Huawei Honor 9 Screen Replacement

Use this guide to remove the screen of the...

Written By: Dominik Schnabelrauch





INTRODUCTION

Use this guide to remove the screen of the Huawei Honor 9.

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.

This guide involves removing the rear glass cover and the battery—you will need replacement adhesive to reattach both and/or a new battery. If your replacement part does not come with adhesive, use a strong double-sided tape to secure it.

TOOLS:

Suction Handle (1)
iFixit Opening Picks (Set of 6) (1)
iOpener (1)
Phillips #00 Screwdriver (1)
Spudger (1)
iFixit Adhesive Remover (1)
Plastic Cards (1)

PARTS:

Huawei P10 and Honor 9 Battery (1)

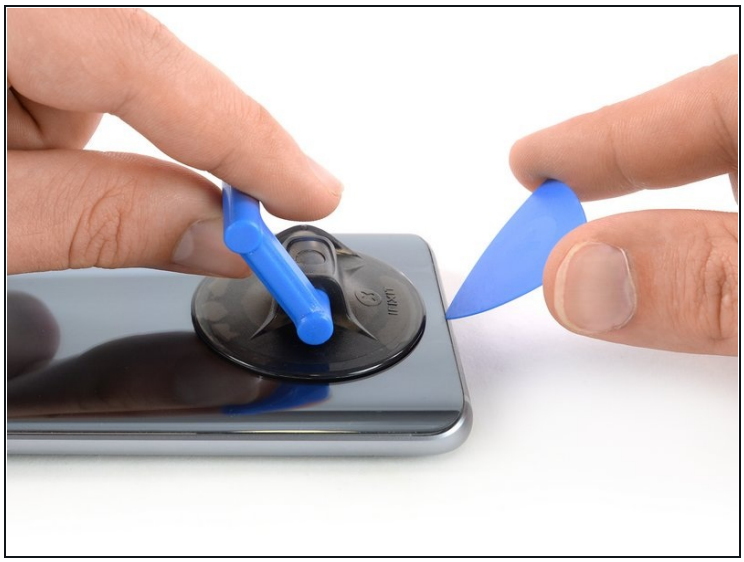
Step 1 — Remove the Rear Glass



- Switch off your phone.
- Heat an iOpener and apply it to the back of the phone for around two minutes. This will help soften the adhesive securing the rear glass.
- You might need to reheat and reapply the iOpener several times during the rear glass removal.

⚠ A hair dryer, heat gun, or hot plate may also be used, but be careful not to overheat the phone—the display and internal battery are both susceptible to heat damage.

Step 2





- Secure a suction handle to the lower edge of the rear glass, as close to the edge as possible.

ⓘ If the phone's rear glass is cracked, the suction cup may not stick. Try lifting it with strong tape, or superglue the suction cup in place and allow it to cure so you can proceed.

- Lift the rear glass with the suction cup to create a gap between the glass and the frame.
- Insert an opening pick into the gap.

ⓘ If you have trouble, apply more heat to further soften the adhesive. Follow the iOpener instructions to avoid overheating.

Step 3





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

Step 4





- Insert a third opening pick at the bottom left corner.
- Start to slide the tip of the opening pick from the bottom left corner along the side of the Huawei Honor 9 to cut the adhesive.
- Leave the opening pick in its place at the top left corner to prevent the adhesive from resealing.

Step 5





If the adhesive gets hard to cut it is likely too cold. Use your iOpener to reheat it.

- 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 cut the adhesive.
- Leave the opening pick in the top right corner to prevent the adhesive from resealing.

Step 6





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

Step 7





- Carefully lift the rear glass and remove it.
- Secure the new rear glass with pre-cut adhesive or double-sided adhesive tape.
- After installing the rear glass, apply strong, steady pressure to your phone for several minutes to help the adhesive form a good bond, such as by placing it under a stack of heavy books.

Step 8 — Remove the Motherboard Shield



- Remove the three Phillips #00 screws (3.45 mm length).
- Remove the five Phillips #00 screws (2.9 mm length).

Step 9





- Carefully peel up the black thermal foil and remove it completely.

  ⓘ This foil is very thin and brittle and may rip easily.

- Remove the Phillips #00 screw that is located underneath the thermal foil at the bottom center of the motherboard.

Step 10





- Slide an opening pick under the right side of the motherboard shield.
- Twist the opening pick sideways to release the clips that hold the shield in place.
- Repeat the previous process and work your way around the motherboard shield until it pops out.

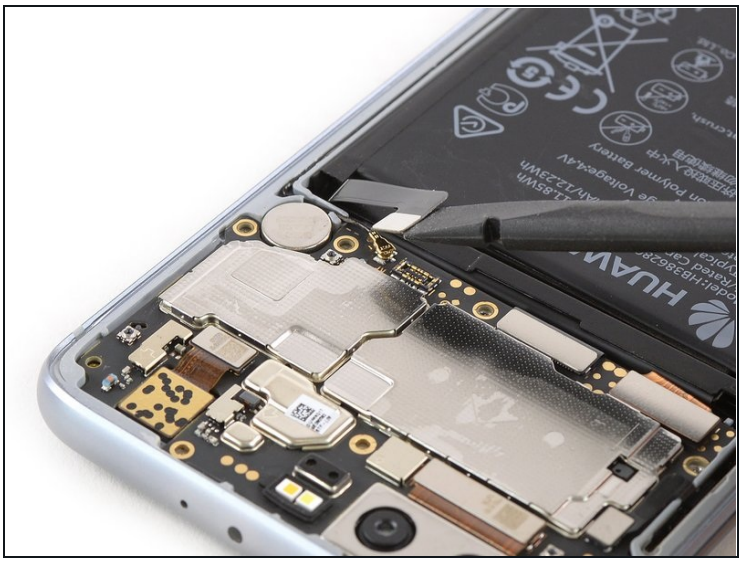
Step 11



- Remove the motherboard shield.

Step 12 — Disconnect the Battery

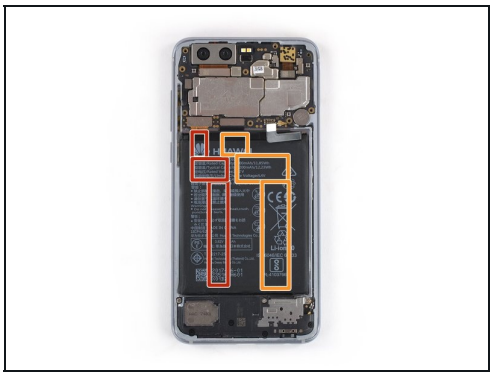




- Use a spudger to pry up and disconnect the battery flex cable.

Step 13 — Remove the Battery







- Apply an iOpener to the center of the display, to loosen the adhesive beneath the battery.

ⓘ The adhesive beneath the battery is very strong. You might need to repeat this process during the removal procedure several times. If heat does not work you can apply isopropyl alcohol (90+%) to the corners of the battery and let it penetrate the adhesive for several minutes before continuing.

⚠ The flex cables under the battery are laid out as seen in the image. Try to avoid prying in the marked areas to prevent damaging the cables.

- Display flex cable
- Interconnect flex cable

Step 14





⚠ Try your best not to deform the battery during the following removal process. Soft-shell lithium-ion batteries can leak dangerous chemicals, catch fire, or even explode if damaged. Do not use excessive force or pry at the battery with metal tools.

- Insert the flat end of a spudger at the top right corner of the battery where the flex cable is located and start to pry the battery up.
- Work your way down the right side of the battery and loosen the adhesive with the spudger.

Step 15





- Insert the flat end of a spudger at the top left corner of the battery and pry the battery up.

Step 16





⚠ The display and interconnect flex cables are running underneath the battery. Don't damage them while cutting the remaining adhesive.

- Insert an opening pick or plastic card between the frame and the battery.
- Cut any remaining adhesive underneath the battery.
- Pry up the battery until you can get a good grip.

Step 17



- Remove the battery.

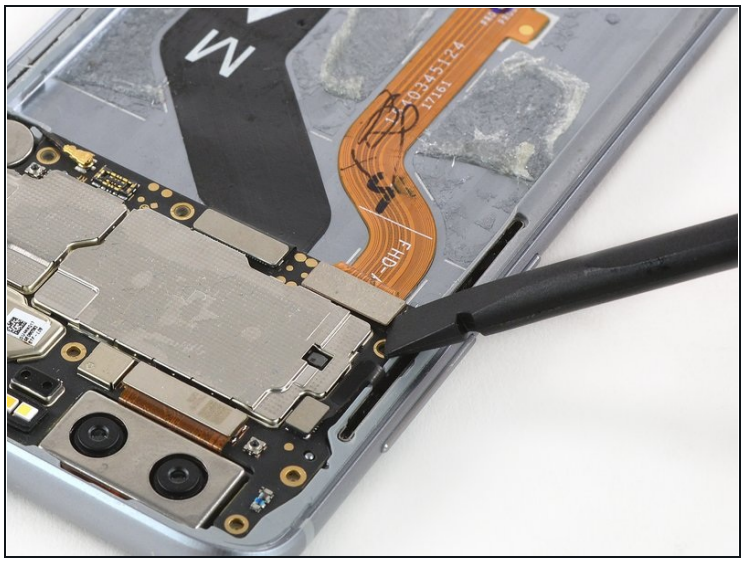
⚠ Do not reuse the battery after it has been removed, as doing so is a potential safety hazard. Replace it with a new battery.

Remove any remaining adhesive from the phone and clean the glued areas with isopropyl alcohol and a lint-free cloth before installing the new battery.

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

Secure the new battery with pre-cut adhesive or double-sided adhesive tape. In order to position it correctly, apply the new adhesive into the phone at the places where the old adhesive was located, not directly onto the battery. Press the new battery firmly into place.

Step 18 — Remove the Screen

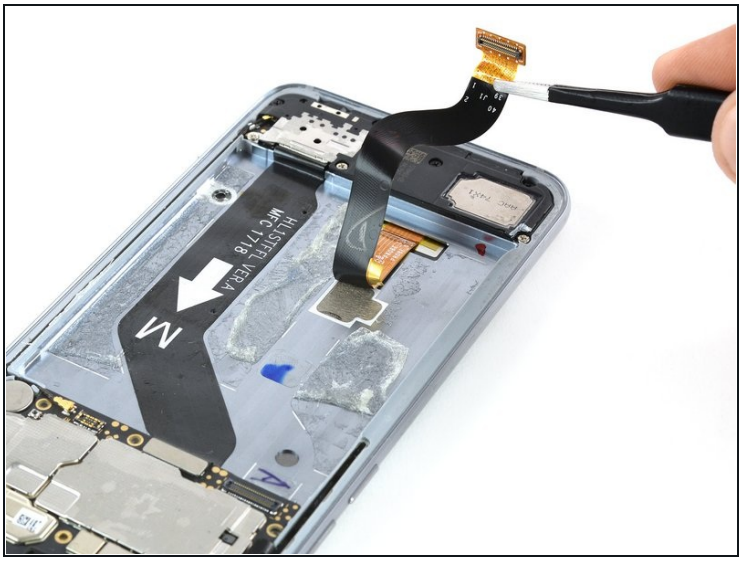




- Use a spudger to pry up and disconnect the display flex cable.

Step 19





- Use a pair of tweezers to peel the display flex cable off the frame.

Step 20



- Remove the four Phillips #00 screws (3.2 mm length).
- Remove the three Phillips #00 screws (2.9 mm length).

Step 21



- Apply an iOpener to the bottom end of the display to soften the adhesive beneath the loudspeaker.

Step 22





- Slide an opening pick under the loudspeaker and daughterboard cover.
- Slide the opening pick to the right end of the cover and twist it sideways to lift the loudspeaker out of its recess.

Step 23



- Remove the loudspeaker.

Step 24





- Use a spudger to pry up and disconnect the home button flex cable located at the bottom right of the phone.

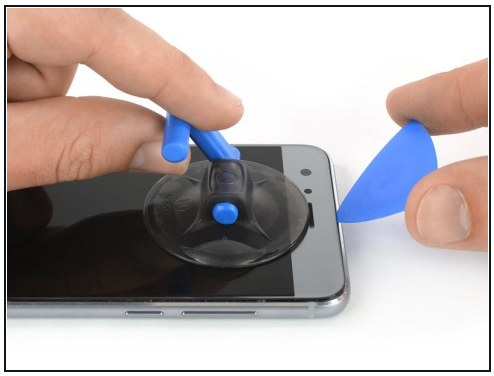
Step 25



- Apply a heated iOpener to the display for around two minutes to soften the adhesive underneath.

  ⓘ You might need to reheat and reapply the iOpener several times during the removal procedure to get the adhesive warm enough to cut. Follow the iOpener instructions to avoid overheating.

Step 26





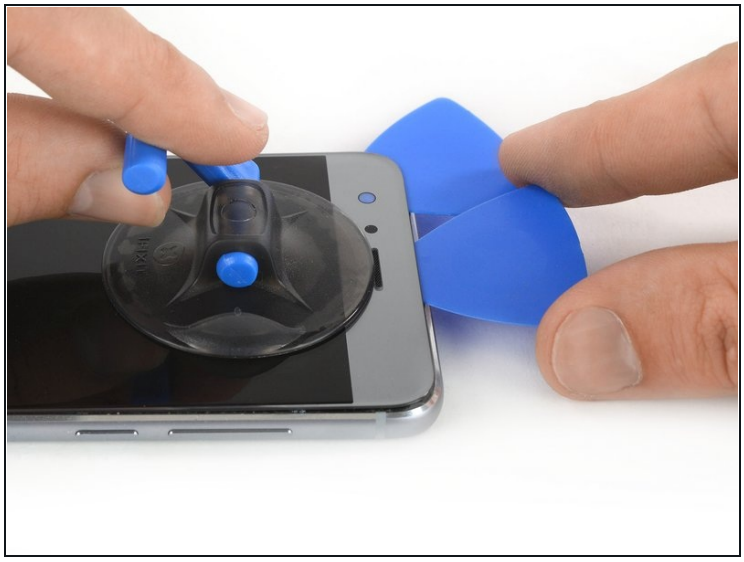
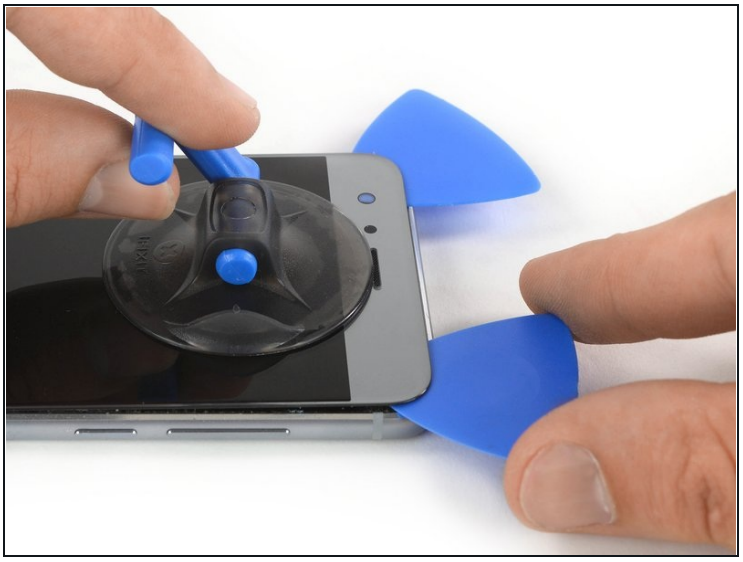
- Once the screen is warm to the touch, apply a suction cup near the top edge of the phone right under the earpiece speaker.

  If the phone's screen is cracked, the suction cup may not stick. Try lifting it with strong tape, or superglue the suction cup in place and allow it to cure so you can proceed.

- Pull up on the suction cup and insert the tip of an opening pick under the display near the earpiece speaker.

- Slide the opening pick to the top left corner of the phone to cut the adhesive.

Step 27

- Insert a second opening pick and slide it to the top right corner of the phone.

Step 28





- Insert a third opening pick at the top right corner of the screen.
- Slide the opening pick from the top right corner down the right edge of the phone and cut the adhesive with it.

⚠ While cutting, make sure the pick slides **under the display panel** and not just between the display and the front glass.

Step 29




ⓘ If cutting becomes too difficult, reheat and reapply the iOpener to the screen.

- Insert a fourth opening pick at the bottom right corner of the screen.
- Slide the tip of the opening pick along the bottom edge of the screen to cut the adhesive.

Step 30



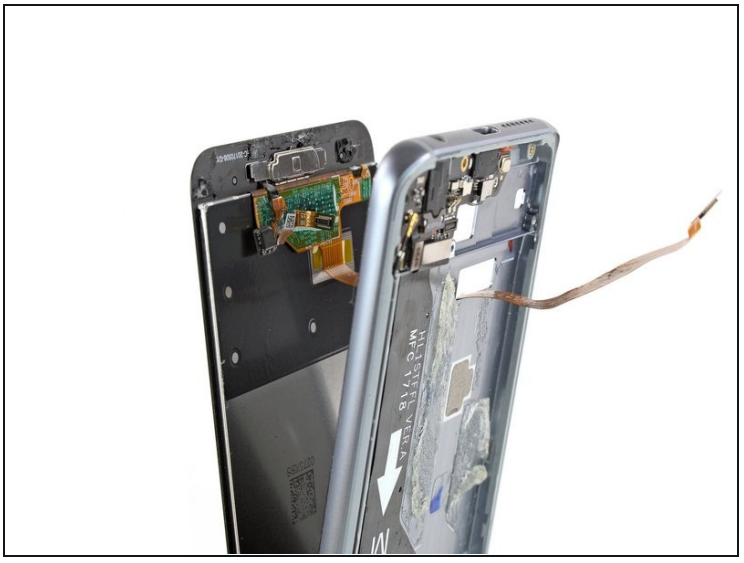


- Insert a fifth opening pick at the bottom left corner of the screen.
- Slide the opening pick along the left edge of the phone to cut the remaining adhesive.

⚠ Do not remove the display all the way yet. The home button and display flex cables are still threaded through the midframe.

Step 31





- Make sure the display flex cable does not stick to the frame and carefully thread it through the gap at the bottom of the frame.

Step 32



- Remove the screen.

- Remove any remaining adhesive from the midframe, and clean the glued areas with isopropyl alcohol and a lint-free cloth.

- If possible, turn on your phone and test your repair before installing new adhesive and resealing the phone.

- The best way to secure the new screen is with a sheet of custom-cut double-sided tape, but high bond double-sided tape will also work. Apply the tape to the back of the screen, then carefully feed the display cable through the frame. Align the screen with the frame and press it into place.

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

Take your e-waste to an R2 or e-Stewards certified recycler.

Repair didn’t go as planned? Check out our Answers community for troubleshooting help.