



How to fix an iPhone 4 home button

While looking for repairs for the home button,...

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INTRODUCTION

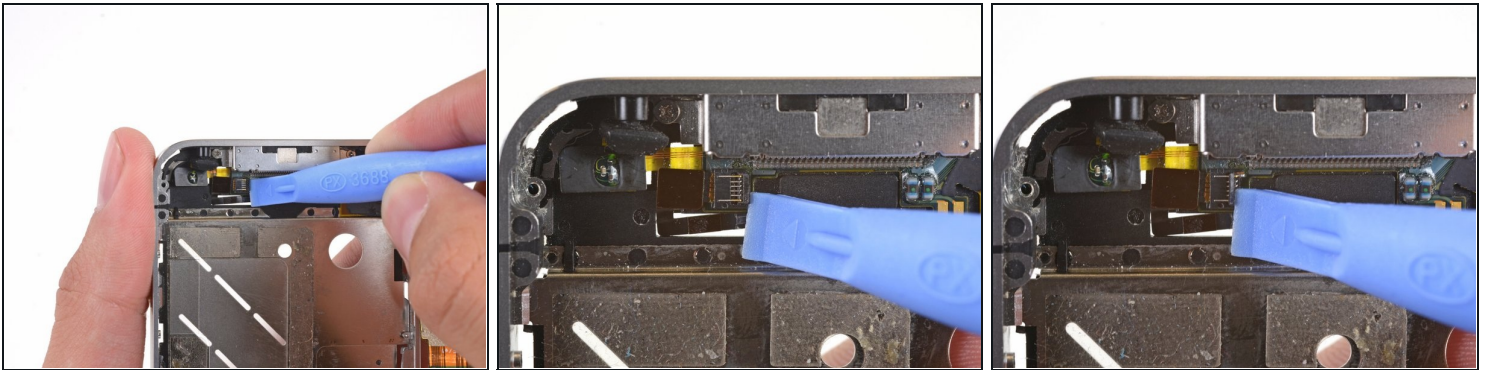
While looking for repairs for the home button, I stumbled upon stupid ideas of spraying WD40 or white spirit onto the button, without disassembling the device. Because of the design of the button, white spirit (or worse, WD40) can NEVER reach the contacts

Iphone's home button tends to become unresponsive over the time. These couple of pictures show the reasons and easy fix. Photos are taken during the repair of my own device. Probably it works with other iphones too.

TOOLS:

- [2.5 mm Flathead Screwdriver](#) (1)
 - [P2 Pentalobe Screwdriver iPhone](#) (1)
 - [SIM Card Eject Tool](#) (1)
 - [Phillips #000 Screwdriver](#) (1)
 - [iFixit Opening Tool](#) (1)
 - [Spudger](#) (1)
 - [Tweezers](#) (1)
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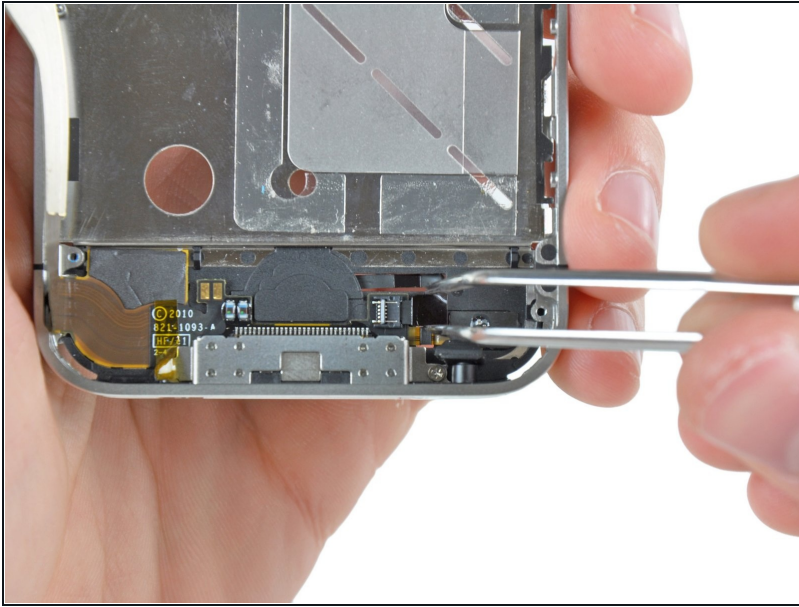
Step 1 — Home Button



- Use the edge of an iPod opening tool or your fingernail to lift the home button ribbon cable retainer.

 Be sure you are prying up on the cable retainer, **not** the socket itself.

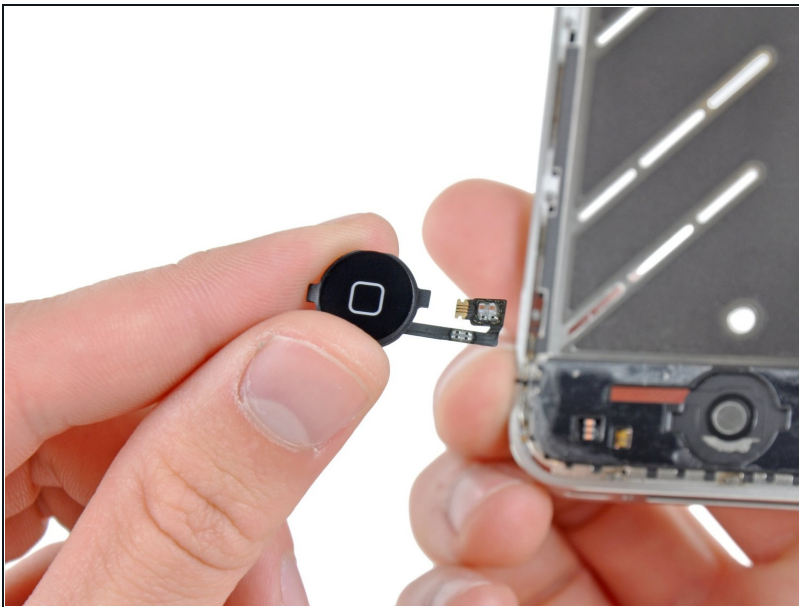
Step 2



- Use a pair of [tweezers](#) to pull the home button ribbon cable out of its socket.

⚠ Do not excessively strain the home button ribbon cable, as it is very thin and delicate. Also, be careful with the two small electronic parts on the ribbon cable. It is very easy to damage them with tweezers.

Step 3



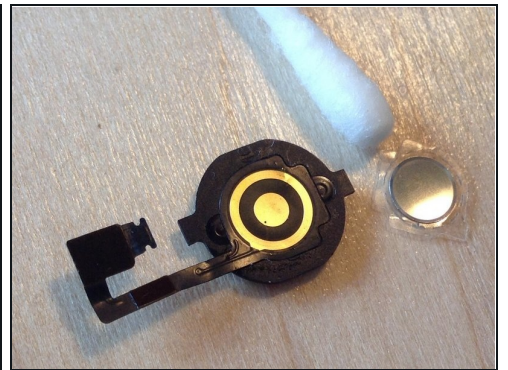
- De-route the home button ribbon cable through the inner case and remove the home button from the iPhone.
- ⓘ When installing a new part, there may be a protective plastic film on the home button. It can be removed with a spudger or your fingernail.

Step 4 — How to fix an iPhone 4 home button



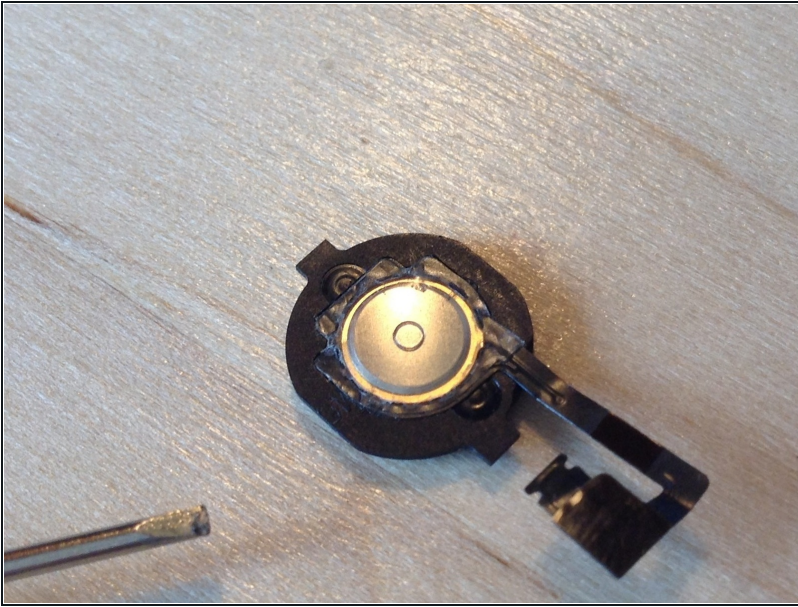
- You need really thin blade to carefully peel off the plastic film from the back of the button. Do NOT touch the glue with your finger!

Step 5



- After disassembly, you need some white spirit and cotton buds to clean up greenish oxide on both: button back contacts and steel cap's inside.
- Last picture shows cleaned details.

Step 6



- On reassembly, you have to position the steel cap in the center of copper contact ring, placing plastic sticker into its respective cavity on the back of the button.
- Press the sticker firmly into its place. Don't worry if it doesn't stick all the way round. its position under the glass keeps the details in place. Again, try to prevent touching the glue while disassembling.
- Congrats! Re-assemble your device and enjoy your revived home button!

To reassemble your device, follow these instructions in reverse order.