



# Xiaomi Redmi Note 7 Screen Replacement

How to replace a cracked or broken screen on your Xiaomi Redmi Note 7.

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# INTRODUCTION

Use this guide to replace a cracked or broken screen on your Xiaomi Redmi Note 7.

If the frame is deformed, it's important to replace it to make sure the new screen will mount correctly and won't suffer damage from uneven pressure.

**Before disassembling your phone, discharge the battery below 25%.** The battery can catch fire and/or explode if accidentally punctured, but the chances of that happening are much lower if discharged.

Note: This guide instructs you to replace only the screen while leaving the original frame and motherboard in place. However, some replacement screens for this phone come pre-installed in a new frame (a.k.a. chassis), which requires a very different procedure. Make sure you have the correct part before starting this guide.

You'll need replacement adhesive to reattach components when reassembling the device.



## TOOLS:

- [iOpener](#) (1)
- [Suction Handle](#) (1)
- [iFixit Opening Picks \(Set of 6\)](#) (1)
- [Tweezers](#) (1)
- [Spudger](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [iFlex Opening Tool](#) (1)



## PARTS:

- [Precut Adhesive Card](#) (1)
- [iFixit Adhesive Remover \(for Battery, Screen, and Glass Adhesive\)](#) (1)

## Step 1 — Loosen the rear glass adhesive



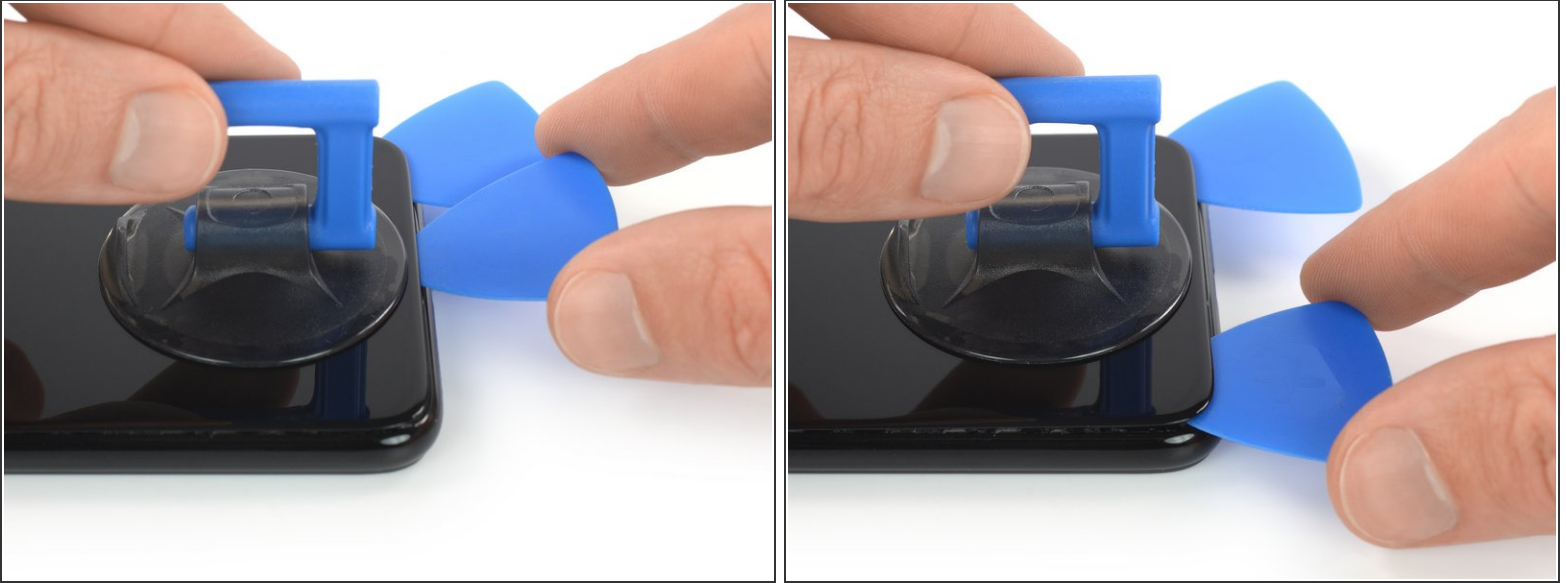
- Apply a [heated iOpener](#) to the rear glass to loosen the adhesive underneath. Apply the iOpener for at least two minutes.

## Step 2 — Insert an opening pick



- Secure a suction handle to the bottom edge of the rear glass, as close to the edge as possible.
  - ❗ If your rear glass is badly cracked, [covering it with a layer of clear packing tape](#) may allow the suction cup to adhere. Alternatively, very strong tape may be used instead of the suction cup. If all else fails, you can superglue the suction cup to the rear glass.
- Lift the rear glass with the suction handle to create a small gap between the glass and the frame.
  - ❗ In case you have trouble creating a gap, apply more heat to further soften the adhesive. Follow the iOpener instructions to avoid overheating.
- Insert an opening pick into the gap.
- Slide the opening pick to the bottom right corner to slice the adhesive.

### Step 3 — Slice the bottom edge adhesive



- Insert a second opening pick and slide it to the bottom left corner to slice the adhesive.
- Leave the opening picks in place to prevent the adhesive from resealing.

### Step 4 — Slice the lefthand-side adhesive



**i** If the adhesive becomes hard to cut, it has most likely cooled down. [Use your iOpener](#) to reheat it.

- Insert a third opening pick at the bottom left corner.
- Slide the opening pick along the left edge of the phone to slice the rear glass adhesive.
- Leave the opening pick in its place at the top left corner to prevent the adhesive from resealing.



## Step 5 — Slice the top edge adhesive



- Insert a fourth opening pick under the top left corner of the rear glass.
- Slide the opening pick along the top edge of the phone to slice the rear glass adhesive.
- Leave the opening pick in the top right corner to prevent the adhesive from resealing.

## Step 6 — Slice the righthand-side adhesive



- Insert a fifth opening pick at the top right corner of the phone.
- Slide the opening pick along the right edge to slice the remaining adhesive.

**⚠ Don't try to remove the rear glass all the way yet. The fingerprint sensor is still connected to the motherboard.**

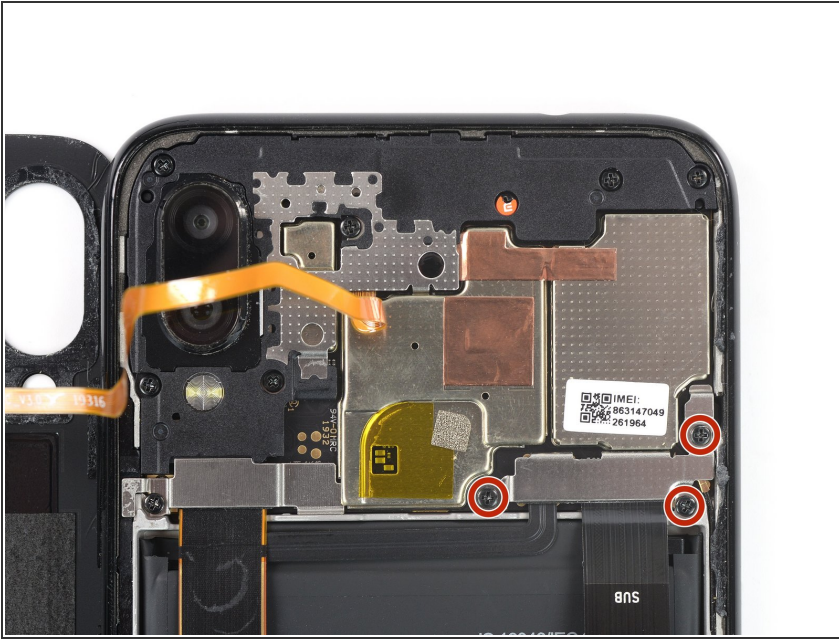
## Step 7 — Open up the phone assembly



- Carefully fold the rear glass to the left side of the phone assembly like you'd open the front cover of a book.

**⚠ Avoid tensioning the fingerprint flex cable during this process.**

## Step 8 — Unfasten the screws



- Use a Phillips screw driver to remove the three 3.3 mm-long screws securing the connector cover to the midframe.

## Step 9 — Remove the connector cover



- Use a pair of tweezers to remove the connector cover.



## Step 10 — Disconnect the battery



- Use the flat end of a spudger to pry up and disconnect the battery flex cable from the motherboard.

## Step 11 — Peel the protective foil off



- ❗ For easier handling during repairs we highly recommend to separate the back cover including the fingerprint sensor from the phone assembly.
- Use a pair of tweezers to carefully peel the yellow protective foil off the ZIF connector.

## Step 12 — Open the ZIF connector



- Use the pointed end of a spudger to open the ZIF connector by bringing its black flap in an upright position.

## Step 13 — Disconnect the fingerprint flex cable



- Disconnect the fingerprint flex cable by pulling it straight out off the ZIF connector using a pair of tweezers.



## Step 14 — Unfasten the screws



- Use a Phillips screw driver to remove the eight 3.3 mm-long screws securing the loudspeaker assembly.

## Step 15 — Remove the loudspeaker assembly



- Slide an opening pick underneath the right edge of the loudspeaker assembly.
- Use the opening pick to pry up the loudspeaker assembly.
- Remove the loudspeaker assembly.

## Step 16 — Unfasten the display connector cover screw



- Use a Phillips screw driver to remove the 3.3 mm-long screw securing the display connector cover to the midframe.

## Step 17 — Remove the display connector cover



- Use a pair of tweezers to remove the display connector cover.



## Step 18 — Disconnect the display flex cable



- Use the flat end of a spudger to pry up and disconnect the display flex cable.

## Step 19 — Loosen the display adhesive



- Apply a [heated iOpener](#) or a heat gun to the screen to loosen the adhesive underneath. Apply the iOpener for at least two minutes.

## Step 20 — Insert an iFlex



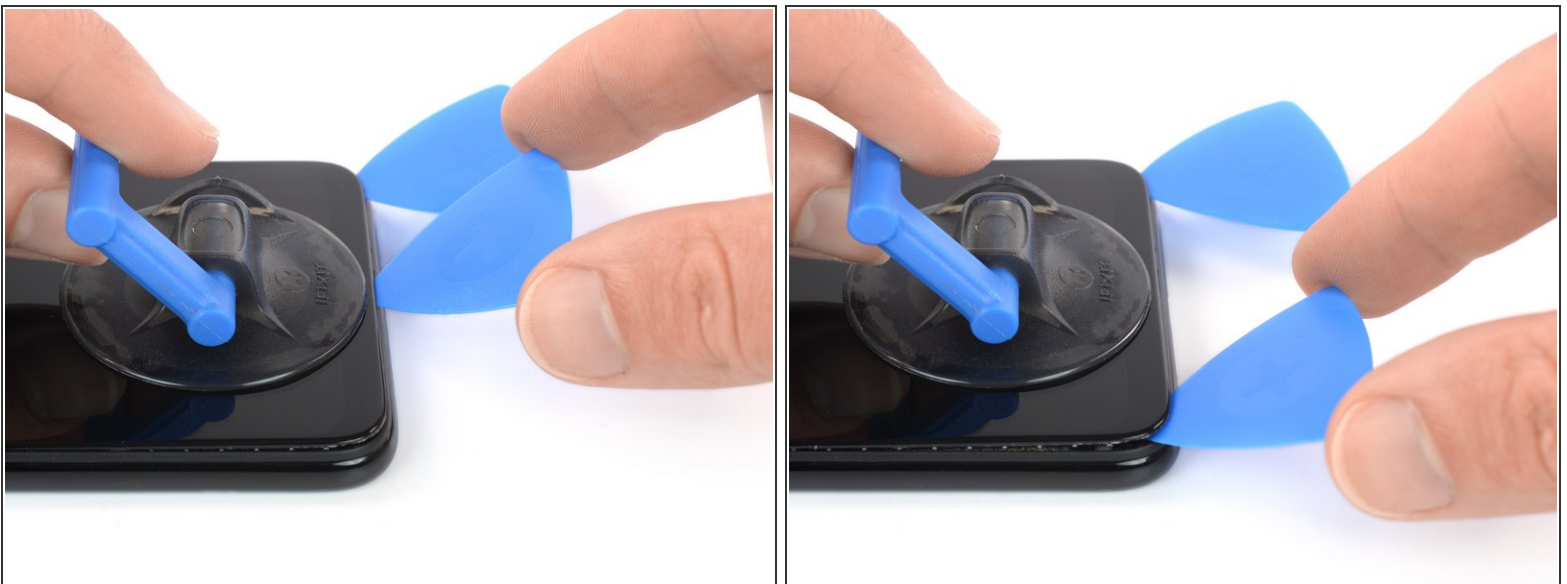
- Once the screen is warm to touch, apply a suction cup to the bottom edge of the phone.
  - ❗ If your rear glass is badly cracked, covering it with a layer of clear packing tape may allow the suction cup to adhere. Alternatively, very strong tape may be used instead of the suction cup. If all else fails, you can superglue the suction cup to the rear glass.
- Lift the screen with the suction handle to create a small gap between the screen and the frame.
- Insert the tip of an iFlex in the gap between the midframe and the screen.

## Step 21 — Insert an opening pick



- Insert the tip of an opening pick in the gap between the midframe and the screen, next to the iFlex.
- Remove the iFlex.
- Slide the opening pick to the bottom right corner to cut the adhesive. Leave it in its place to prevent the adhesive from resealing.

## Step 22 — Cut the adhesive



- Insert a second opening pick and slide it to the bottom left corner of the screen to cut the adhesive.
- Leave the opening picks in place to prevent the adhesive from resealing.

## Step 23 — Cut the lefthand-side adhesive

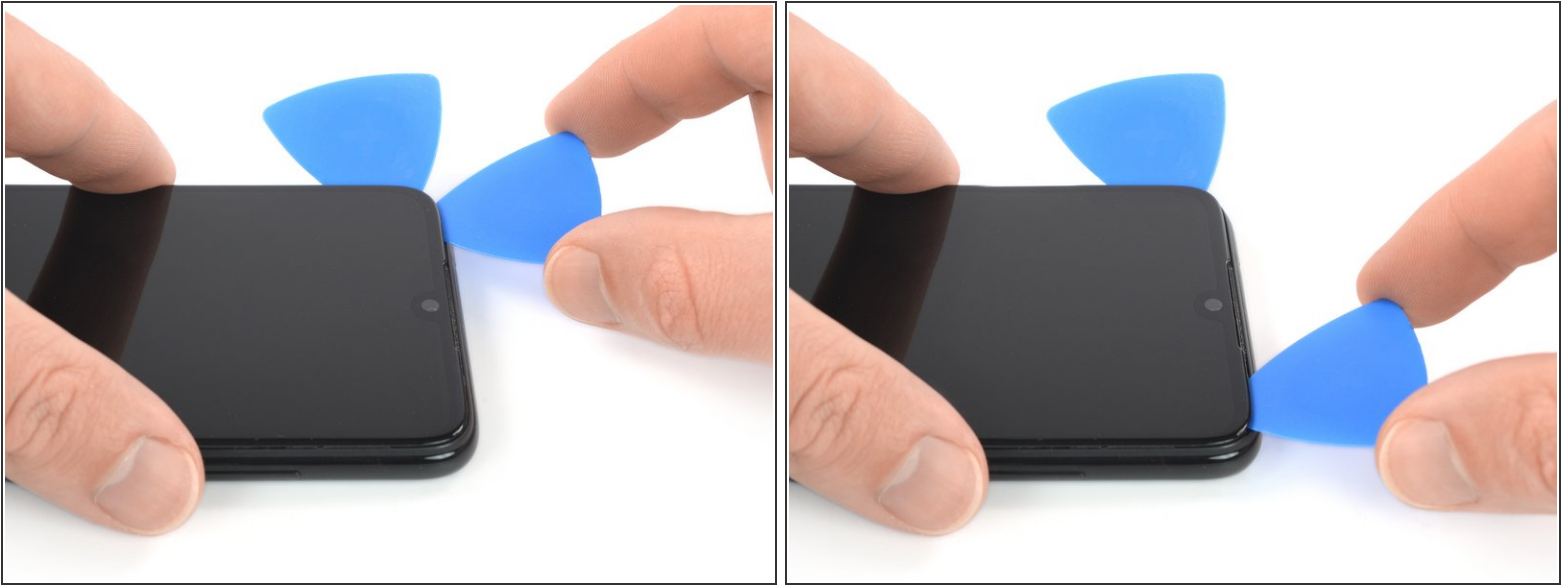


**i** If the adhesive becomes hard to cut, it has most likely cooled down. [Use your iOpener](#) or heat gun to reheat it.

- Insert a third opening pick under the bottom left corner of the phone.
- Slide the opening pick up to the top left corner to cut the adhesive. Leave it in to prevent the adhesive from resealing.



## Step 24 — Cut the top edge adhesive



- Insert a fourth opening pick at the top left corner.
- Slide the opening pick along the top edge of the phone to cut the adhesive. Leave the opening pick in the top right corner of the screen to prevent the adhesive from resealing.

**⚠ When you slice near the front facing camera, insert only the tip of the opening pick to avoid damaging or smearing the camera.**

## Step 25 — Cut the righthand-side adhesive



- Insert a fifth opening pick and slide it along the right edge of the phone to cut the remaining adhesive.

**⚠** Do not try to remove the display all the way yet, the display cable is still threaded through the frame and possibly adhered on the inner side of the midframe.

## Step 26 — Remove the screen



- Thread the display flex cable through the gap in the midframe and remove the screen.

**⚠** The [upper speaker grill](#) of the Redmi Note 7 is likely to fall off during this procedure. Avoid losing it during the screen removal.

If possible, turn on your device and test your repair before installing new adhesive and resealing.

To reassemble your device, follow these instructions in reverse order. Apply new adhesive where necessary after cleaning the relevant areas with isopropyl alcohol (>90%).

The best way to secure the new screen is to [apply a sheet of custom-cut double-sided tape](#) to the back of the screen.

Take your e-waste to an [R2 or e-Stewards certified recycler](#).

Repair didn't go as planned? Try some [basic troubleshooting](#), or ask our [Answers community](#) for help.