



Samsung Galaxy Watch3 Motherboard Replacement

This guide shows how to replace the motherboard in a Samsung Galaxy Watch3.

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INTRODUCTION

Use this guide to replace the motherboard in a Samsung Galaxy Watch3.

TOOLS:

- [Tri-point Y00 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Spudger](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
 - [ESD Safe Tweezers Blunt Nose](#) (1)
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Step 1 — Unfasten the back cover screws



- Before starting repairs, take your watch off the charger and power it down.
- Use a Tri-point Y00 driver to unfasten the four screws on the back of the watch.
- ⓘ Don't worry about removing the screws, they will stay in place in the back cover.

Step 2 — Wedge open the back cover



- Insert an opening tool between the back cover and the metal housing.
- Twist the opening tool to create a wider gap.

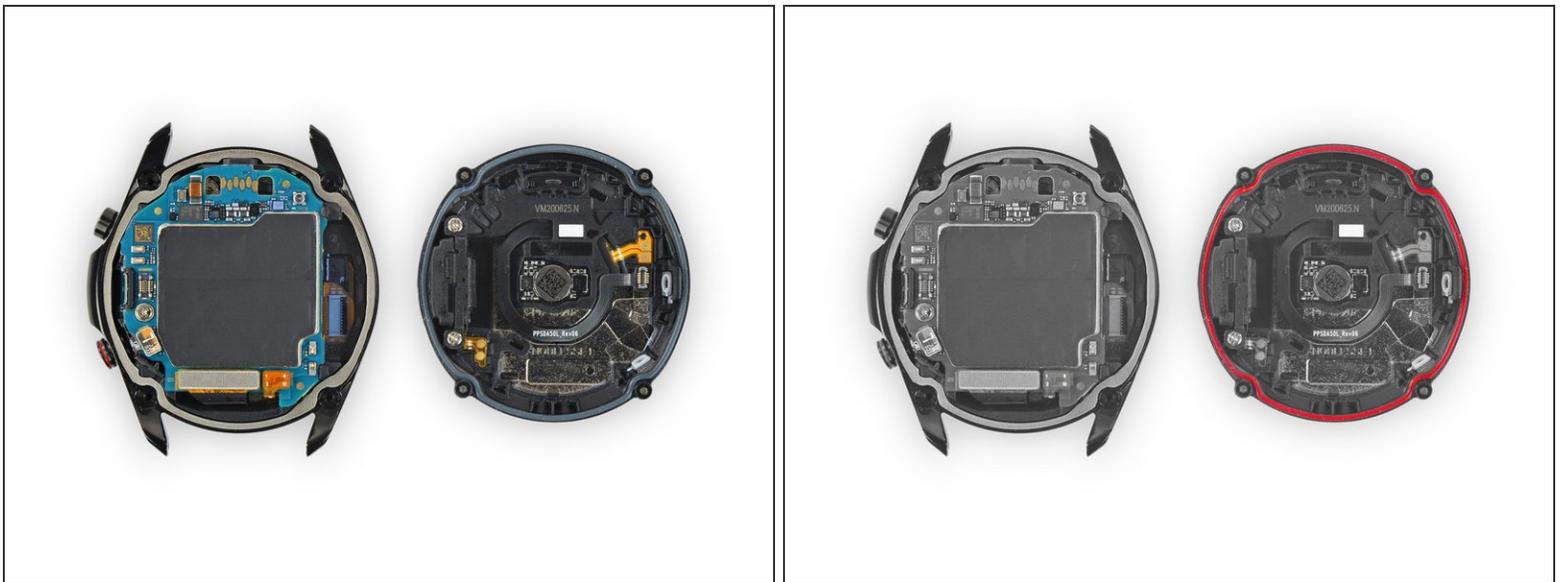
⚠ Don't fully remove the back cover just yet. The sensor flex cable is still connected to the motherboard.

Step 3 — Disconnect the sensor flex cable



- Lay the watch face down.
- Carefully lift the back cover up from the edge with the buttons to access the sensor connector.
- Use the flat end of a spudger to pry up and disconnect the sensor flex cable from the motherboard.

Step 4 — Remove the back cover



- Remove the back cover.
- ☑ Make sure the rubber gasket (marked red) is undamaged. If damaged replace it with a new one during reassembly to maintain proper water resistance.

Step 5 — Unplug the three connectors



- Use the flat end of a spudger to disconnect the flex cables of the side buttons, the display and the hall sensor.

Step 6 — Unfasten the motherboard screw



- Remove the Phillips #00 screw.

Step 7 — Remove the motherboard



- The motherboard is held in place by two small plastic clips.
- Use a pair of blunt tweezers to lift the motherboard out from underneath the plastic clips towards the buttons.
- Remove the motherboard.

If possible, turn on your device and **test your repair** before resealing.

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

Repair didn't go as planned? Try some [basic troubleshooting](#), or ask our [Answers community](#) for help.

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