



Garmin GPS V Logic Board Replacement

This guide will help users replace the logic board.

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 **TOOLS:**

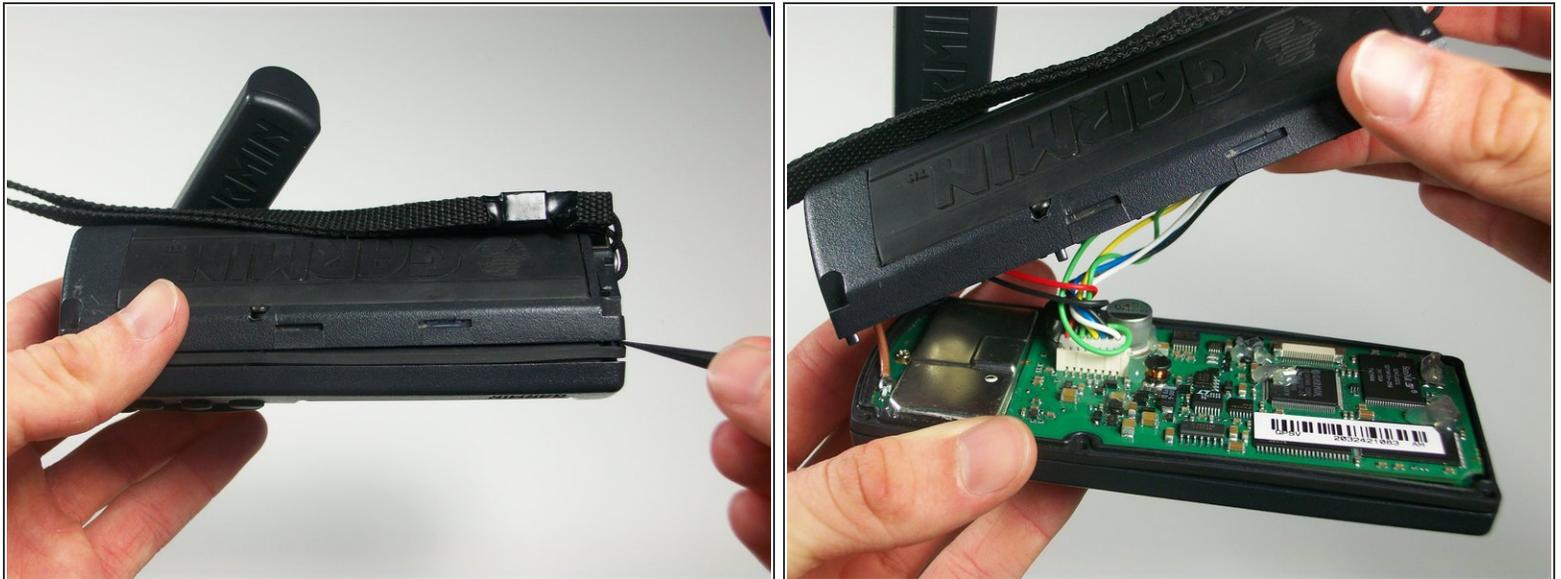
- Phillips #0 Screwdriver (1)
- Phillips #1 Screwdriver (1)
- Soldering Workstation (1)
- Spudger (1)

Step 1 — Logic Board



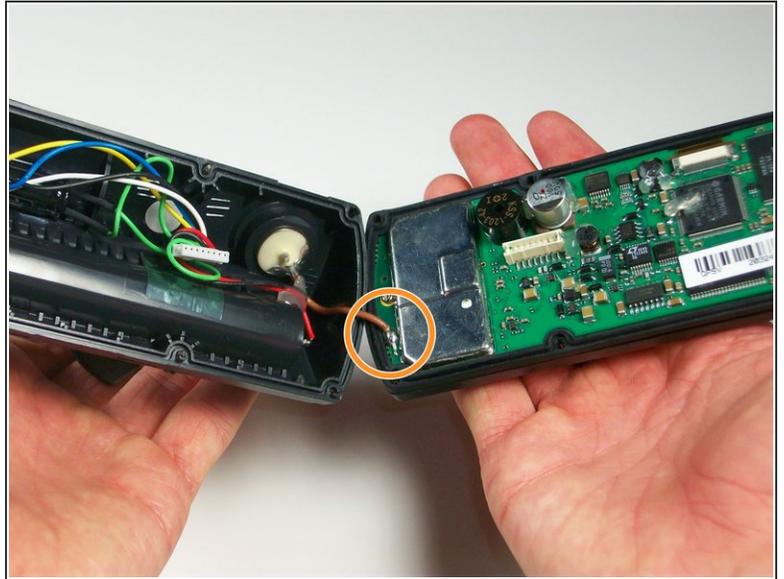
- Orient the GPS V backside up.
- With a #0 Philips screwdriver, remove six M2x0.4 black screws on the back of the unit.

Step 2



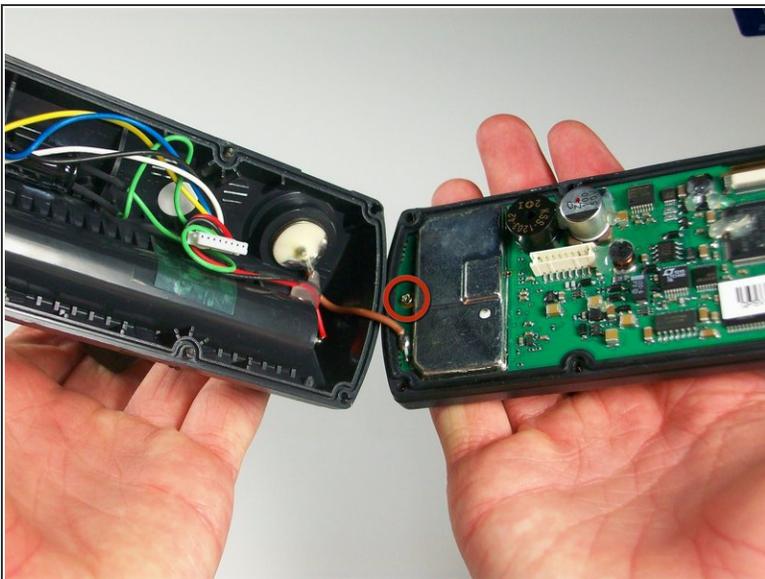
- With the spudger, gently pry the back plate off the unit starting at the corners.
- Open the back plate about 35°, use the antenna side act like a hinge.
- ⚠ Do **NOT** remove the back plate all the way, there are cables connected to it.

Step 3



- Locate the white 8-pin connector on the logic board and disconnect it.
- Open the device all the way, making sure to not disconnect the brown antenna wire.

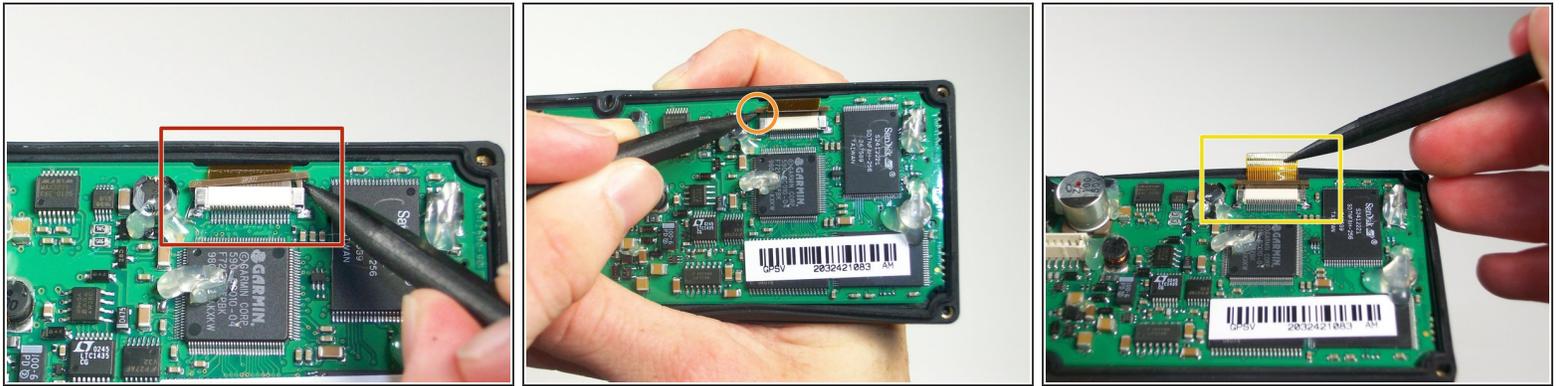
Step 4



- With a #1 Philips screwdriver, remove the silver M2x0.4 screw on the logic board near the brown wire.
- ⓘ You may need to rotate the device to get better access to the screw.

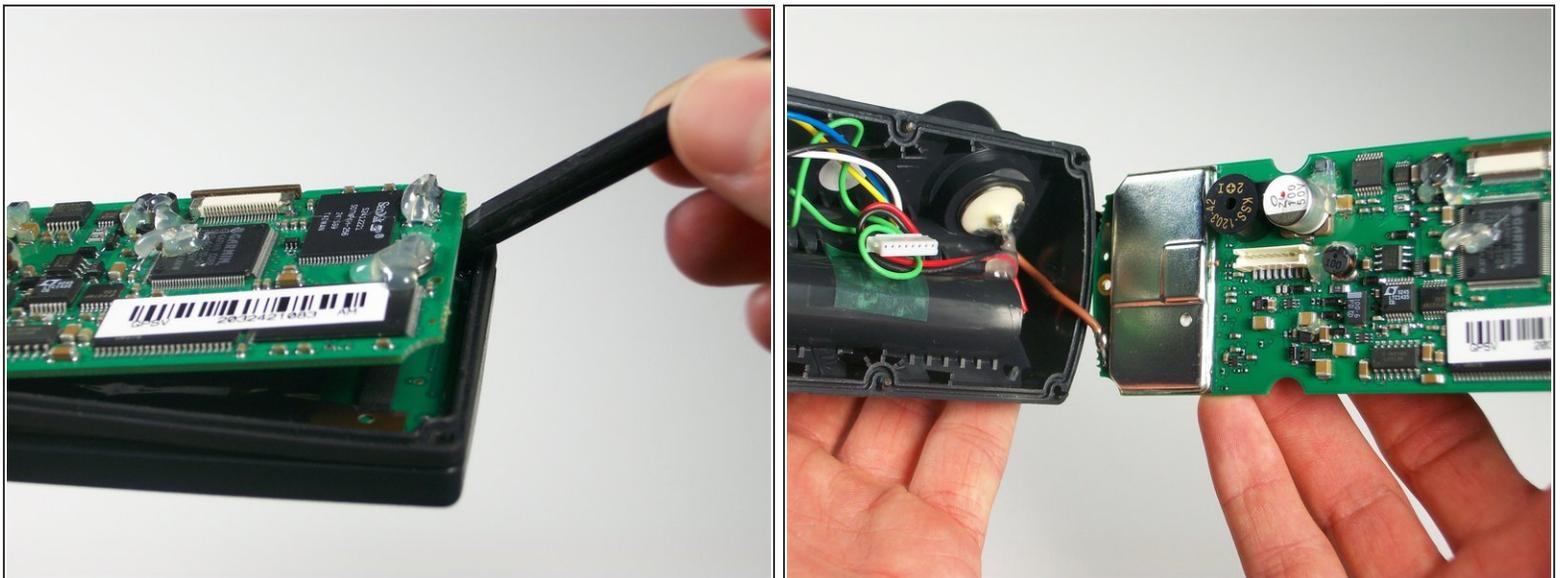
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Step 5



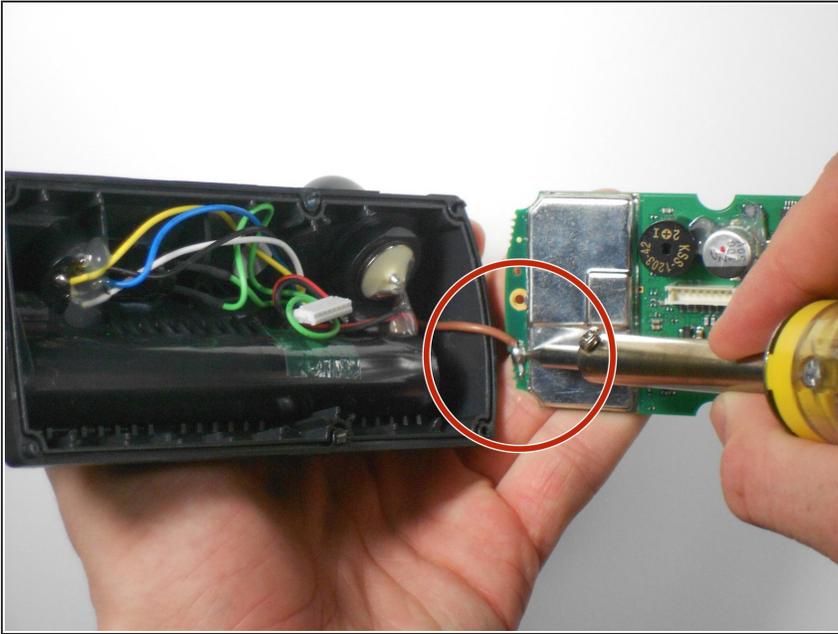
- Locate the ribbon connector on the logic board.
- With the spudger, gently apply pressure to both sides of the brown connector lock until it pushes out.
- With the spudger, gently work the ribbon cable out of the connector until it is free.

Step 6



- With the spudger, gently pry out the logic board.
- ⚠ Be careful to not disconnect the brown antenna wire as you remove the logic board.

Step 7



- Locate the brown wire connection on the logic board.
- Carefully apply heat with the soldering iron while gently pulling on the brown wire.
- ⓘ It may take some time to heat the flux up before the wire can be pulled out.
- Pull brown wire free of the logic board.

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