



HTC Desire 510 Touch screen Glass and/or LCD Display

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INTRODUCTION

HTC Desire 510 / RIO - How to replace broken, not working Digitizer glass and/or LCD Display.

[video: <https://www.youtube.com/watch?v=xP50fhhL-B8>]

TOOLS:

- [iFixit Opening Tools](#) (1)
 - [Spudger](#) (1)
 - [T5 Torx Screwdriver](#) (1)
 - [Tweezers](#) (1)
 - [Heat Gun](#) (1)
 - [adhesive tape 3 mm](#) (1)
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Step 1 — BATTERY REMOVAL



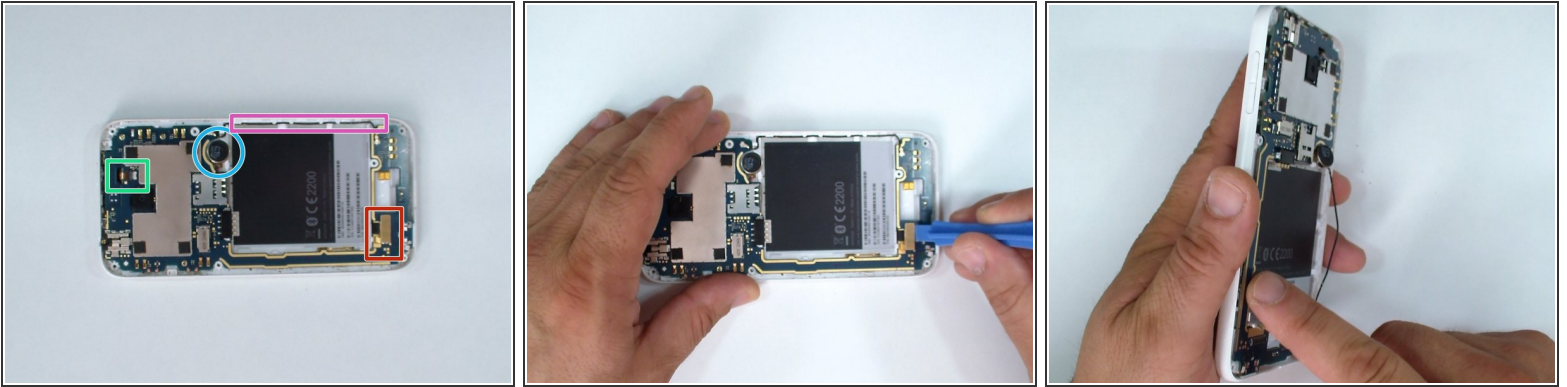
- Switch off the phone, remove the battery and any installed SIM and memory cards.
- Remove 7x Torx T5 screws.

Step 2 — REAR BEZEL REMOVAL



- Use a plastic tool to remove the rear bezel.
- The loudspeaker is on the inner side of the rear bezel.

Step 3 — FLEX CABLES DISCONNECTING



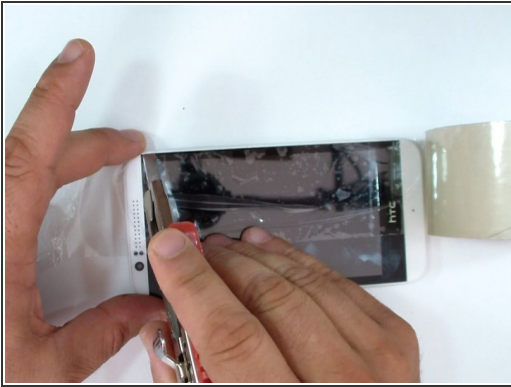
- Disconnect the touch screen flex cable.
 - Disconnect the light sensor flex cable.
 - Unstuck the vibra-motor from the middle frame.
 - Remove the coaxial antenna cable from the middle frame.
- ⚠ The LCD display flex cable is connected to the bottom side of the board.

Step 4 — LOGIC BOARD REMOVAL



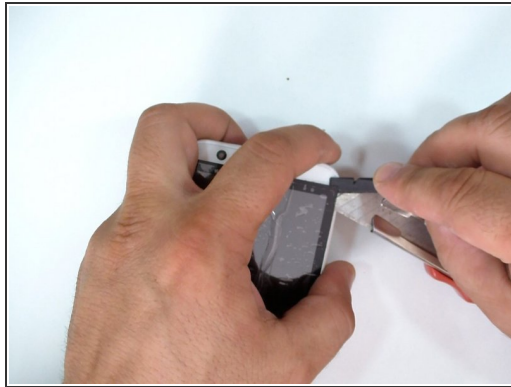
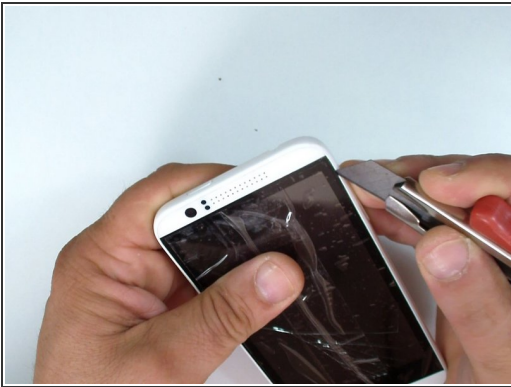
- At the upper left side, the board is held by a plastic locking clip. Use a plastic tool and start the separating from here.
- Gently disconnect the LCD display flex cable.
- Now remove the logic board.

Step 5 — PREPARATION THE GLASS



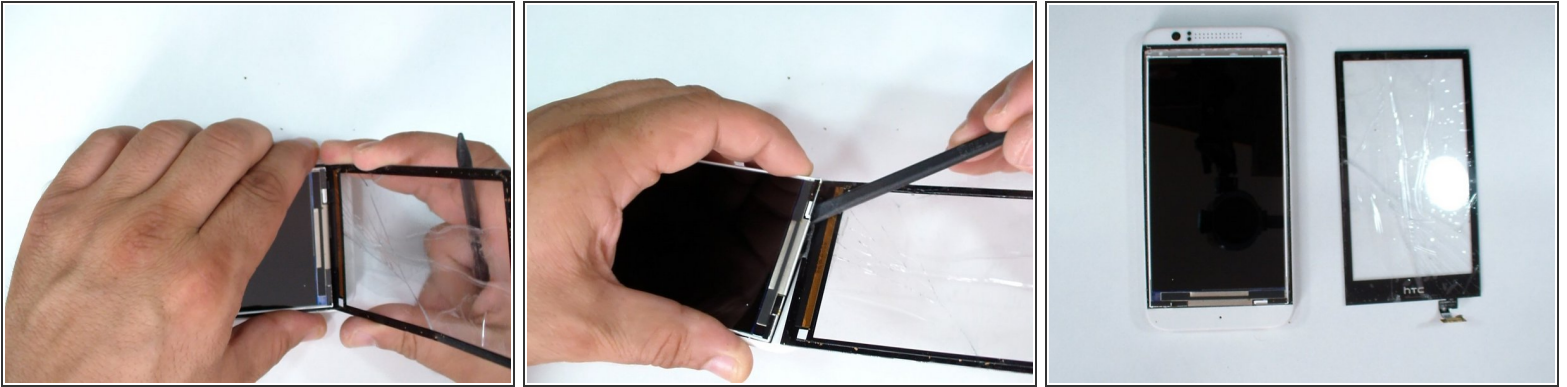
- Put a scotch tape to prevent the glass from scattering.
- Use a hot gun or hair dryer and warm the glass. This will make the adhesive soften and the separation easier.

Step 6 — SEPARATION THE GLASS



- Use a cutter and slightly lift the glass in one of the corners. When you make enough room, put a plastic tool.
- Continue the separating with plastic tools to prevent the middle frame from scratches.

Step 7 — SEPARATION THE GLASS (2)



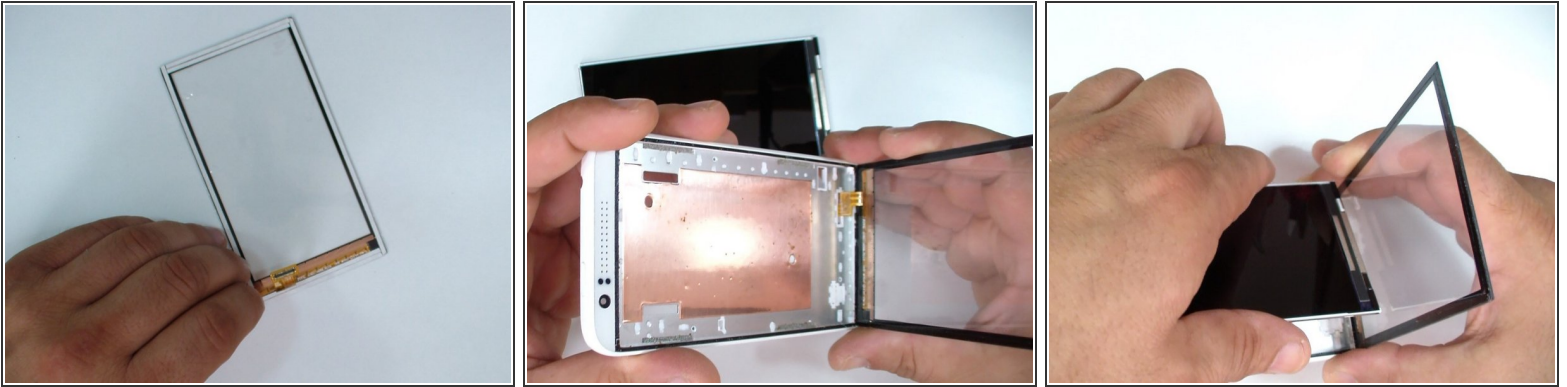
- The digitizer flex cable goes under the LCD display.
- Slightly lift the display and unstuck the digitizer ribbon cable from the from the rear side of the display.

Step 8 — LCD DISPLAY



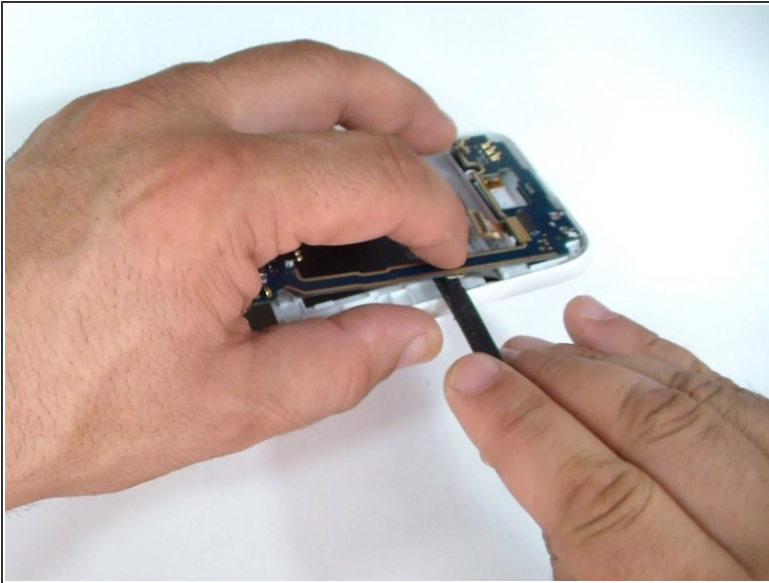
- If you have a broken LCD display, use a plastic tool and remove it from the middle frame.
- It's not glued to the frame.

Step 9 — INSTALLING THE NEW SPARE PART



- Install a new adhesive tape on the digitizer glass.
- First put the touch screen flex cable in the right hole and then install the LCD Display.

Step 10 — REASSEMBLING



- Now is time to reassemble the phone.
- That's all.
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- .
- .
- .
- **Did you do it successfully?**

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