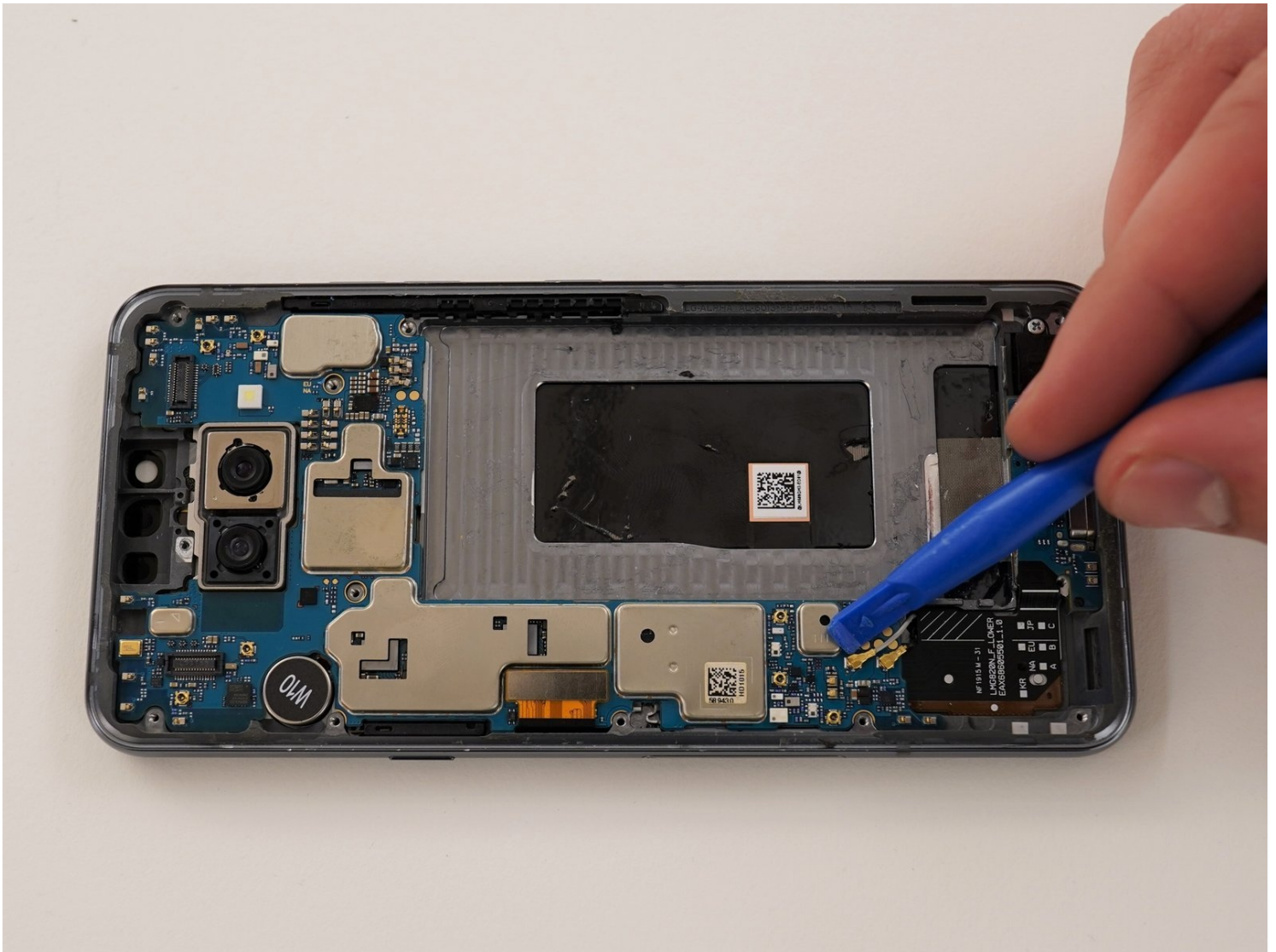




# LG G8 ThinQ Motherboard Replacement

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## TOOLS:

Heat gun or heat pad (1)  
SIM Card Eject Tool (1)  
iFixit Opening Tool (1)  
Plastic Cards (1)  
Phillips #000 Screwdriver (1)  
iFixit Opening Picks (Set of 6) (1)

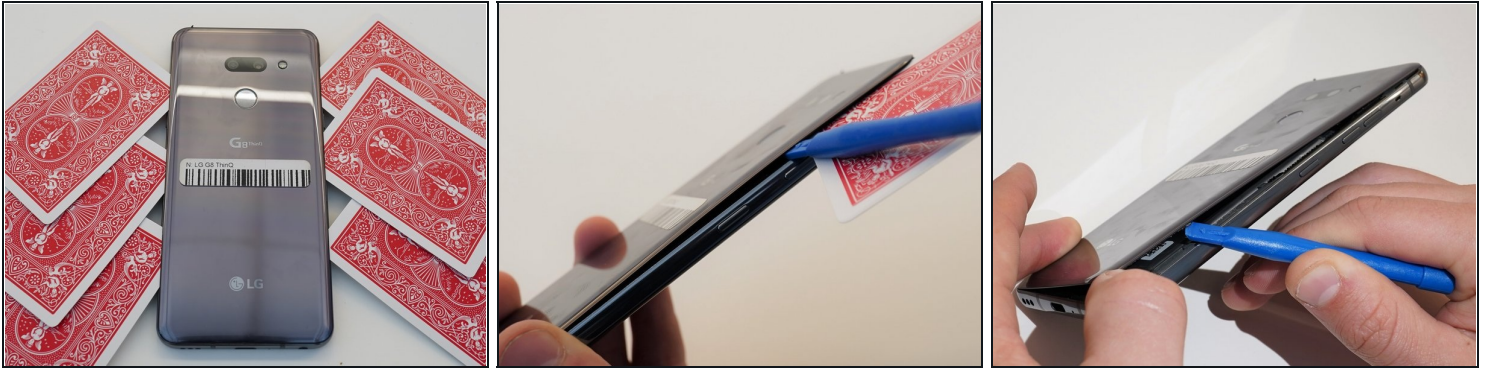
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### Step 1 — SIM Card Tray



- Unplug and power off your phone before you begin.
- Insert the SIM card eject tool into the pinhole in the lower right side of the phone.
- Remove the SIM card and tray.

## Step 2 — Back Panel



- Place the phone so that the screen is facing down.
- Insert opening cards between the back panel and frame of the phone to loosen the clips and adhesive.
- Using equal pressure, carefully pry the back panel away from the phone.
- Once enough space has been created, use an opening tool to completely separate the back panel from the phone.

## Step 3 — Midframe



- Remove all 14 screws from the midframe using a Phillips #000 screwdriver.
- Work an opening tool around the perimeter of the midframe to pry and remove it from the phone.



## Step 4 — Speaker System



- Using an opening tool, carefully pry out remove the speaker system from the phone.

## Step 5 — Headphone Jack



- Using an opening tool, carefully disconnect the ribbon cable connecting the 3.5mm audio jack to the motherboard.
- Remove the screw holding the 3.5 mm audio jack in place using a Phillips #000 screwdriver.
- Remove the audio jack from the phone.

## Step 6 — Battery



- Flip phone so that screen is facing up.
- Using a heating pad, hairdryer, or heat gun, apply heat to loosen the adhesive beneath the battery.

⚠ Be careful to not overheat the phone; the screen and battery are susceptible to damage.

i The adhesive can be difficult to soften; it may take many attempts.

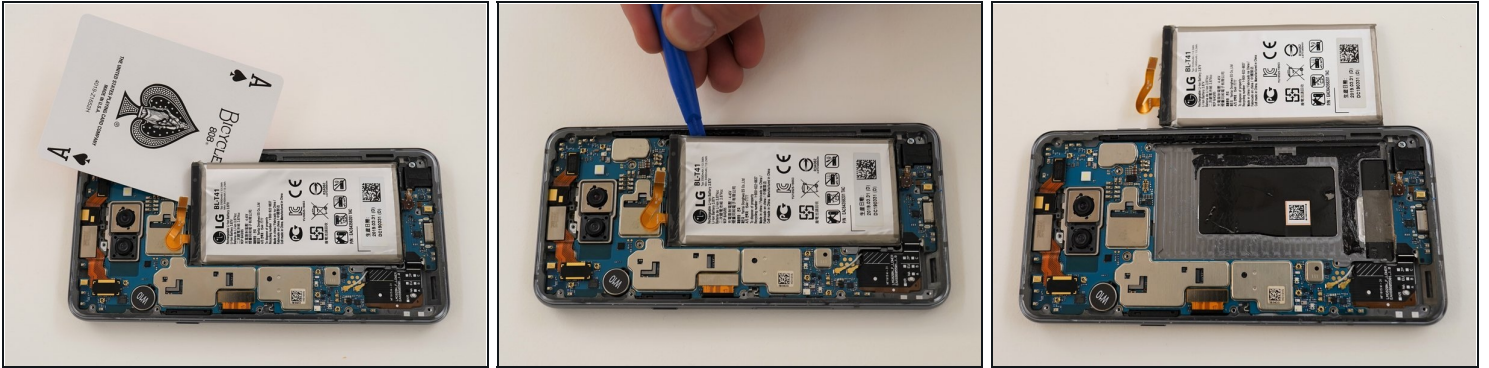
## Step 7



- Using an opening tool, carefully pry up the ribbon cable to disconnect the battery.

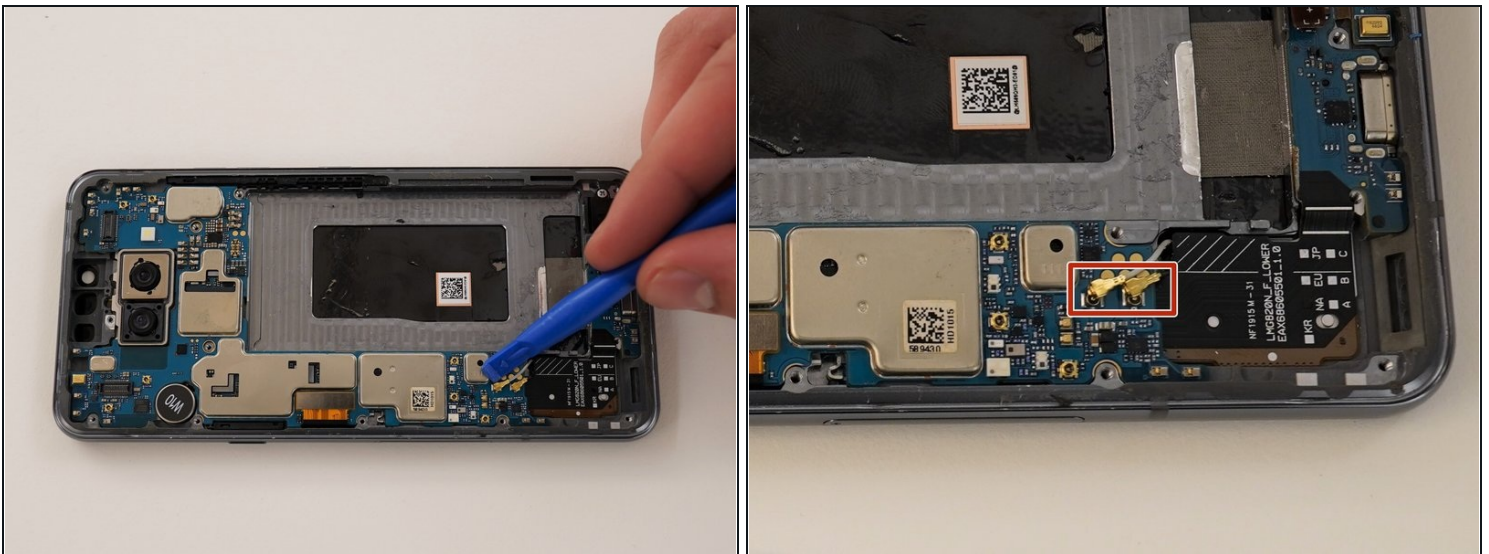


## Step 8



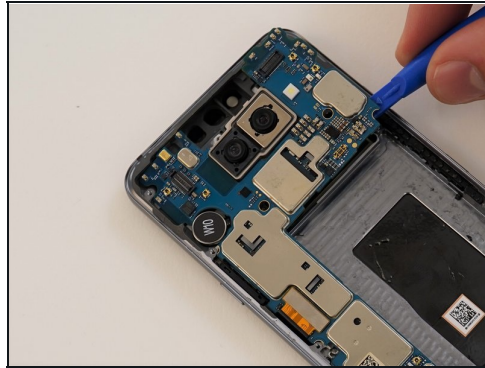
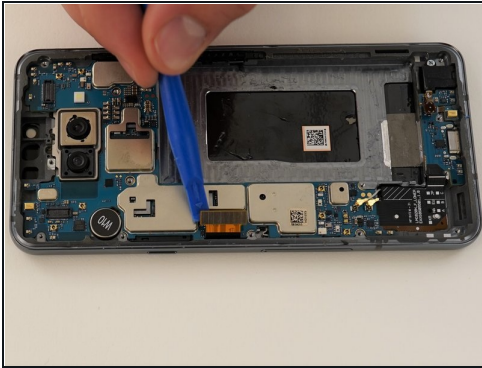
- Using opening cards or an opening tool, carefully pry around the edges of the battery.
- ① If you have trouble prying up the battery, the adhesive may not be loose enough. Re-apply heat, or use some isopropyl alcohol under the battery, allowing it to penetrate for several minutes to weaken the adhesive.
- Remove the battery from the phone.

## Step 9 — Motherboard



- Use an opening tool to disconnect the two coaxial cables from the motherboard.

## Step 10



- Using an opening tool, carefully disconnect the screen ribbon cable from the motherboard.
- Using an opening tool, carefully pry up the motherboard from the frame and remove it from the phone.

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