# Opening Procedure

Prerequisite-only guide for opening an iPhone...

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# INTRODUCTION

Prerequisite-only guide for opening an iPhone XR, allowing access to internal components for repair or replacement.

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🔧 **TOOLS:**

iOpener (1)
iFixit Opening Picks (Set of 6) (1)
Suction Handle (1)
P2 Pentalobe Screwdriver iPhone (1)
Anti-Clamp (1)

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## Step 1 — Tape over any cracks



ⓘ If your iPhone has a cracked screen, keep further breakage contained and prevent bodily harm during your repair by taping over the glass.

- Lay overlapping strips of clear packing tape over the iPhone's screen until the whole face is covered.

⚠️ Wear safety glasses to protect your eyes from any glass shaken free during the repair.

- If you can't get the suction cup to stick in the next few steps, fold a strong piece of tape (such as duct tape) into a handle and lift the screen with that instead.
  ⓘ If all else fails, you can superglue the suction cup to the screen.

## Step 2 — Anti-Clamp instructions



- ⓘ The next three steps demonstrate the [Anti-Clamp](#), a tool we designed to make the opening procedure easier. **If you aren't using the Anti-Clamp, skip down three steps for an alternate method.**
  - ⓘ For complete instructions on how to use the Anti-Clamp, [check out this guide](#).

- Pull the blue handle backwards to unlock the Anti-Clamp's arms.

- Slide the arms over either the left or right edge of your iPhone.

- Position the suction cups near the bottom edge of the iPhone—one on the front, and one on the back.

- Squeeze the cups together to apply suction to the desired area.
  - ⓘ If you find that the surface of your iPhone is too slippery for the Anti-Clamp to hold onto, you can [use tape](#) to create a grippier surface.

## Step 3



- Pull the blue handle forward to lock the arms.

- Turn the handle clockwise 360 degrees or until the cups start to stretch.

- Make sure the suction cups remain aligned with each other. If they begin to slip out of alignment, loosen the suction cups slightly and realign the arms.

## Step 4



- [Heat an iOpener](#) and thread it through the arms of the Anti-Clamp.
  - ⓘ You can also use a [hair dryer](#), [heat gun](#), or hot plate—but extreme heat can damage the display and/or internal battery, so proceed with care.

- Fold the iOpener so it lays on the bottom edge of the iPhone.

- Wait one minute to give the adhesive a chance to release and present an opening gap.

- Insert an opening pick under the screen and the plastic bezel, **not the screen itself**.
  - ⓘ If the Anti-Clamp doesn't create a sufficient gap, apply more heat to the area and rotate the handle a quarter turn.

  - ⚠ Don't crank more than a quarter turn at a time, and wait one minute between turns. Let the Anti-Clamp and time do the work for you.

- **Skip the next three steps.**

## Step 5 — Heat up the screen



ⓘ Heating the lower edge of the iPhone helps soften the adhesive securing the display, making it easier to open.

● Use a hairdryer or heat gun, or [prepare an iOpener](#) and apply it to the lower edge of the iPhone for about a minute in order to soften up the adhesive underneath.

## Step 6



● If you're using a single suction handle, apply it to the bottom edge of the phone, while avoiding the curved portion of the glass.

## Step 7 — Lift the display slightly



- Pull up on the suction cup with firm, constant pressure to create a slight gap between the front panel and rear case.

- Insert an opening pick under the [screen and the plastic bezel](#), **not the screen itself**.

- ⓘ The watertight adhesive holding the display in place is very strong; creating this initial gap takes a significant amount of force. If you're having a hard time opening a gap, apply more heat, and gently rock the screen up and down to weaken the adhesive until you create enough of a gap to insert your tool.

## Step 8 — Separate the screen adhesive



- Slide the opening pick around the lower left corner and up the left edge of the iPhone, slicing through the adhesive holding the display in place.

  ⚠️ Don't insert your pick more than 3 mm, as you may damage internal components.

## Step 9 — Screen information



⚠️ There are delicate cables along the right edge of your iPhone. **Don't insert your pick at the marked spots**, as you may damage the cables.
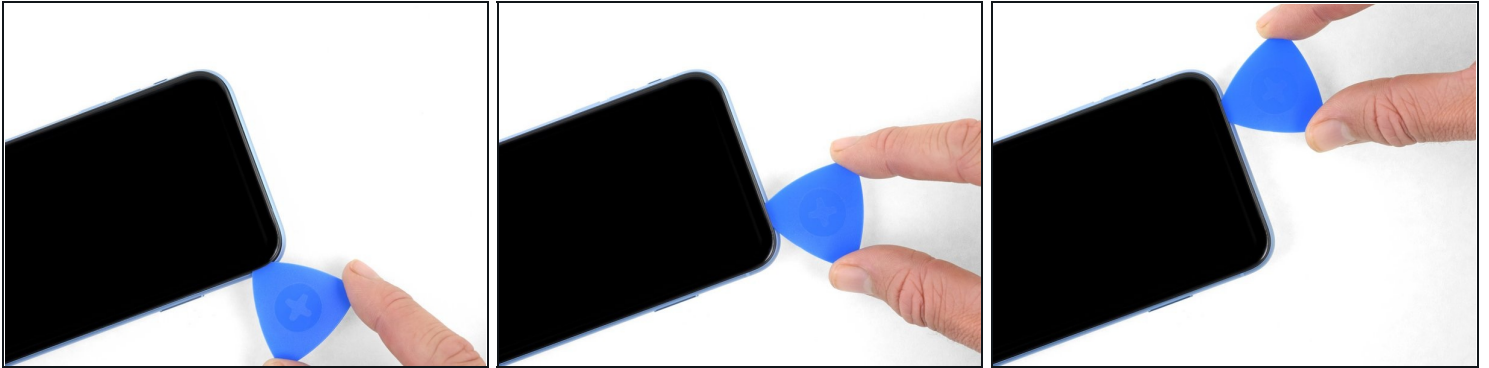
## Step 10



- Re-insert your pick at the bottom edge of the iPhone, and slide it up the right side to continue separating the adhesive.

⚠️ Don't insert your pick more than 3 mm, as you may damage the display cables.

## Step 11



ⓘ The top edge of the display is secured with both glue and clips.

- Slide the opening pick around the top corner of the display, while gently pulling or wiggling the display **down** in the direction of the Lightning port.
  ⚠ The clips will break if you use too much force. Work carefully and be patient.

  ⚠ Don't insert your pick more than 3 mm, as you may damage the front panel sensor array.

- Slide the pick to the opposite corner and cut any remaining adhesive securing the display.

## Step 12



- Pull on the small nub on the suction cup to remove it from the front panel.

## Step 13 — Open the iPhone



- Open the iPhone by swinging the display up from the left side, like the back cover of a book.

⚠️ Don't try to fully separate the display yet, as several fragile ribbon cables still connect it to the iPhone's logic board.

- Lean the display against something to keep it propped up while you're working on the phone.

☑️ During reassembly, lay the display in position, align the clips along the top edge, and carefully press the top edge into place before snapping the rest of the display down. If it doesn't click easily into place, check the condition of the clips around the perimeter of the display and make sure they aren't bent.

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