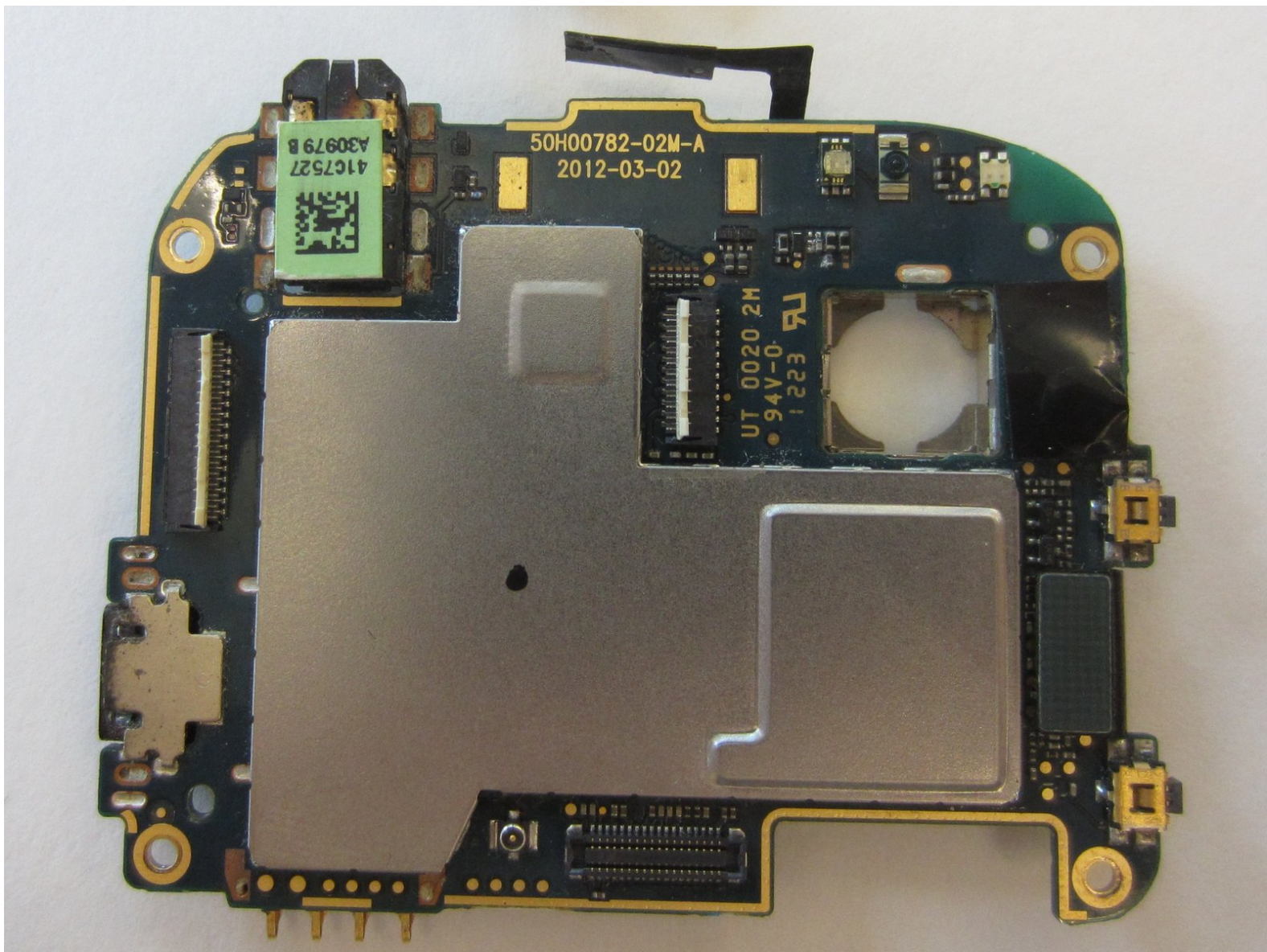




HTC Desire V Motherboard Replacement

This guide will outline how to disassemble the logic board of the HTC Desire V smartphone for replacement.

Written By: William McCusker



INTRODUCTION

This guide will outline how to disassemble the logic board of the HTC Desire V smartphone for replacement.


TOOLS:

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



- Gently pry back cover away from phone.

 If you are having difficulty you may need to use a Spudger or plastic opener.

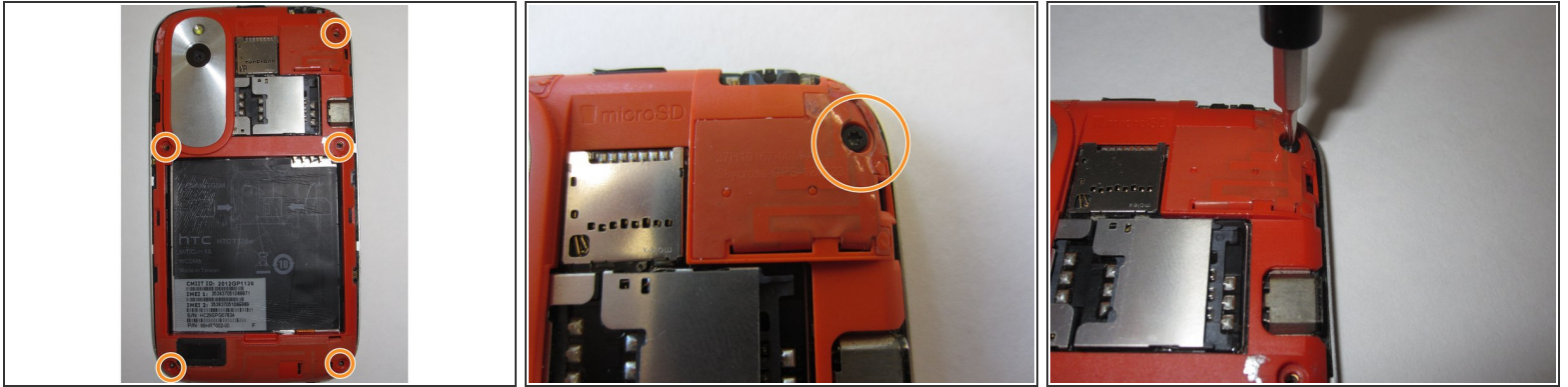
Step 2



- Lever the battery out from the bottom end first.

 Do not bend or puncture the battery.

Step 3 — Midframe



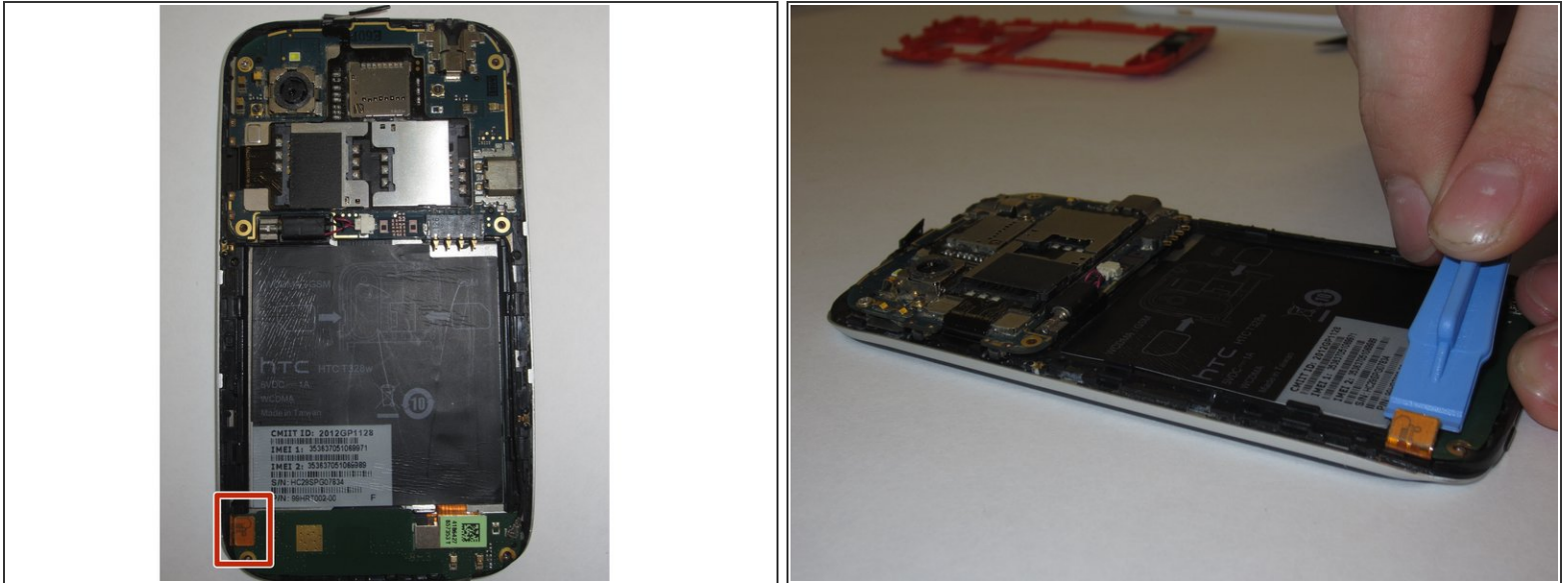
- Use a Torx T5 screwdriver to unscrew and remove five 3.0 mm screws from the rear frame.

Step 4



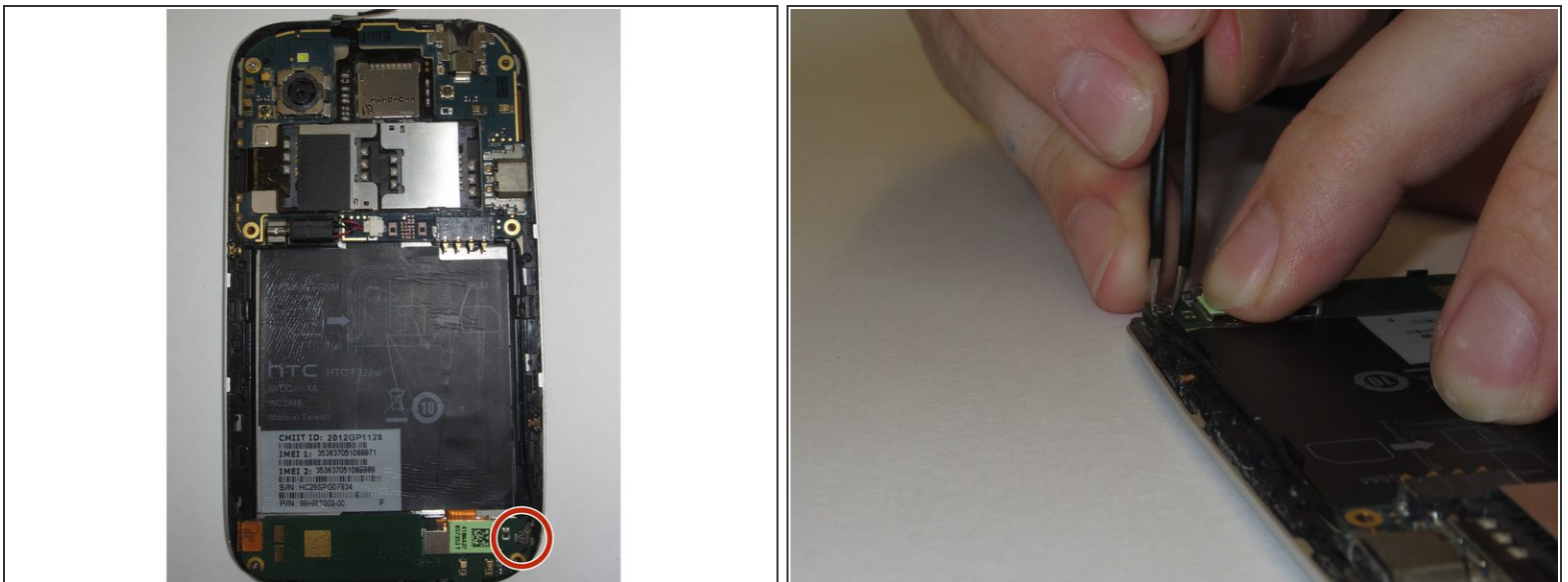
- Use an opening tool or a spudger to gently remove the rear frame.

Step 5 — Button Assembly



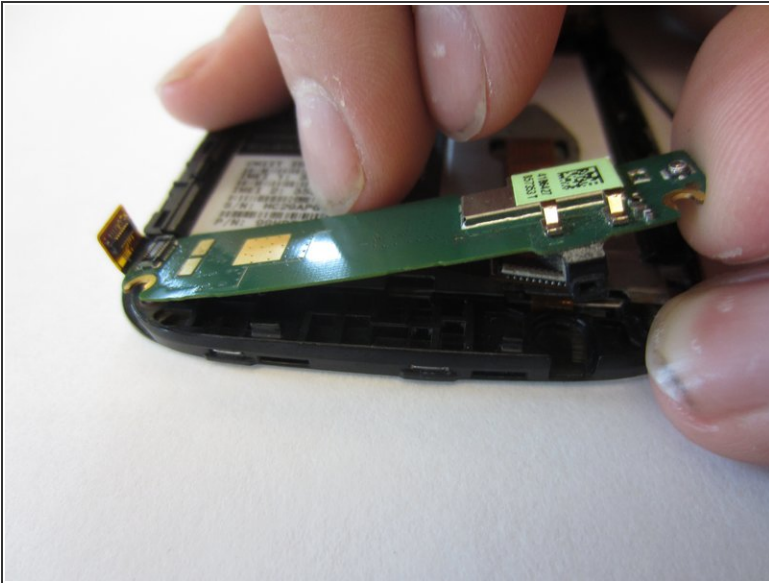
- Remove the connector on left side of the Navigation board by unplugging/prying the orange ribbon.

Step 6



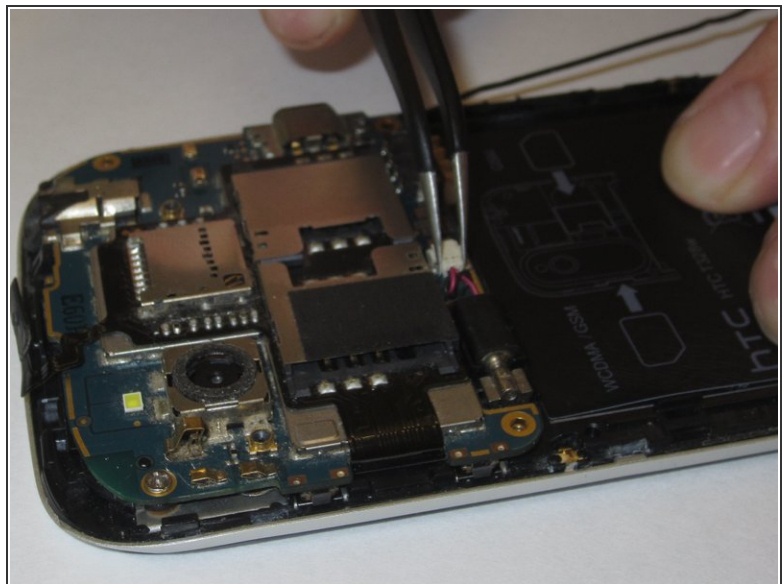
- Gently unplug and remove aerial cable (black antenna) from bottom plug.

Step 7



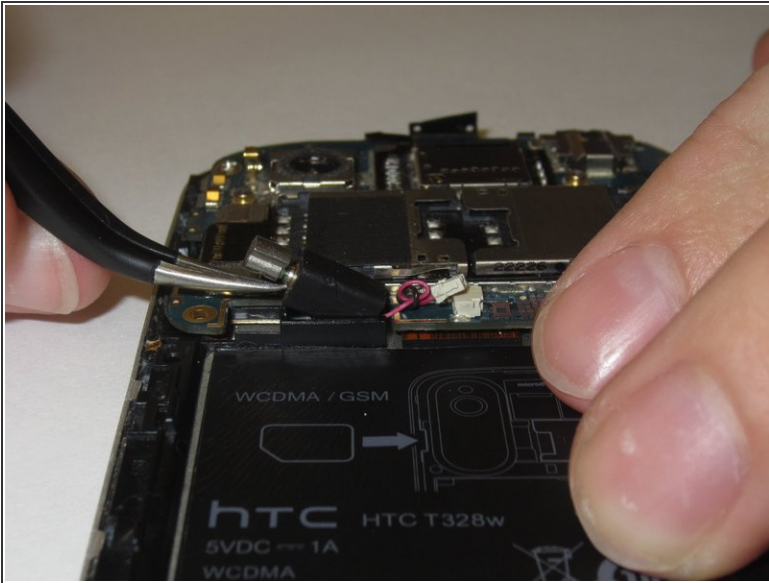
- Nav Board will be stuck down by glue.
- Pull gently from the right end of the board, being careful of its flexibility.

Step 8 — Vibration Motor



- Unplug the vibration motor shown from the white plug on the motherboard.
- You will probably need tweezers to do this.

Step 9



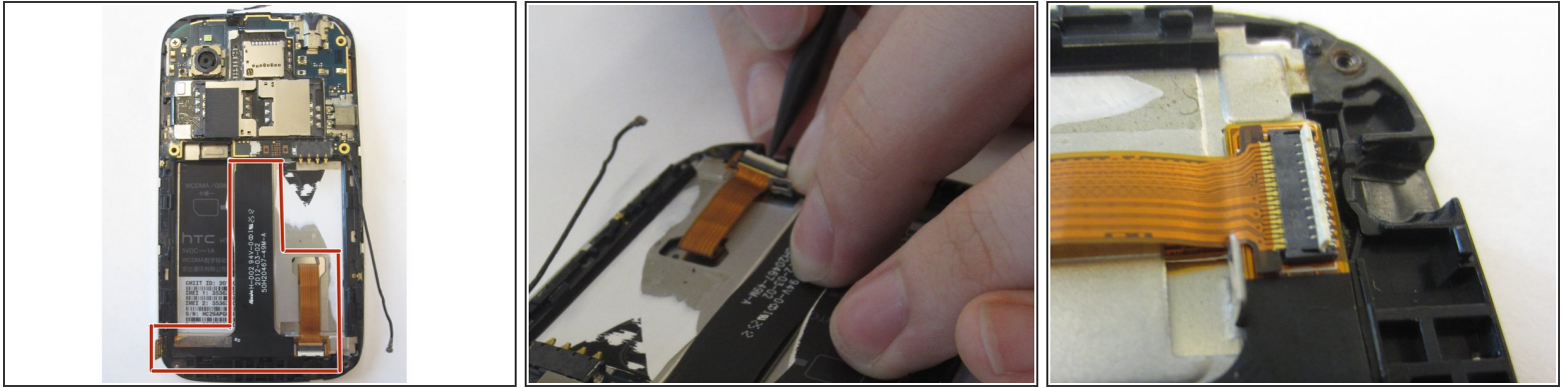
- Gently remove the motor from its housing in the phone's chassis.
- The easiest way to do this is to lever the motor out by its rotating end using the tweezers.

Step 10 — Motherboard Assembly



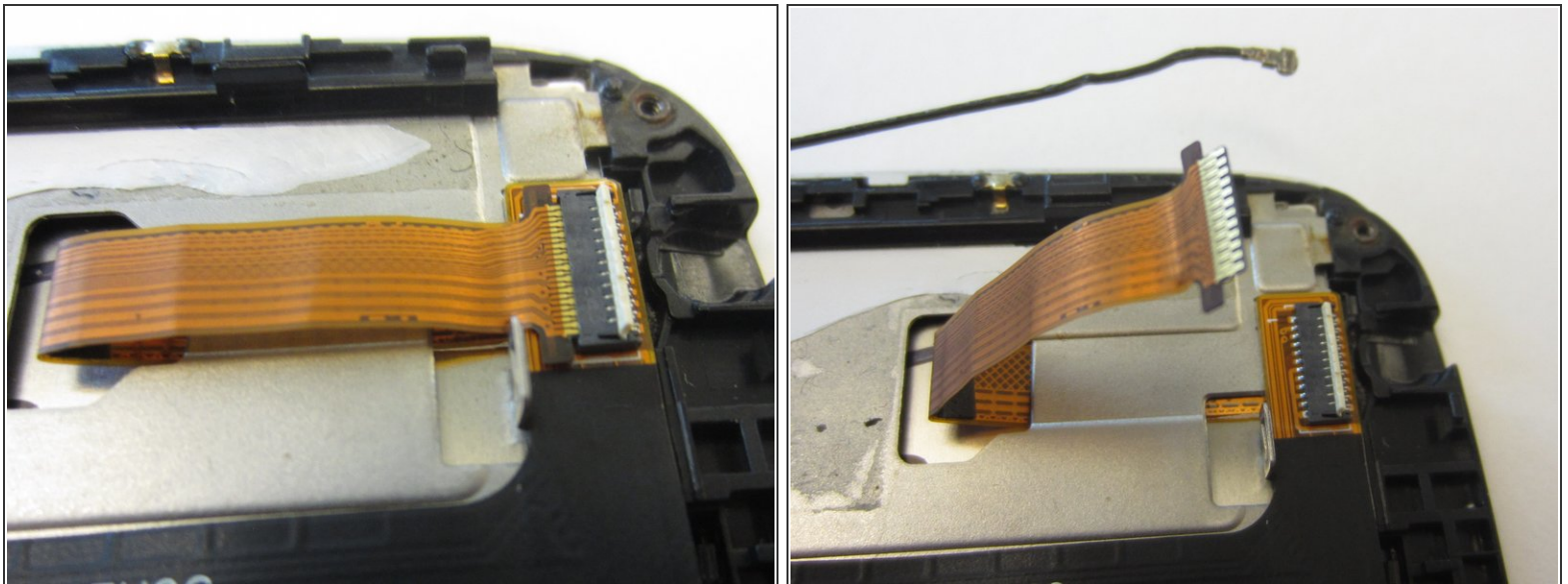
- Remove the black information sticker if this is the first time opening the handset.

Step 11



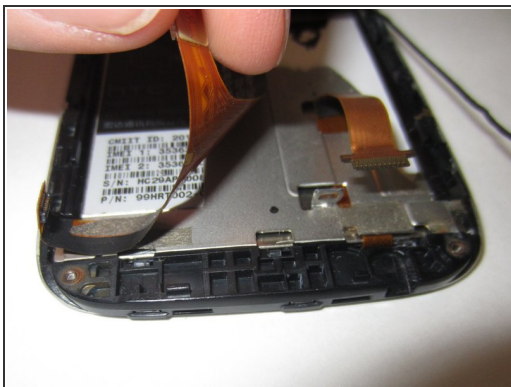
- You should now see a black ribbon cable, which was connected at the left to the Nav board, and on the right, to a gold ribbon cable which goes to the screen.
- Unlock the gold ribbon cable connecting screen to logic board by lifting the locking tab at the back of the socket.
- For this you may wish to use a spudger or tweezers.

Step 12



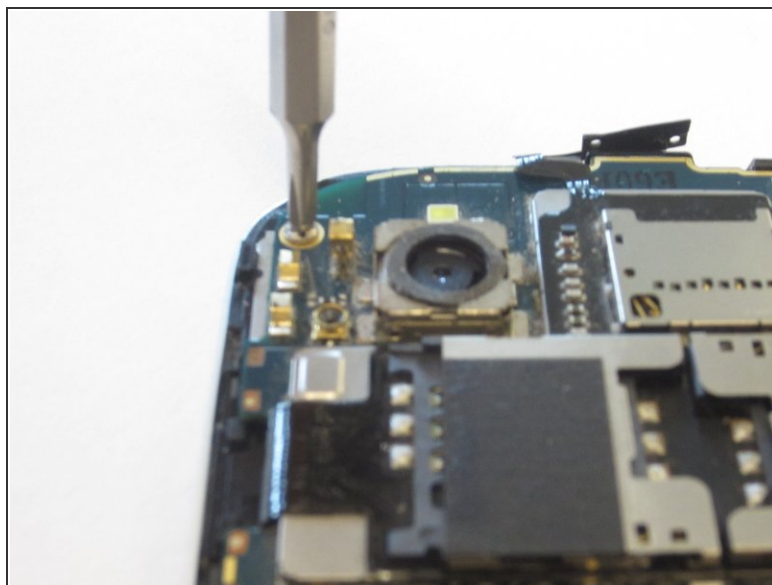
- Disconnect gold ribbon cable connecting screen to logic board by pulling cable out gently.

Step 13



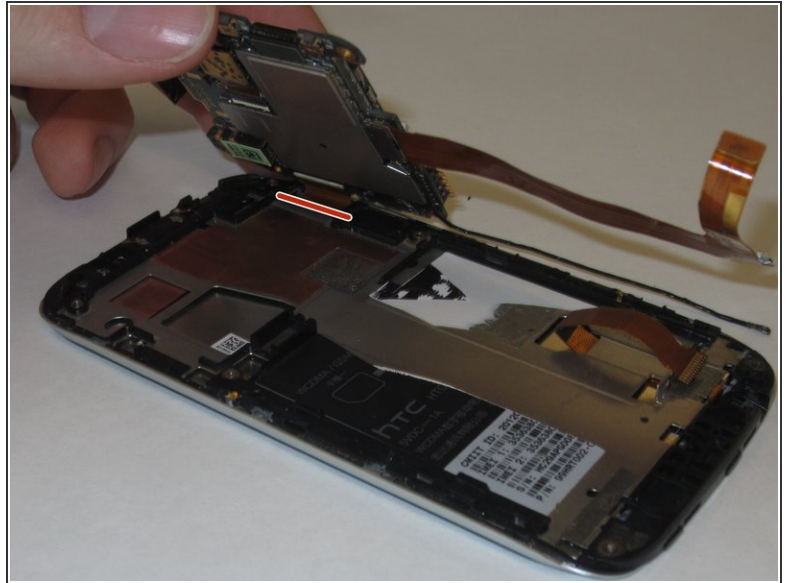
- Gently unstick black ribbon cable from the chassis.

Step 14



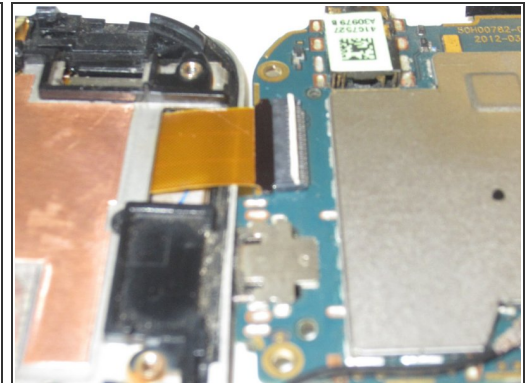
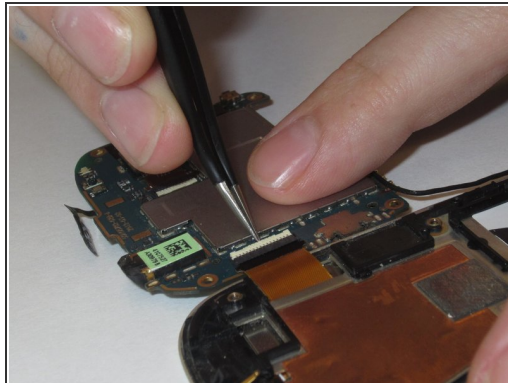
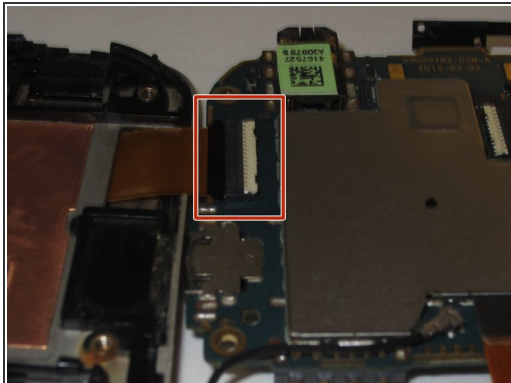
- Unscrew the 2mm silver screw from top left.
- Use a Phillips PH00 Screwdriver for this.

Step 15



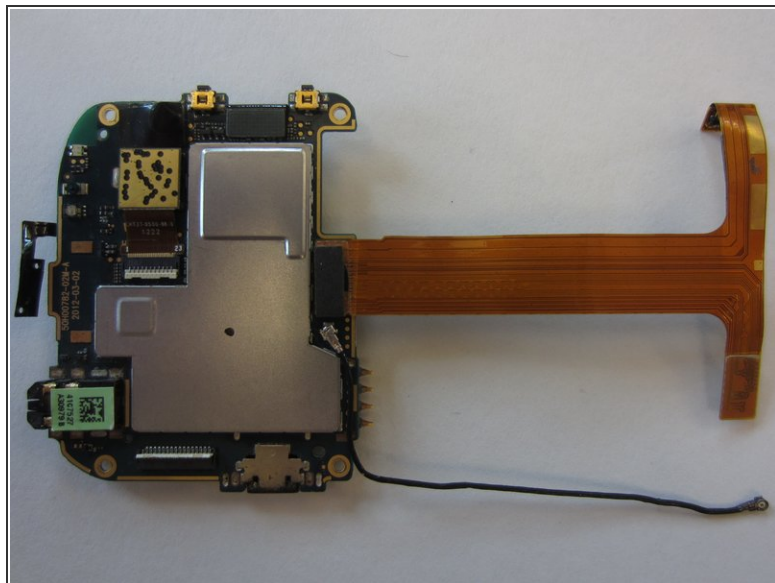
- Gently pry logic board from the casing by lifting the left side up, as if there was a hinge on the right, folding it over the right edge where you will see a gold/orange ribbon cable.

Step 16



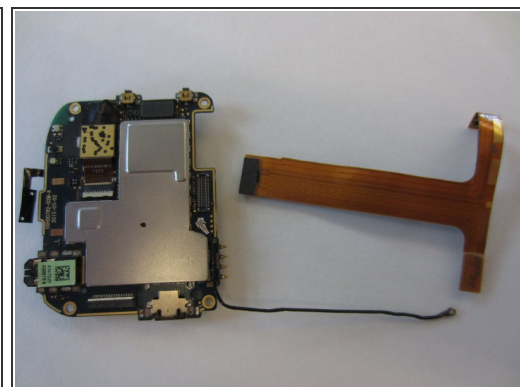
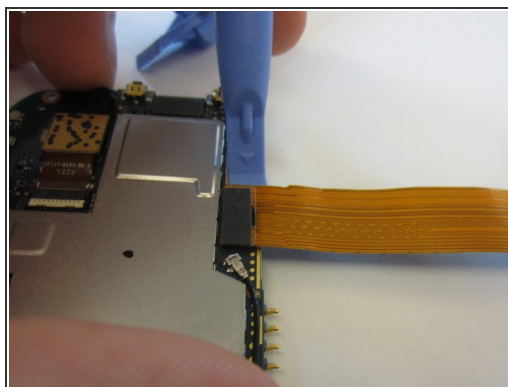
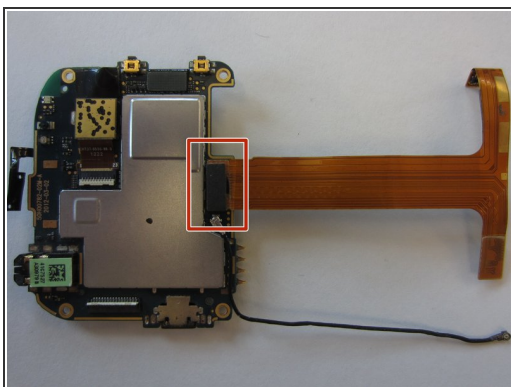
- Remove the gold ribbon cable by lifting tab at the back of the socket, using a spudger or tweezers.

Step 17



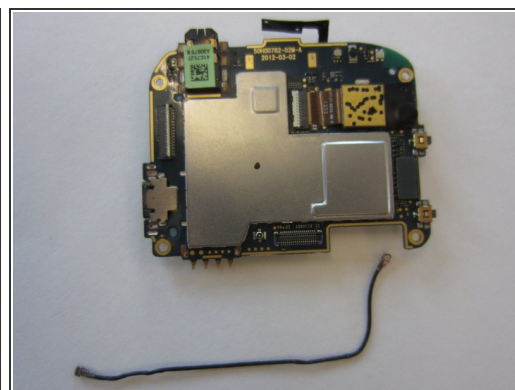
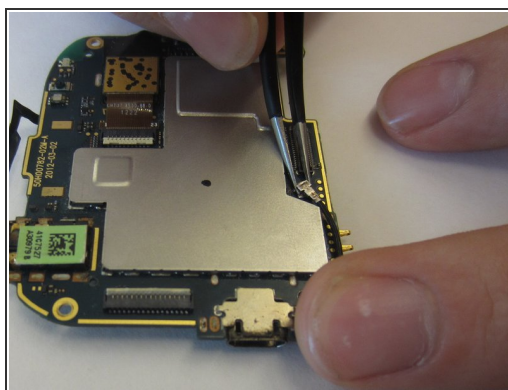
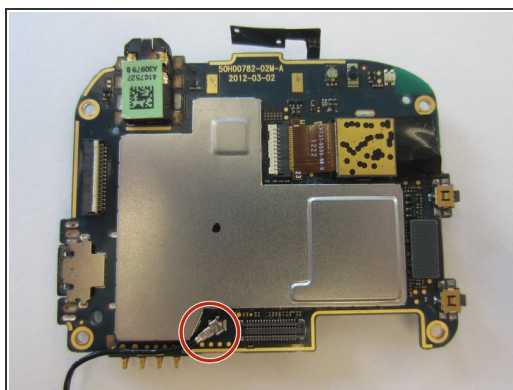
- Gently pull the logic board to the right and it will disconnect from the chassis.

Step 18 — Motherboard



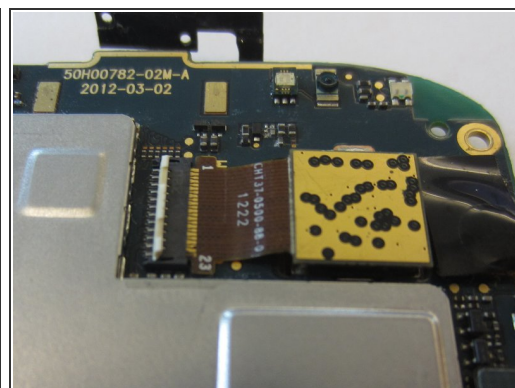
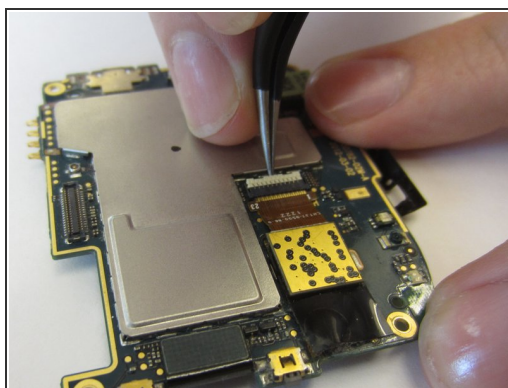
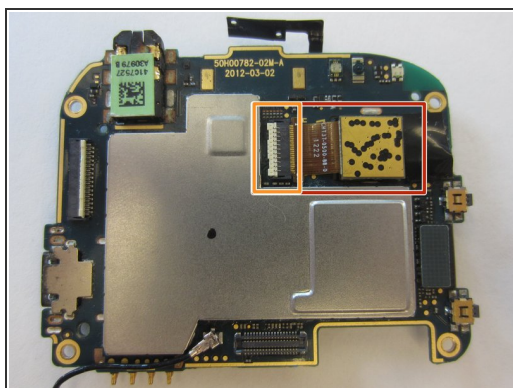
- Noting that the rear side of the black ribbon cable is gold, use a spudger or an opening tool to gently disconnect it from the motherboard by levering it up at the right side

Step 19



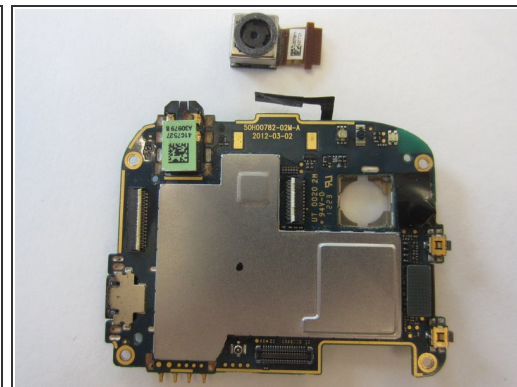
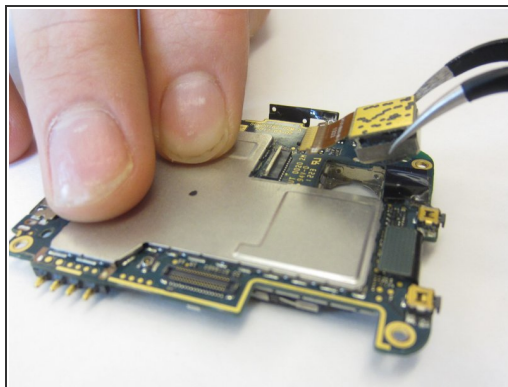
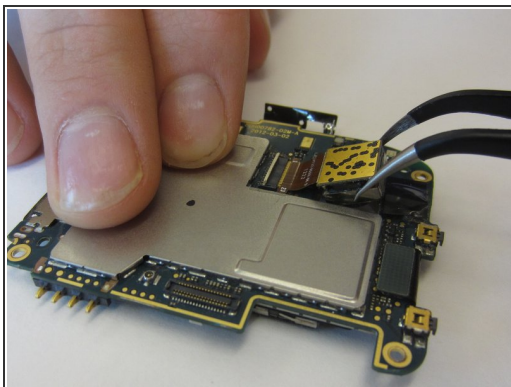
- Gently unplug and remove antenna cable (black antenna) from socket beside the ribbon cable
- If you lack usable nails, you will need tweezers

Step 20



- Locate the camera.
- Lift the locking tab at the back of the connector for the camera using tweezers or opening tools.

Step 21



- Preferably using tweezers, gently pull the camera assembly up from the motherboard, and away from the connector and the ribbon cable will slide out easily.

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