

MOTOROLA L7 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!

Use the steps below for specific parts replacing, use the whole guide for full housing replacement.

Contents:

Steps: 1,3,7 Fascia/Keypad Replacement.

Steps: 1,3~15,32~33 LCD Replacement.

Steps: 2,44 Aerial Cover Replacement.

Steps: 1,3,~12,16~31 Keypad Board Replacement.

Steps: 3,7,13,46,47 Lens Replacement.

Steps: 1~22, 26~50 Flex Cable Replacement.

Steps: 3~6,34,35,43 Camera Replacement.

Step: 9 Earpiece Replacement

Steps: 1~12,22,25 Aerial/Handsfree speaker Replacement

Tools Needed:

Screwdrivers ~ T4, T6

Precision Tweezers

Mobile Phone Opening Tool

Brand new Glasses Cloth

Double Sided Tape

Screw Sizes:

Keypad Screws ~ T4 x 2

Rear Screws ~ T6 x 6



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.

1. Turn off your L7; remove the back cover and your sim card.
2. Place your nail between the plastic aerial cover at the bottom, and the faceplate. (If you can't do this use the Mobile Phone Opening tool to get between the small gap). Pull until the lower aerial cover clips off.



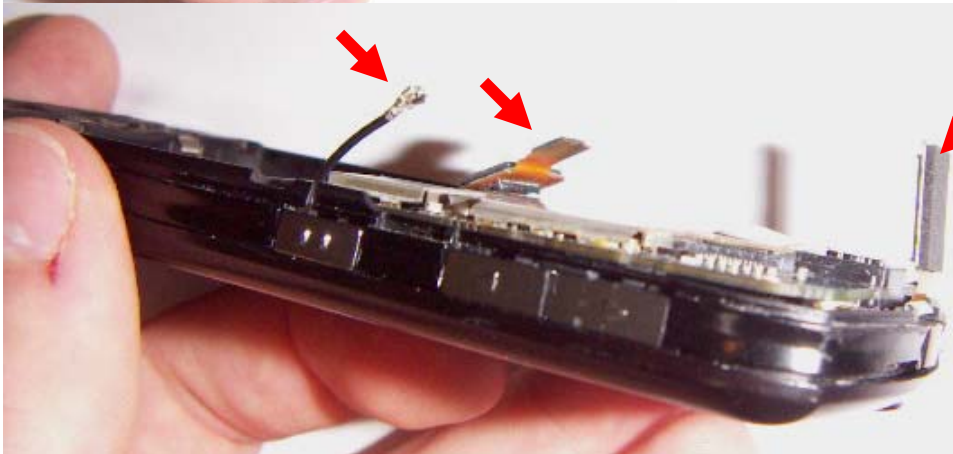
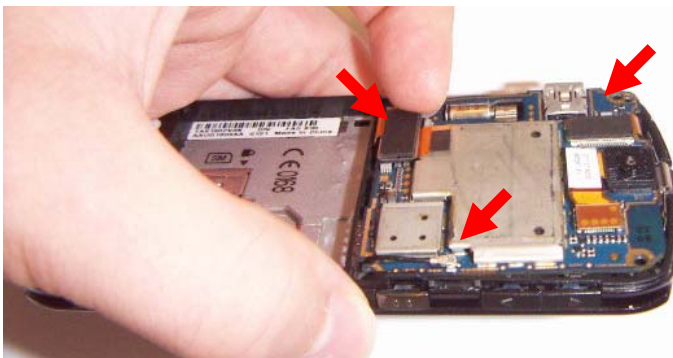
3. Unscrew all 6 screws using the T6 screwdriver.



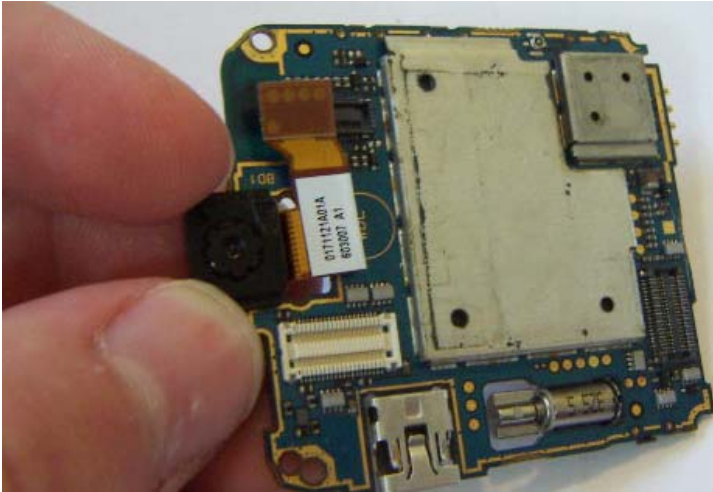
4. Once you have done this remove the large silver top panel, your phone should look like this.



5. Now use your nail or tweezers to unclip all the ribbons on the phones mainboard. There are 3 all together, Screen Ribbon (top left), Screen to Keypad ribbon (bottom left), Signal Cable (bottom right).



6. Remove the camera from the mainboard (only if you need to replace it) by disconnecting the ribbon and pulling the unit out of the mainboard.



7. Put your nail at the top left or right corner, between the front fascia and the middle board. Pull until the fascia unclips around the middle; keep pulling gently until the fascia comes off completely.



8. Remove the keypad (leave the white membrane on if it doesn't



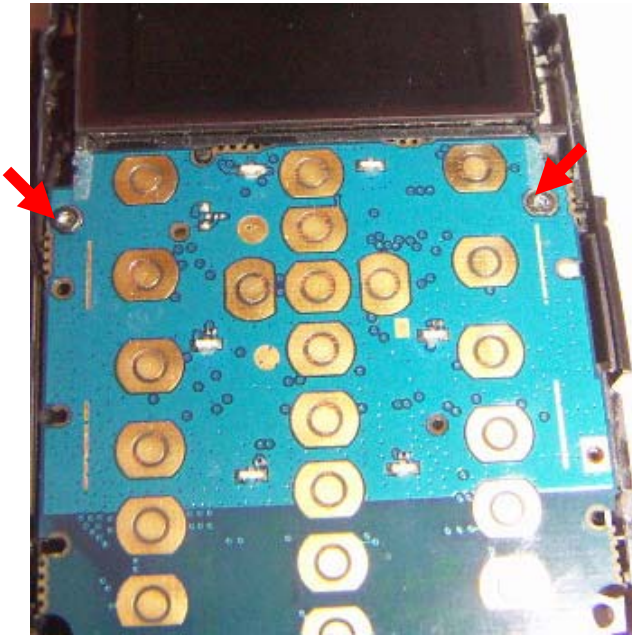
come off), your phone should now look like this.

9. To remove the earpiece speaker (if you need to) slide the tweezers between the earpiece and the housing and prize up slowly until it comes free.

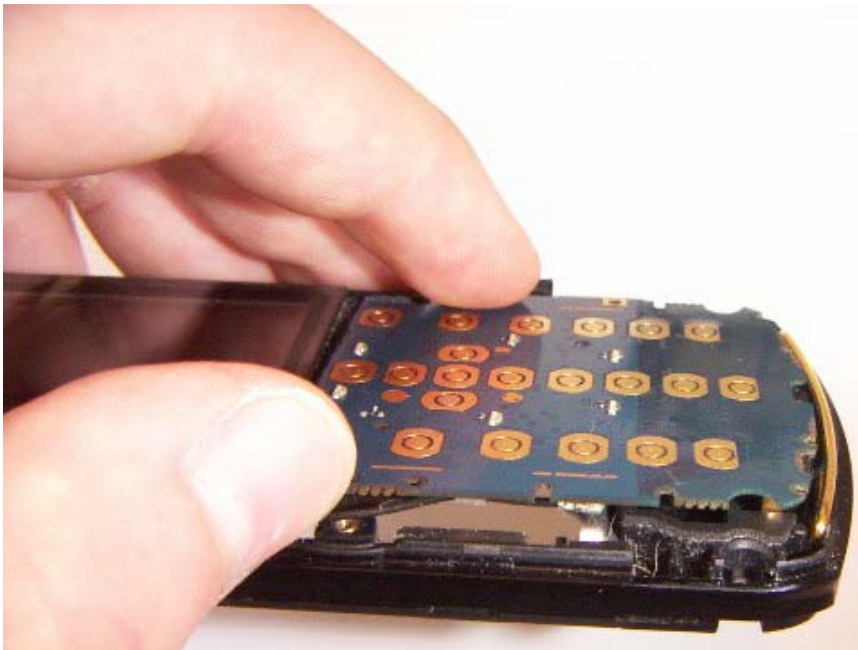


Stick it into the new housing, use some double sided tape if you didn't remove the glue when you removed the earpiece.

10. Unscrew the 2 T4 screws that hold the keypad to the mainboard, remove the 3 side buttons by sliding them out.



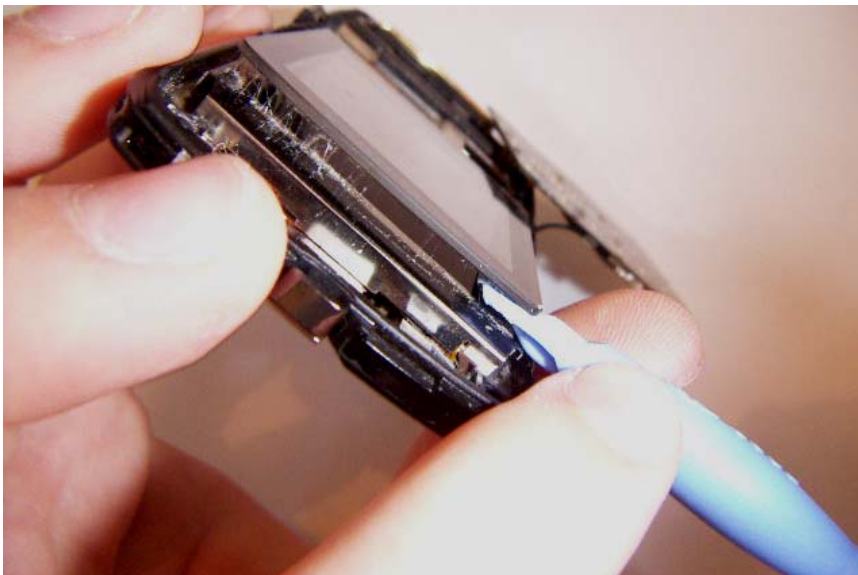
11. Lift the keypad board up slowly from the right hand side while keeping pressure on the left hand side (**DO THIS CAREFULLY AS THERE IS A RIBBON ON THE UNDERSIDE**) you should feel the ribbon unclick as you keep lifting.



12. Your phone should now look like this.



13. Next remove the glass LCD cover, place the Mobile Phone Opening tool between the glass and the metal frame it is stuck to, gently apply more pressure until you fully remove it.



14. Place the tweezers next to the side of the LCD and slightly bend the metal frame out over the clips that hold it in place.



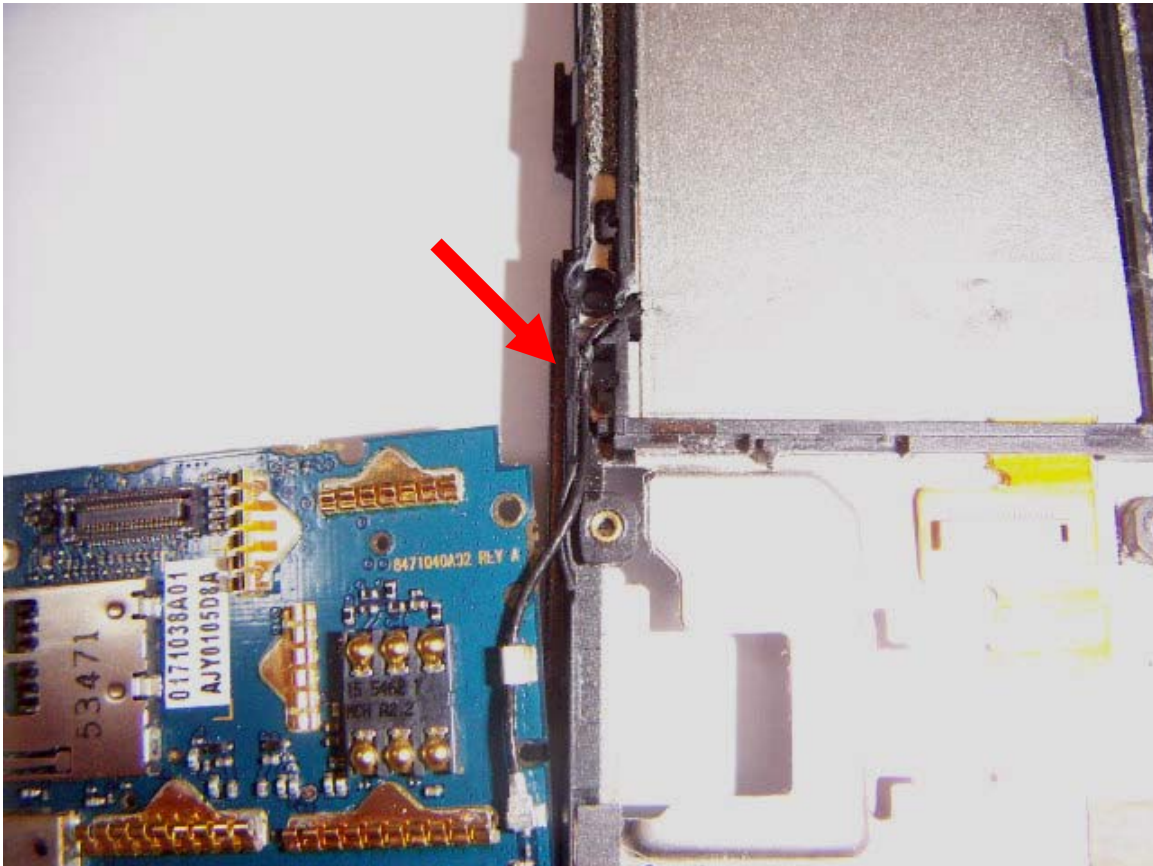
15. Work the tweezers down the side of the metal frame until one side is fully unclipped. You should now be able to simply pull it out. The LCD isn't glued in and you can just lift that out too. **(BE CAREFUL NOT TO CATCH THE LCD RIBBON AT THE TOP)**



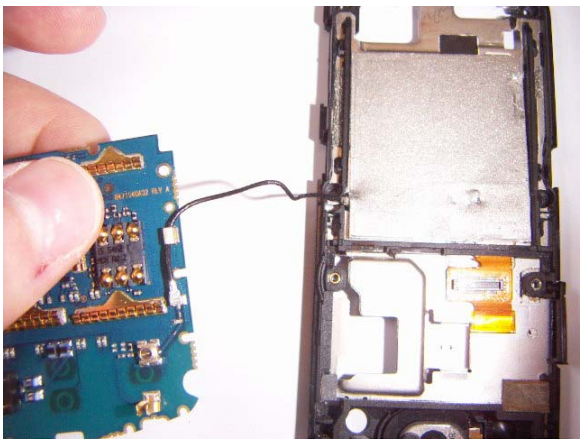
Your phone should now look like this.



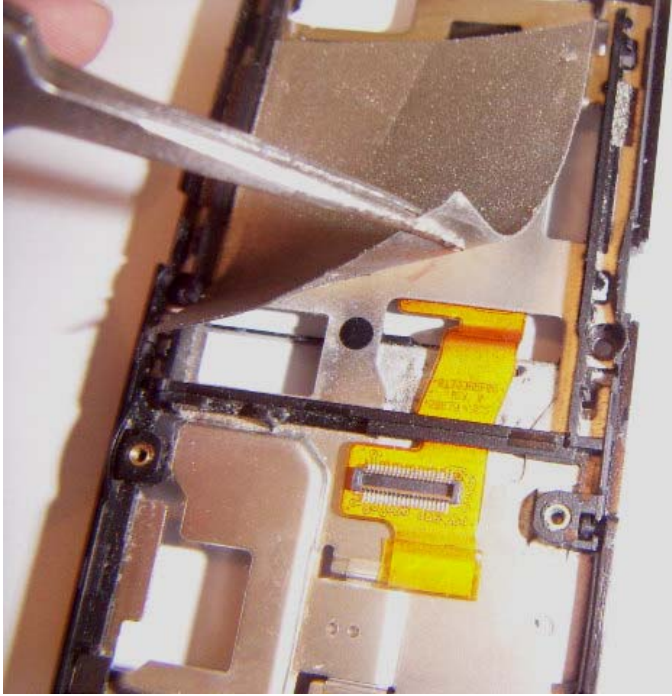
16. Next is to remove the signal cable that is attached to the keypad board. Simply unclip the wire from the plastic gate that it is housed in, Use tweezers to do this and just lift the cable straight out.



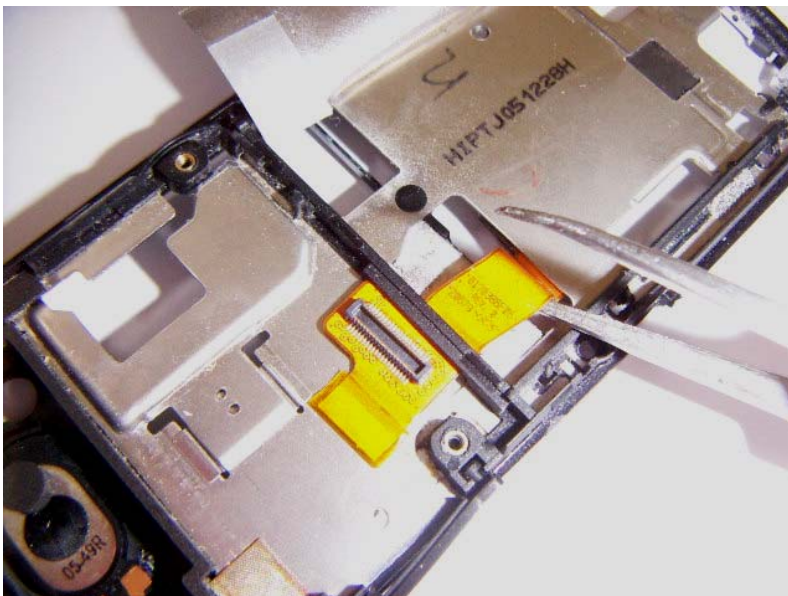
17. Gently pull the cable until it comes through a small hole behind the silver backing.



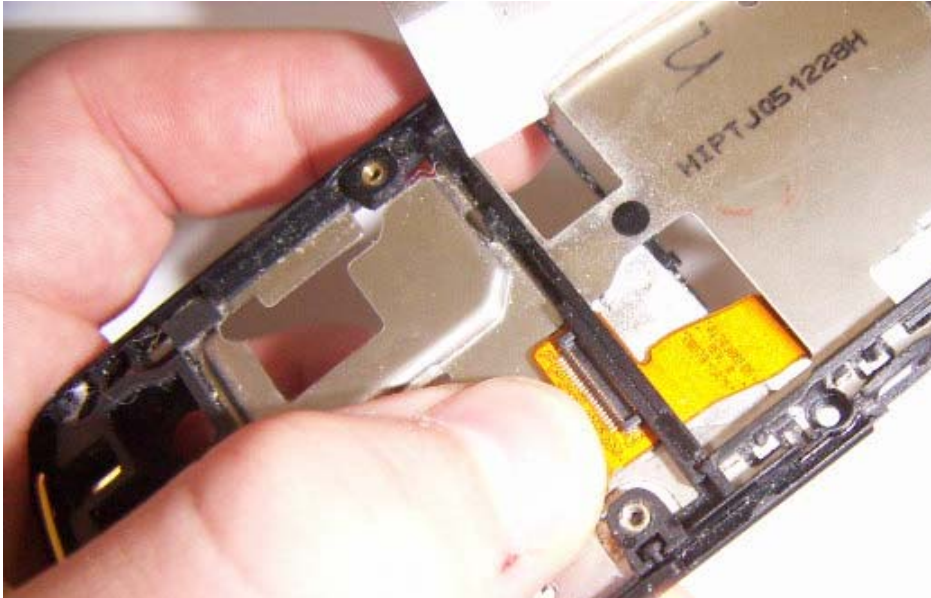
18. Lift up the bottom right hand corner of the silver backing with tweezers or your finger if you can reach it **(BE VERY CAREFUL NOT TO RIP IT OR PULL IT TOO MUCH)** now you should see this.



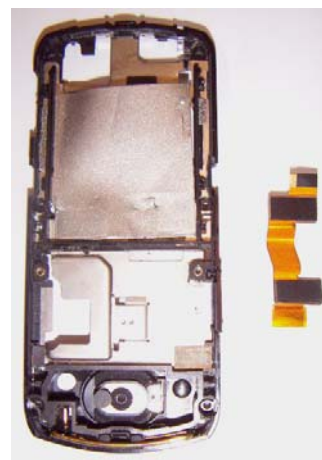
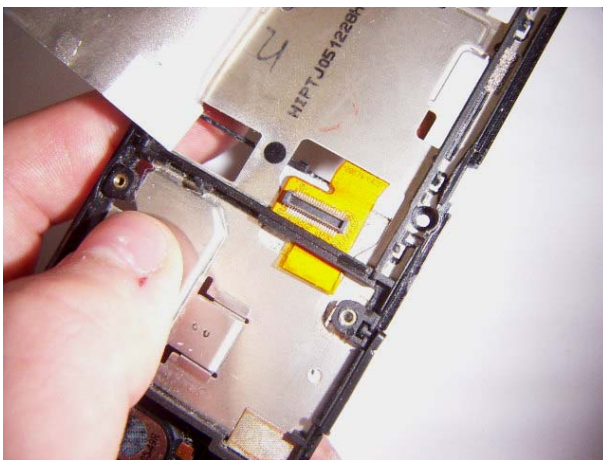
19. The ribbon should be stuck to the silver backing on the opposite side, slide your tweezers between the ribbon and the silver backing **(CAREFULLY AS NOT TO RIP OR SNAG THE RIBBON)**. Now lift it up with the tweezers until it fully unsticks.



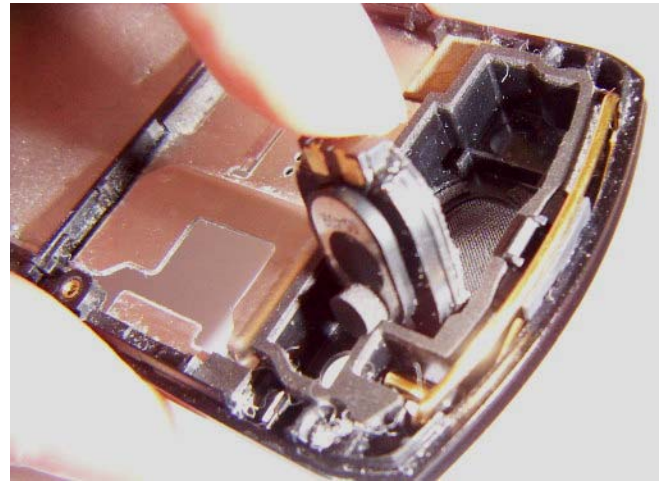
20. Notice a small cut out just bigger than the socket on the ribbon.
Now push the bottom part of the ribbon through the small cut out just above were it sits. Push down and forward so the socket goes through the gap easier, don't force it though.



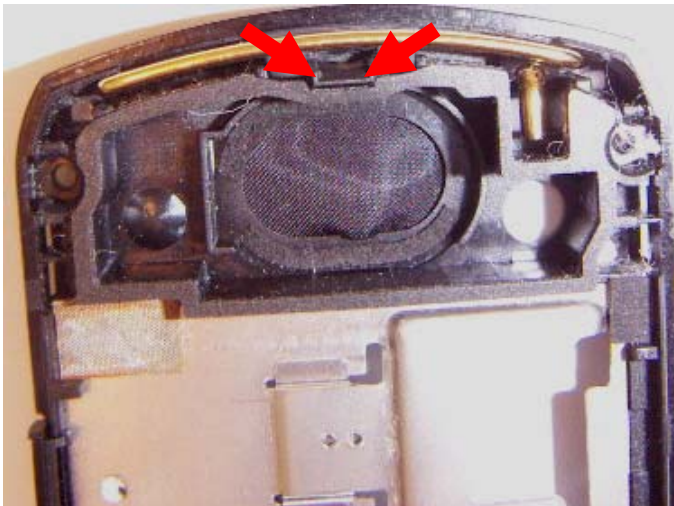
21. Once clear slowly pull the other side of the ribbon until it comes free.



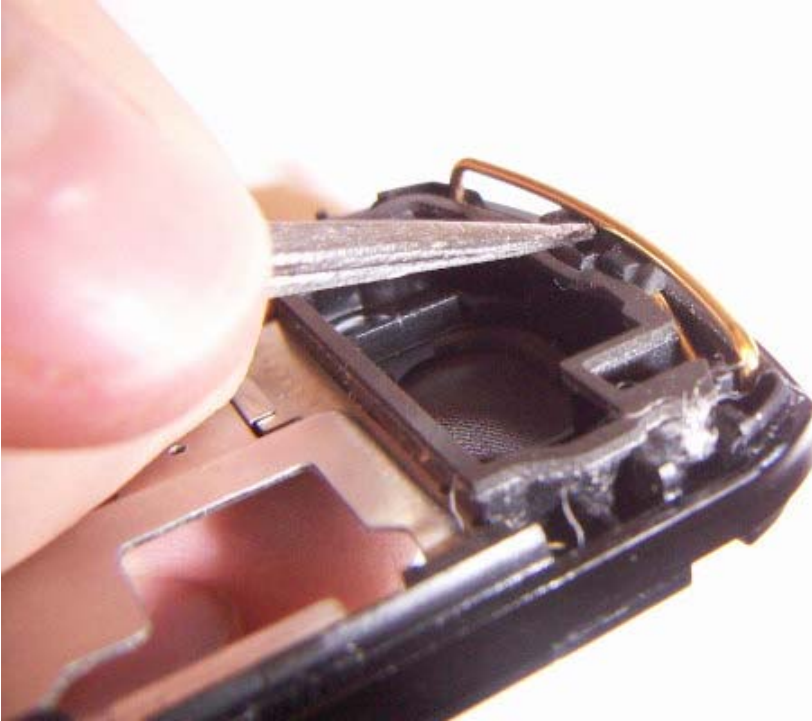
22. To remove the hands free speaker, place the tweezers between the gap where the speaker sits in. Pry it up until you can pull it out with your fingers.



23. To remove the aerial place the tweezers in the gap between the housing and the aerial rubber.

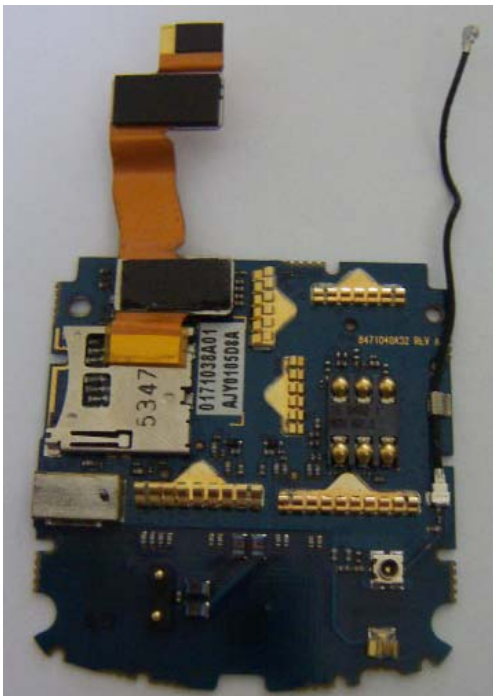


24. Prize up the rubber aerial holder and the aerial will rise out with it.

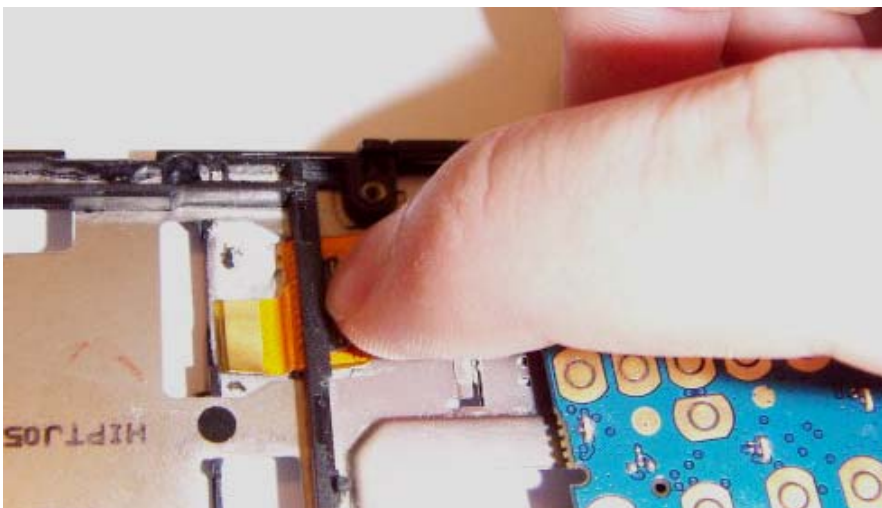


25. Push the aerial into the new housing, and place the hands free speaker back into its surround.

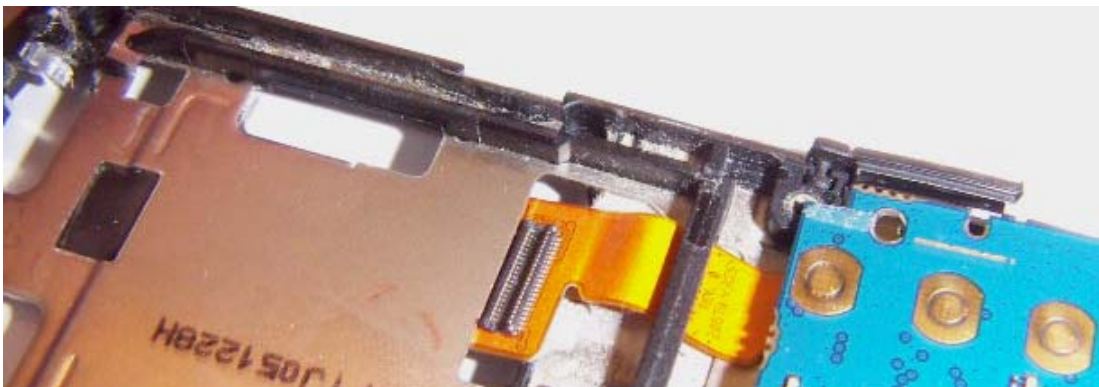
26. Get the keypad board and attach the small screen ribbon back onto the board.



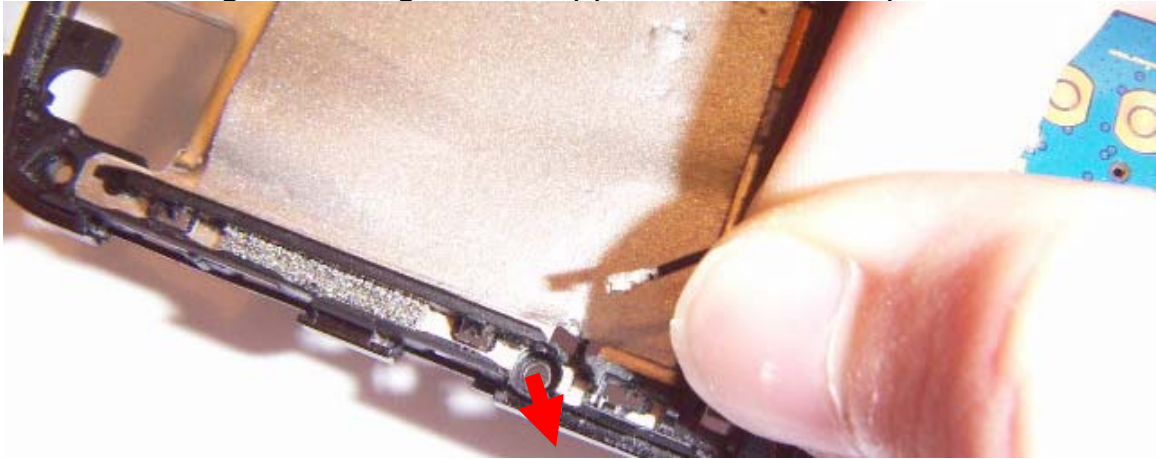
27. Turn the board over and push the top of the ribbon through the gap in the housing. Push down and forward until the connector goes through, wiggle it if it gets stuck. **(BE CAREFUL NOT TO CATCH THE RIBBON)**.



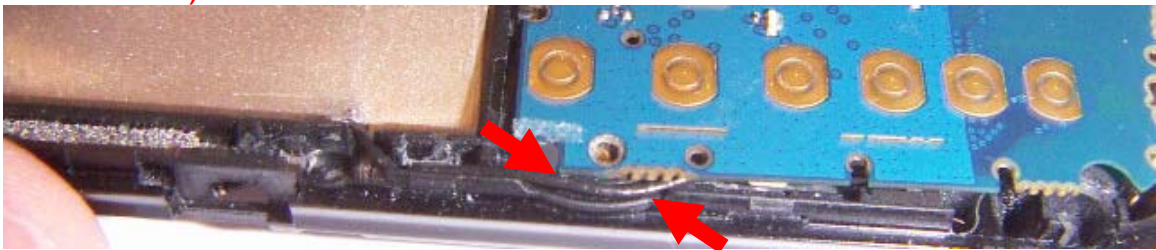
28. Now push the connector down through the metal gap, so that the ribbon is going through the phone.



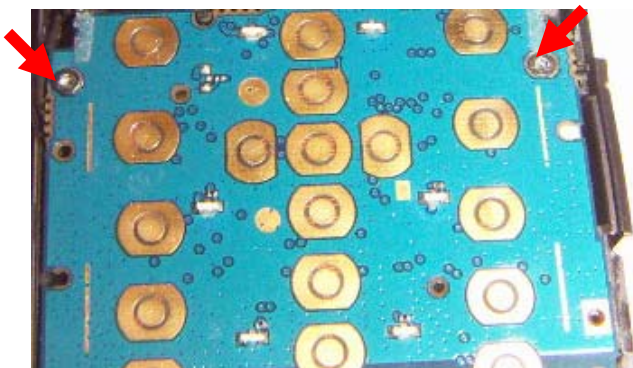
29. Now get the thin signal cable and push it through the hole it came from so it goes through to the opposite side of the phone.



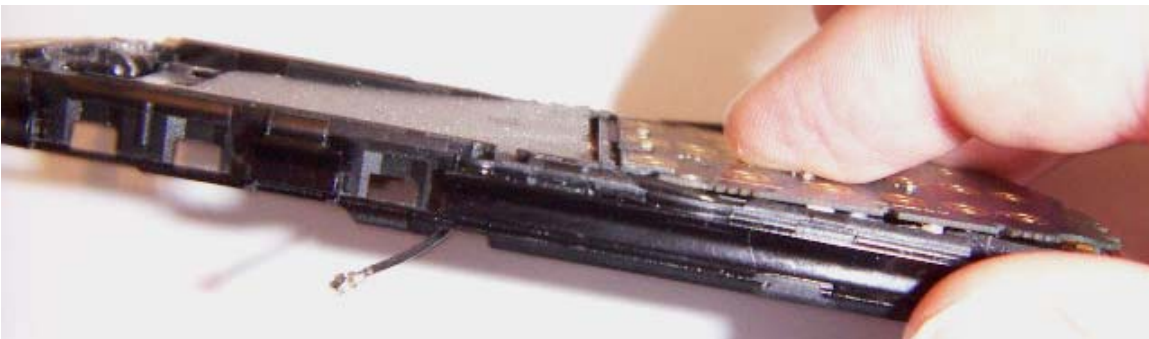
30. Fix the cable back into the little gate clip and make sure the cable runs round the plastic guide at the left side of the housing.
(OTHERWISE IT WILL GET CAUGHT BEHIND THE KEYPAD BOARD)



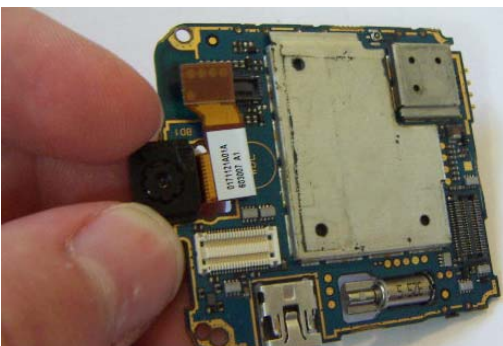
31. Screw the 2 T4 screws back into the keypad.



32. Lay the LCD back into the housing and bend back the sides of the metal frame that covers it **(IT SHOULDN'T BE BENT THAT MUCH AT ALL BUT JUST IN CASE IT IS)**.
33. Push the bottom part of the metal frame between the LCD and the housing, then push down the sides and top so they clip in. The LCD and the frame should now be dead flat.



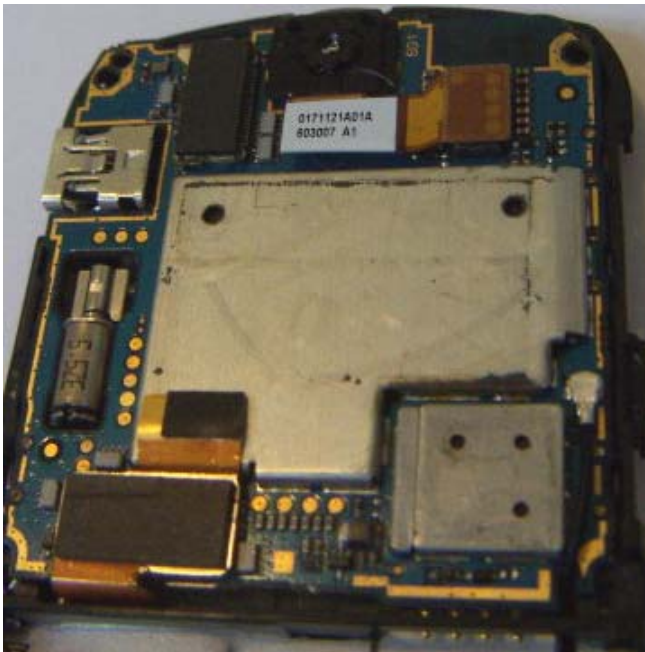
34. Get the mainboard and the camera unit slide the camera unit back into the gap in the mainboard, and connect the ribbon.



35. Turn the phone over and place the mainboard back into the phone, the bottom part with the battery connector goes in first. **(MAKE SURE ALL 3 RIBBONS ARE ABOVE THE BOARD)**

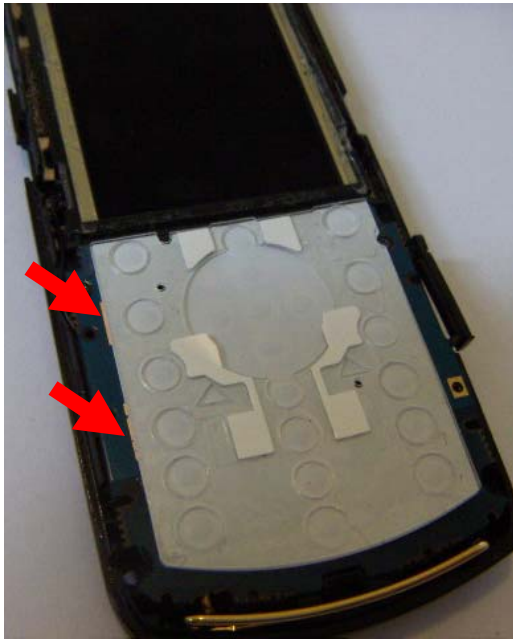


36. Push all the ribbons back into their sockets firmly **(CAREFULLY)**.



37. Slide the side buttons back into place NOTE: THE PAUSE TYPE BUTTON (PTT) GOES ON THE LEFT HAND SIDE.

38. Put the white keypad membrane back onto the keypad board (MAKE SURE ITS LINED UP CORRECTLY WITH THE GOLD LINES AT EACH SIDE! IF IT DOESN'T STICK USE DOUBLE SIDED TAPE ON THE CENTRE TWO SECTIONS).



39. Now place the keypad on top of the membrane, it locates in place and should stay there. Get the front fascia and put the small clip at the front in the gap between the aerial and the housing.



40. Push the left and right hand side until they click into place. Work your way up the housing pushing firmly until all the clips click into place.



41. Your phone should now look like this.



42. Turn the phone over and screw in the 2 bottom T6 screws.

43. Get the large silver panel and place it over the mainboard, push down and back so the board and the panel locate in the housing, hold it in place while you screw all 4 of the T6 screws in.



44. Now place the bottom plastic aerial cover over the bottom part of the housing and push until both left and right sides clip into place.



45. You can now put your battery in and check that your phone turns on. Turn it back off after.

46. Turn the phone over and clean the dust/smears off of the screen.



47. 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. Spend as long as you can on this! So it's perfect.



48. Stick the screen down.

49. Put in your sim card and battery. Then your new battery cover.

50. Power on your phone and voila!

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

Version:

This is Version 1.0.

I hope this guide helps a lot of people. 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!