



# Xiaomi Mi 9 Loudspeaker Unit Replacement

This guide shows how to remove or replace a malfunctioning or defective loudspeaker unit in the Xiaomi Mi 9.

Written By: Dominik Schnabelrauch



---

## INTRODUCTION

Use this guide to remove or replace a malfunctioning or defective loudspeaker unit in the Xiaomi Mi 9.

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

---

### TOOLS:

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

## Step 1 — Rear Glass



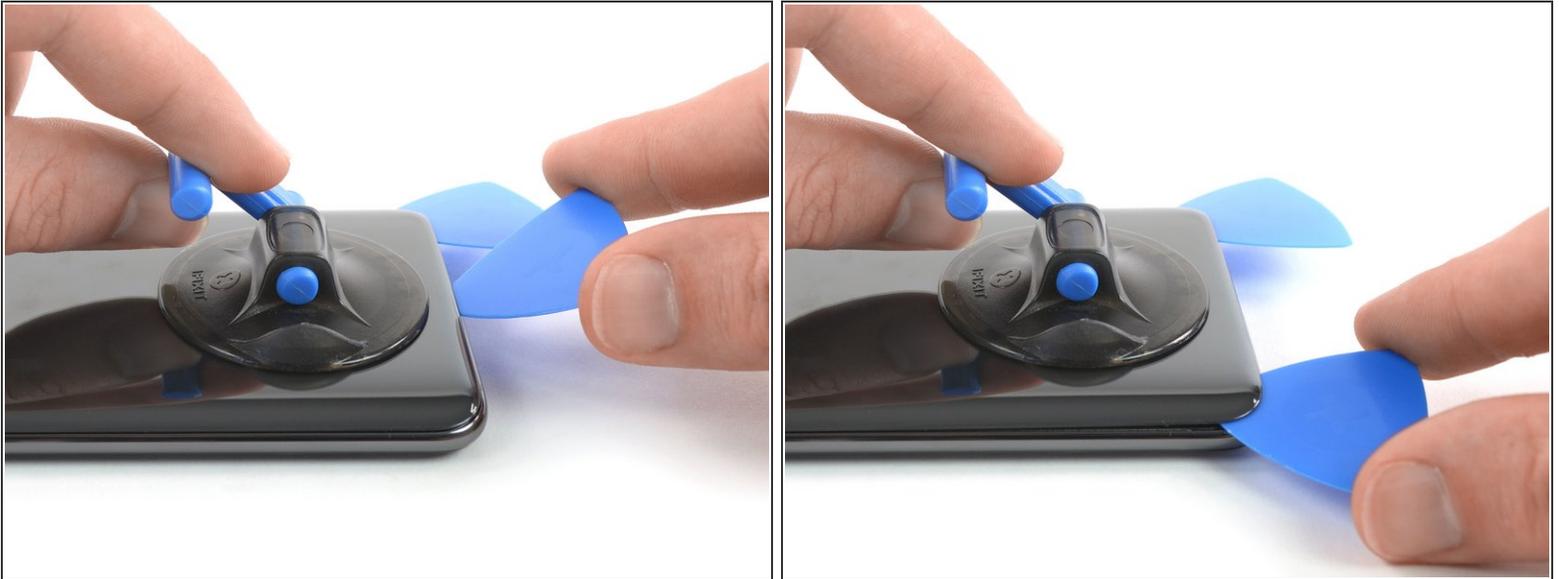
- Before you begin, switch off your phone.
- Apply a [heated iOpener](#) to the rear glass to loosen the adhesive beneath the edges. Apply the iOpener for at least two minutes.

## 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 handle may not stick. Try [lifting it with strong tape](#), or superglue the suction handle in place and allow it to cure so you can proceed.
- Lift the rear glass with the suction handle 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.
- Slide the opening pick to the bottom right corner of the phone.

### Step 3



- Insert a second opening pick and slide it to the bottom left corner to cut the adhesive.
- 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 opening pick from the bottom left corner along the side of the Xiaomi Mi 9 to cut the adhesive.
- ⓘ Be aware of the rear cameras and only insert the tip of the opening pick. As the adhesive cools down it gets harder to cut. If necessary [use your iOpener](#) to reheat it.
- Leave the opening pick in the top left corner to prevent the adhesive from resealing.

This document was generated on 2020-11-28 07:34:39 AM (MST).

## Step 5



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

## Step 6



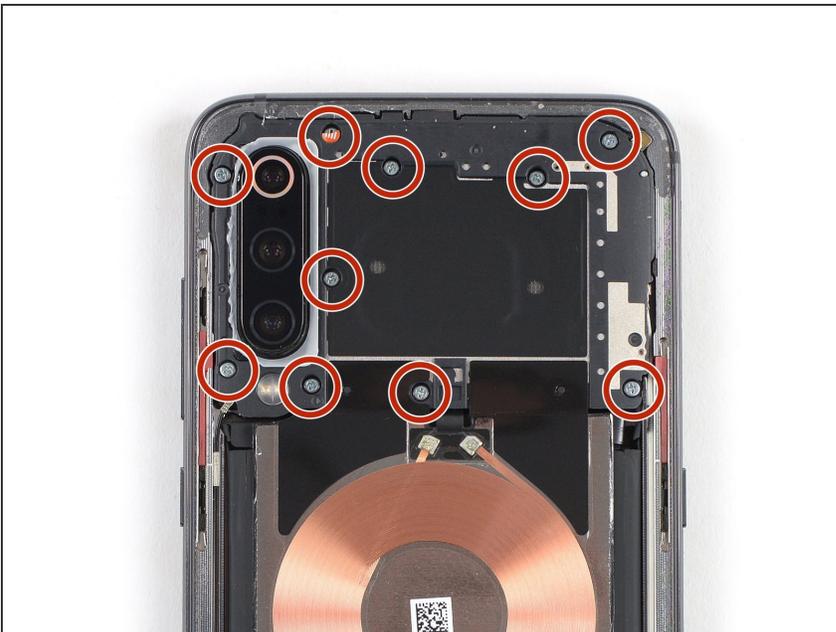
- Insert a fifth opening pick at the top right corner of the phone.
- Slide the opening pick along the right edge to cut the remaining adhesive.

## Step 7



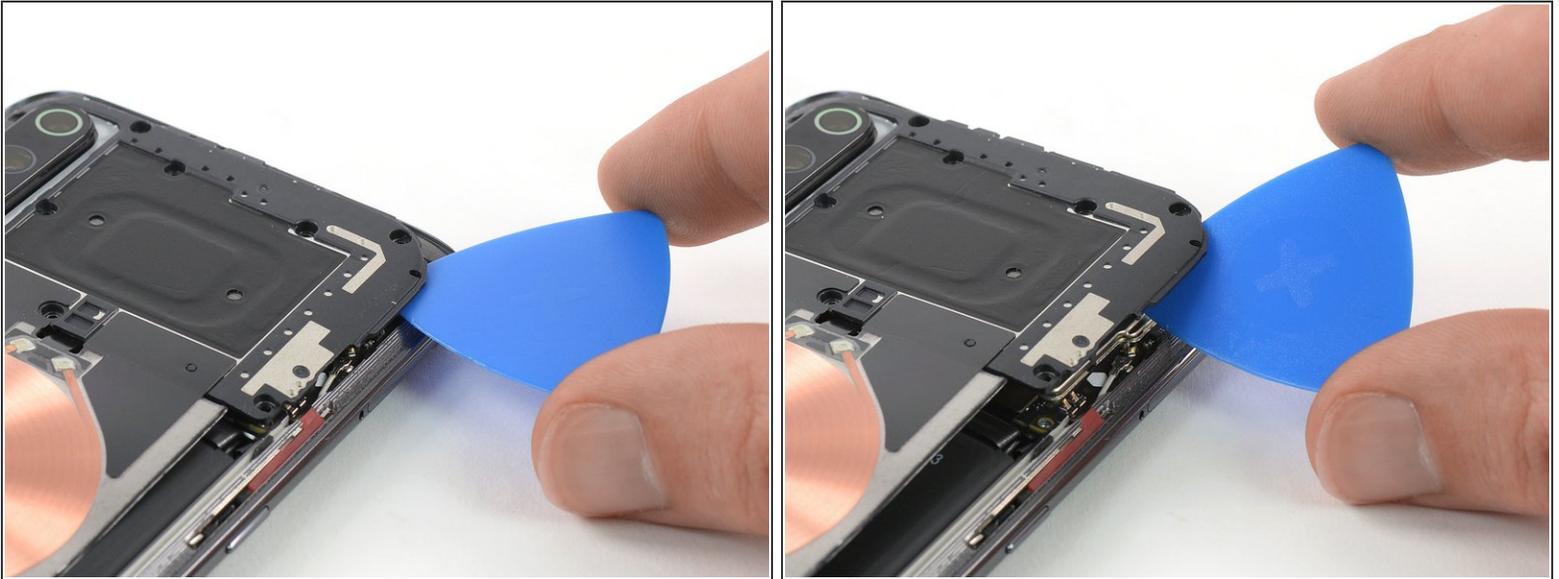
- Carefully lift the rear glass and remove it.
- ☞ Before installing new adhesive and reassembly, remove any remaining adhesive from the phone, and clean the glued areas with isopropyl alcohol and a lint-free cloth.

## Step 8 — Motherboard Cover with Charging Coil



- Remove the ten Phillips #00 screws (3 mm length) that secure the motherboard cover.
- ⓘ There might be tamper proof sticker on some of the screws.

## Step 9



- Insert an opening pick at the top right corner of the motherboard cover.
- Twist the opening pick sideways to pry up and slightly lift the motherboard cover.

## Step 10



- Carefully remove the motherboard cover including the charging coil / NFC antenna.

## Step 11 — Battery Disconnect



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

## Step 12 — Loudspeaker Unit



- Remove the seven Phillips #00 screws securing the loudspeaker unit:
  - Four silver 3.2 mm long screws
  - Two yellowish 3.8 mm long screws
  - One black 2.8 mm long screw
- ⓘ Some screws may be hidden beneath tamper proof stickers.

## Step 13



- Slide an opening pick under the right side of the loudspeaker unit.
- Twist the opening pick sideways to pry up the loudspeaker unit until you can get a good grip.

## Step 14



 There is still an antenna cable connected to the back of the unit.

- Carefully lift the loudspeaker unit and hinge it open towards the left side.

## Step 15



- Use a pair of tweezers to pry off and disconnect the antenna cable from the loudspeaker unit.
- Remove the loudspeaker unit.
- ☑ Before reassembly check your old loudspeaker for components that might need to be transferred to the replacement part such as the antenna flex cable with its coax connector.

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

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.