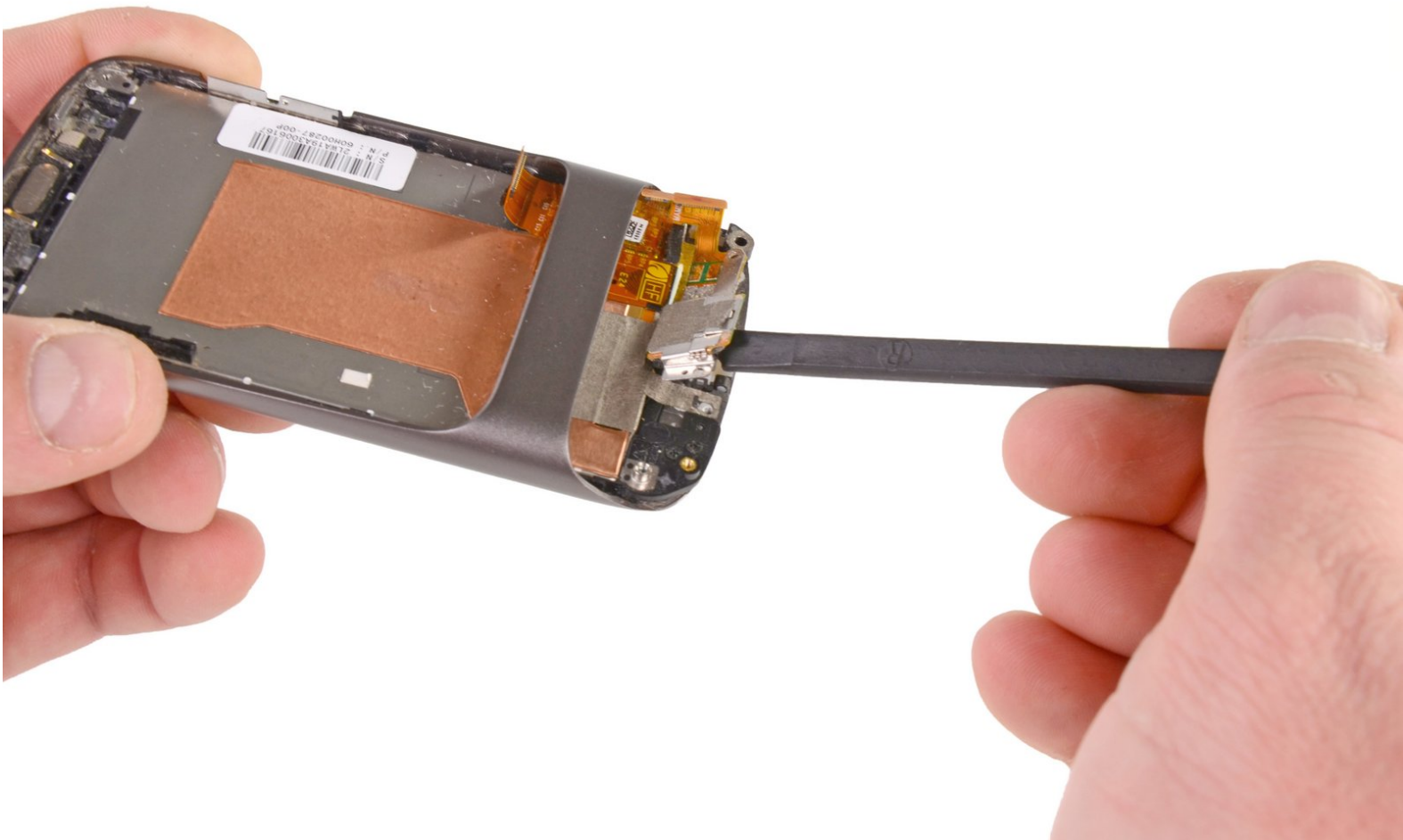




Nexus One Trackball Replacement

This guide is for installing the trackball on the Nexus One.

Written By: Niklas Johnson





TOOLS:

- [iFixit Opening Tools](#) (1)
- [Spudger](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [T5 Torx Screwdriver](#) (1)

Step 1 — Rear Cover



- Using two fingers, push up on the rear cover.

Step 2



- The rear cover slides up and off.

Step 3 — Battery



- Using the plastic opening tools, pry the left bottom corner of the battery up.

Step 4



- Pull the battery up and out.

Step 5 — Battery Housing



- Remove the two Torx T5 screws.
- Remove the one Philips #00 screw.

Step 6



- Using the plastic opening tool, pry up the battery housing upwards.
- Push pry tool down, undoing the plastic tab.

Step 7



- Pry the upper left tab open on the battery housing.

Step 8



- Pry the top tab of the battery housing.

Step 9



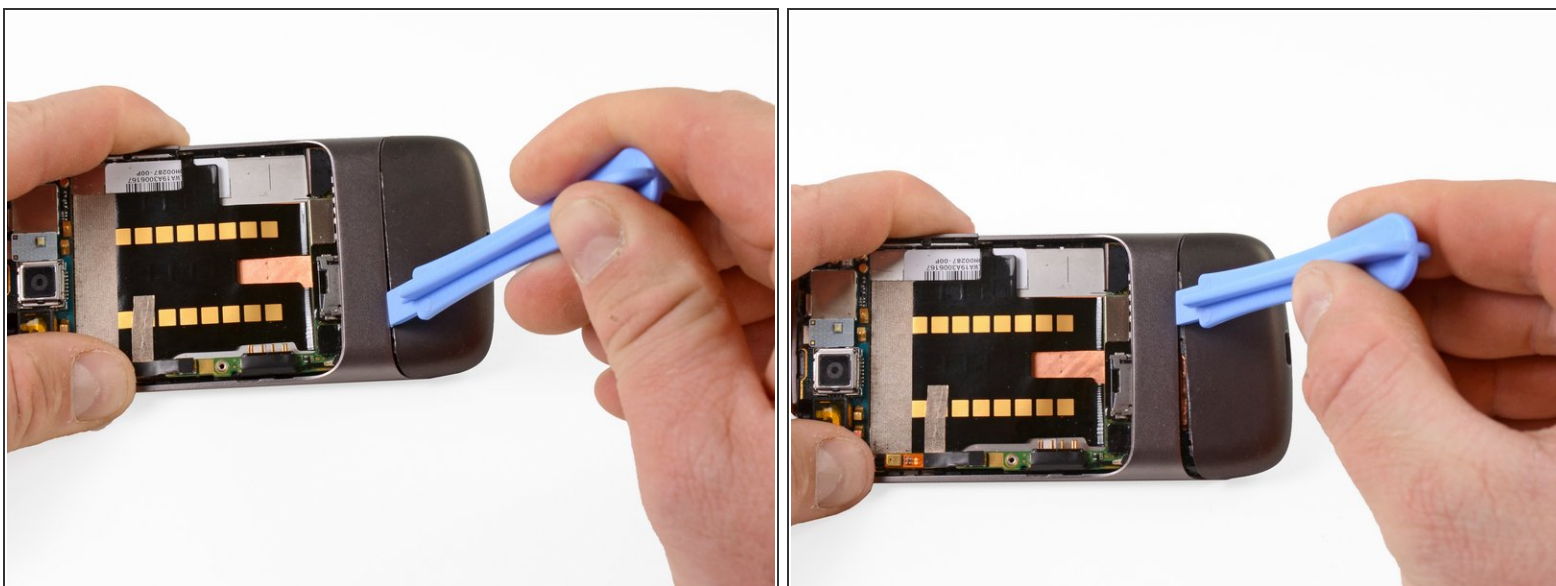
- Pry the right side tab of the battery housing.

Step 10



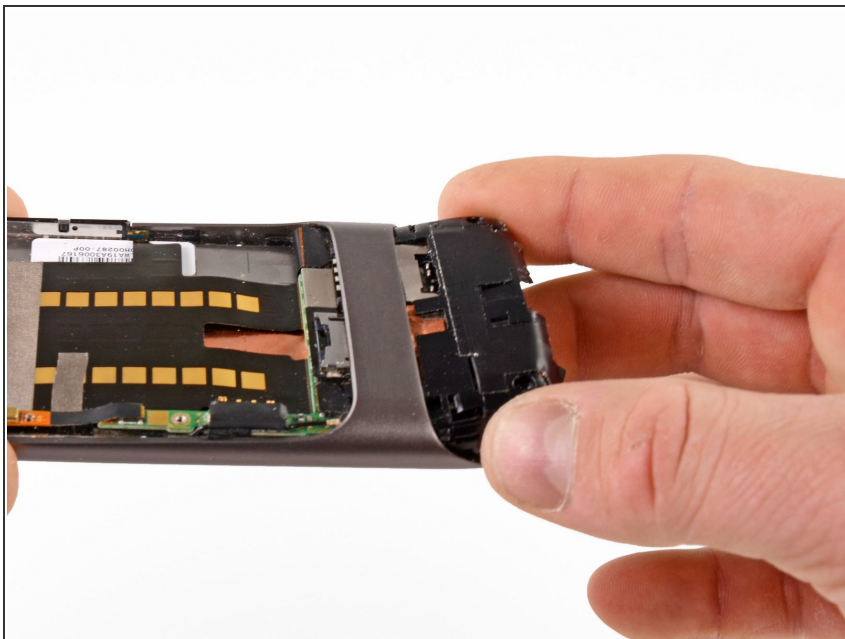
- Pull up on the battery housing.
- Slide the battery housing out to remove it.

Step 11 — Lower Cover



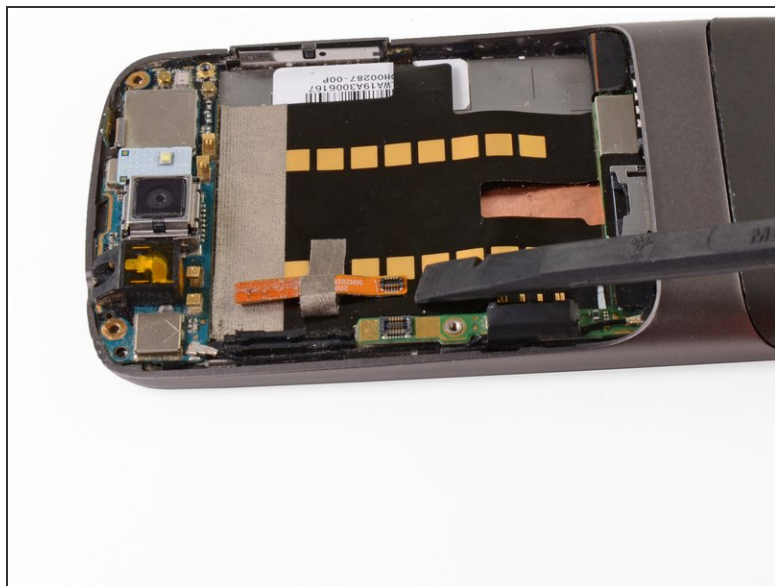
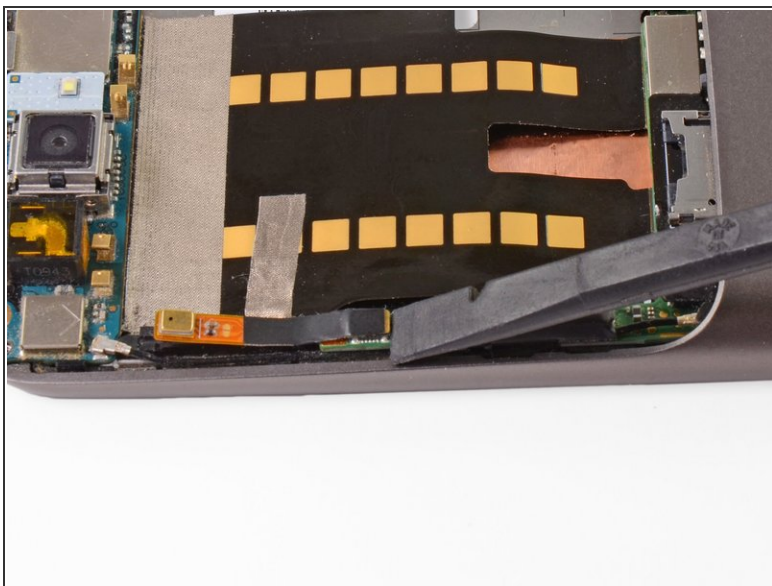
- Using the plastic opening tool, push the blade into the space between the case and lower cover.
- Turn the opening tool slightly, the lower cover will detach on that side.
- Repeat on other side of the seam.
- The lower cover will slide off.

Step 12 — Antenna Housing



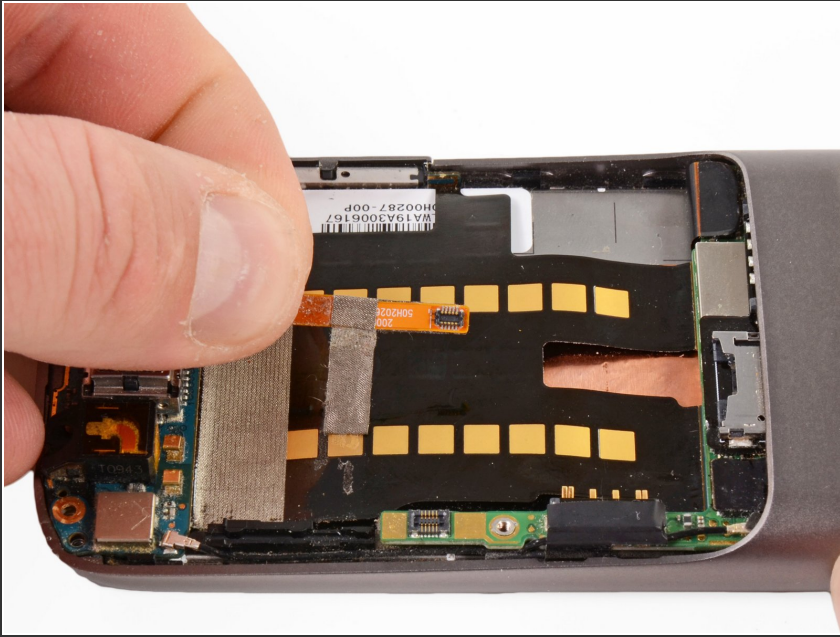
- Remove the one T5 Torx screw
- Remove the one #00 Philips screw
- Lift up the end of the antenna housing and slide it outwards.

Step 13 — Secondary Microphone



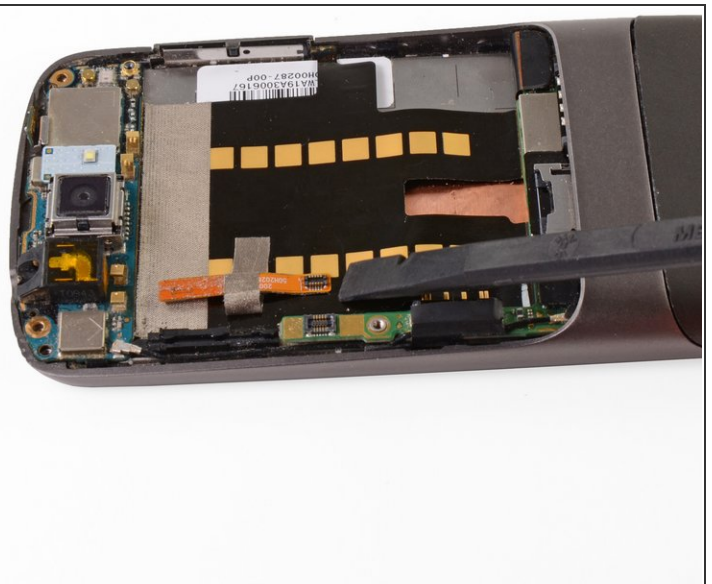
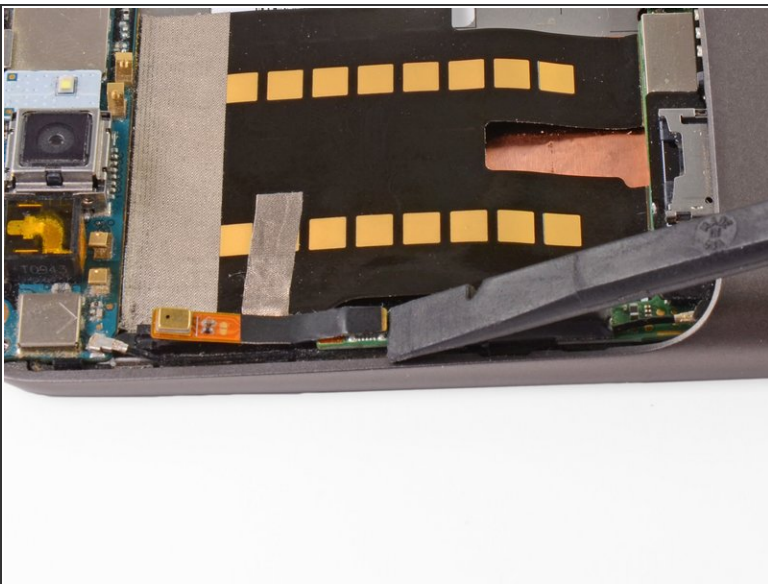
- Using the spudger, pry upwards on the second microphone connector.

Step 14



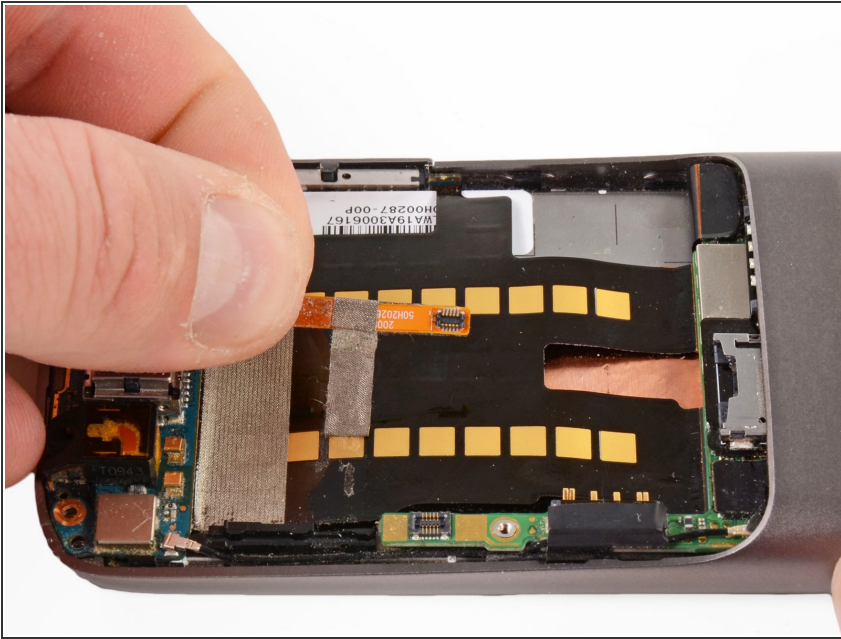
- Pull up on the ribbon cable, the tape will detach from the main board ribbon.

Step 15 — Antenna Cable



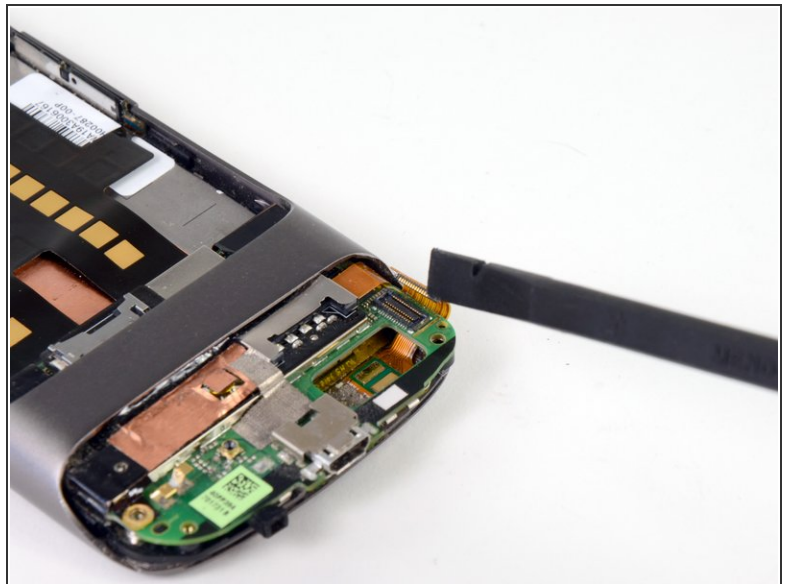
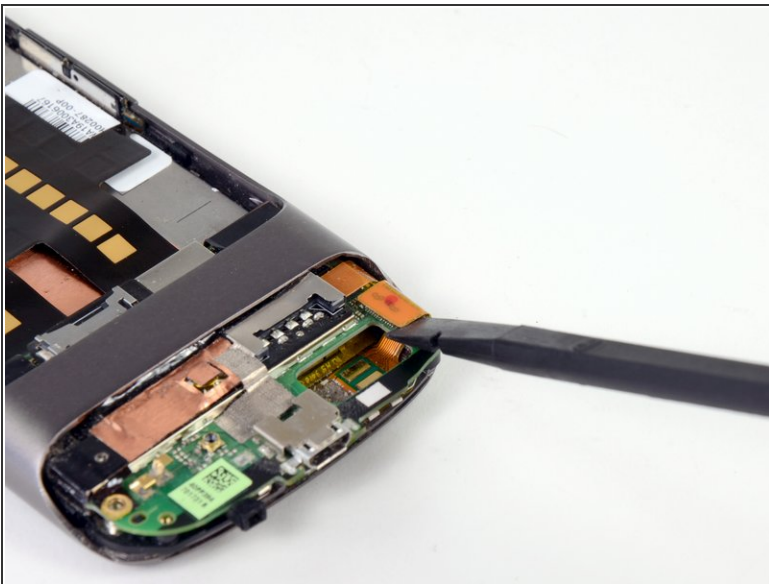
- Pry the antenna cable up.

Step 16



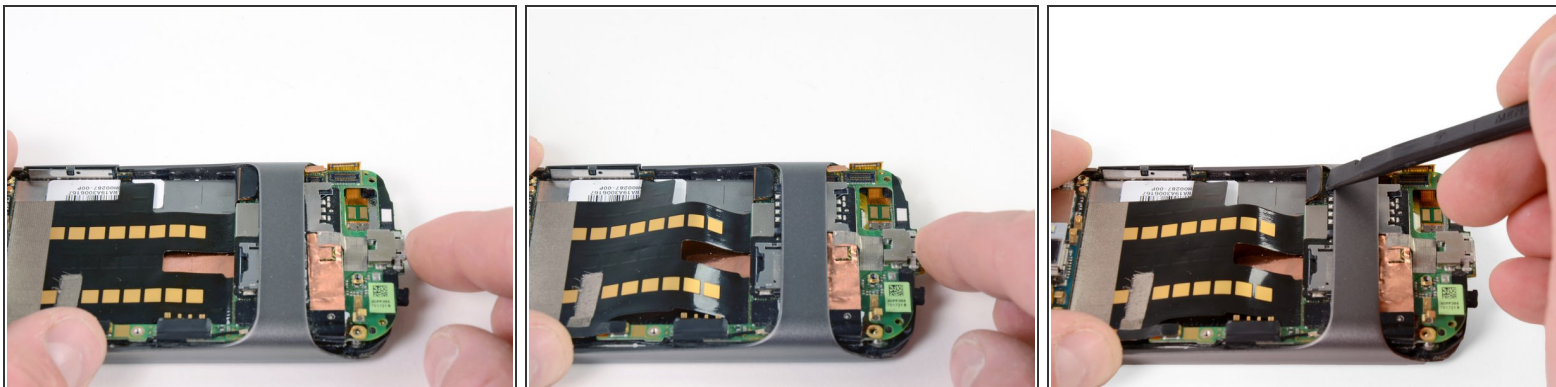
- Carefully pull up on the microphone board to release the tape from the phone.

Step 17 — Motherboards



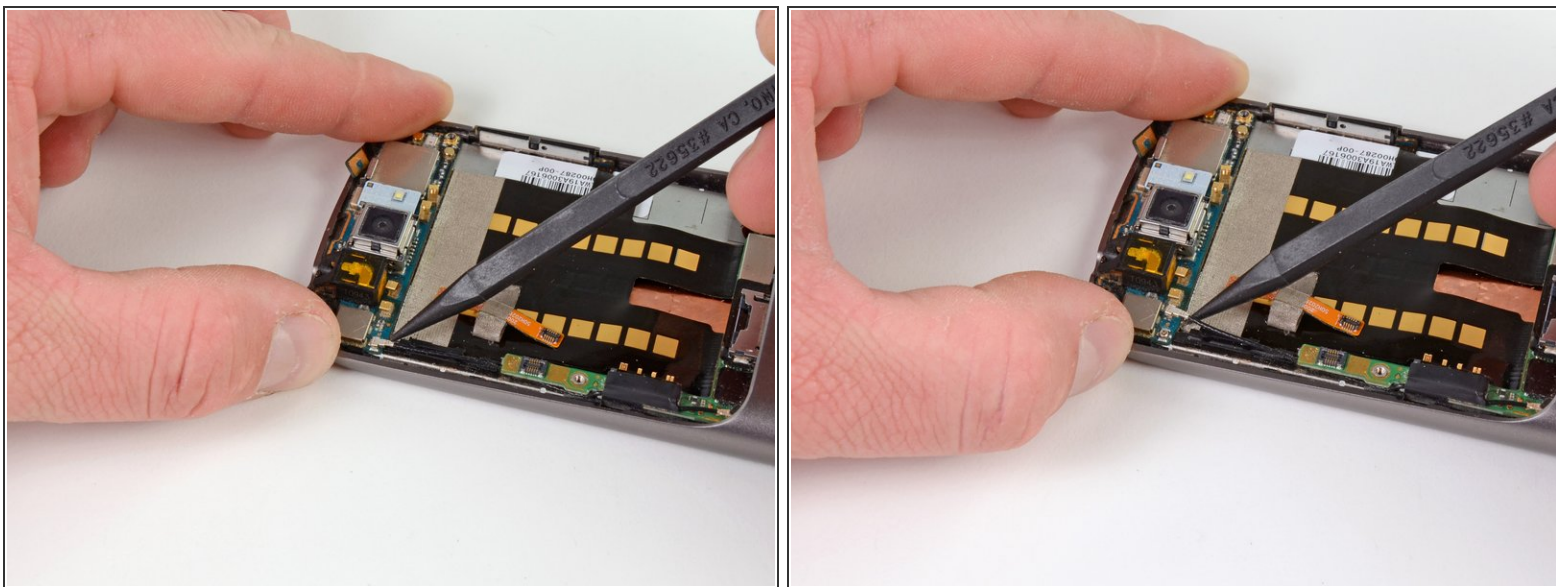
- Insert the spudger under the connector.
- Push the spudger up and twist to release the connector.
- Repeat for the next connector.

Step 18



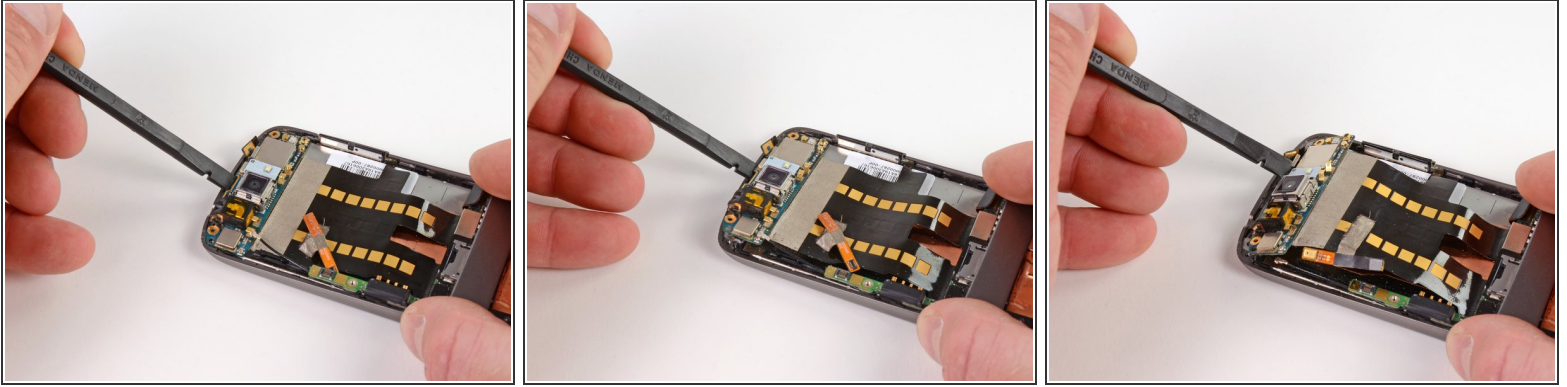
- Push on the USB port to expose the black connector.
- Use the spudger to pry the connector upwards.

Step 19



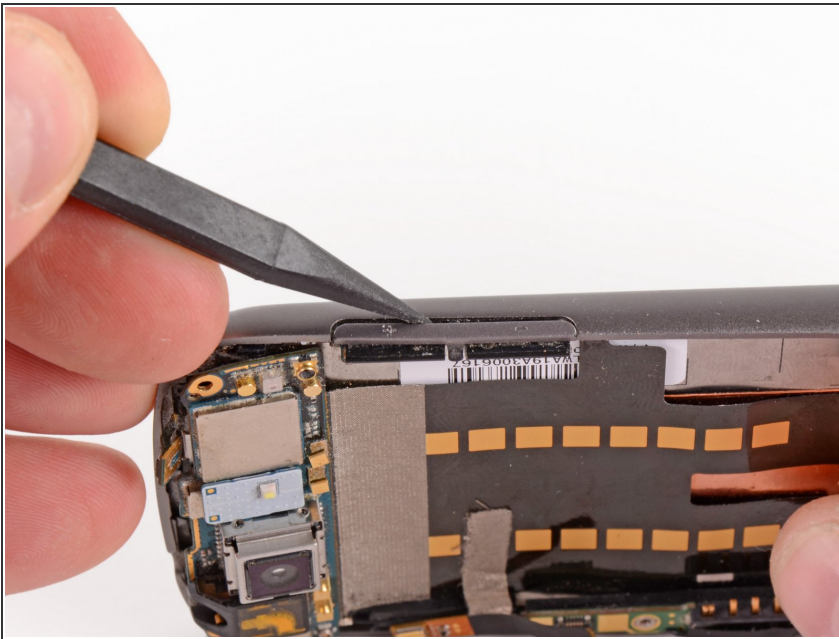
- Place the spudger under the antenna connector.
- Pry connector up vertically.

Step 20



- Insert the spudger into tab above the camera.
- Slide upwards until the board detaches from the case.

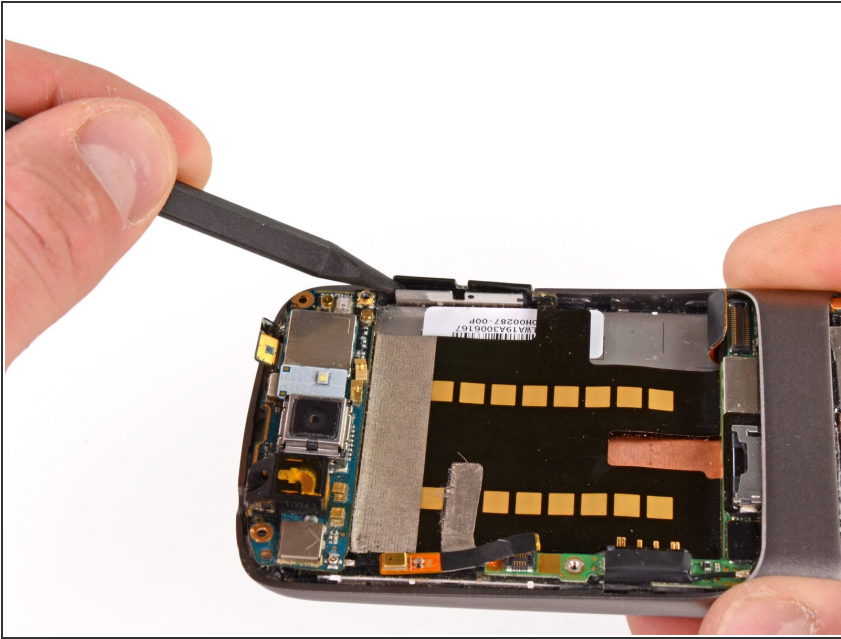
Step 21



- Press the pointed tip of the spudger into the space below the button assembly.
- Wiggle the spudger tip towards the outside of the button.

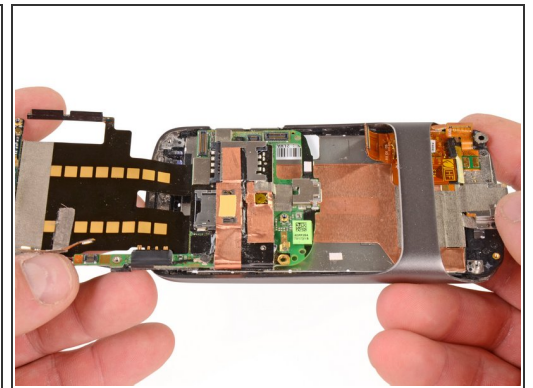
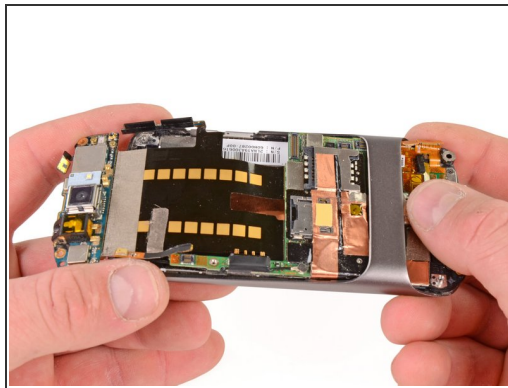
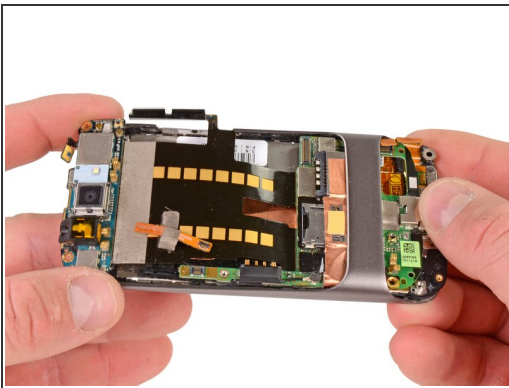
⚠ The button assembly is under some tension and may fly off.

Step 22



- Push the pointed tip of the spudger into the base of the side button board.
- Lift up, the board will disconnect from the case.

Step 23



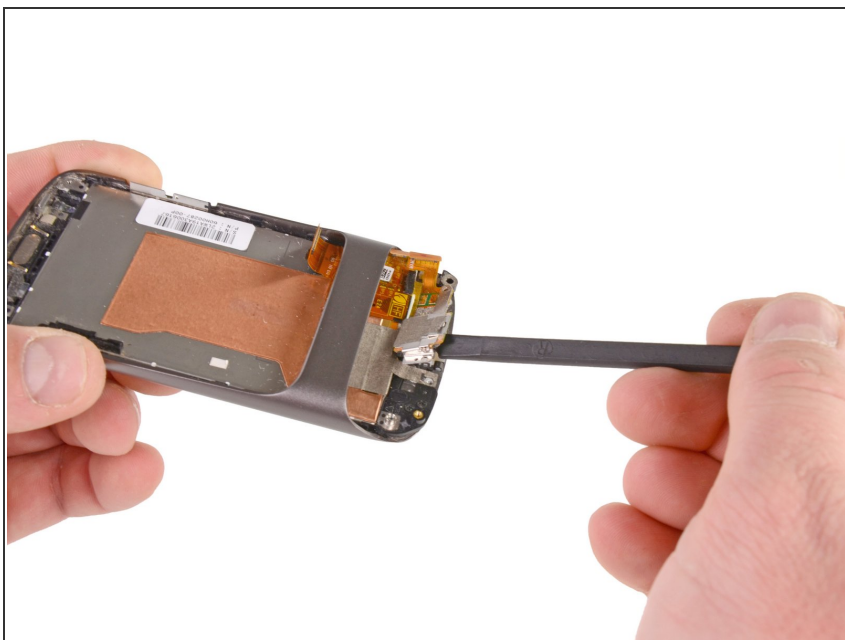
- Push on the lower motherboard until it slides under the case support.
- The motherboard assembly comes out as a single piece.
- Save the small black rubber rectangular sound guide under the motherboard, to replace over the microphone.

Step 24 — Trackball



- Remove the three #00 Philips screws from the trackball housing.

Step 25



- Using the spudger, pry up the trackball housing to expose the trackball assembly.

Step 26



- The trackball pushes out from the outside of the phone.
- ⓘ The trackball assembly only mounts a single way. The metal tab under the ball should hinge closest to the bottom of the phone. (RE-EDIT)

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