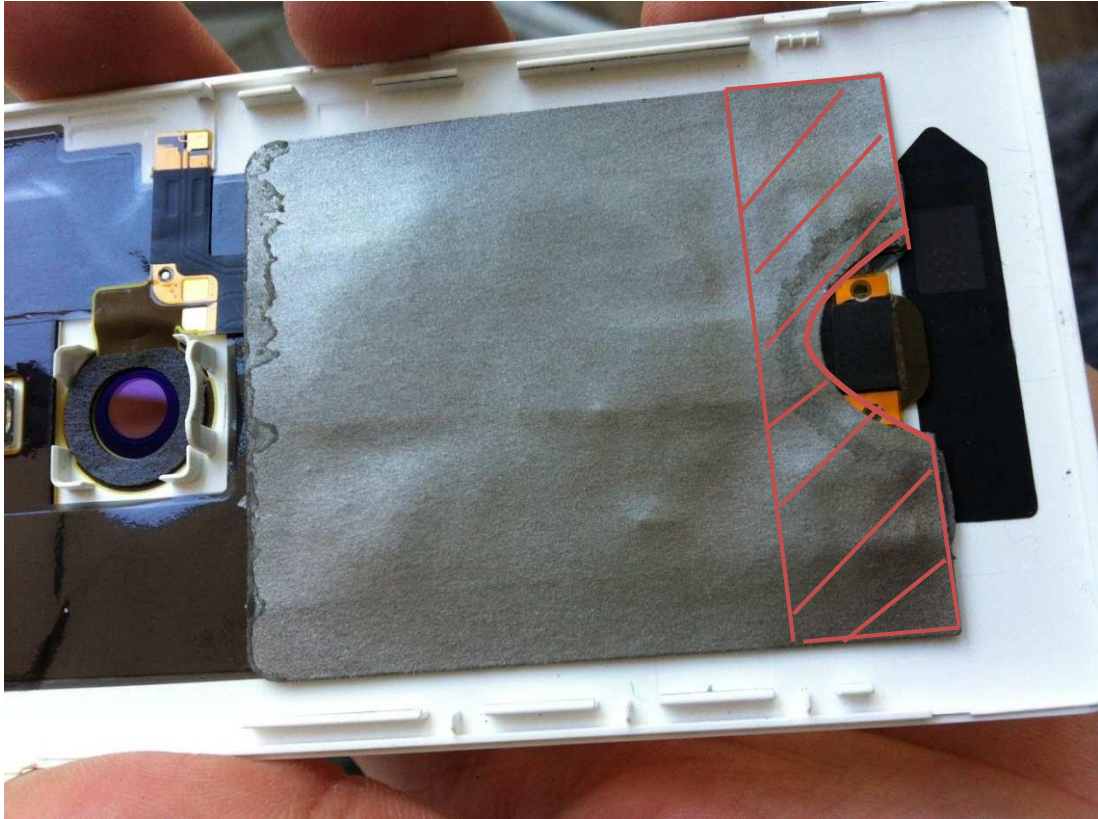
8. You will need to insert the electronic induction part from the case so that it makes contact with the 3 studs. Take care to align everything, it is very important not to have any short circuits:



I advise you to add a small piece of tape to secure it in place.

Purely as a matter of aesthetics I also suggest you insert a small piece of white paper between the case and the back to hide the orange PC board from showing through the three small holes in the case...

9. You can now use the metallic protective cover you saved from step 4 (if you were able to) to insulate the inductive coil. (I think it's a protection against interference, but if not installed it worked for me without any issue):



A small modification is required to the metallic cover, cut a small area out as above to allow the black part of the induction coil to be visible.

10. This is the last step, all that remains is to close the case, starting with the lower part, nothing complicated. Once closed there is nothing visible, no additional thickness, it is very clean. After more than two weeks of use I can assure you that it is reliable, no overheating when recharging I am very satisfied with the result, farewell to the charging case!



11. Finished!

Thank you all for having read my tutorial my nickname it is «casinick», do not hesitate to contact me if you have any questions.

This document has been produced by "casinick" which you can find on Smartphone France:

<http://forums.smartphonefrance.info/profil.php?mode=viewprofile&u=18861>

The document was originally published on the Smartphone France site:

<http://www.smartphonefrance.info/actu.asp?!D=8536>

Updates and translation to English done by Greg@jumblecat.com:

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