Xiaomi Mi A2 Front Camera Replacement

This guide will show how to remove and replace the front facing camera on the Xiaomi Mi A2.

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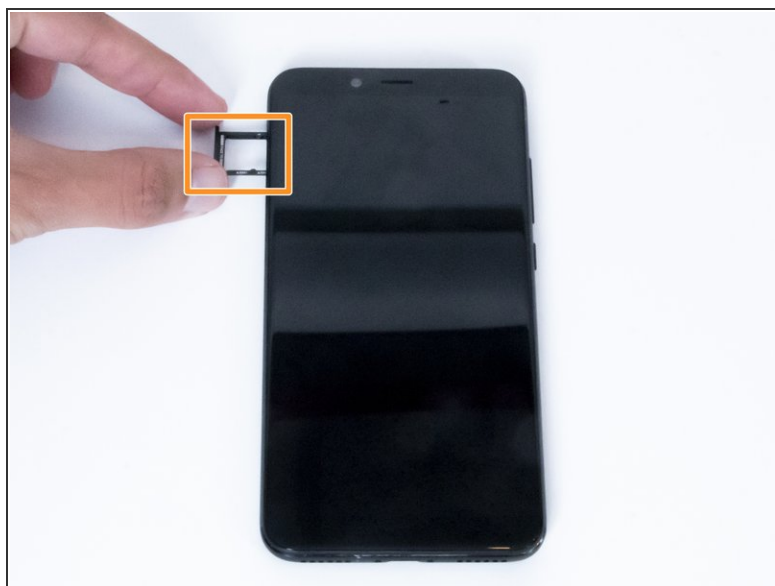This document was generated on 2020-11-28 08:01:30 AM (MST).

INTRODUCTION

This guide will show how to remove and replace the front facing camera on the Xiaomi Mi A2 Smartphone. Make sure during this replacement that you are being very precise while following each step exactly because if you miss a step, it will be hard for you to catch back up with your progress.

🔧 TOOLS:

- Suction Handle (1)
- Spudger (1)
- 1 x Opening Picks (1)
- iFixit Opening Tools (1)
- Phillips #0 Screwdriver (1)
- P2 Pentalobe Screwdriver iPhone (1)
- SIM Card Eject Tool (1)

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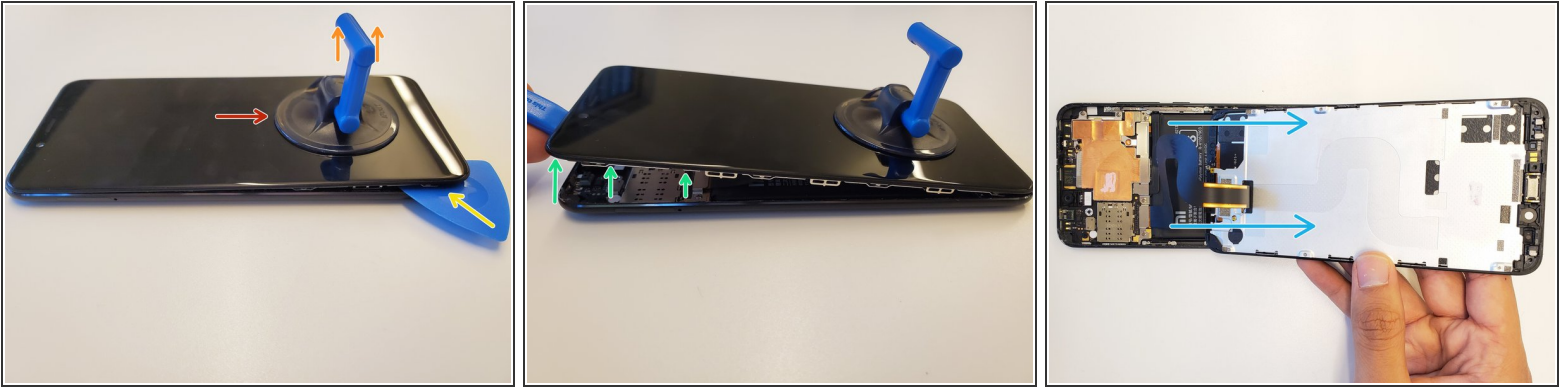
Step 1 — Screen

- Turn off your phone before proceeding.

- Remove SIM card tray from phone.

- Touch something metallic to ensure you are electrostatic safe.
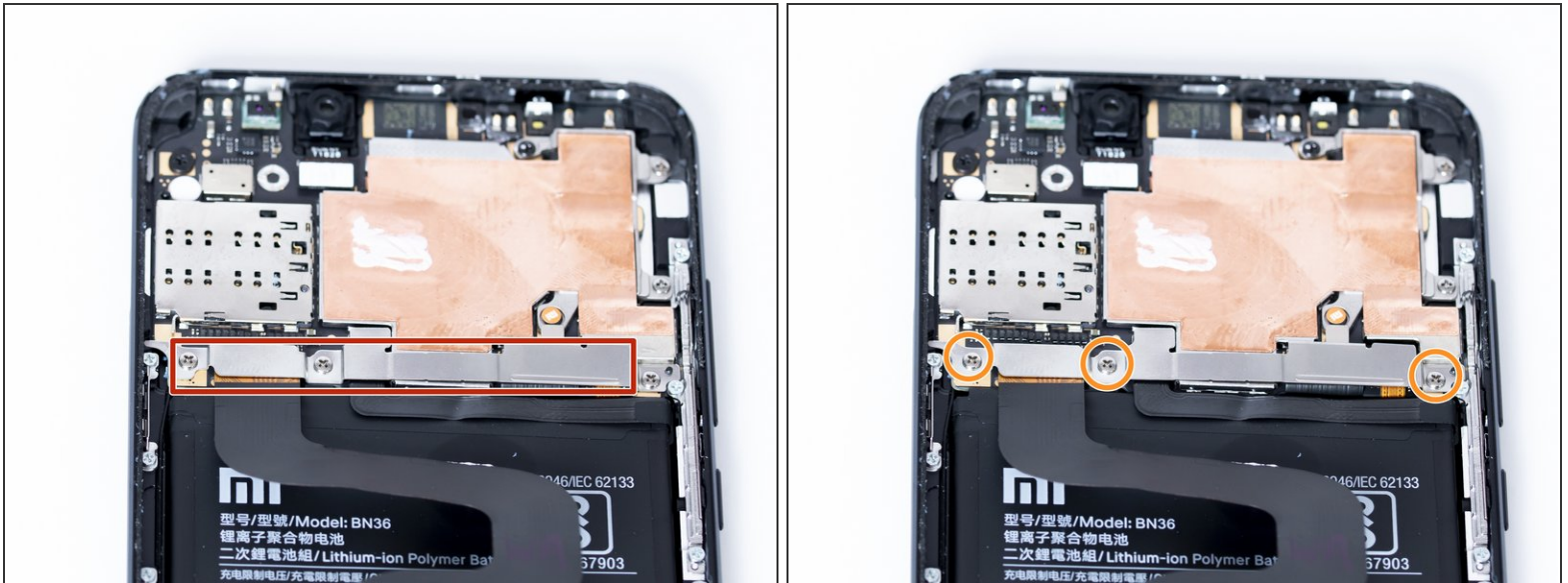
Step 2

- Remove the two 2.7mm Pentalobe #2 screws from the bottom of the phone.

Step 3

- Grab a suction cup tool and place it near the bottom of the phone.

- Pull up on the suction cup to slightly lift the LCD Panel from the body of the phone.

- Starting from the bottom, slide in a plastic opening tool between the gap of the LCD and the phone.

- Using a combination of the plastic opening tool and picks, slide around the gaps to unhook the clips, unhinging the panel from the body of the phone.

- Flip the phone screen towards the bottom of the device and lay the screen facing down.

- (i) Note: The ribbon cable is in the middle of the panel, thus there is no need to be cautious about snagging a ribbon cable

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Page 4 of 10

Step 4

⚠️ When removing the ribbon cable and installing the new one take special care to not bend or fold the cable too much as this can cause damage to the cable itself.
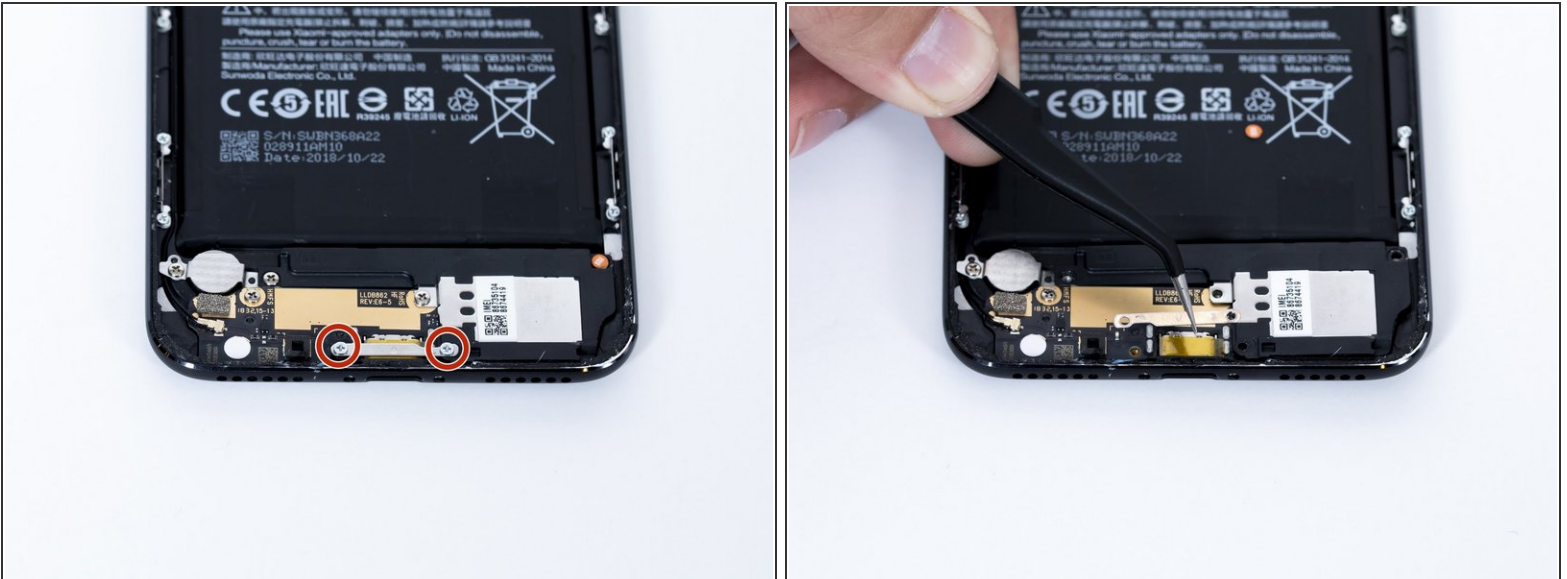
● To access the ribbon cable connectors we must remove the metal bracket.

● Remove the three 2.4mm Philips #0 screws that hold the panel down.

Step 5

- Using a plastic spudger remove the battery connector ribbon cable by getting underneath the connector and gently lifting it off.

- Using a plastic sudger remove the screen connector ribbon cable by lifting from the underneath.

- After you remove the ribbon cable the panel should be free to remove and replace.

Step 6 — USB Port

- Remove the two 3.8mm Phillips #0 screws holding down the lower metal bracket.

Step 7

- Remove the loud speaker. There are three 2.4mm Phillips #0 screws you need to remove, and one (upper right) is underneath the Xiaomi water sticker.

Step 8

- Unplug the antenna wire with a spudger tool.

- Remove another 2.4mm Phillips #0 screw near vibration motor.

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Step 9

ⓘ The ribbon cable connector is located underneath the sub-board. To access the connector flip the board over towards the battery.

● Use a spudger tool to remove the cable from the connector.

ⓘ The USB Connector board can now be removed from the device and replaced.
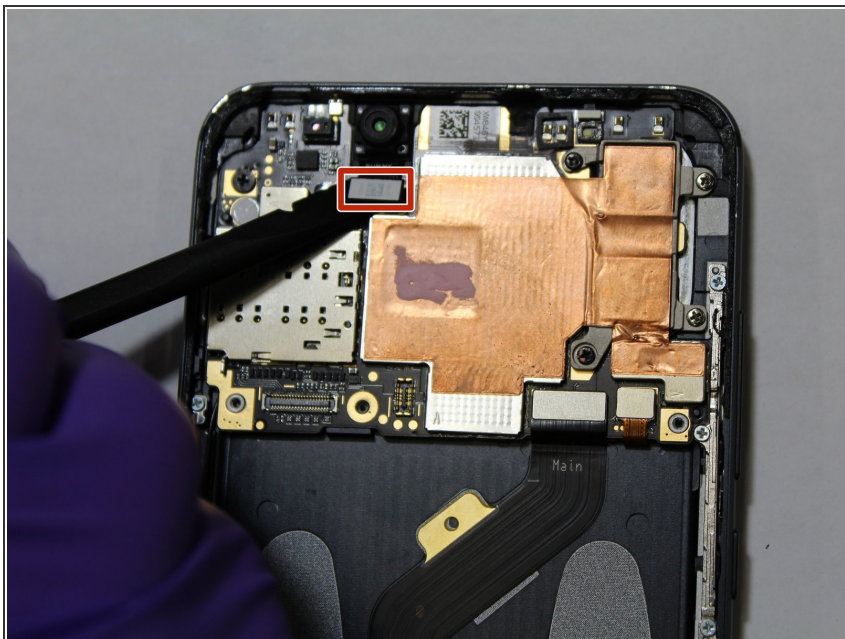
Step 10 — Battery

- On the bottom of the battery are two pull tabs. They are glued on to the battery similarly like a sticker.

- To remove the battery pull these pull tabs downwards. WARNING: proceed with extreme caution, avoid bending or puncturing the battery.

- You can use tweezers to lift the pull tabs from the battery. Pull downwards and the adhesive will slowly be removed from the battery.
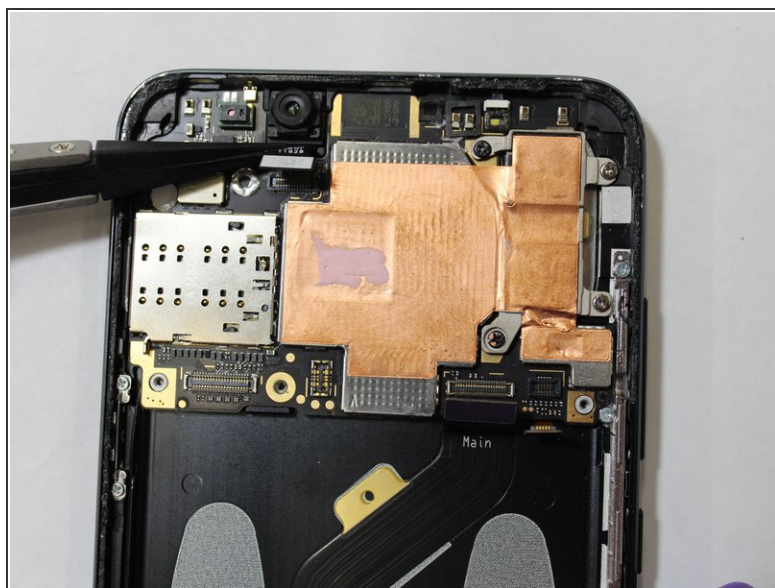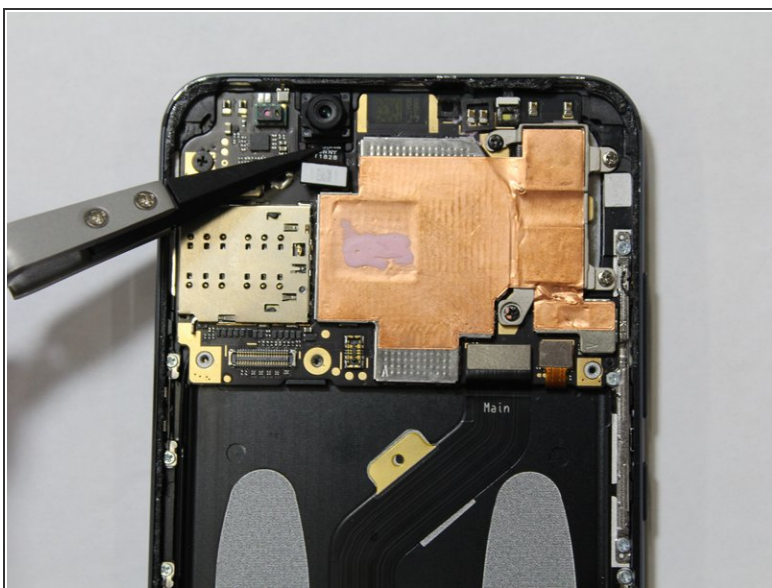
Step 11

- Gently remove battery from its housing.

- (i) Component can now be replaced.

Step 12 — Front Camera

- Using a plastic spudger, gently separate the front camera ribbon cable from the motherboard.

Step 13

- Gently use the plastic tip tweezers to remove the front camera from the back housing of the phone.

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

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