This guide walks you through how to completely disassemble the iPad Mini (Retina Display) A1489 Apple tablet. Following the easy to follow steps we have provided will help you quickly, and safely, replace not only a broken iPad Mini Retina display assembly, but also any other internal components that may have become damaged.

You can find a full archive of fixez.com disassemble guides and repair videos, for numerous makes and models of smartphones and tablets, by visiting http://www.fizez.com.
Before you start to repair the iPad Mini Retina, make sure you are aware of the antennas on either side of the home button. When prying up the touch screen digitizer of the iPad Mini be mindful of these parts so you do not damage them (shown with orange arrows).

The following process is recommended only on an Apple tablet with a CRACKED or DAMAGED touch screen digitizer that requires replacement.

First, use the heat gun/blow dryer to begin warming up the adhesive securing the touch screen digitizer assembly to the iPad Mini’s rear case.

Next, slip the precision knife tool between the tight seam of the glass touch screen and the iPad’s rear case to begin the separation of the two parts.

Once the two parts are separated slightly, you can use a plastic or triangle opening tool to continue working around the tablet.
4 While working around the perimeter of the iPad Mini Retina prying up the touch screen digitizer, use triangle opening tools to make sure the glass does not come back in contact with the adhesive.

When you have completely separated the touch screen digitizer, lift it from the bottom (home button side) of the iPad Mini Retina similar to opening a book. Do not completely remove it as the touch screen digitizer ribbon cable is still connected to the motherboard.

Retina Display

5 Locate and remove the four small Phillips screws (#00) that secure the Retina display into the iPad Mini (marked with solid orange circles).

Lift the Retina display out of the iPad similar to opening a book (the same way you did your touch screen digitizer), resting it on the touch screen.

6 Next, locate and remove the seven small Phillips screws (#00) that secure a metal protective plate into the iPad (marked with solid orange circles).
Now, locate and remove the three small Phillips screws (#00) that secure the metal protective plate that covers the Retina display & touch screen digitizer cables (marked with solid orange circles).

With the protective plate removed, use the plastic opening tool or nylon spudger to gently release the connections from the motherboard. You can now remove the Retina display & touch screen digitizer from the iPad Mini Retina.

**Front-Facing Camera**

The housing that aligns and secures the front-facing camera is held in place with a small amount of adhesive. Carefully pry the housing up and out of the iPad Mini.

The front-facing camera flex cable can be disconnected using the plastic opening tool or fine tip curved tweezers. You can now remove the front-facing camera.

**Headphone Jack Assembly**

Locate and remove the one Phillips screw (#00) that secures the headphone jack into the top of the iPad Mini (marked with a solid orange circle).

Use the fine tip curved tweezers or plastic opening tool to release the cable for the headphone jack (located to the right of the front-facing camera).

The microphone portion of the assembly is secured in place with a small amount of adhesive; the use of a heat gun or blow dryer is encouraged to warm up the adhesive and prevent any damage to the delicate flex cable.
Rear-Facing Camera

10 Locate and remove the one small Phillips screw (#00) that secures rear-facing camera into the corner of the iPad Mini Retina (marked with a solid orange circle).

Now use the fine tip curved tweezers or plastic opening tool to release the cable for the rear-facing camera. The rear-facing camera is secured in place with a small amount of adhesive, use the fine tip curved tweezers to pry it up from its location and remove it from the iPad Mini Retina.

Loudspeaker Assemblies

11 Locate and remove the nine small Phillips screws (#00) that secure both loudspeaker assemblies and antennas into the rear case of the tablet (marked with solid orange circles).

Next, locate and disconnect the two coaxial cables on the motherboard (marked with open white circles).

12 The loudspeaker assemblies, which each have a WiFi antenna adhered to the top of them, will easily slide out from their housing located toward the bottom of the iPad Mini Retina.
WiFi Antennas

13 Use the flat side of your spudger or plastic opening tools to carefully separate the WiFi antennas from the top of each loudspeaker.

Power & Volume Button Assembly

14 Locate and remove the one small Phillips screw (#00) that secures the ribbon cable connection into the side of the iPad Mini (marked with solid orange circle).

Use the fine tip curved tweezers or plastic opening tool to release this connection, peel it to the side revealing the securing screws for the power & volume button assembly.

15 Next, locate and remove the four small Phillips screws (#00) that secure the power & volume button assembly into the side of the iPad Mini Retina (marked with solid orange circles).

With the screws removed, you can maneuver the power and volume button assembly up and out of the iPad Mini Retina.
Motherboard (w/Lightning Connector) & Battery

16 First, use the nylon spudger to release the battery connection from the motherboard.

17 Now, locate and remove the five small Phillips screws (#00) that secure the motherboard, as well as the dock connector, into the bottom of the iPad Mini’s rear case (marked with solid orange circles).

   With the securing screws removed and connections released, your motherboard should be free to lift up and remove from the iPad Mini.

18 The battery is secured into the rear case of the iPad Mini Retina with quite a bit of adhesive, use the heat gun or blow dryer to warm up the rear case of the tablet and soften up the adhesive securing the battery.
Next, use the flat side of your spudger to carefully pry up and release the battery from the securing adhesive. When prying up the battery, be careful not to bend or damage it.
Breakdown

1. iPad Mini (Retina) Rear Case/Housing
2. iPad Mini Retina Display
3. iPad Mini (Retina) Touch Screen Digitizer
4. iPad Mini (Retina) Headphone Jack and Microphone Assembly
5. iPad Mini (Retina) WiFi Antenna
6. iPad Mini (Retina) Rear-Facing Camera
7. iPad Mini (Retina) Loudspeakers
8. iPad Mini (Retina) Front-Facing Camera
9. iPad Mini (Retina) Power & Volume Button Assembly
10. iPad Mini (Retina) Motherboard w/Lightning Connector
11. iPad Mini (Retina) Battery

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