



Motorola V190 Mini-USB Port/Motherboard Replacement

Shows how to replace the mini-USB port/motherboard for a Motorola V190 flip phone.

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INTRODUCTION

If your Motorola V190 cellular phone is unable to connect to the mini-USB cable, if your phone is unable to charge, or if the mini-USB port is loose, use this guide to replace the mini-USB port. The mini-USB port allows you to charge your phone.

While the mini-USB port—which is attached to the phone's motherboard—is removed, be sure to clean the port using a compressed air canister.

Make sure to power down your phone before beginning.



TOOLS:

- [TR6 Torx Security Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
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Step 1 — Antenna



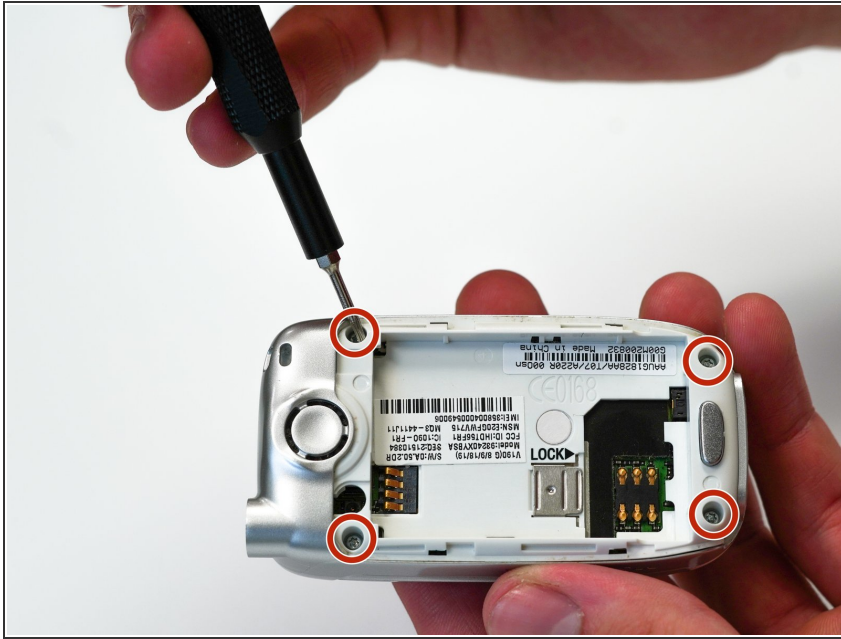
- Rotate the antenna counter-clockwise until the antenna is completely removed.

Step 2 — Battery



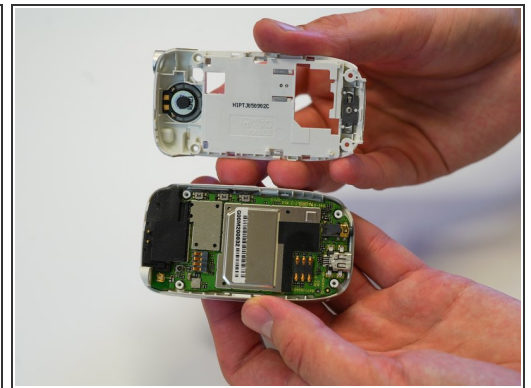
- Press the button at the bottom of the back cover.
 - Pull the back cover down.
 - Remove the battery.
-  Our device is missing the battery.

Step 3 — Mini-USB Port/Motherboard



- Use the TR6 Torx Security Screwdriver to remove the four 6.3mm Torx screws on the back.

Step 4



- Use the iFixit opening tool to pry open the crevice at the top of phone.
- Use the same tool to pry open the crevice at the bottom of the phone.



At this time, do not separate the ribbon from the motherboard at the bottom of the phone.

Step 5



- Remove the black rubber piece from the top of the motherboard.
- Disconnect the rectangular ribbon from the motherboard.
- Remove the motherboard.

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