



LG V30 Plus Motherboard Replacement

Use this guide to remove the motherboard in your LG V30 Plus.

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INTRODUCTION

When your device is failing to turn on or properly function, the motherboard may be faulty. Use this guide to remove and replace the motherboard in your device.

TOOLS:

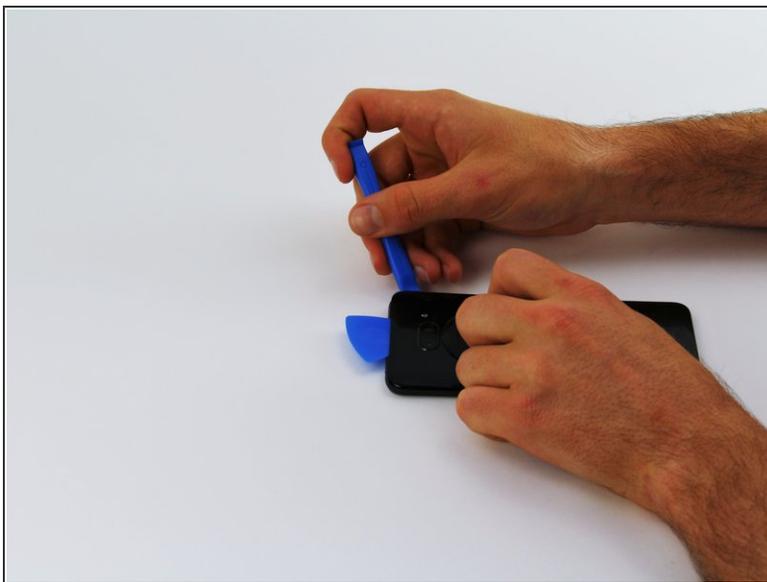
- [iFixit Opening Tools](#) (1)
 - [iFixit Opening Picks set of 6](#) (1)
 - [iOpener](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
 - [Suction Handle](#) (1)
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Step 1 — Rear Glass



- Use a pair of iOpeners by heating them in a microwave and placing the hot pads on the edges of the phone.
- Allow to sit for 1-2 minutes to heat up the adhesive.
- ⓘ A heat gun may need to be used if you have trouble separating the backing in the next step.

Step 2



- Insert an Opening Tool into the seam between the rear glass and side of the phone.
- Pry the glass off just enough to insert an Opening Pick.
- Slide the Opening Tool around the edges of the device, placing Opening Picks regularly.

Step 3



- Once all edges of the device are lifted free, use a Suction Handle to gently pull the rear glass off the device.

Step 4 — Motherboard



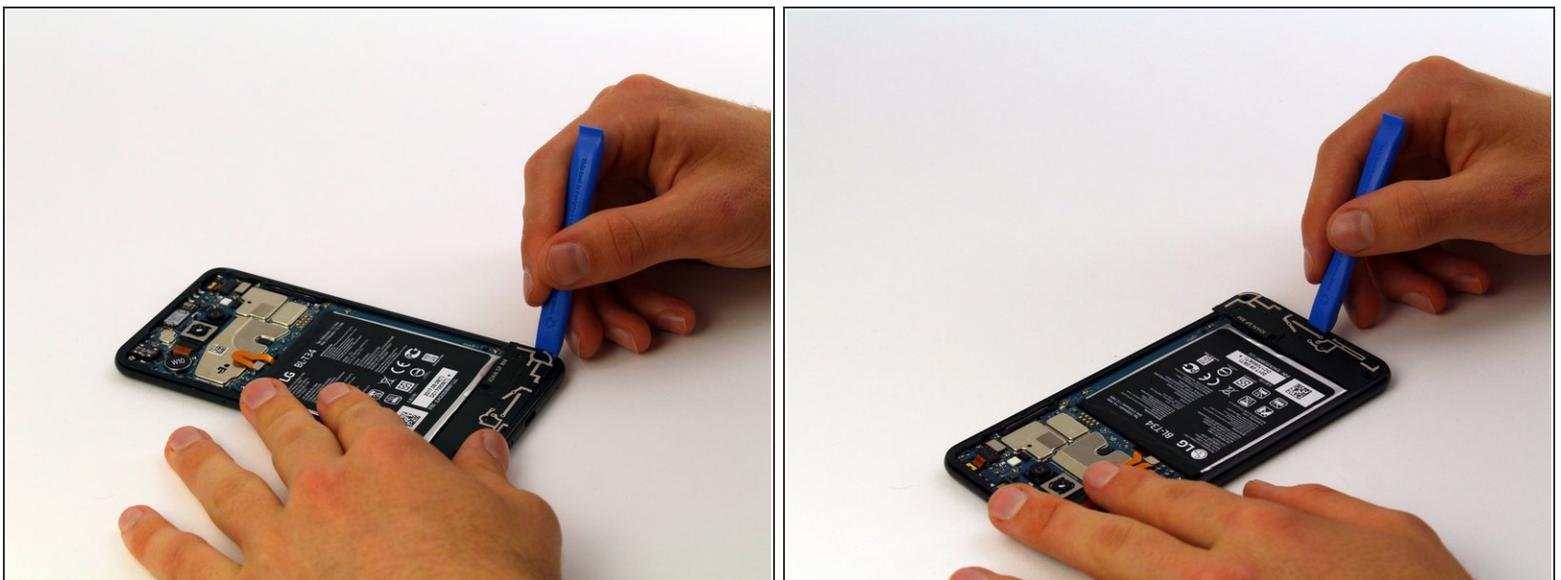
- Remove the ten 4mm screws using the Phillips #00 Screwdriver.

Step 5



- Gently push down on the small black tab with a Spudger to release the protective board.
- Slide an Opening Tool between the phone and the protective board and slide along the edges of the phone to unclip it.
- Carefully wiggle the board back and forth while gently pulling to unclip the last attachment point.

Step 6



- Slide an Opening Tool between the lower protective board and the phone to unclip.
- Slide the tool along the remaining edges of the protective board until it pops off.

Step 7



- Gently pry each visible ribbon cable away from the motherboard to disconnect them.

Step 8



- Gently remove the motherboard from the phone.

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