



Oculus Rift CV1 - open it

Oculus Rift - disassemble it - first steps. Unfortunately I'm stuck once the box is open.

Written By: MGueydan



 **TOOLS:**

- [T3 Torx Screwdriver](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
 - [iFixit Plastic Opening Tool](#) (1)
-

Step 1 — Remove the foam



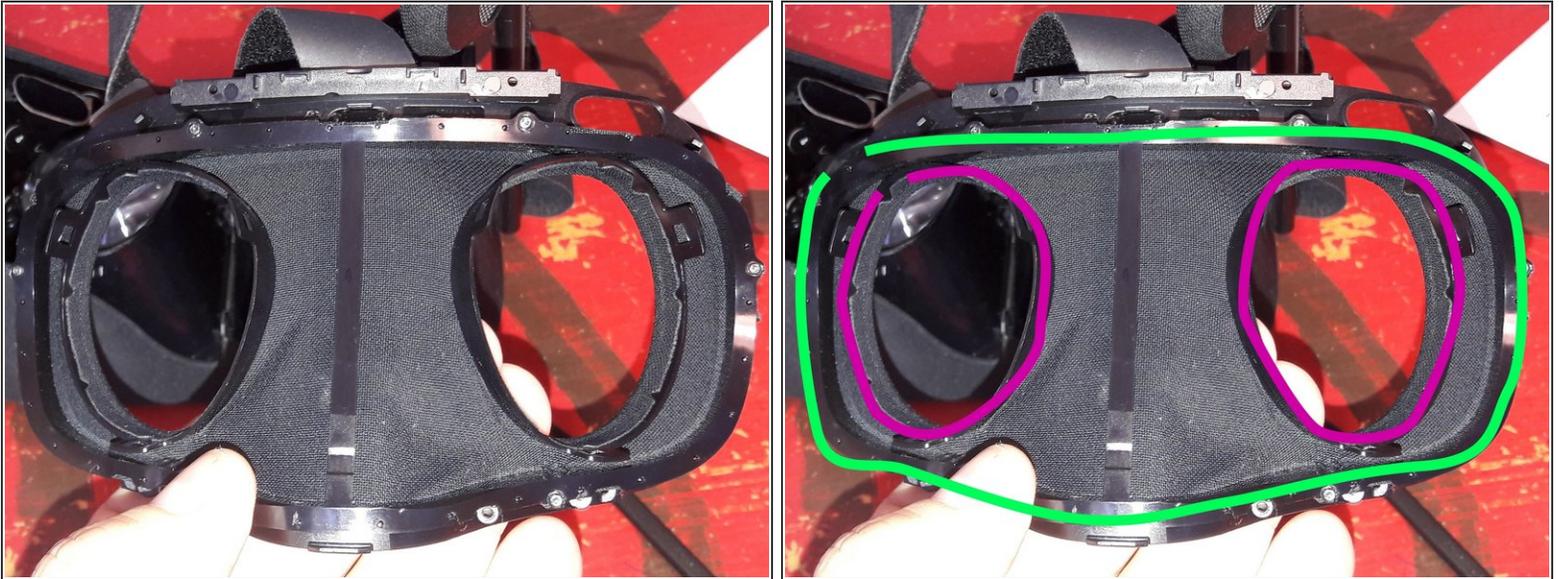
- First step is to remove the foam around the Oculus.
- Foam is glued on a plastic frame that is clipped on the main box. You need to remove foam and plastic frame together.
- There is no complexity in removing this part. As far as I can tell, it is not even clipped. It's just laid inside the box.
- First picture shows the part once removed
- Second picture is the delimitation of this part on the box
- Third picture show how the cable is running under the foam. Which means removing the foam doesn't affect the cable.

Step 2 — Unplug



- Second step is to unplug the Oculus.
- There is a single cable plugged inside the box using a regular HDMI-looking-like cable.
- You just need to gently pull this cable
- First picture is the socket, once the cable is unplugged
- Additionally, you have to remove a plastic clip that is holding the cable to the oculus frame (shown on picture 2)

Step 3 — Remove the inside mask - 1 - the mask



- That's where it really begins. We are now trying to remove the mask inside the oculus (shown on the first picture)
- There are three parts on this mask (see second picture) 1. the outside plastic frame (green), 2. two inside plastic frame (purple) 3. A black fabric .
- Both frames are fixed on the box, you have to release both of them.
- In following steps we'll see how to release it.

Step 4 — Remove the inside mask - 2 - the outside frame screws



- The outside frame is fixed by 6 screws and multiple clips. You first have to release screws.
- Screws position are shown on picture one and detailed on other pictures.
- You need a very small T3 torx screwdriver to remove them. I had to buy a specific one, because the one I owned was too thick.

Step 5 — Remove the inside mask - 3 - the outside frame clips



- Additionally to the screws, the outside frame of the mask has clips on the left-most and the right-most part of the mask.
- You can see it on the first picture.
- To remove them I just had to put a silicon opening tool like shown on the second picture and to slide it like to the position shown on the third picture.

Step 6 — Remove the inside mask - 4 - the inside frame clips



- The inside frames are firmly gripped on the lens by three clips. They are **not** easy to release.
- First picture shows the clips on the inside frame (once removed)
- Second and third pictures shows 3 of the 6 clips sockets (once the mask removed)
- Next step shows how I released the first of the 6 clips

Step 7 — Remove the inside mask - 5 - the inside frame release



- This part really is tricky. I assume they are many way to do it, here is the one I figured out.
- Once the outside frame is released (as seen in previous steps), you may pull this frame to see one of the six clips. As shown in picture 1.
- Using the nose shape you are able to slide an opening tool under this clip.
- The position of the opening tool is shown on the first picture.
- On the second picture I tried to show how the opening tool is able to slide under the clip (highlighted in green)
- It is not easy to access. Therefore it is not easy to do. I also is not easy to take a picture of. So I added the third picture, hopefully you may see what you need on one of them.
- Once the first clip is released, the other ones are easier to access.

Step 8 — Watch the inside



- Now the inside mask is released you may watch what is inside your Oculus.
- Specifically, you can see that the rear ribbon cable is completely messed up and torn (green part on the picture one)
- According to other internet sources, including iFixIt teardown , we now are supposed to release the electronic part from the box as shown on (borrowed) picture 3
- Unfortunately, that's what I failed to completely achieve. See below the issue.

Step 9 — Release the main screws



- There are 4 main screws that are holding the electronic to the box.
- On this step's pictures you can see the screw holes once those four screws are removed.
- I used a standard screwdriver to easily release them.

Step 10 — Release three additional tiny screws



- There are at least two tiny screws that are holding the electronic frame to the google. You can see them on pictures 1 and 2.
- And another one that is holding the lens button you will need to remove in the next step. You can see it on picture 3
- I used T3 torx screwdriver to release them.

Step 11 — Disassemble the Lens button



- Be aware you need to release one screw in the previous step if you want to do this step
- You just need an opening tool to disassemble the lens button.
- Pictures are self-explanatory.

Step 12 — And now I fail to remove the last screw



- At this stage, you will almost be able to release the electronic frame from the goggles (see picture 1).
- But on the upper side of the goggles there is one inaccessible screw I don't know how to reach (see pictures 2 and 3)
- If someone knows how to do that, please reach me, I'll push this tutorial further

Step 13 — Checking that it's a failure



- As you can see, sliding an opening tool between the electronic frame and the goggles, confirms that there is something to release at the place where this screw is.
- On this other borrowed picture (picture 2) we can see there is a socket for either the screw I cannot remove or a clip I do not understand.

If someone is able to help for the last step I'll be pleased to go further.