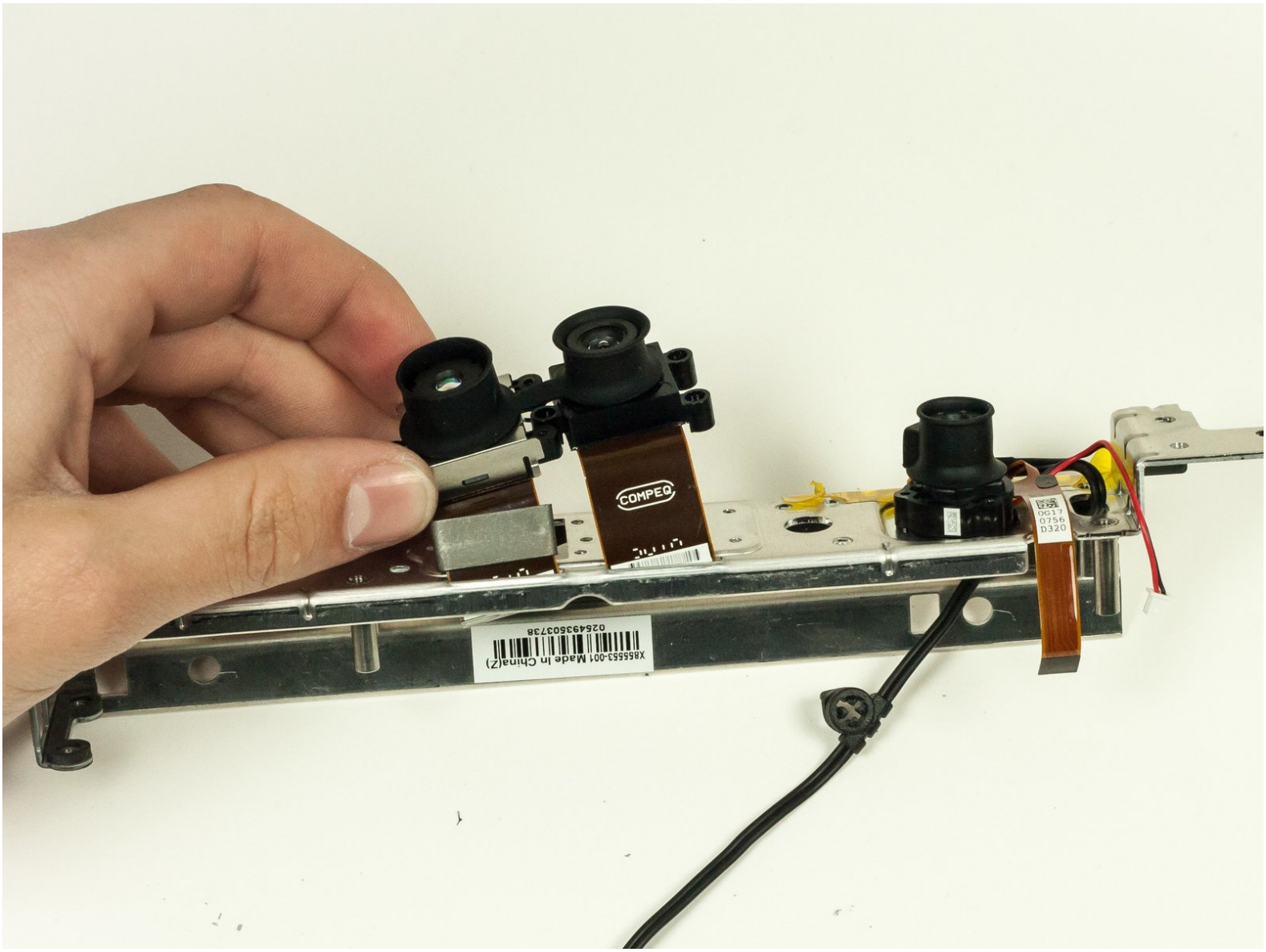
Microsoft Kinect Camera Replacement

Replacement for the Microsoft Xbox 360 Kinect cameras.

Written By: Sumi Kime



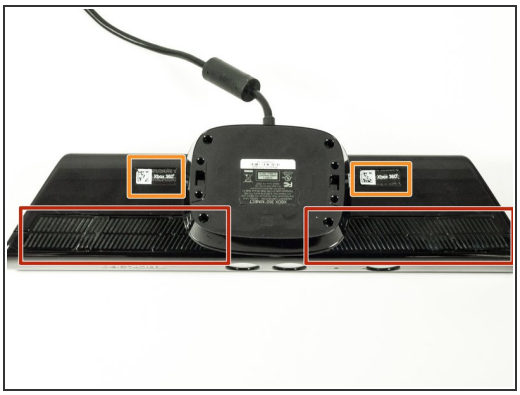
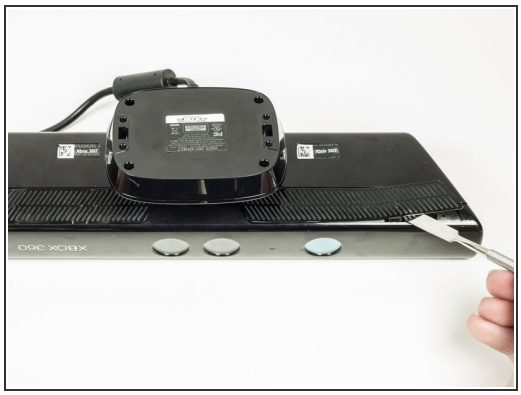
INTRODUCTION

The camera component of the Kinect has three different lenses used for various functions. If you tried cleaning the lens and it didn't fix your problem you should use this guide.

TOOLS:

- Metal Spudger (1)
- T10 Torx Screwdriver (1)

Step 1 — Case

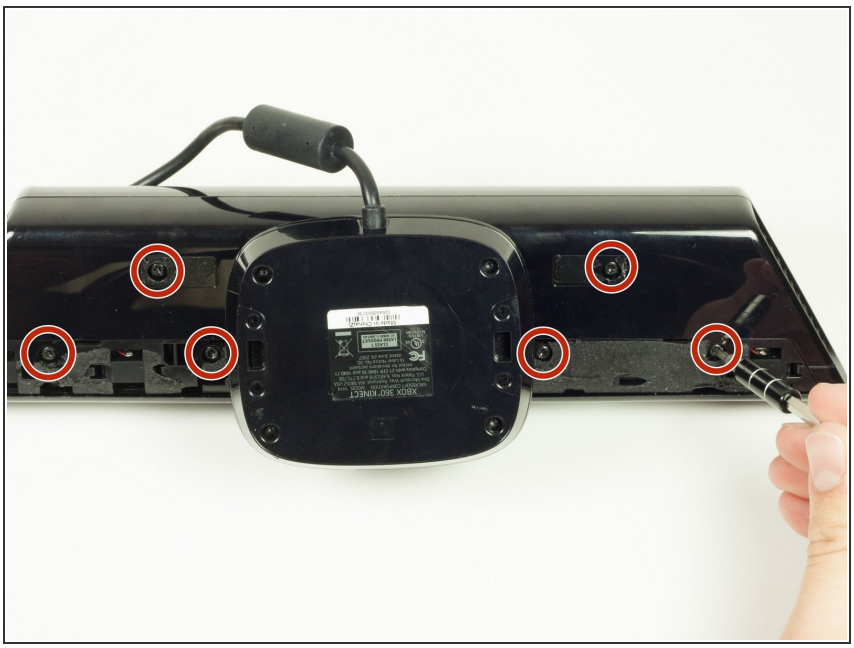




- Remove the two plastic strips off the bottom of the main Kinect housing using the metal spudger's sharper side.
- Peel off the two Xbox 360 stickers from the bottom of the case to reveal two hidden screws.

Some force may be required to remove the adhesive. Applying heat to the adhesive may make it easier to remove.

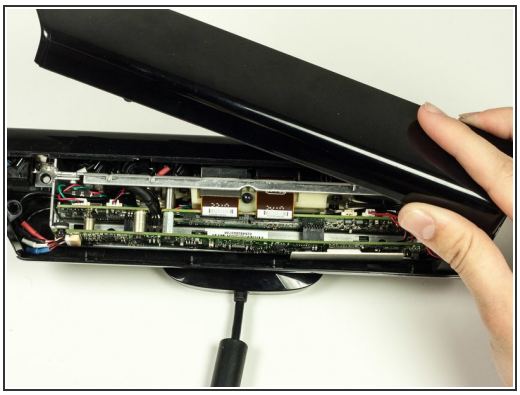
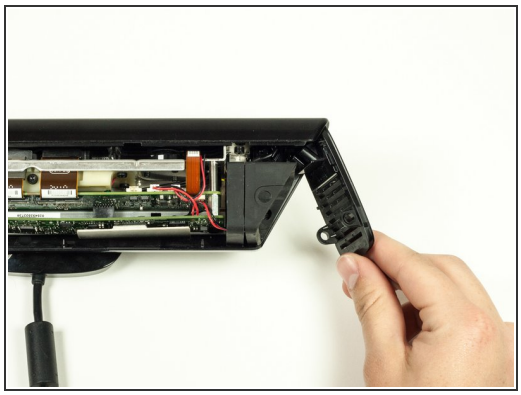
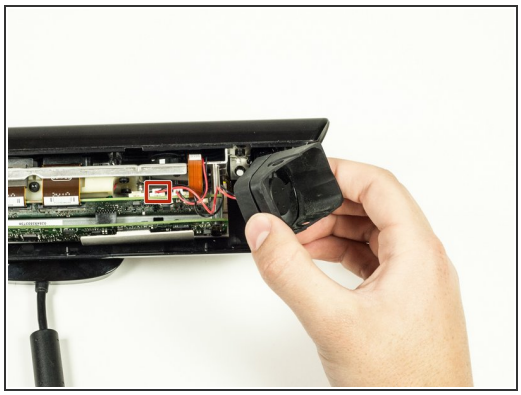
Do not overheat as it may cause damage to the internal components.

Step 2



- Unscrew the six 12mm T10 Torx screws.

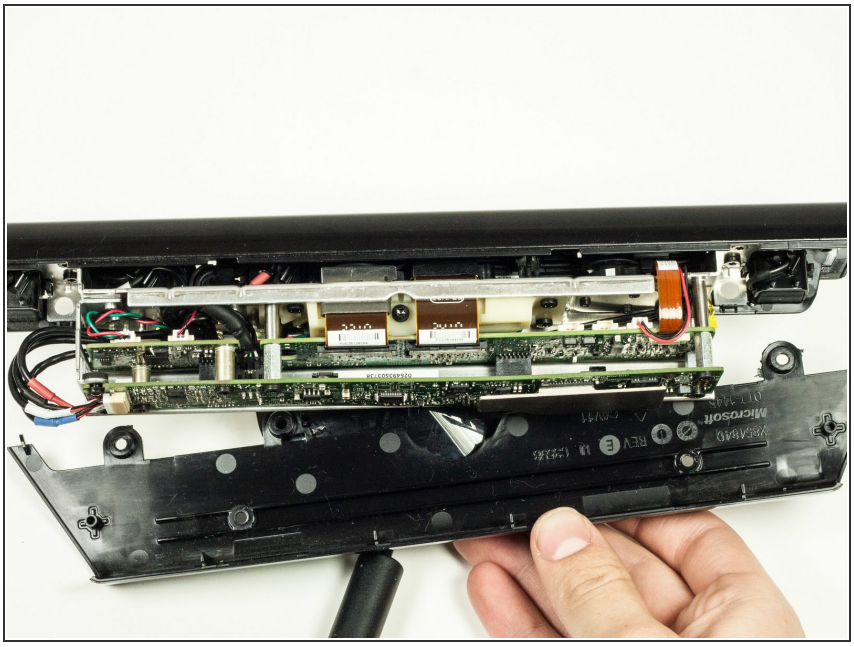
Step 3

- Remove the top portion of the case from the rest of the body.
- Detach the side portions of the case from the body.
- Remove the fan piece from the side of the body. Unplug it from the logic board to fully remove it.

⚠ When unplugging the fan, be sure to pull from the white connector at the end of the wire to avoid breaking it.

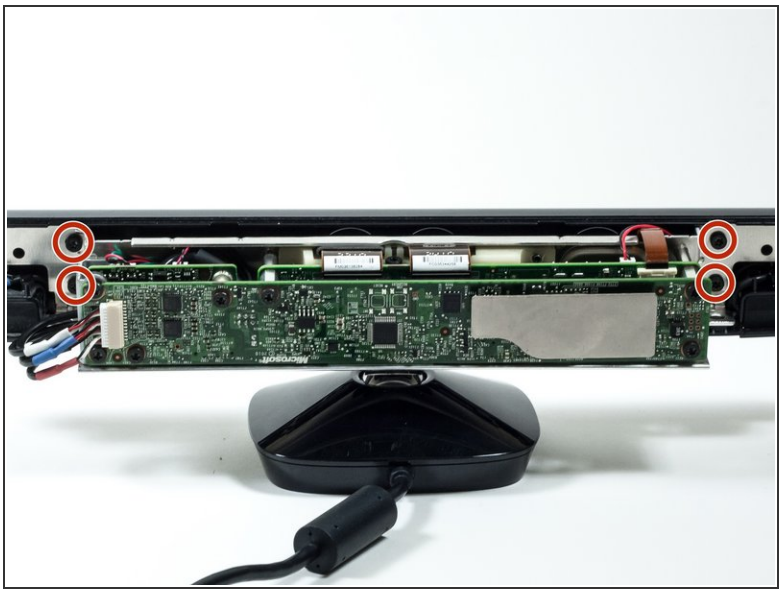
Step 4

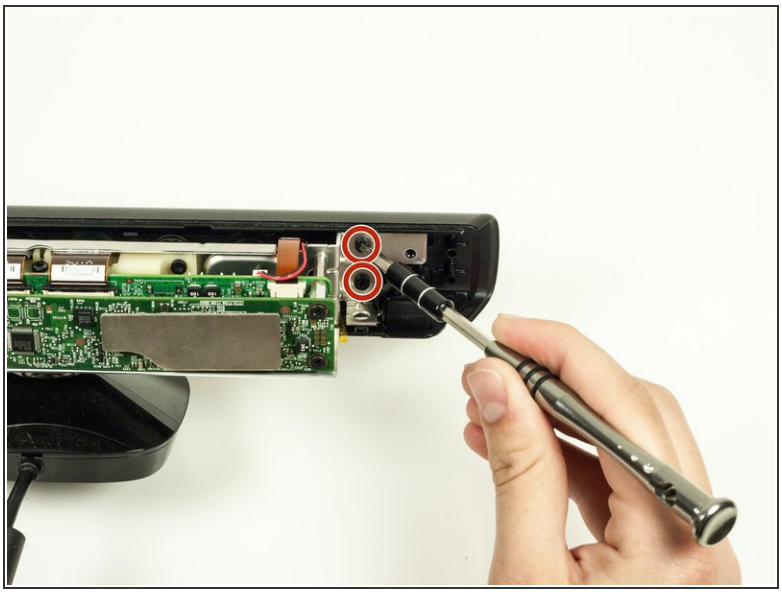


- Remove the bottom portion of the case by sliding it out from under the body.

ⓘ The bottom of the case may be difficult to remove if there is any residual adhesive. If the residual adhesive prevents you from removing the case, apply gentle heat and wiggle the case out.

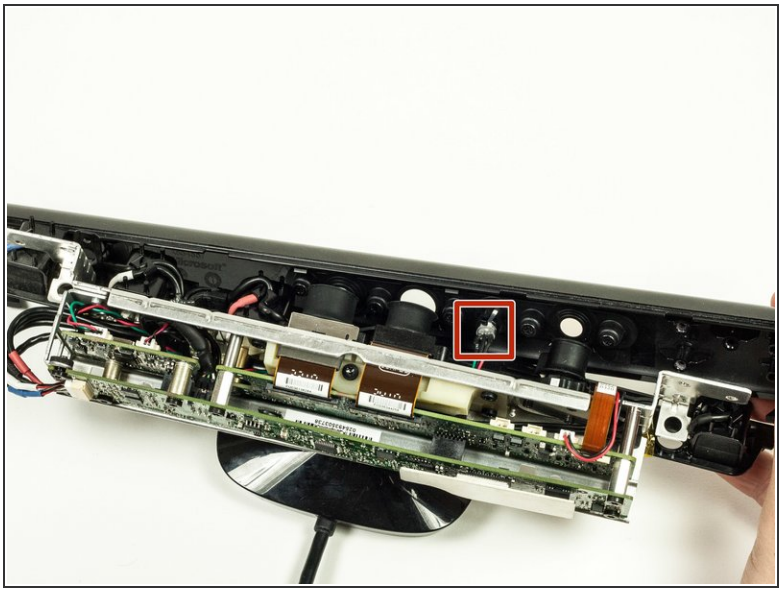
Step 5

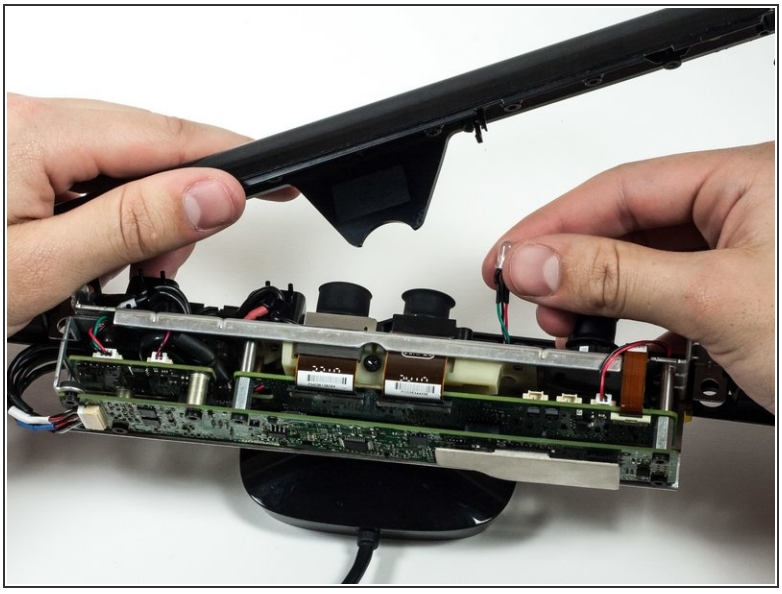




- Remove the four 7mm T10 Torx screws (two on each side of the metal body).

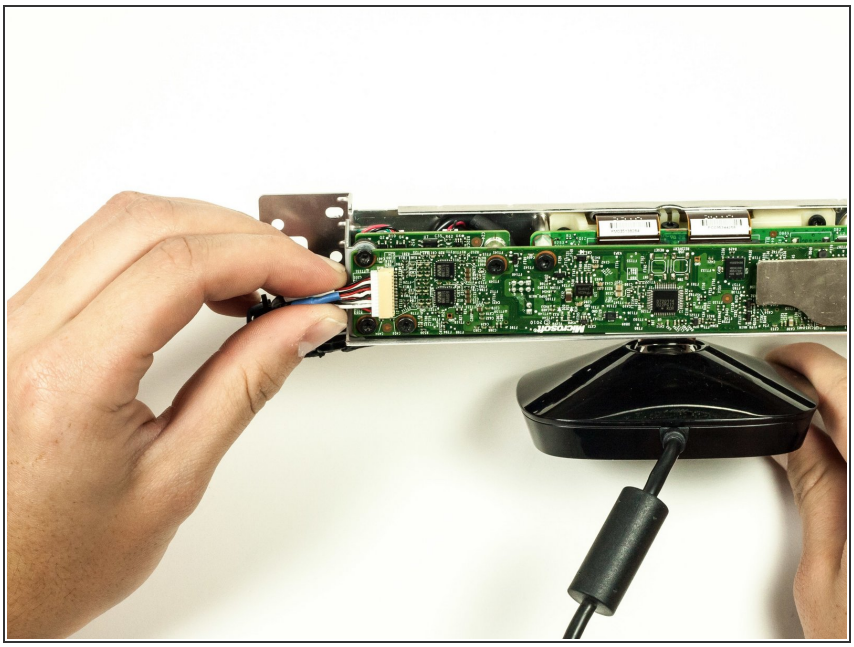
Step 6





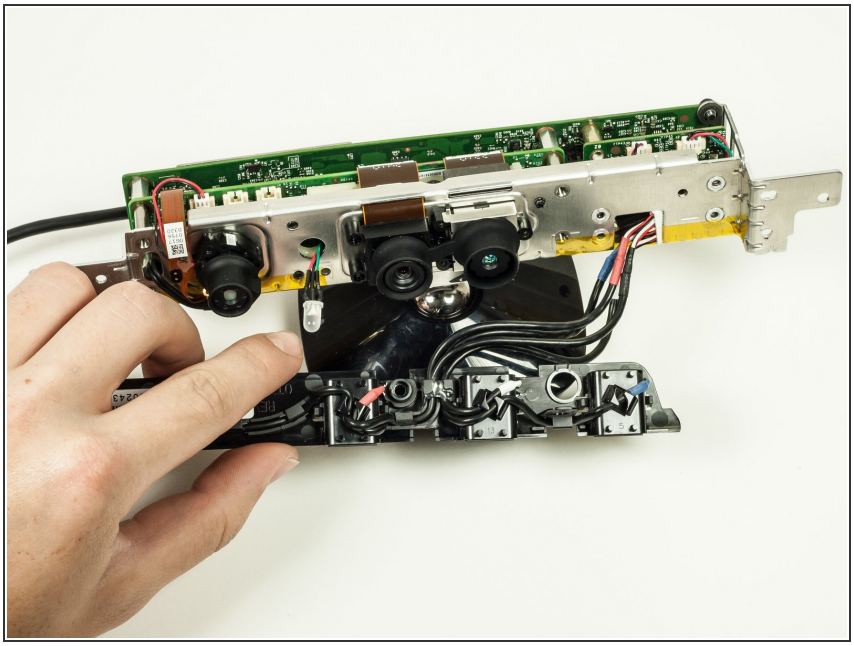
- Remove the front portion of the case containing the lens coverings for the cameras.
- The LED component is connected to the front portion of the case. To disconnect it, just pull it out of its plastic connector.

Step 7 — Microphone Panel



- Unplug the microphone from motherboard.

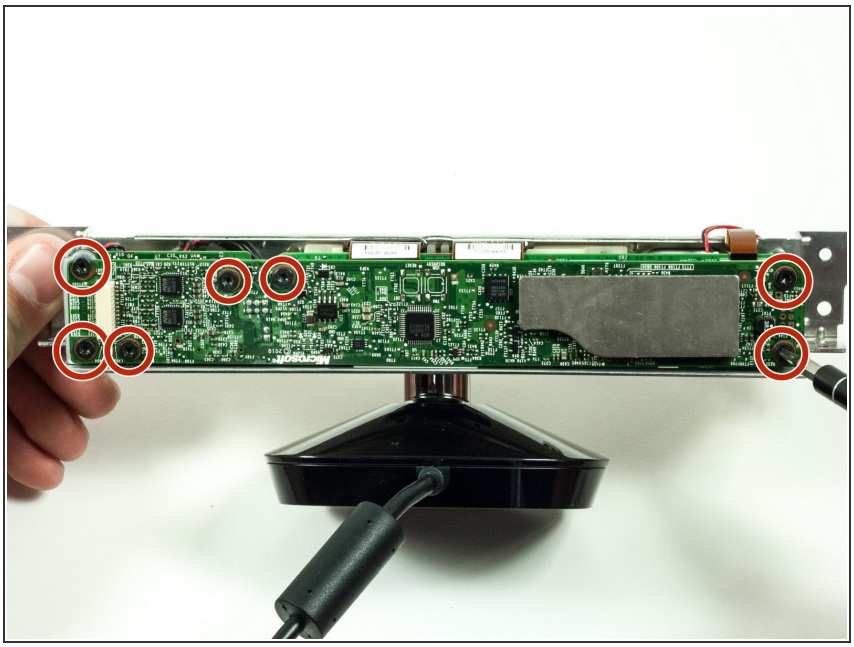
Step 8



- Pull off the microphone panel and snake the cable that was connected to the motherboard through the hole on the camera panel.

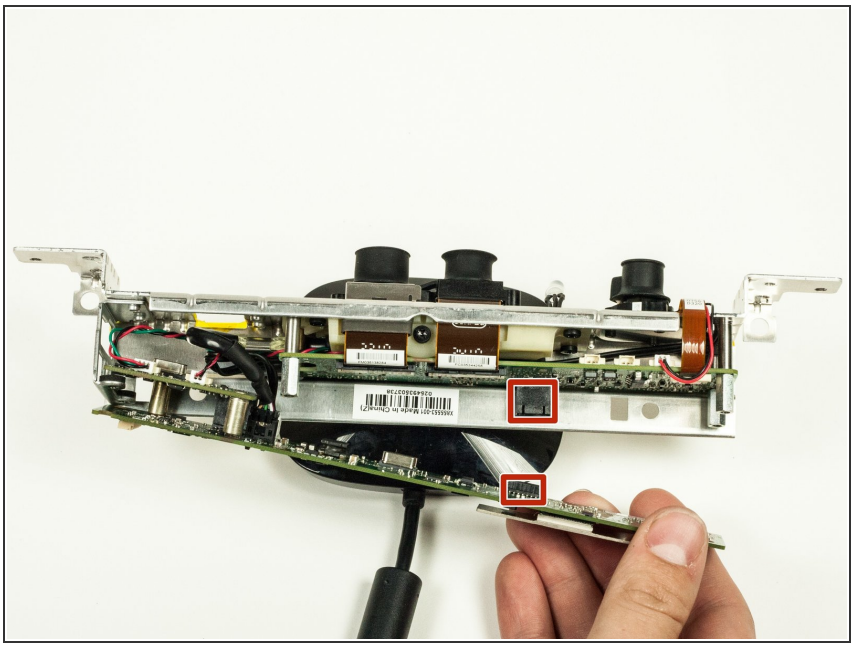
⚠ Pull the cable out carefully to avoid damage.

Step 9 — Motherboard



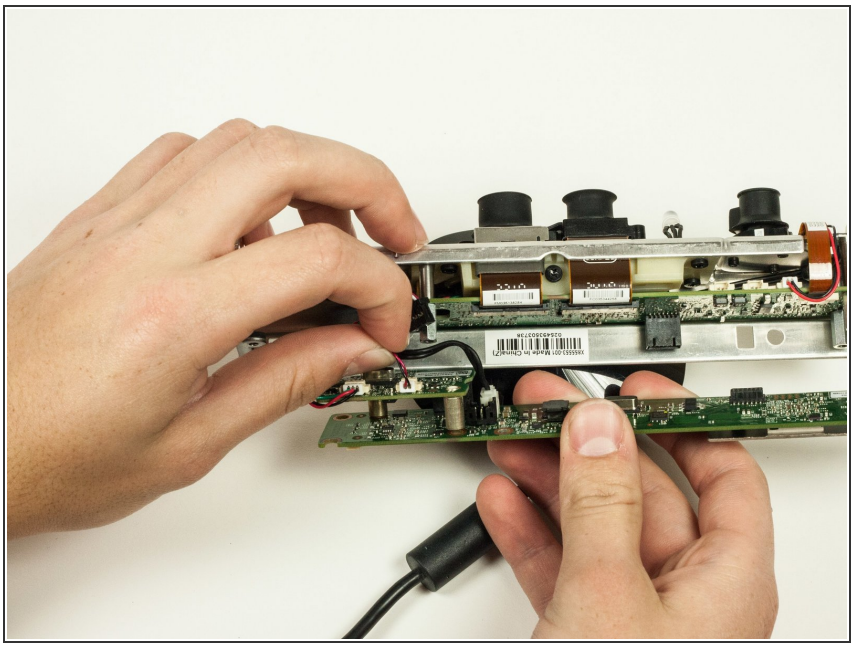
- Unscrew the seven 6.5mm T10 Torx screws.

Step 10



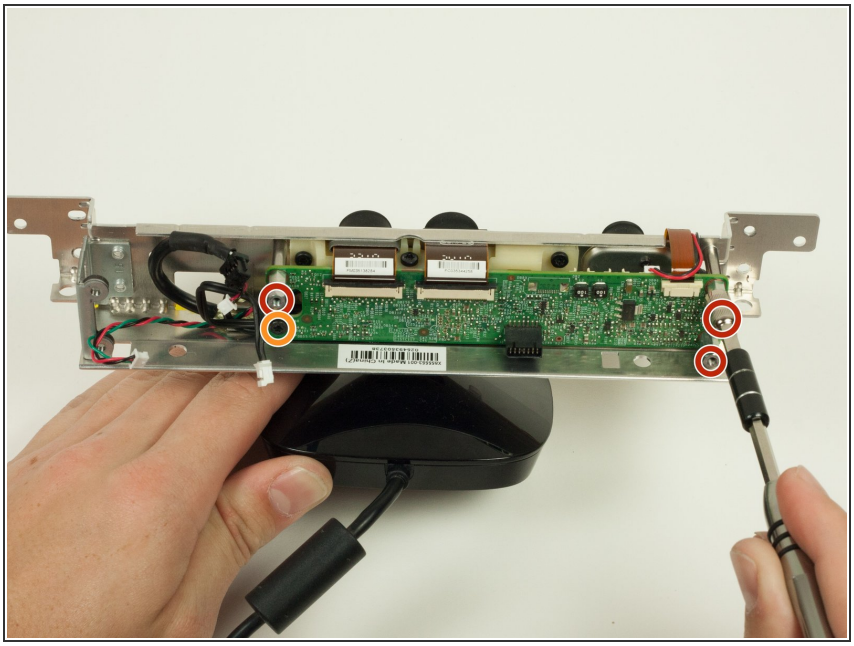
- Disconnect the bridge connecting the first and second layer of the motherboard.
- Pull the first layer of the motherboard off.

Step 11



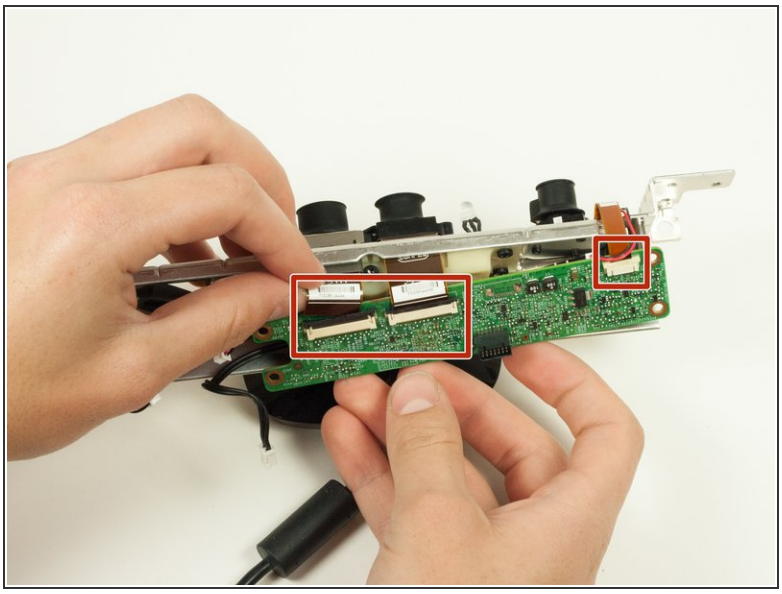
- Unplug the LED cable from the motherboard.

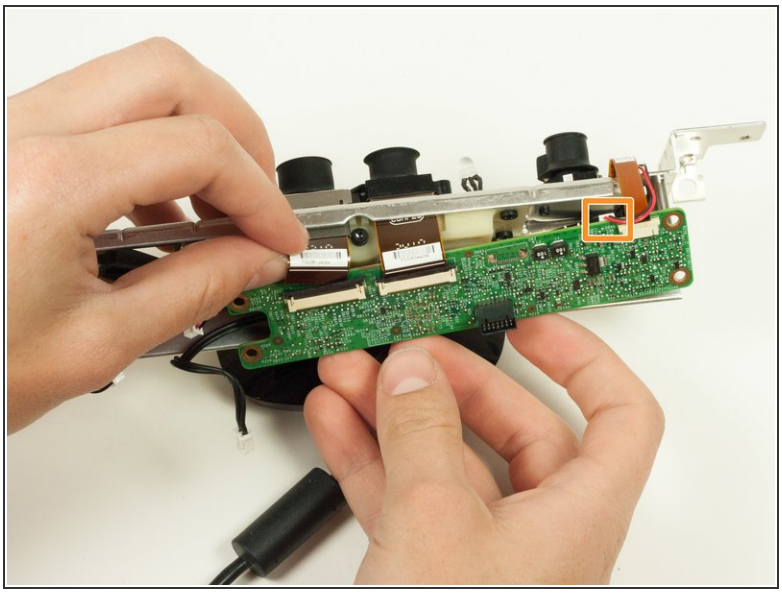
Step 12



- Unscrew the three 16.5mm screws using the 5mm Nut Driver.
- Unscrew the one 6.5mm T10 Torx screw.

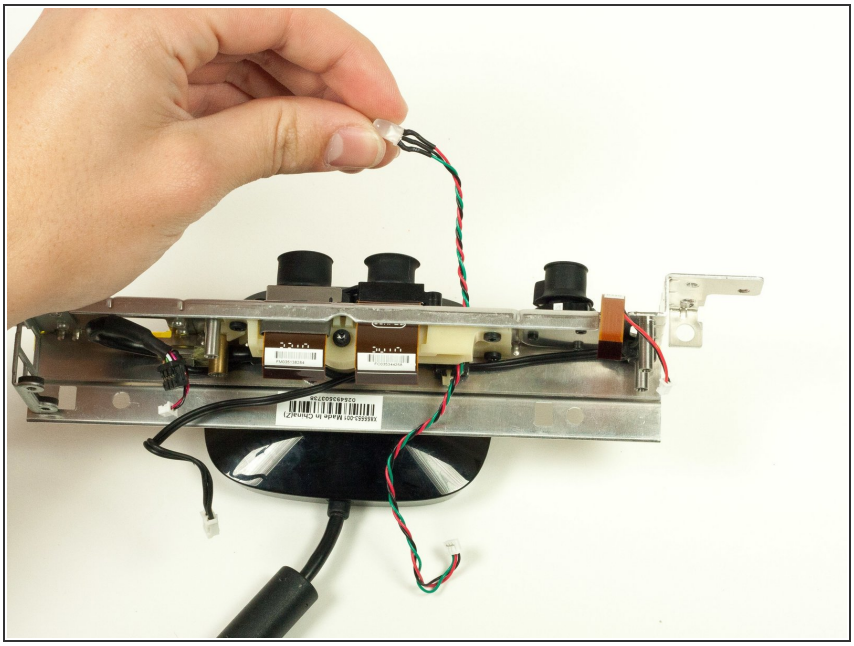
Step 13





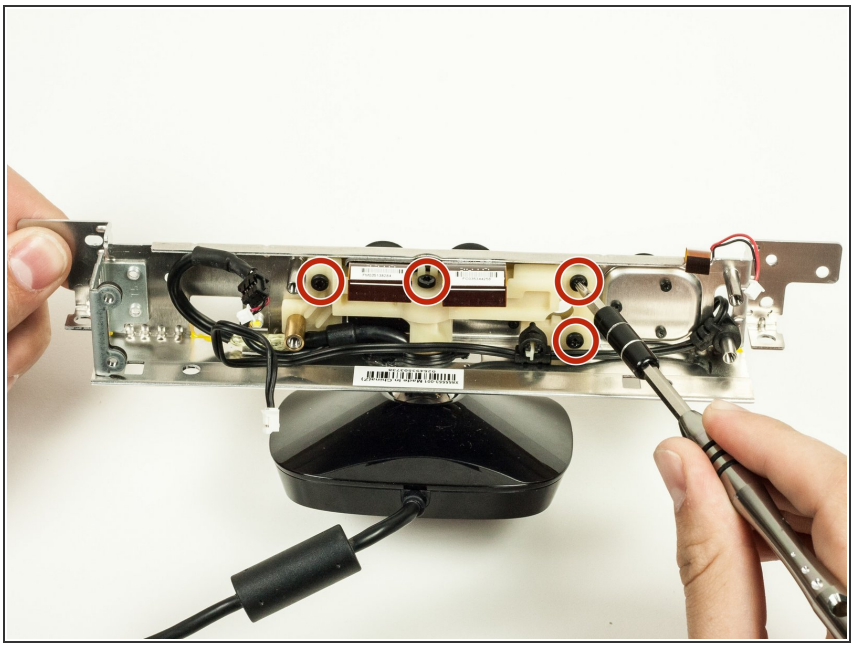
- Remove the three ribbon cables.
- Disconnect the left most camera from the motherboard.

Step 14 — LED



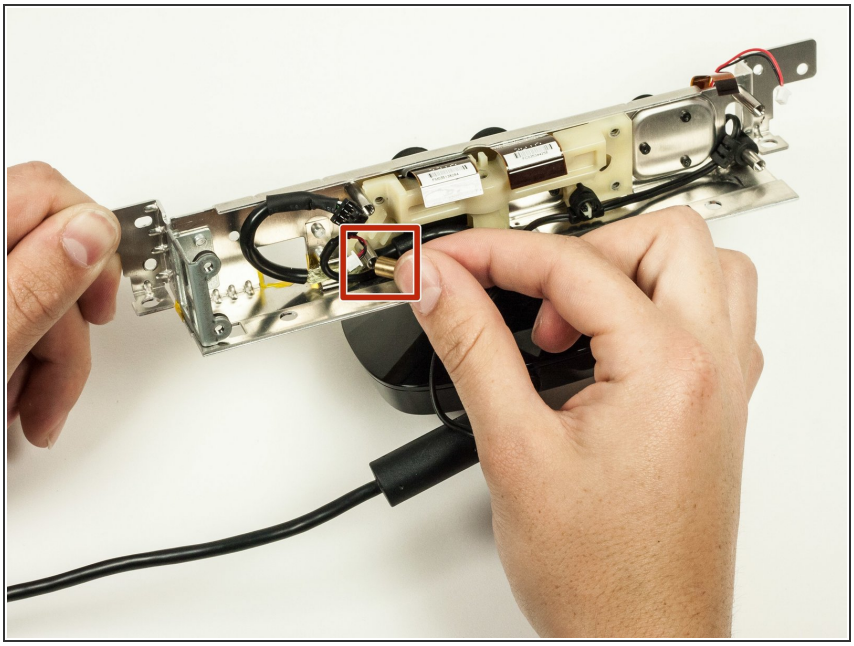
- Gently pull the LED out of the front of the metal casing. It should slide out easily.

Step 15 — Camera



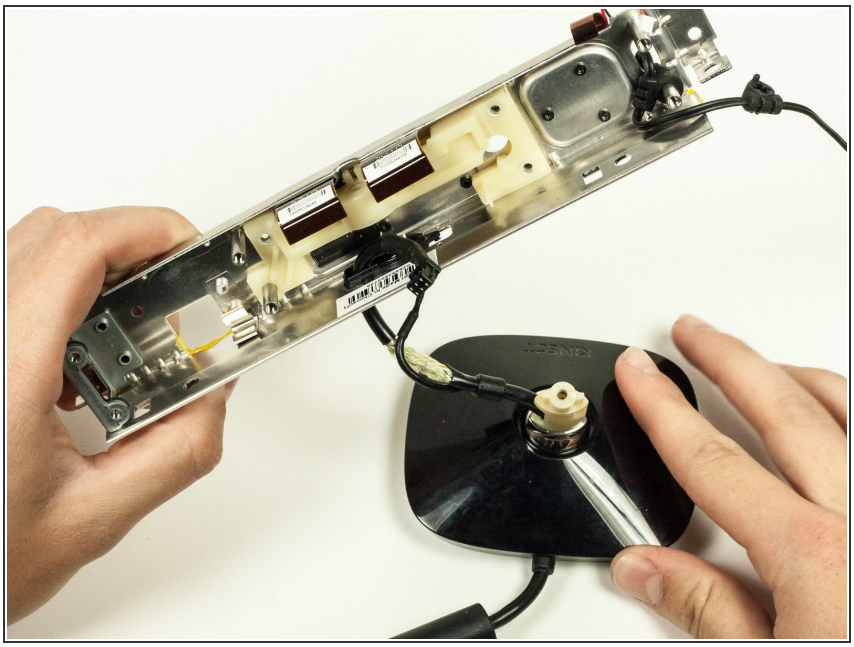
- Unscrew the four 7mm T10 Torx screws from the plastic body.

Step 16



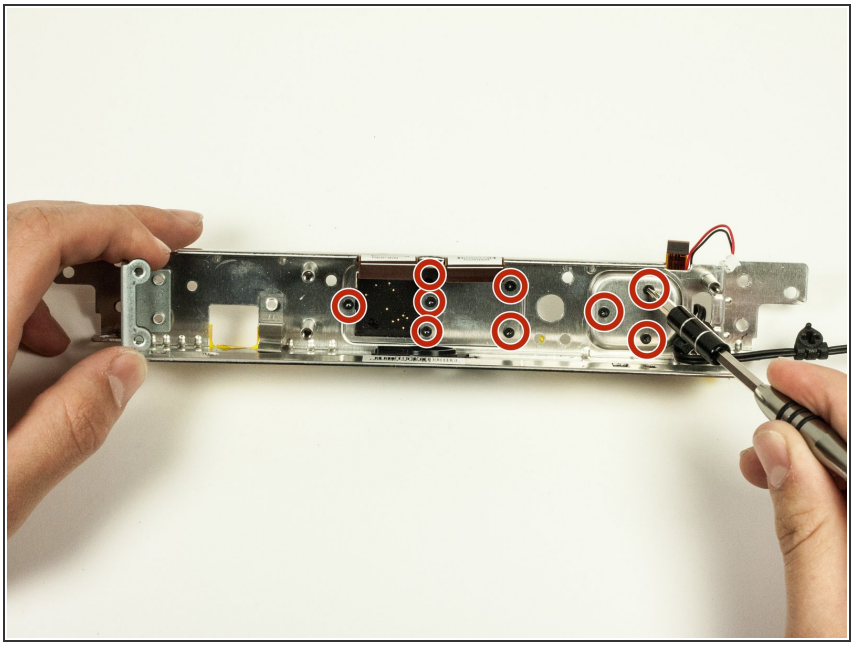
- Remove the gold metal cylindrical piece from the metal body on the left side of the Kinect.

Step 17



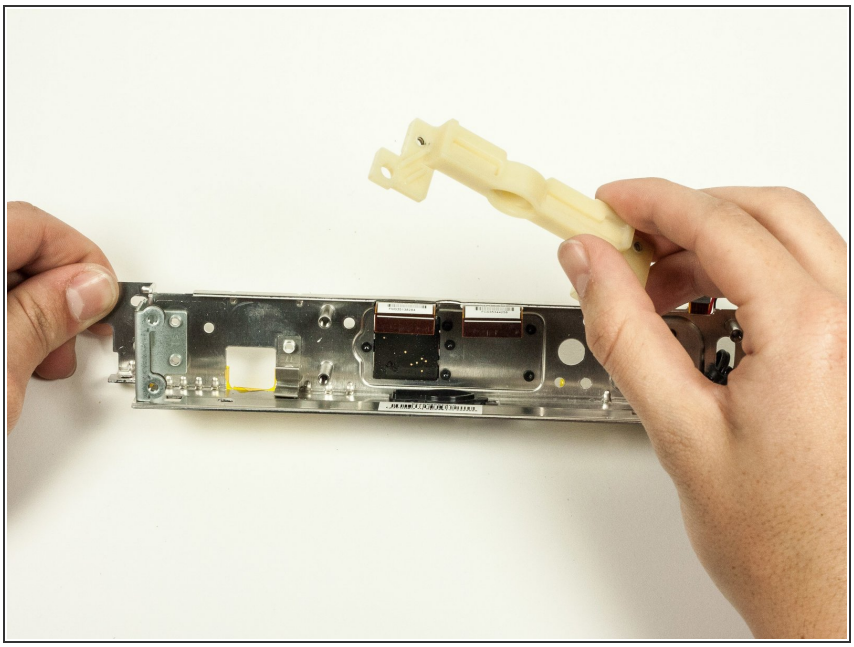
- Carefully remove the top body portion of the Kinect from the stand by guiding the cable through the hole on the underside of the body, then lifting the body off of the plastic stand.

Step 18



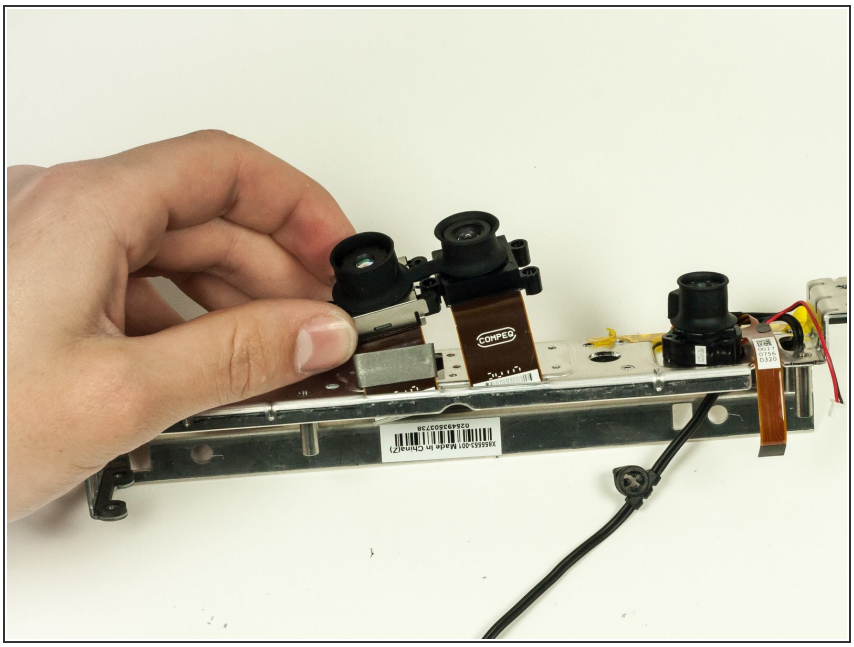
- Unscrew the nine 7mm T6 Torx screws from the metal body. These hold the cameras in place.

Step 19



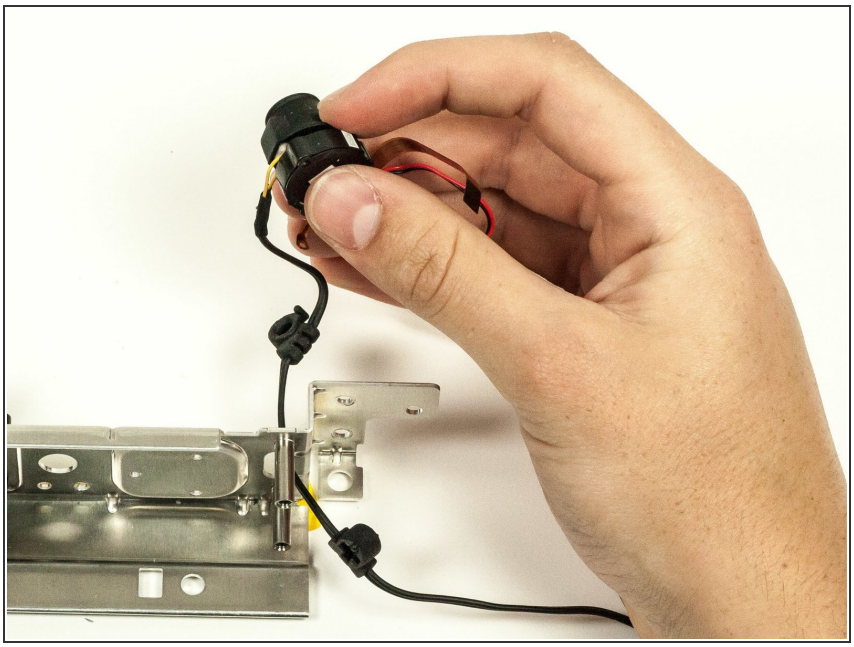
- Remove the plastic body from the metal body by sliding it off of the metal cylinders.

Step 20



- Remove the two cameras on the left (which are connected) by pulling their ribbon cables through their respective slots.

Step 21



- Remove the right camera from the metal body by sliding the cable through the hole it lies in.

The cable can be difficult to slide through the hole because of the large rubber parts attached to it. To manage this, simply squeeze the rubber parts to fit through the hole.

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