

## How to Change Apple iPhone 3GS Housing Back Cover

Source: *ecaseshop*

Dated: Apr 26, 2010

*Replace your iPhone 3GS Housing to this new iPhone 3GS Housing Back Cover, you can select the Chrome red, silver, green, coffee, gold, purple, white and black, view this "How to replace iPhone 3GS Housing Back Cover Replacement".*

### Change Apple iPhone 3GS Back Cover Housing

DIY Apple iPhone 3GS Back Cover Housing, Restore your Apple iPhone 3GS to its former glory with this New Replacement Back Cover. give your Apple iPhone 3GS a whole new face. You can use the following install instruction to replace your old iPhone 3GS Back Housing Cover with new iPhone Back Cover Housing. (Note: This install instruction is only for reference, Please consider whether you can do it.)

Buy other color iPhone 3GS Housing Back Cover at ther this link:

[http://www.ecaseshop.com/apple\\_iphone-3g-2g-cases\\_iphone-3gs-replacement-parts.html](http://www.ecaseshop.com/apple_iphone-3g-2g-cases_iphone-3gs-replacement-parts.html)

#### Step 1

- The original iPhone was very difficult to open, but we expect the 3GS (like the 3G) to be quite serviceable. There are still two visible screws on the bottom of the phone, which is a good sign for easy opening.

- Remove the two bottom screws with a Phillips #00 screwdriver.

#### Step 2

- A small suction cup is your friend. A large suction cup may also be a fun toy(or you can use the opening tools to open the front cover).

- There are seven numbered connectors on the 3GS, up from six on the 3G. Connector number seven is in the lower right corner, just above the dock connector.

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#### Step 3

- There are three cables holding the LCD and digitizer to the rest of the logic board. Disconnecting them is as easy as 1-2-3.

- o 1: LCD panel

- o 2: Digitizer

- o 3: Ear speaker

#### Step 4

- Here's the two halves.

- All the chips on the logic board are hidden beneath two large EMI shields. We'll have those removed in just a bit.

#### Step 5

- Just like the iPhone 3G, the LCD is pretty easy to replace. After removing 7 screws, the LCD simply lifts out.

- On the iPhone 3G, we see a lot more cracked digitizers than cracked LCDs. Replacing the digitizer is a little more work, and requires breaking out a heat gun or hair dryer.

#### Step 6

- Here's the fabled "Do not remove" sticker. It didn't stop us last year, and it's certainly not going to stop us this year.

#### Step 7

- Removing the logic board. Like the 3G, there is a single large PCB with all components.

#### Step 8

- The main logic board. There's a lot packed in here. Here's a high-res image of this shot.
- The Apple-logo chip is the primary Samsung ARM processor.
- The 16 GB of Toshiba flash are now on the front of the board, just below the Samsung ARM.
- phoneWreck sent us a great component diagram (second picture). They performed a thorough chip analysis of the iPhone 3GS, so check out their site!

#### Step 9

- The other side of the logic board. You can see the battery contact pads in the lower right corner. Apple was again kind enough to not solder the battery to the logic board.
- Here's a high-res image of this shot.

#### Step 10

- Apple promises improved battery life with the 3GS. The battery is listed as 3.7V and 4.51 Whr. This comes out to 1219 mAh, compared to 1150 mAh on the 3G. That's only a 6% increase.

#### Step 11

- Video recording is a long-overdue feature of the iPhone 3GS. The 3GS records video at 640x480 resolution and 30 fps.
- The video recording quality appears acceptable, although not exceptional. You can see a video (taken using another iPhone 3GS) of us opening the phone.

#### Step 12

- The 3GS offers Voice Control. We're not sure yet why this feature couldn't be added via software to earlier iPhones. Perhaps the voice recognition requires a better microphone than in earlier iPhones or a lot of processing power, or maybe Apple just wanted to differentiate the 3GS.
- According to Richard Lai, the "Chinese (Cantonese) voice control works, but took a while to work out the magic words as there is no guide released yet (not out in Hong Kong until early July)." He also tested the "Chinese (Mandarin) and Chinese (Taiwanese), although the latter didn't work as well since [he doesn't] do the accent well."

#### Step 13

- Rewind....parts go back in, just in a new housing case

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