



# Xgody D300 Motherboard Replacement

Use this guide to replace the motherboard in your Xgody D300.

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## INTRODUCTION

For problems pertaining to glitching or a blue/black colored screen, please read this guide. This guide is for replacing the motherboard on the Xgody D300. Please follow the steps carefully. By the end, your phone should be working as it normally should.

## Step 1 — Motherboard



- Lay the phone on a flat surface so that the back is facing upwards.
- Next, use the pry tool to remove the case cover from the device.

## Step 2



- After removing the case cover, take out the battery by locating the indentation in the battery enclosure.
- Next, use a finger or pry tool to lift up on the battery and pull it away from the housing.

## Step 3



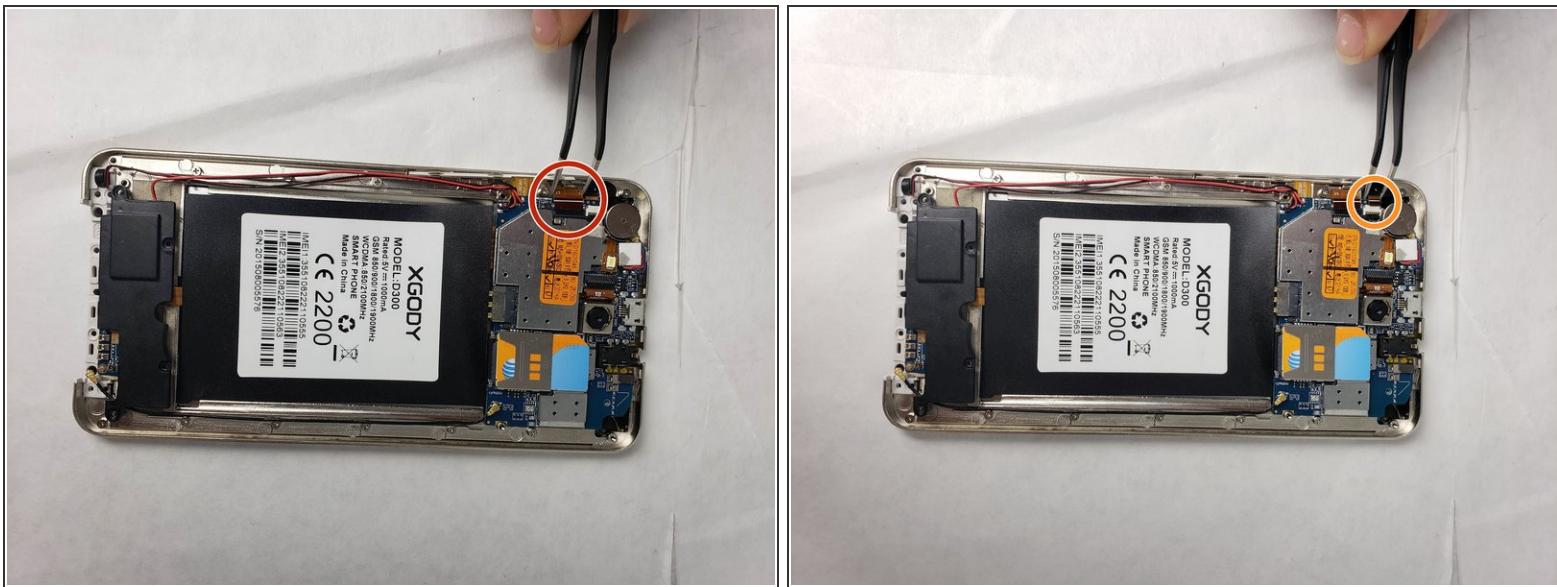
- Next the battery housing/protective cover will need to be removed. This will require a 00 Phillips head screwdriver.
- Using this screwdriver, remove the screws that hold the protective housing to the smartphone; there should be 14 screws with a length of 3 mm and one screw with a length of 6 mm.
- Three of the screws will not come loose from the protective housing and can be identified by a metal plate that is underneath them. In total there are 18 screws.
- After loosening and removing all the screws lift the housing along the edges using the pry tool and tweezers, there will be a sticky pad that holds the housing to the smartphone don't be afraid to give it a firm tug until the housing breaks free of the sticky pad.

## Step 4



- The internal components of the smartphone should now be exposed. To start removing the motherboard, remove the screws holding the motherboard and vibrator to the smartphone case.
- There will be three screws holding the motherboard to the smartphone case, two in the corners and one on the top right-hand side of the motherboard.
- The vibrator will have four screws holding it to the phone case. Two on the top and two on the bottom.

## Step 5



- Next, locate the connections for the screen and other devices attached to the smartphone case. There will be two of these connections both on the right side of the motherboard.
- One will be black the other a gold orange.
- The other will be a gold orange.
- Disconnect these connections by grabbing them with tweezers and giving them a firm tug till they come loose.

## Step 6



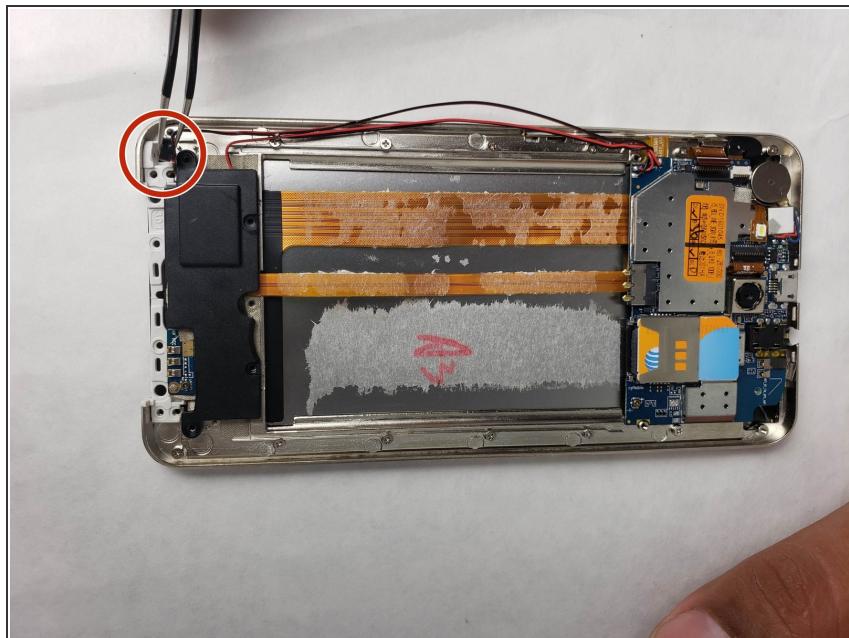
- Next, the hard drive will need to be disconnected from the motherboard. To do this, desolder the connections for the hard drive.
- The connections for the hard drive are located at the top of the motherboard on the right side of the forward-facing camera.
- For soldering help, refer to this link, [Soldering Skills](#)

## Step 7



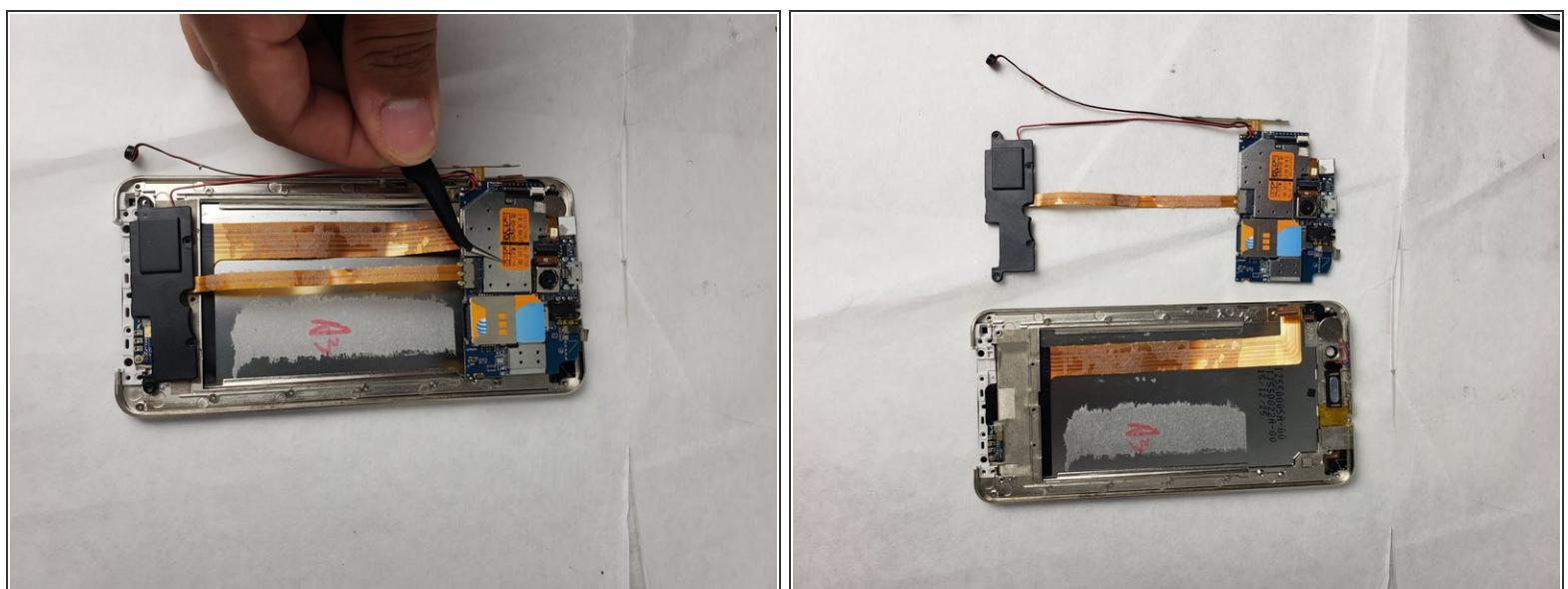
- After disconnecting the wires from the motherboard, remove the protective sticker holding the wiring to the smartphone.
- This sticker will be black with another white sticker on it that lists the specifications of the phone.
- Using tweezers grasp a corner of the sticker and pull till the sticker has come off of the smartphone.

## Step 8



- Once the sticker is removed and the wires are free to move, remove the speaker from its housing.
- The speaker is located on the bottom left side of the smartphone and is connected to the motherboard by a red and black wire.
- To remove the speaker from its housing, use a pair of tweezers to grasp the speaker and pull firmly till it is free of the housing.

## Step 9



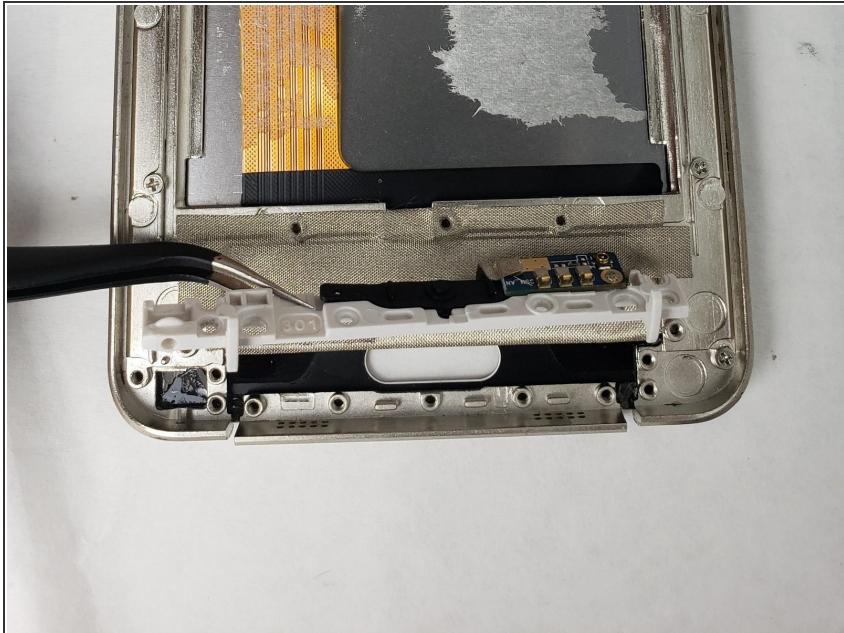
- The motherboard should now be free of the smartphone, to finish removing the motherboard, grab the board with fingers or tweezers and remove it from the phone and place it to the side.
- Insert your new Motherboard.

## Step 10



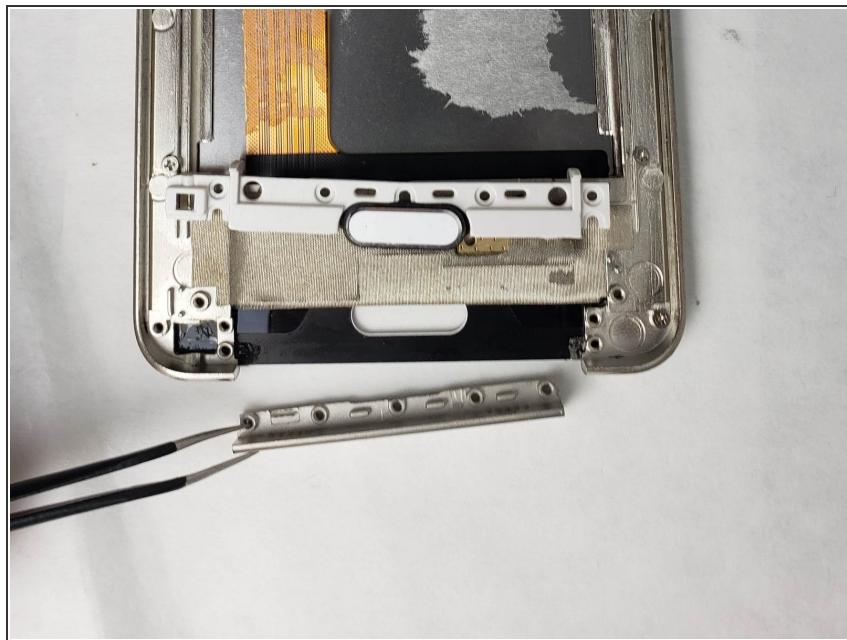
- After removing the motherboard, locate the three screws attaching the speaker grill to the bottom of the device. Remove these screws using a 00 Philips head screwdriver.

## Step 11



- Once the screws holding the speaker grill to the smartphone case have been removed, use tweezers to lift the speaker grill.
- The speaker grill will stay attached to the device but needs to be moved out of the way to remove the case retainer.
- Fold the speaker grill over onto the section where the vibrator had previously been laying.

## Step 12



- Now that the case retainer can be removed. Remove the retainer by grabbing it with fingers or tweezers and give it a firm tug till it has come free of the device.
- This will expose the screen cover.

## Step 13



- Next, remove the screen cover by following the now exposed edge with your finger or a pry tool to break the screen cover free of the sticky tac holding it to the screen.

- The screen cover will be free of the screen once it has been pried from all the sticky tac.

 Take caution when removing the screen cover because it is a fragile part and too much pressure may shatter the screen cover.

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