

# **MOTOROLA V3 DISASSEMBLY GUIDE**

This guide will help you replace housing parts and get to the inner parts of your phone. I am in no way responsible for any damage occurred to your phone. If you follow what I say to do in this guide you should be ok. But you need a lot of time and patience when disassembling your phone.

**YOU MUST READ EVERYTHING CAREFULLY!**

**!ONLY BUY HOUSINGS FROM CNN.CN, AS THEY ARE OEM!**

Contents:

Steps 1 ~ 5 Facia Replacement.

Steps 1 ~ 13 Screen Replacement.

Step 20 ~ 37 Aerial Cover/Lower Front Housing Replacement.

Step 20 ~ 55 Keypad and Flex Replacement.

Step 62 ~ 64 Lens Replacement.

Page 28 ~ 29 Keypad Hardware Fix, What to do if you don't have the plastic frame on your facia, or the battery lock on your battery door:

Tools Needed:

Screwdrivers ~ T3, T4, T5, T6

Precision Tweezers

Mobile Phone Opening Tool

A pin

Brand new Glasses Cloth



Screw Sizes:

Screen Screws ~ T4

Rear Screws ~ T6

Mic Screws ~ T5

Right Flip Screw ~ T3

**BEFORE YOU DO ANYTHING MAKE SURE YOU HAVE ALL OF THE TOOLS NEEDED.**

You can buy these from eBay or any other mobile phone website.

Take your time and don't rush! Move away any drinks or liquid, and have good light.

Right here we go!

1. Turn off your v3, remove the battery and your sim card.
2. Flick out the small rubber screw covers on the screen. **DO NOT LOOSE** these as they are extremely hard to get replacements!  
Use the pin to remove the bottom two.



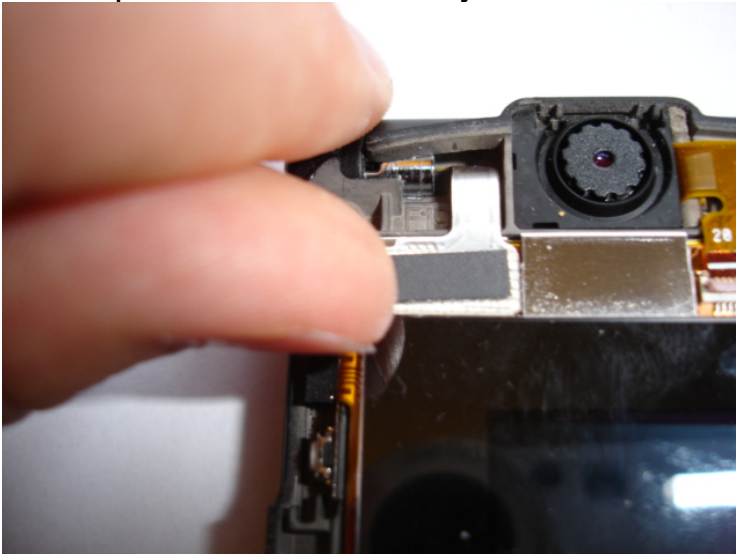
3. Unscrew all 4 screws using the T4 screwdriver.
4. Use your nail to lift up the facia at the top corner of the camera lens. This should come up easily.



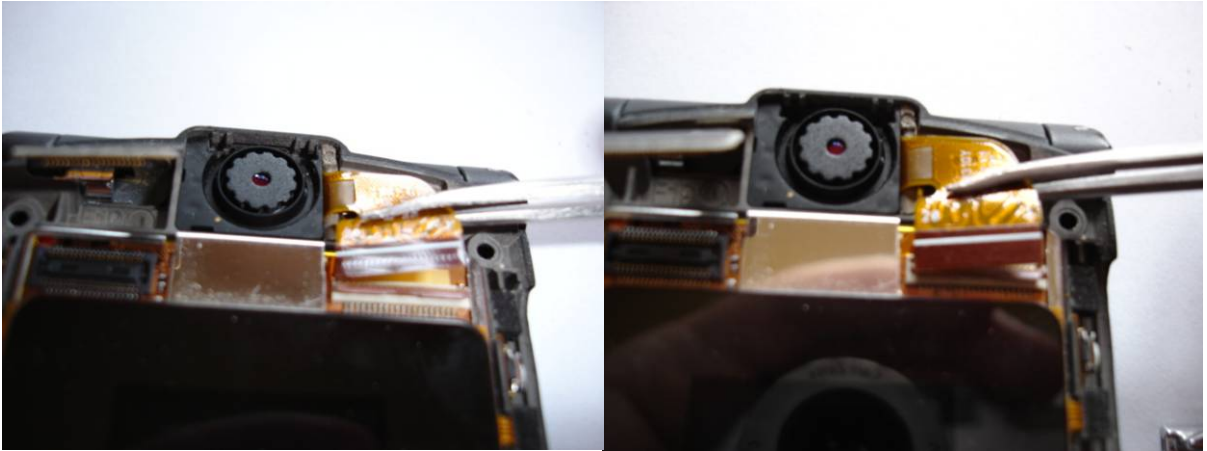
5. Now use the mobile phone opening tool to slide up around the edges of the facia, work down one side then the other. Then lift the bottom part, it will be quite stiff but keep pulling. Don't be scared you wont damage your phone. Then remove the chrome buttons.



6. Flick up the left ribbon with your nail.



- Click back the camera ribbon lock, and remove CAREFULLY with tweezers.



- Lift off the silver locking washers gently with tweezers. These are at the bottom of the screen.

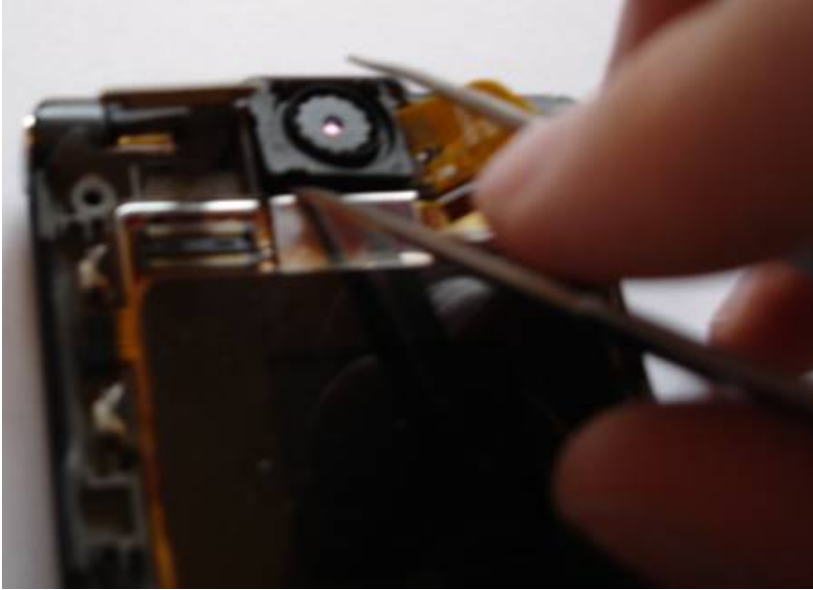


- Lift the small battery and ribbon off of the inner screen housing. Use tweezers to gently ease it up.





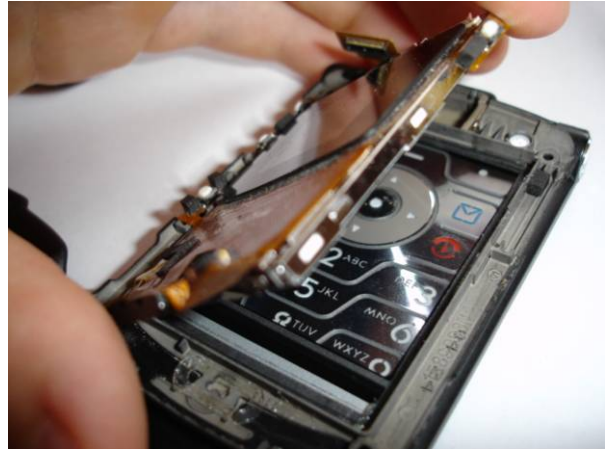
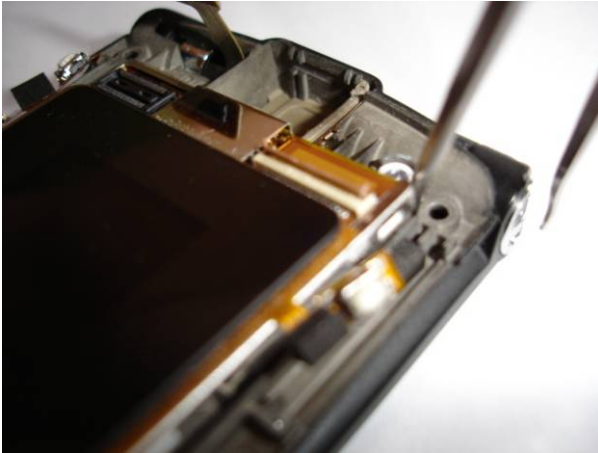
10. Lift the speaker next to it, make sure the sticky pad is still attached. If not peel it off of the housing and stick it to the speaker.
11. Lift the camera unit out with tweezers. There is a small hole in the bottom corner of the unit to lift it out with.



12. Now to remove the side buttons. List each button off with tweezers. DO NOT CUT THE RIBBONS! You can use a pin to get behind the stuck down ribbon if necessary.



13. Once all of the buttons are unstuck and free from being stuck down. Place the tweezers in the top right of the screen, and slowly start hinging it out. Keep lifting until it comes free.



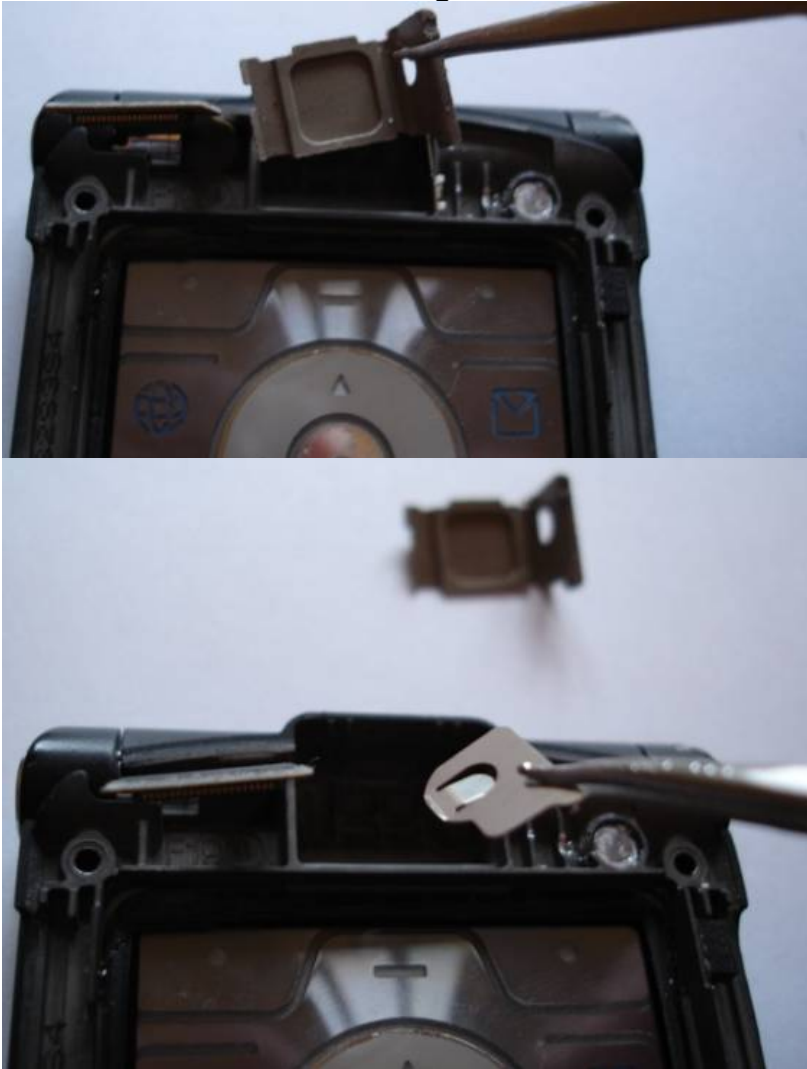
14. Lift the screen out of the Inner screen housing.



15. Your phone should now look like this:



16. Remove the grey rubber camera housing and metal protector.  
Place into the new housing.



17. Flip the phone over and remove the Right Flip Screw with the T3 screwdriver.





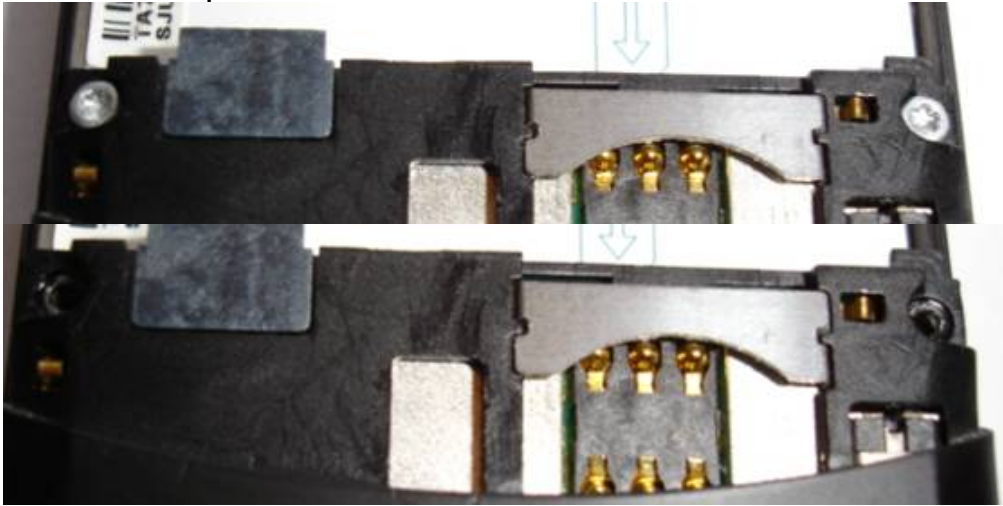
18. Flip the phone open and closed until the chrome flipper pops out. If this doesn't happen place the tweezers in between the bar on the chrome flipper and ease out. Now remove the small metal part and place this inside the new chrome flipper part with tweezers. This is quite tricky.



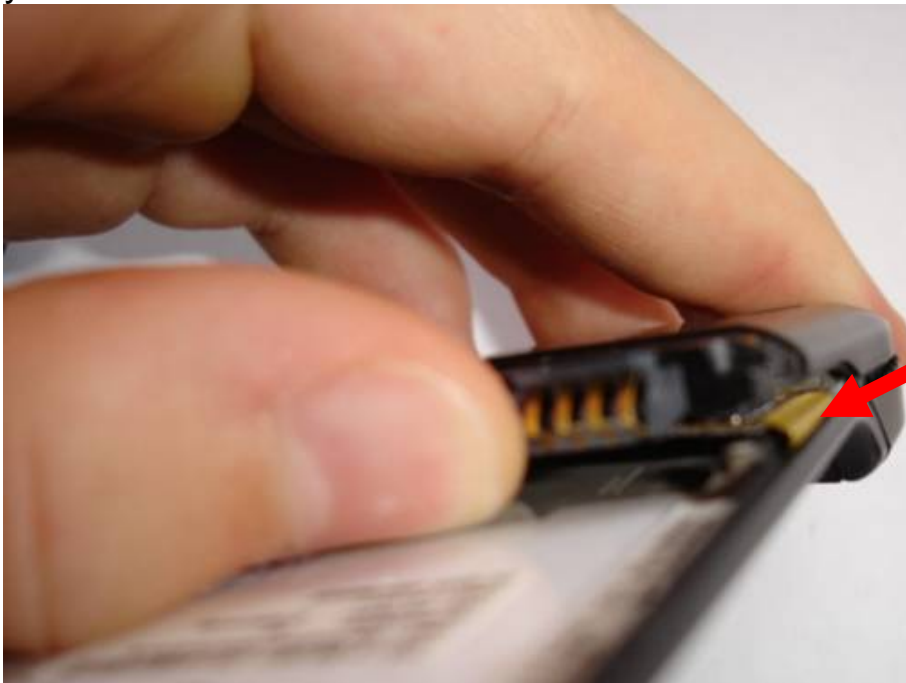
19. Open the flip up on the phone and turn it over. Push out the Left Larger Flipper with a screwdriver. MIND THE RIBBON!



20. Turn the phone over and unscrew the 2 Rear Screws.



21. The aerial cover should separate slightly when lifted. Open it until you can see the ribbon.



22. Pull down the ribbon with the tweezers to disconnect.



23. Push the bottom sideways away from the top this should unclip the Aerial Cover from the lower & mic housing. If not use the Mobile Phone Opening tool around the edge and flip up the edges.

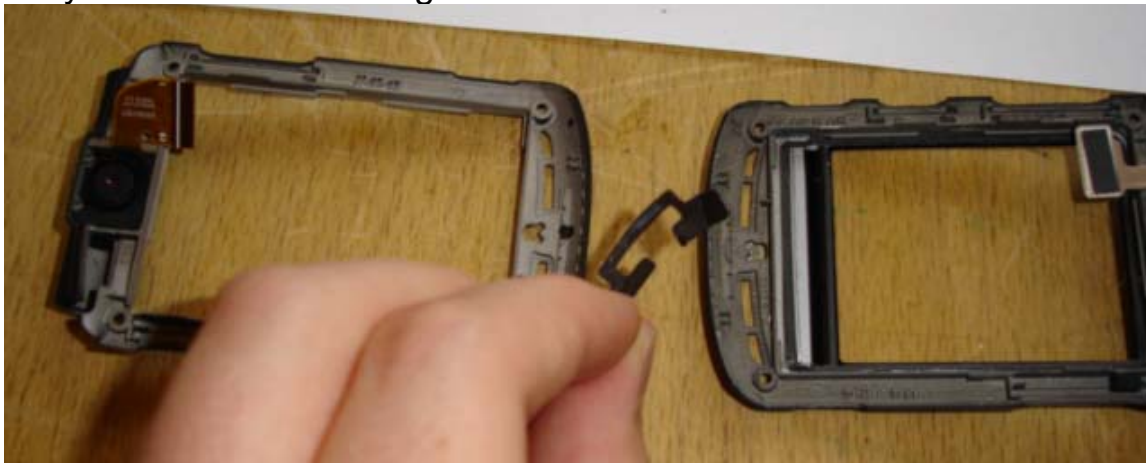


24. You now need to unscrew the 4 screws holding the lower cover on. Use the T5 screwdriver.

25. Layout as they were. And remove the lower housing and mic cover.

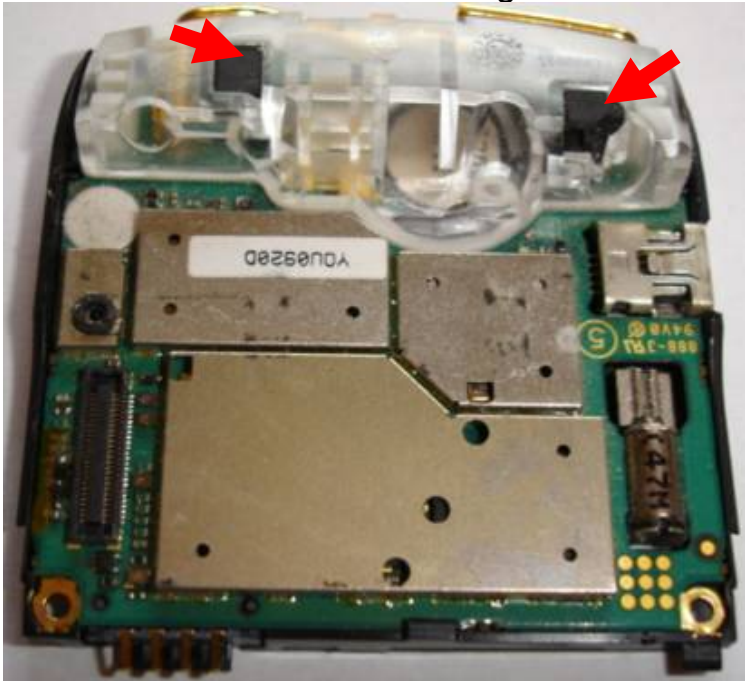


26. Put the camera unit into the new screen housing, and remove speaker mesh from old housing to the new housing with tweezers & lay into the new housing.

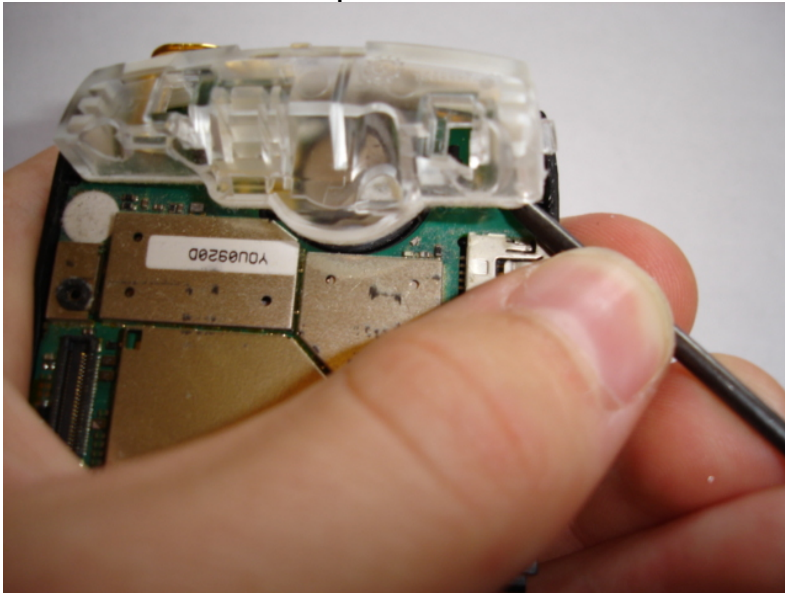




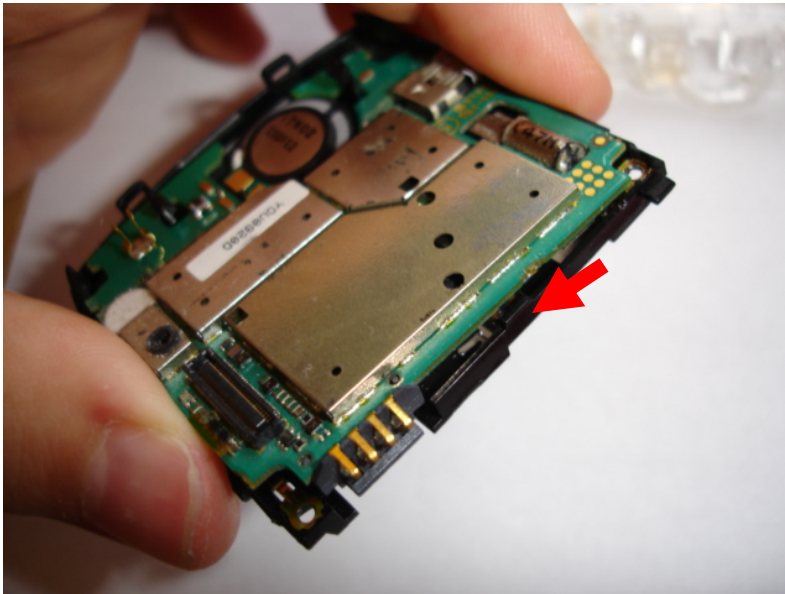
27. Remove the black coverings on the aerial protector.



28. Place the screwdriver under the right hand side of the see through plastic covering, CAREFUL DON'T SCRATCH THE PCB! Lift until it clicks and unclips itself. The rest should follow.

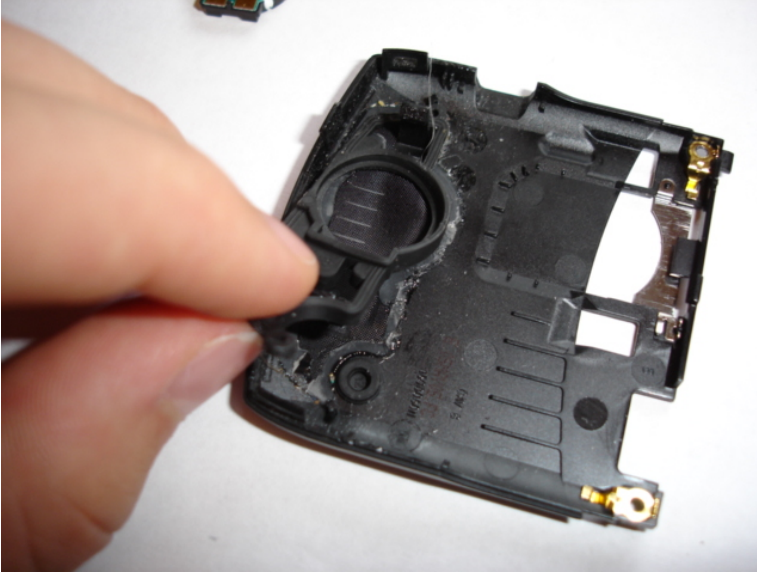


29. Unhook the catch and push the battery terminals until it comes free.



30. Remove the speaker from its rubber surround with tweezers.

31. Lift up the large rubber surround with tweezers then lift.

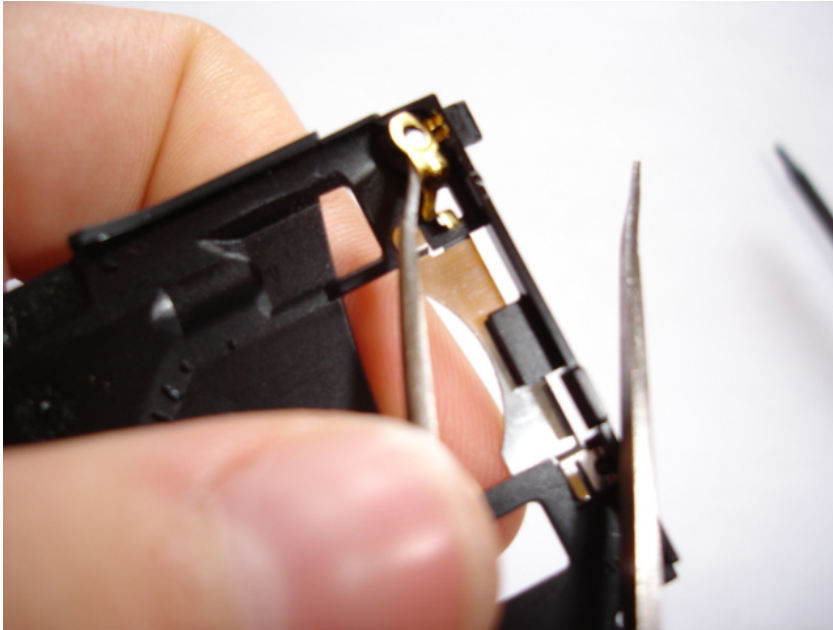


32. Lift up the mesh below with tweezers and transfer it to the new aerial cover.

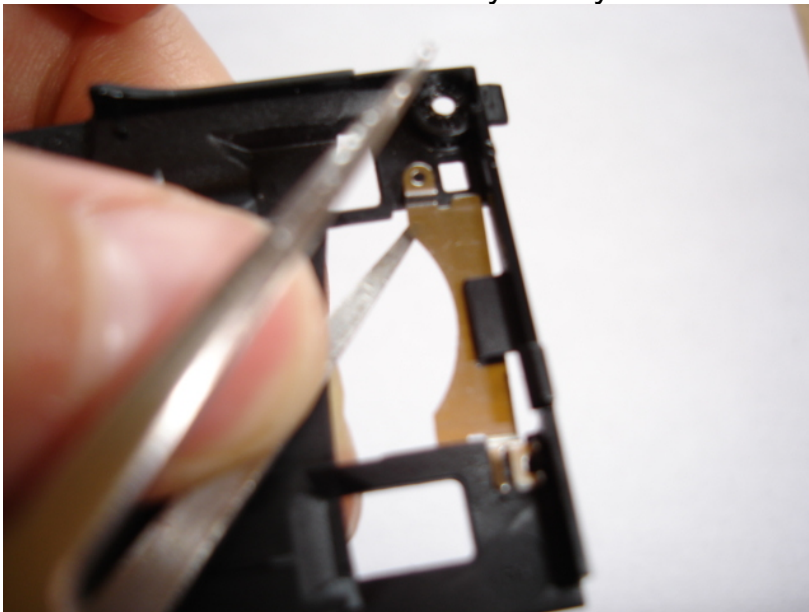




33. Remove the gold screw contacts with tweezers and place into the new aerial cover.



34. Now lift the sim card holder up and off its right pin, and move down. It should come away easily.



35. Put it into the new aerial cover and press down the right side over the pin.



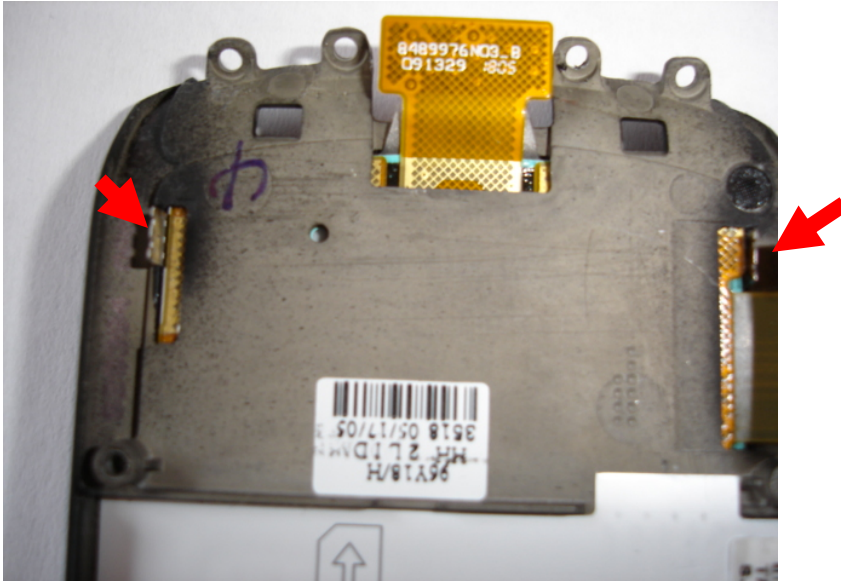
36. Push the speaker back in, and then put the PCB back in. Push gently to clip in.



37. Now get the aerial & plastic covering. Put one side in and under the edges. Then bend out the opposite side of the aerial cover to let it clip in. Push down to make sure its all clipped in. Then replace the rubber parts.



38. Lift up the metal tabs at the bottom of the rear keypad with tweezers.



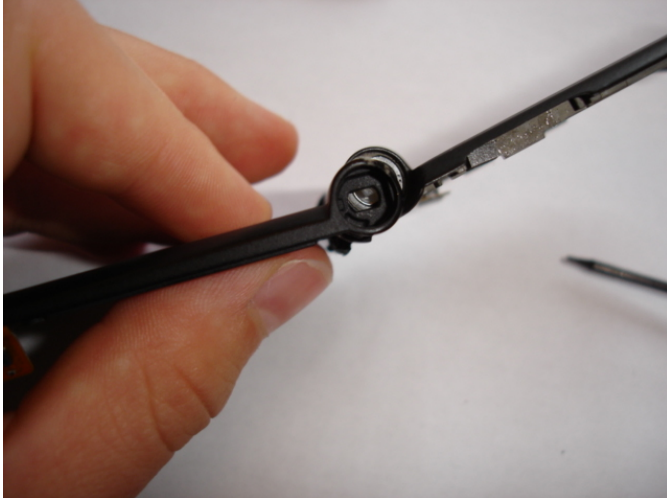
39. Lift the white film with the phone data on it. Use tweezers then pull with your fingers.



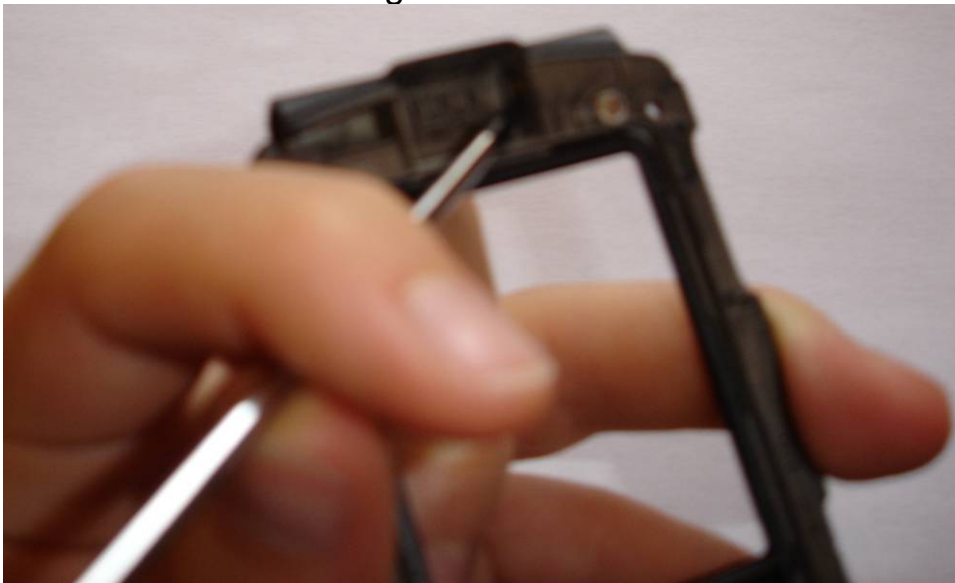
40. Lift up the rest of the metal tabs, make sure that they are all vertical. Then push them one at a time until the keypad comes out.



41. Flip the phone over. Push the flipper mechanism as far in as you can and list up the right hand side of the screen. You can lift it out then. **WATCH THE RIBBON ON THE OPPOSITE SIDE, DON'T SEVERE IT!** Unhook the ribbon as soon as you can.



42. From the outside push out the flicker using a screwdriver. Then pull it out from the other side. Make sure you remove the flipper and its black housing.

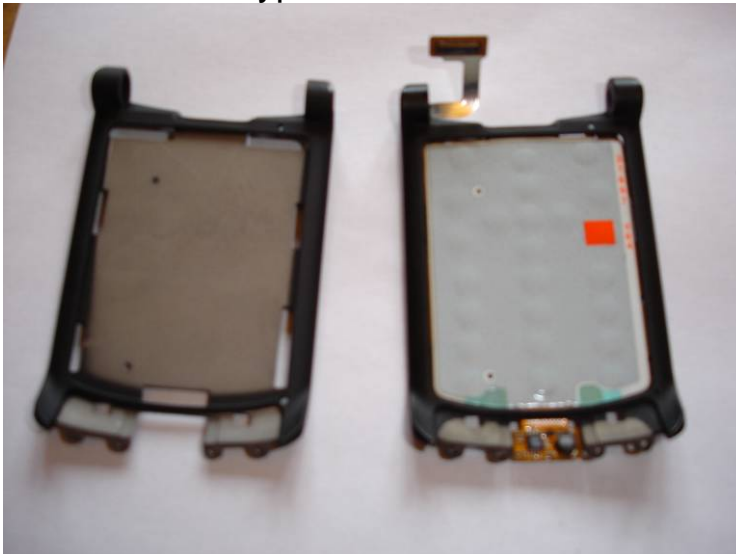




43. Lift up the top of the keypad with your nail. Then use the Mobile Phone opening tool to hinge it up all over. Make sure all the tabs are unstuck. And pull them through the keypad housing.



44. Push the tabs through into the new keypad housing and stick down the keypad.



45. Get the Mic Cover and remove the rear black covering. Place it into the new part.

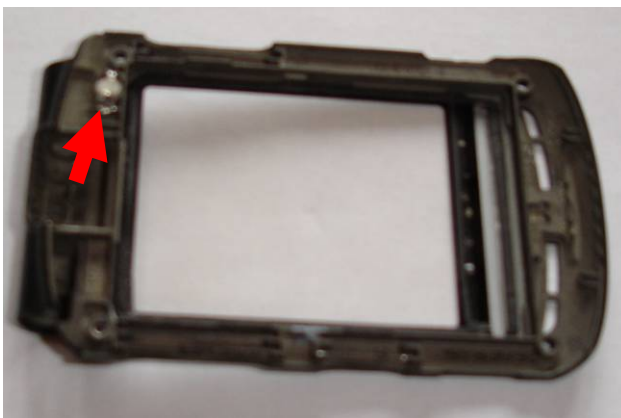


46. Assemble the Mic Cover and the lower front housing. The mic cover just slides in.



47. Go to the screen housing and dig out the small magnet. Dig it out with anything you can ruin the housing just get it out. Or you can buy a new one from Motorola's USA parts centre or CNN.CN and glue it in as I have done.

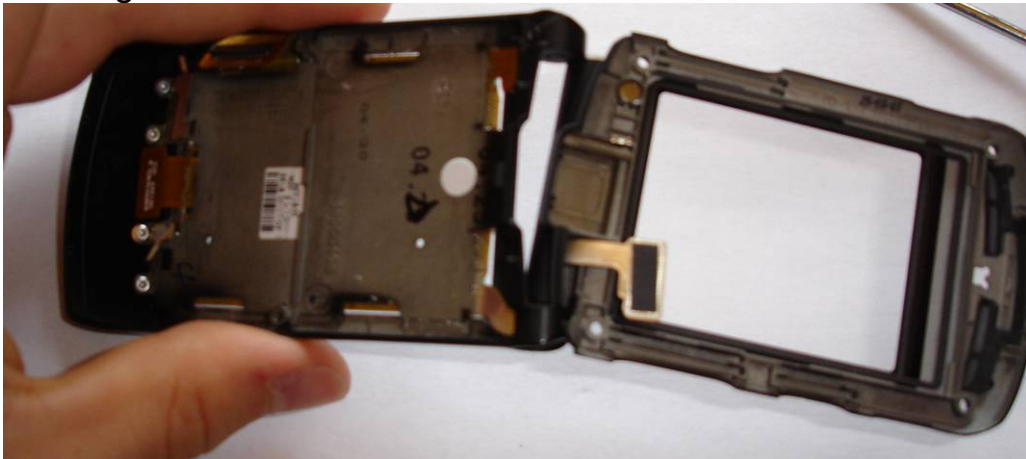
**YOU NEED THIS PART OTHERWISE THE IMAGE WONT  
CHANGE ON THE OUTER SCREEN WHEN THE PHONE IS  
CLOSED**



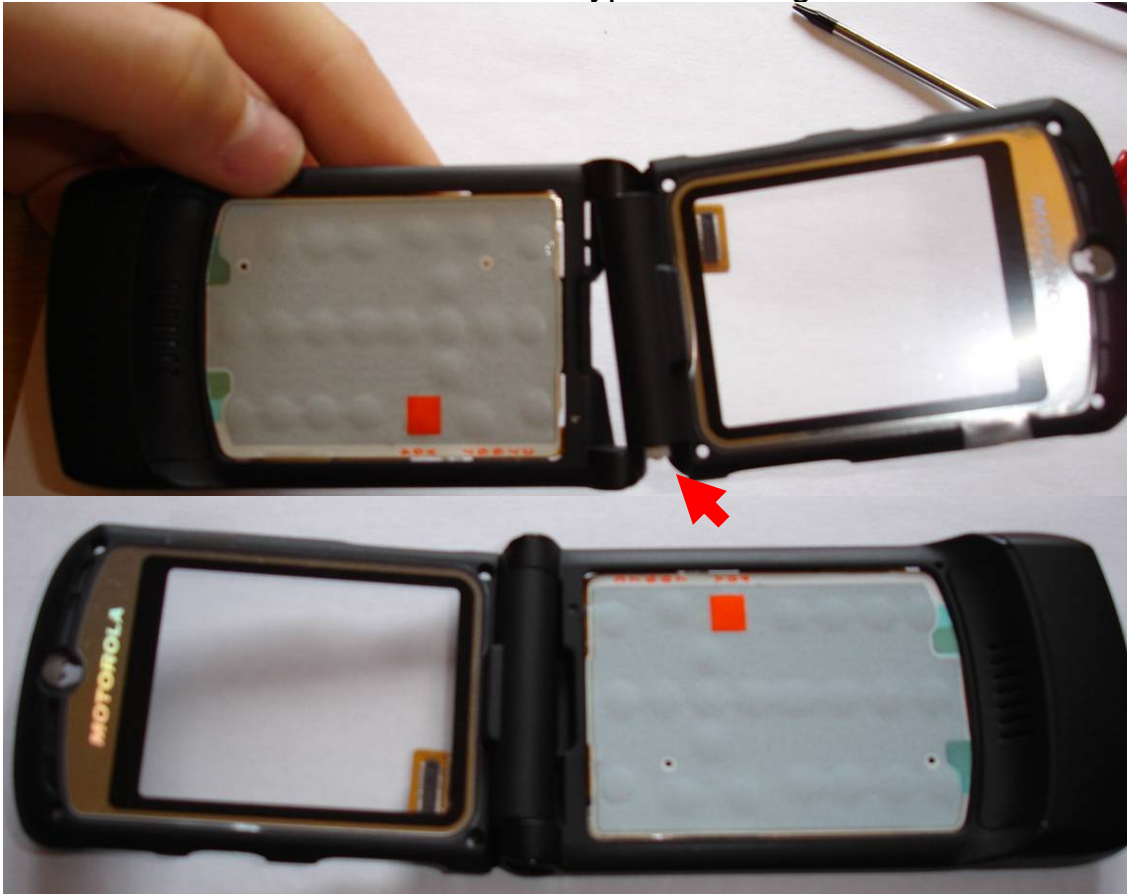
48. Go back to the keypad housing and get the metal part with its screws from step 24. Screw in the two opposite screws first. Make sure the housing is all aligned correctly. Then screw in the middle screws.



49. Get the screen housing. Place the ribbon through the screen housing.



50. Then place the flipper back in. Push the flipper in as far as you can **MIND NOT TO SCRATCH THE NEW KEYPAD HOUSING.** And slide it back into the new keypad housing.

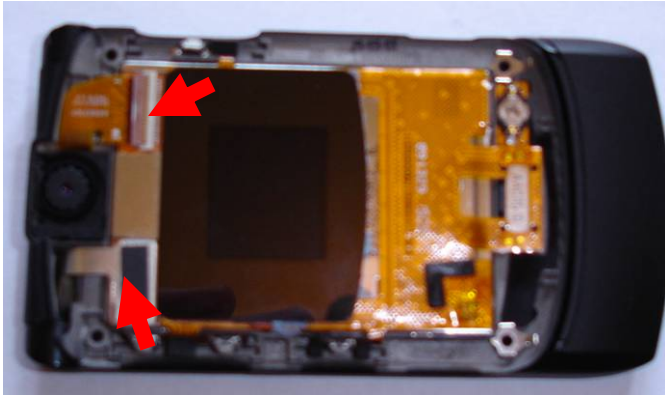


51. Push the screen unit back in.  
52. Now put the camera unit back in.





53. CAREFULLY connect the camera ribbon up, remember to lock it down. Now connect the main left ribbon back up.



54. Stick back down the screen buttons. Place them in the correct sections in the housing.

55. CAREFULLY fit the new keypad.



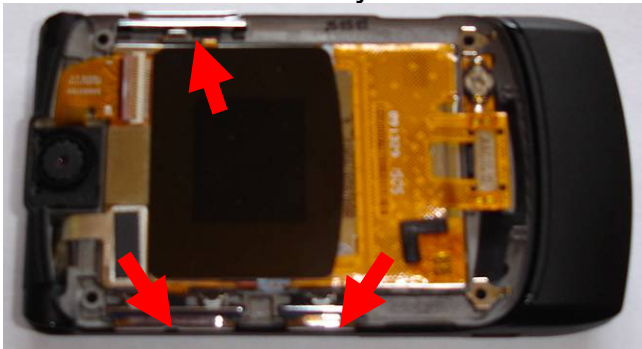
56. Turn the phone over, and while pushing the keypad in as hard as you can bend the metal keypad tabs over.



57. Put the white Phone data sticker back down. Use double sided sticky tape or something similar to do this. Then clip in the aerial housing, and screw in. Place the small rubber gromit back in as well.



58. Fit the chrome keys back into the screen housing.



59. Now fit the front facia to your phone. Push the bottom in first and then forward. Then press around the edges until all the clips have been clicked in.
60. Now you can put the battery in and see if its working. Take it back out after.
61. Open The phone and clean and dust/smears off of the screen. If you are replacing the outer LCD lens too then do the same now.



62. Do the same with the inside and outside of the Screen Lens'. Make sure the screen is black while doing this. Then turn the phone on and check for dust/smears with the screen on. Send as long as you can on this! So its perfect.



63. Stick the screen down. If your replacing the outer screen put it in now, its easier as the front facia has aligned the screen for you.
64. Place the rubber screw coverings back on, make sure the rounded ones are at the top and the flat ones at the bottom.
65. Now place the chrome hinges in & screw in the left bezel screw.  
**CAREFUL AS I SEVERED MY RIBBON DOING THIS!**



66. Put in your sim card and battery. Then your new battery cover.
67. Power on your phone and hope for the best!

### Keypad Fix:

My keypad had a few keys that didn't work properly. If you pressed on the right hand side just below the battery door the keys worked. These keys were: Down, Left Softkey, \*, 8. If you cut a small piece of plastic phone card then half it right down the side so its half the thickness, and place it under the connector it fixes it.



### What to do if you don't have the plastic frame on your facia, or the battery lock on your battery door:

Take your old facia, slide a knife under the thinnest part of the plastic frame, you have to use A LOT of pressure. BE VERY CAREFUL! (When I was doing this on my silver v3 I slipped with the knife and sliced my finger to the bone!) Work your way all round the plastic frame.



Clean off the glue attached to the frame. With your knife or a sharp craft knife scrape #ing all over were the frame sits. Then use something like Araldite, or super strong bonding adhesive, not just modeling glue. Put some of the bonding agent on the frame and the



metal housing. Only a little bit all round. Push the frame and the facia onto your v3, MAKE SURE THERES NO EXCESS before you do this. Then put elastic bands round the body of your v3. two across the body and one longways. Do these as tight as you can!



Every hour or so press all of the outer buttons as some excess will most likely be trying to stick them. Leave for 24 hours at least.

#### Battery Cover:

Slide the knife under the battery lock, prise it up. BE VERY CAREFUL!



Then scrape off the old glue. Clean off the glue attached to the frame. With your knife or a sharp craft knife scrape #ing all over were the frame sits. Then use something like Araldite, or super strong bonding adhesive, not just modeling glue. Put some on the battery lock and the battery door. Push down, then wipe away any excess. Leave for 24 hours.

This guide is FREEWARE to MOTOMODDERS MEMBERS.

Selling of this guide is prohibited.

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If you would like to send me any comments on the guide, or request for custom guides by companies please send them to:

[moto.v3.blk@gmail.com](mailto:moto.v3.blk@gmail.com)

Version:

This is Version 1.1. It has had some slight updates and modifications. I may be in the process of making a v3i guide as well.

I hope this guide helps a lot of people. It has taken me around 14 hours to compile. A word of warning my first housing cost me \$100 and it was spraypainted, that is why i would only use CNN.CN.

Many thanks to MotoX for the software that allows us to Mod our phones. The guys that find out the seem edits, file developers and decompilers.

Also thanks to everyone at Motomodders.net who make all the modding possible!

Keep it up guys!

And thanks to Motorola for releasing such cool and different phones!