LG G6 Charge Port Replacement
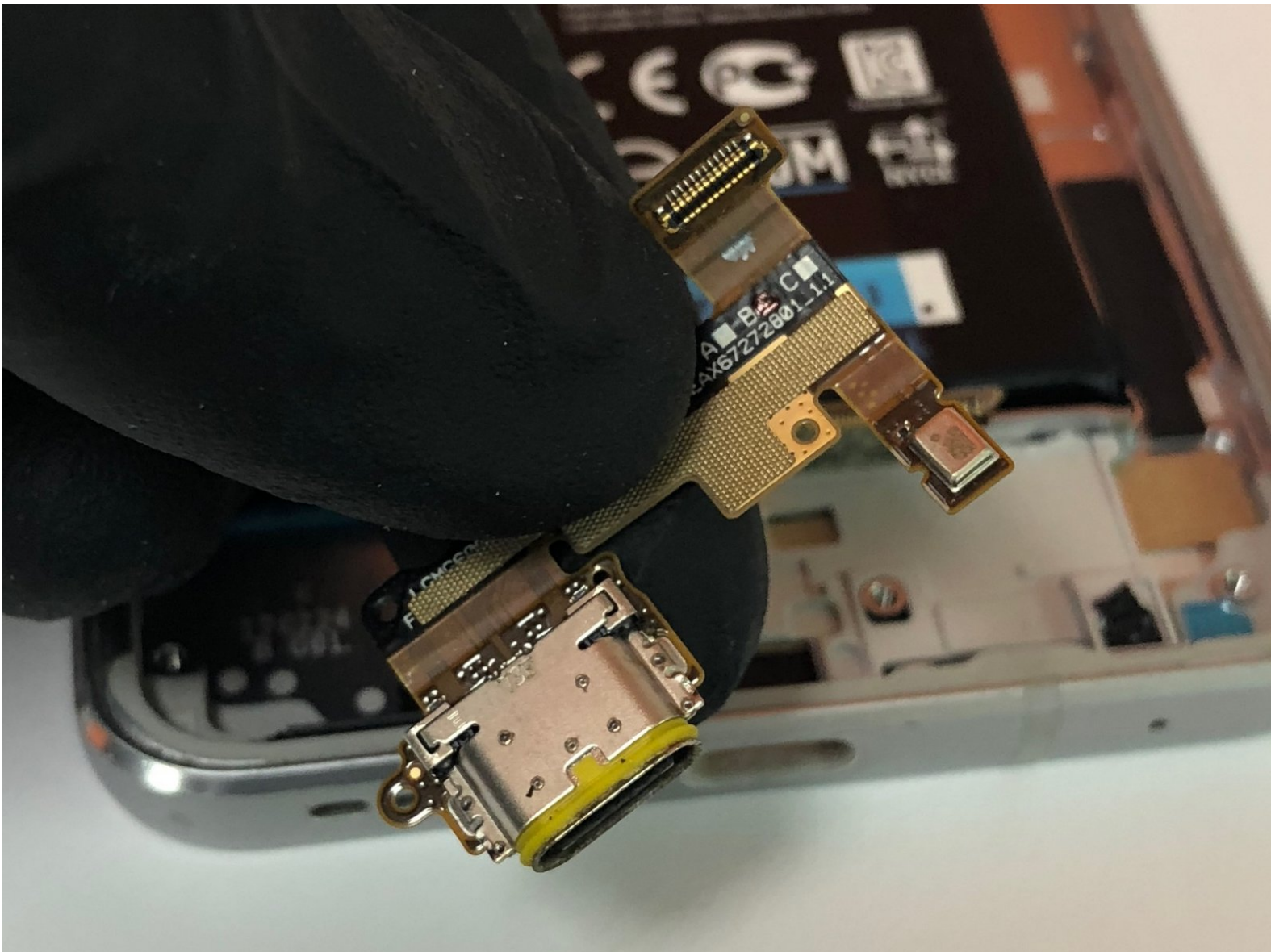
Use this guide to replace the charge port on a LG G6.

Written By: Kevin Stuckey

This document was generated on 2020-02-14 06:55:11 AM (MST).

© iFixit — CC BY-NC-SA   www.iFixit.com   Page 1 of 16

INTRODUCTION

Use this guide to replace the charge port on a LG G6. If you're having charging issues or your microphone isn't working, replacing the charge port is a good place to start.

TOOLS:

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

PARTS:

- LG G6 Rear Glass Panel (1)
- Tesa 61395 Tape (1)

Thin, high-bond tape is required if the replacement part does not come with adhesive.

- LG G6 Charge Port (1)

This document was generated on 2020-02-14 06:55:11 AM (MST).

www.iFixit.com

Step 1 — iOpener Heating

ⓘ We recommend that you clean your microwave before proceeding, as any nasty gunk on the bottom may end up stuck to the iOpener.

● Place the iOpener in the center of the microwave.

⚠ For carousel microwaves: Make sure the plate spins freely. If your iOpener gets stuck, it may overheat and burn.

Step 2

- Heat the iOpener for **thirty seconds**.

- Throughout the repair procedure, as the iOpener cools, reheat it in the microwave for an additional thirty seconds at a time.

- ⚠️ Be careful not to overheat the iOpener during the repair. Overheating may cause the iOpener to burst.

- ⚠️ Never touch the iOpener if it appears swollen.

- ⚠️ If the iOpener is still too hot in the middle to touch, continue using it while waiting for it to cool down some more before reheating. A properly heated iOpener should stay warm for up to 10 minutes.

Step 3

- Remove the iOpener from the microwave, holding it by one of the two flat ends to avoid the hot center.

⚠ The iOpener will be very hot, so be careful when handling it. Use an oven mitt if necessary.

Step 4 — Fingerprint Sensor

- Apply a heated iOpener to a long edge of the phone for about 2 minutes.

  ⓘ You may need to reheat and reapply the iOpener several times to get the phone warm enough. Follow the iOpener instructions to avoid overheating.

Step 5

- In the following steps you will be cutting through the adhesive on the rear glass panel.

- Take note of the following areas:

    - In addition to cutting around the edge, there is extra adhesive here that should be cut.

    - Avoid sticking the spudger blade in too far here, to avoid damaging the rear button ribbon cable and chip.

Step 6

- Once the back panel is warm to the touch, apply a suction cup as close to the heated edge of the phone as you can.

  - ⓘ The suction cup will not make a good seal on the curved portion of the glass, so avoid putting it on the very edge.

- Lift on the suction cup, and insert a halberd spudger or opening pick under the rear glass.

Step 7

- Once you have the tool firmly inserted into the glass, reheat and reapply the iOpener to soften the adhesive.

This document was generated on 2020-02-14 06:55:11 AM (MST).

Step 8

- Slide the blade of a Halberd spudger along the side of the phone, separating the adhesive.

Step 9

- Repeat the previous heating and cutting procedure for the remaining three sides of the phone.

- Leave an opening pick on each side as you continue to the next to prevent the adhesive from resealing.
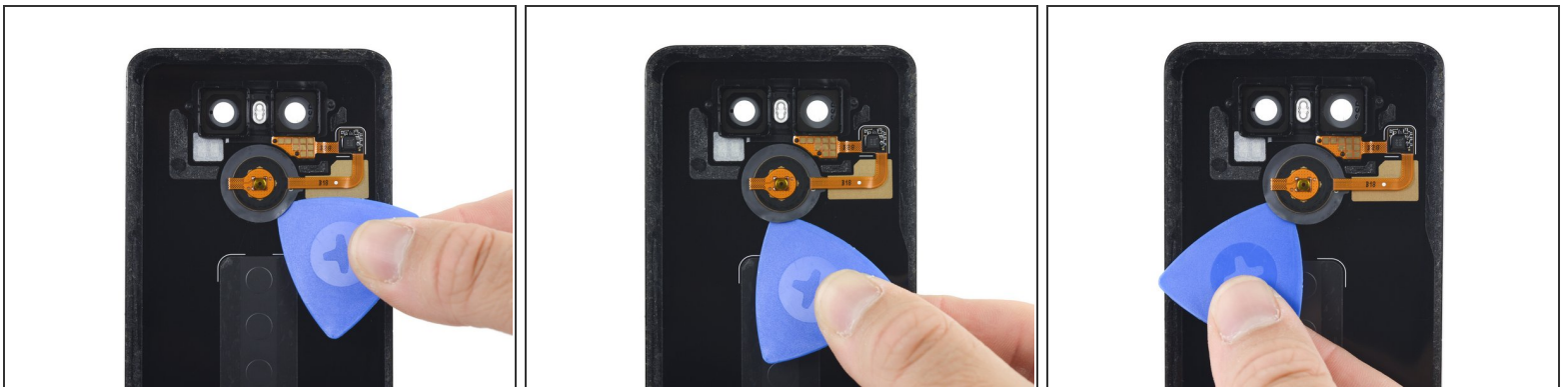
Step 10

- Use the opening picks to slice through any remaining adhesive and open the phone.

- Remove the glass from the phone.

- During reassembly, apply new adhesive or high-bond tape if your replacement rear glass does not come with any.

This document was generated on 2020-02-14 06:55:11 AM (MST).

© iFixit — CC BY-NC-SA   www.iFixit.com   Page 9 of 16

Step 11

- Slide the blade of a halberd spudger into the opening on the edge of the rear button bracket.

  ⚠ Careful not to push directly against the rear button ribbon cable, to avoid damaging it.

  ⚠ Do not push the spudger in too far, to avoid damaging the rear button.

- Continue sliding the spudger blade around the bracket to cut all the adhesive holding the bracket to the rear case.

- Remove the bracket.

Step 12

- Slide an opening pick between the rear button membrane and the rear case.

- Slide the pick around the edge of the membrane to separate it from the rear case.

- ⓘ This might take some force, as the adhesive holding the membrane to the case is tenacious. Pry slowly, to avoid puncturing or stretching the membrane.
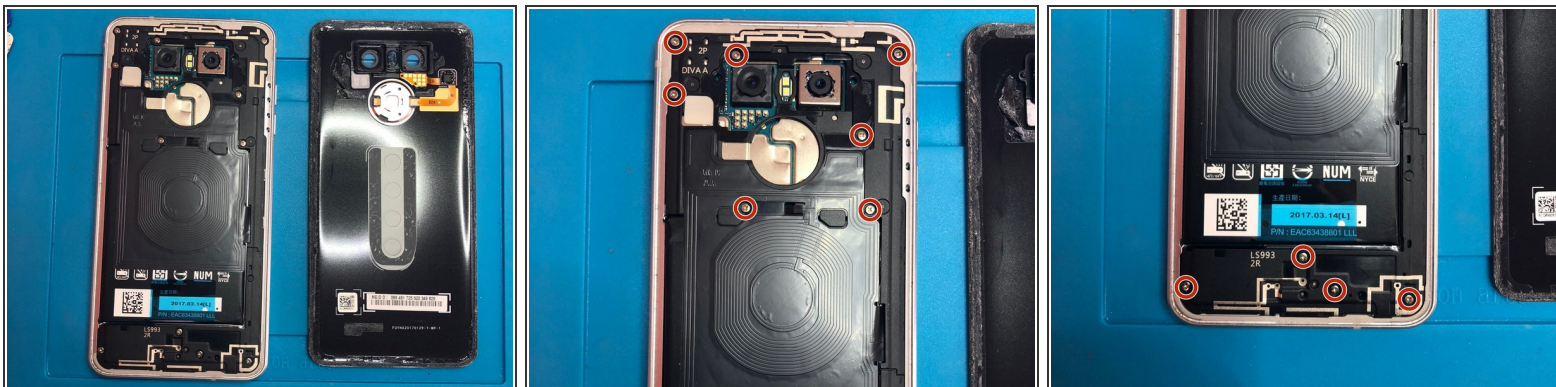
Step 13

- Use the blade of a halberd spudger to pry the rear button chip off of the rear case.
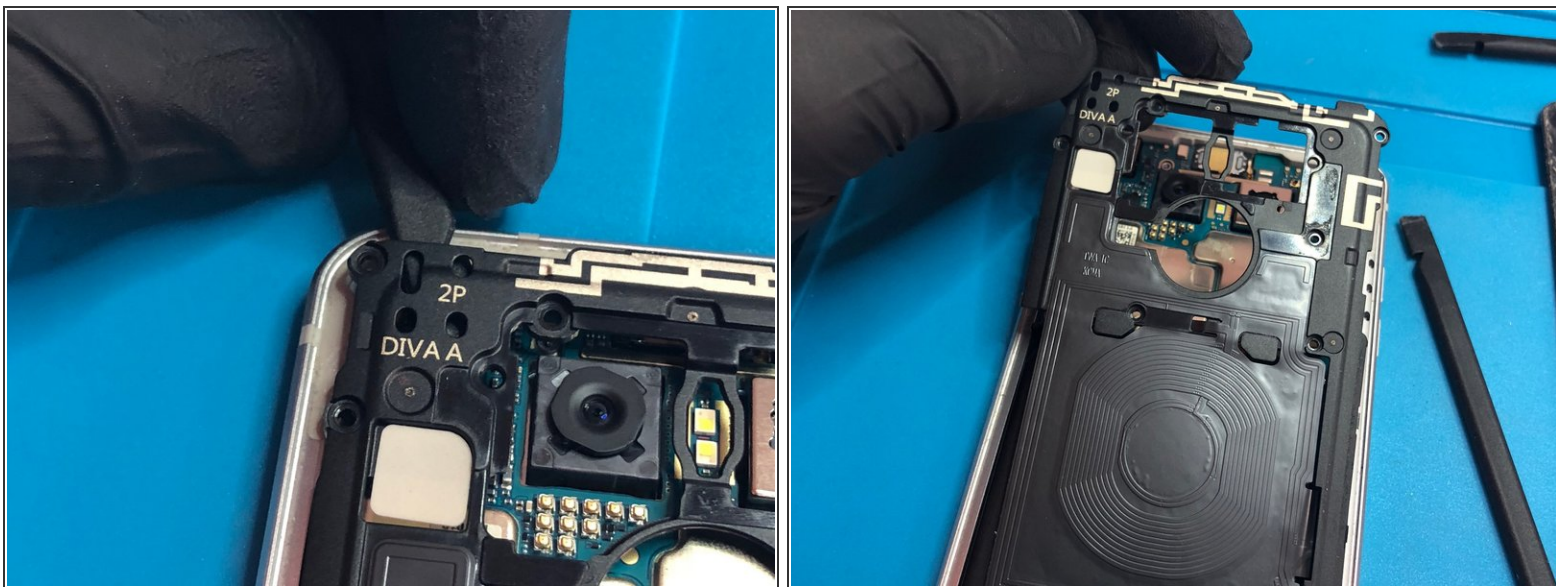
Step 14

- Use an opening pick to pry the contact pad off of the rear case.

- Remove the rear button assembly.

This document was generated on 2020-02-14 06:55:11 AM (MST).

© iFixit — CC BY-NC-SA   www.iFixit.com   Page 11 of 16

Step 15 — Charging Coil and Loudspeaker Assembly

- Separate the rear glass from the phone,

- Remove eleven Philips #00 screws.

Step 16 — Remove Charging Coil

- Use a spudger to remove the charging coil from the top left corner,

This document was generated on 2020-02-14 06:55:11 AM (MST).

Step 17 — Remove Loudspeaker Assembly

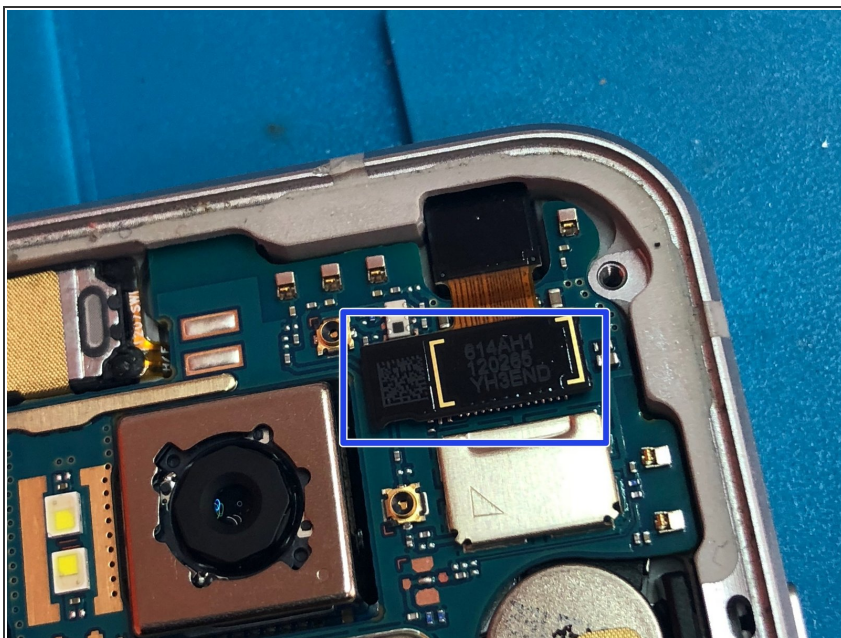- Remove loudspeaker assembly.

Step 18 — Battery

- Use the flat end of a spudger to disconnect the battery connector.

Step 19 — Motherboard

- Use the flat end of a spudger to disconnect the LCD/Digitizer flex cable.

- Use the flat end of a spudger to disconnect the charge port flex cable.
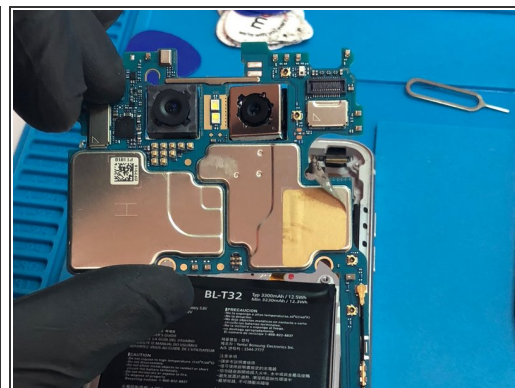
Step 20

- Use the flat end of a spudger to disconnect the front camera.

This document was generated on 2020-02-14 06:55:11 AM (MST).

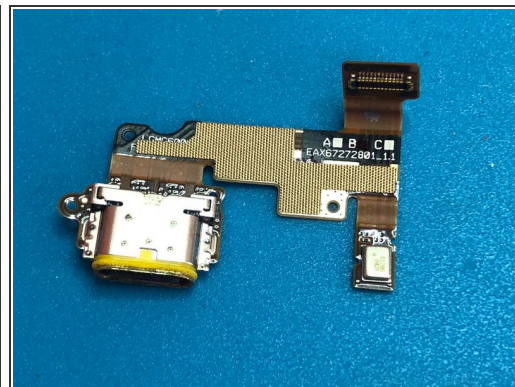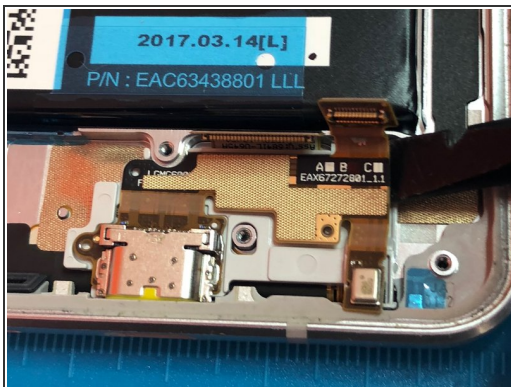## Step 21 — SIM Card Tray

- Insert a SIM card opening tool into the small hole on the left side of the phone and remove the SIM card tray.

Step 22

- Lift the motherboard out of the phone.

- ⓘ Be careful not to snag any of the connectors on the board.

This document was generated on 2020-02-14 06:55:11 AM (MST).

Step 23 — Charge Port

- Use the flat end of a spudger to remove the adhesive securing the USB-C charge port to the frame.

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