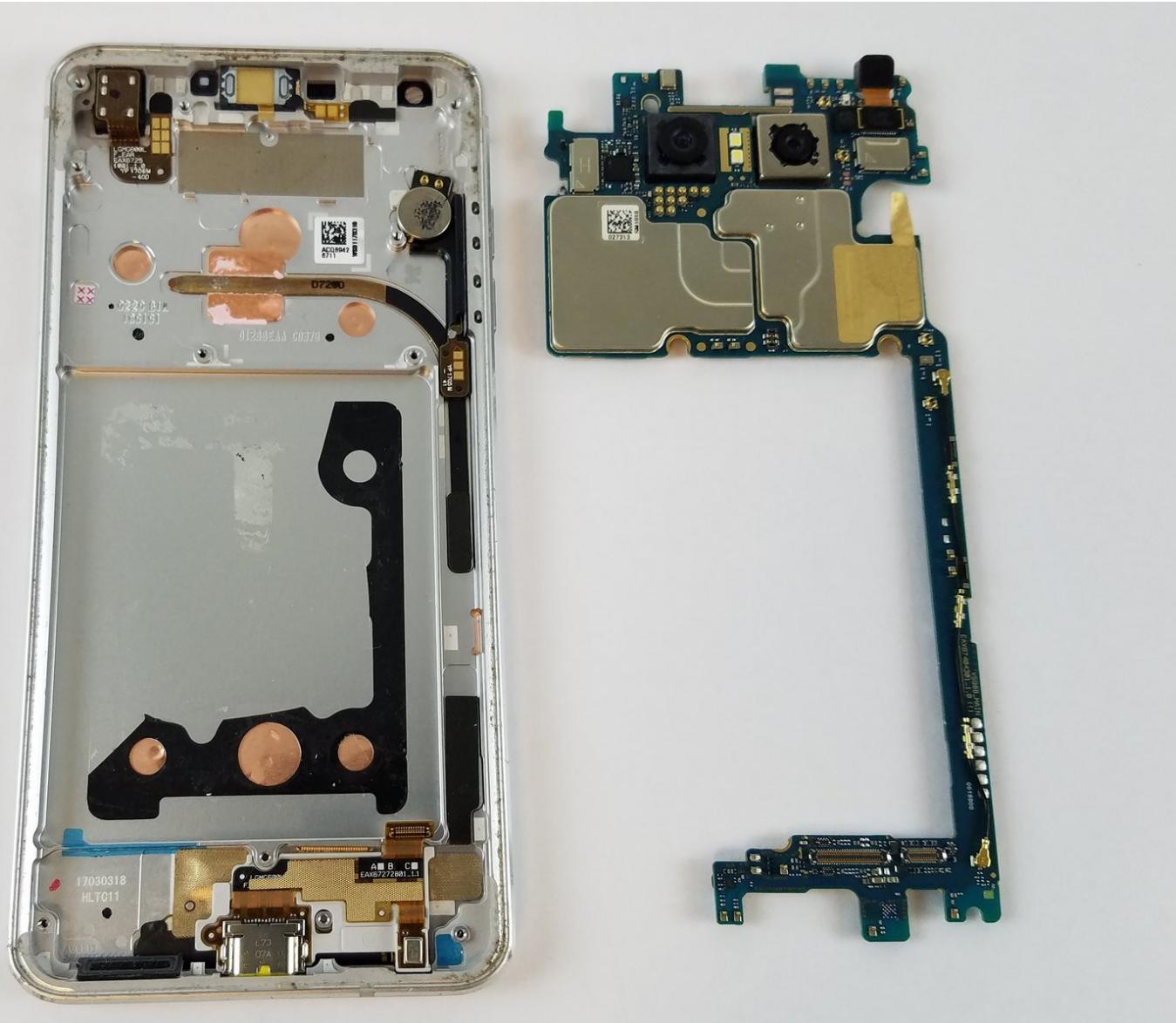




LG G6 Motherboard Replacement

Replace the motherboard on a LG G6.

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INTRODUCTION

Use this guide to replace the motherboard on your LG G6.

TOOLS:

- Phillips #000 Screwdriver (1)
- Metal Spudger (1)
- Spudger (1)
- Plastic Cards (1)
- iOpener (1)
- Suction Handle (1)
- Halberd Spudger (1)
- iFixit Opening Picks set of 6 (1)
- Tweezers (1)

PARTS:

- Tesa 61395 Tape (2)

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

- LG G6 Motherboard (1)

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 — Battery



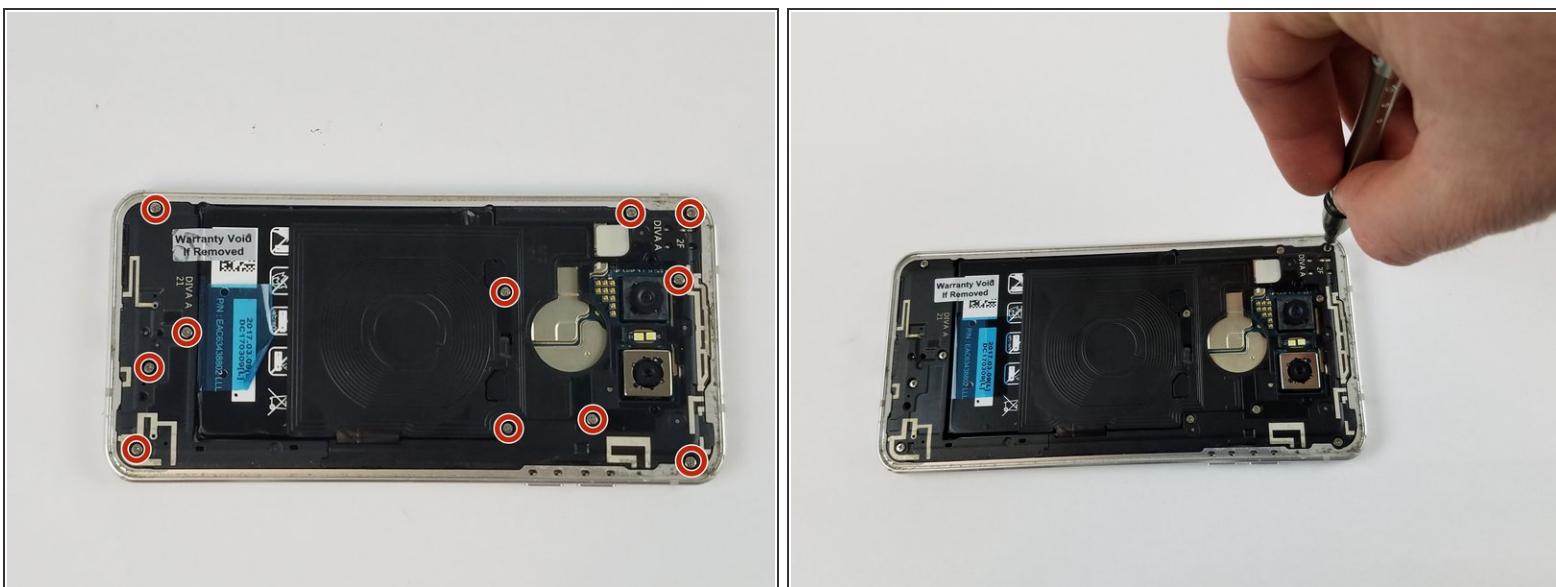
- Apply the heated iOpener to the edge of the phone for about 2 minutes.

Step 5



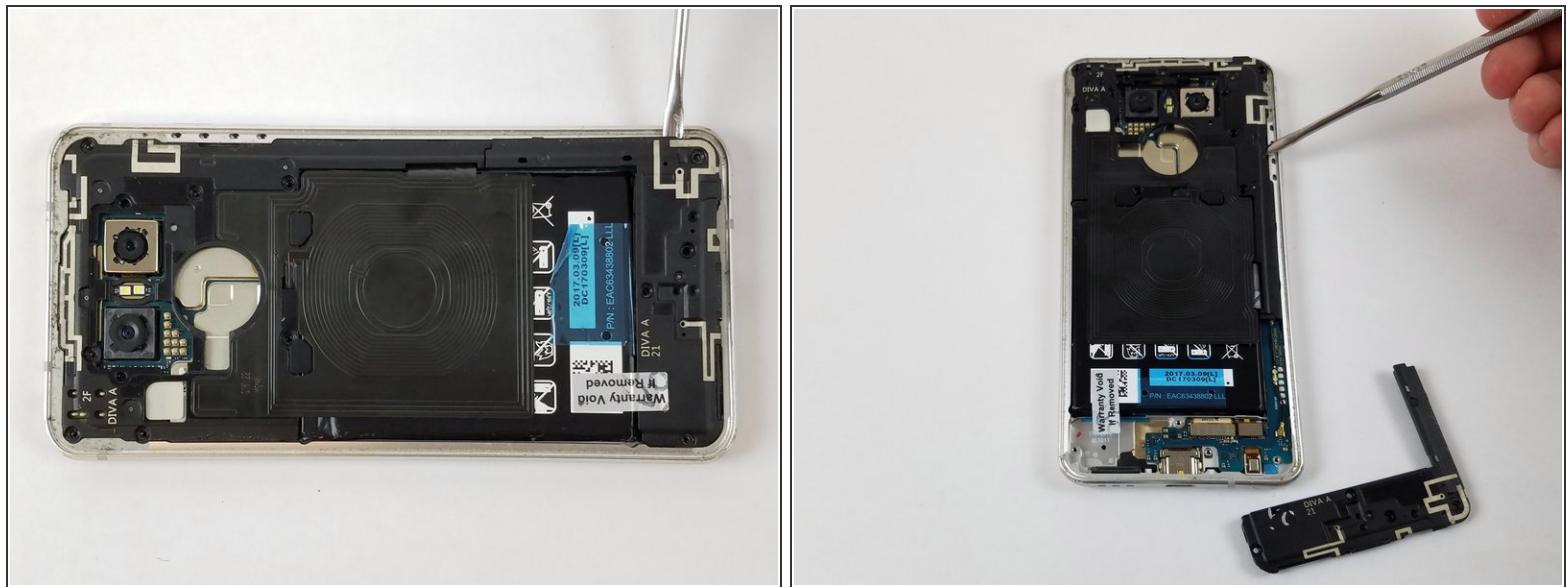
- When the back panel is heated, apply the suction cup close to a corner of the phone. Lift up and insert a halberd spudger or opening pick under the rear glass.
- Slide the blade of the Halberd spudger along the edge of the phone to separate the adhesive.
- Follow around the edge of the phone, and use an opening pick or other tool (such as a plastic card) to keep already opened portions from re-adhering.

Step 6



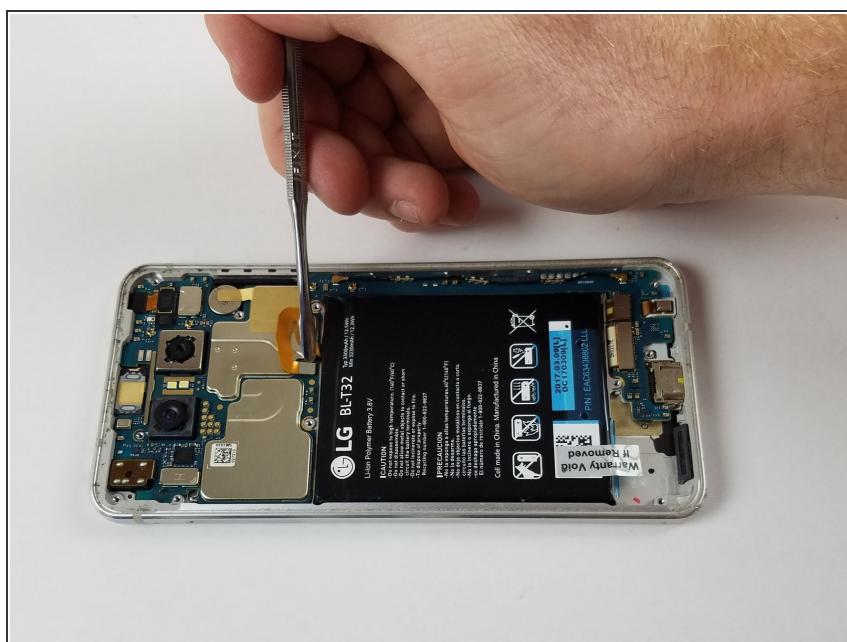
- Using a Philips 000 bit, remove 11 screws from the highlighted locations.

Step 7



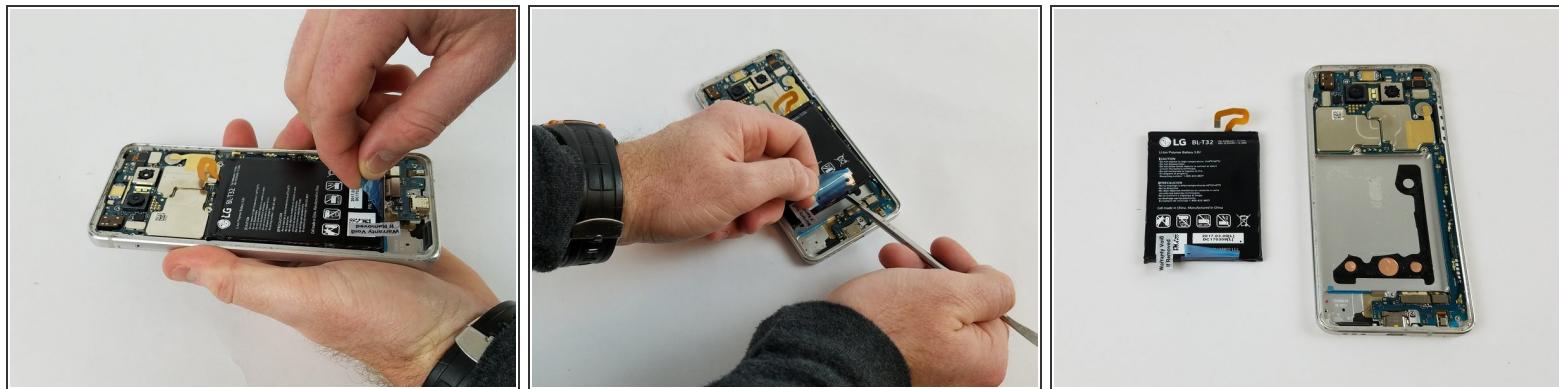
- With the screws removed, remove the lower frame components, followed by the upper mid-frame. Both components can be removed with a little prying.

Step 8



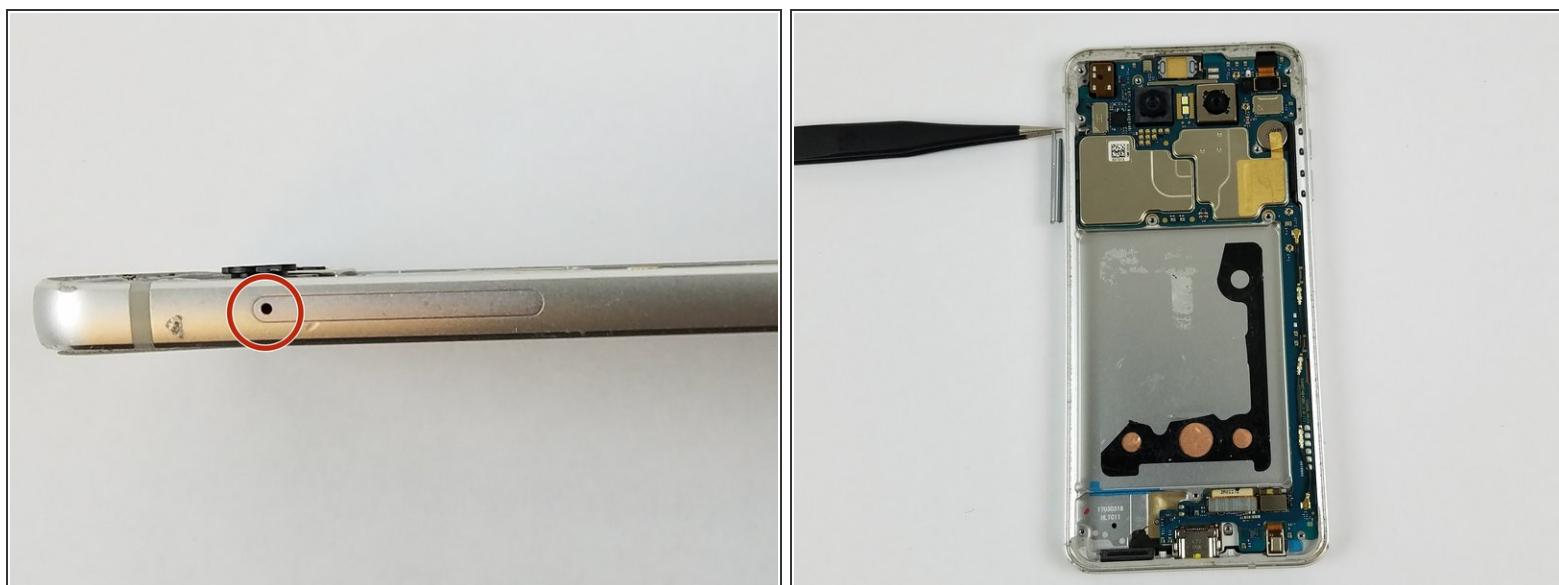
- Begin battery removal by very gently prying off the power ribbon with a plastic card or a nylon spudger.

Step 9



- Firmly pull the blue tab. Be careful not to bend the battery as you pull it away from the adhesive.
- ⚠ Do not use a knife as you may pierce the battery.

Step 10 — Motherboard



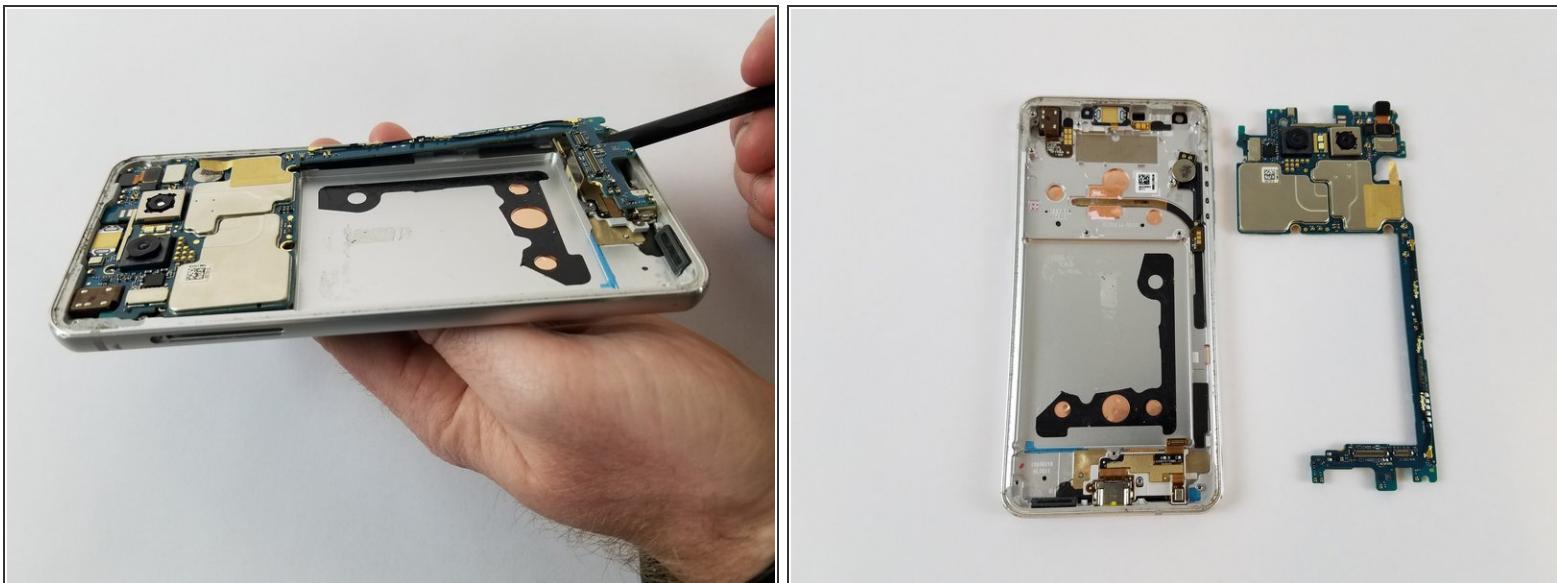
- Locate the sim card tray release mechanism on the right edge.
- Using the tweezers, or similar thin and rigid tool, push in the release button and pull out the sim card tray.

Step 11



- Gently pry off the two connectors at the bottom of the phone.
- Pry off the tape covering the vibrator.

Step 12



- The motherboard is now removable by gently lifting.

⚠ Upon removal of the motherboard, the small plastic sim card tray release mechanism will be loose and may get lost.

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