



Razer OSVR HDK 1.4 Screen Replacement

Guide to replace or clean the OSVR HDK 1.4 Screen.

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INTRODUCTION

This is just a helpful guide to get to the screen for replacement, repair, or cleaning. I successfully tore down and cleaned my screen with the following guide. If you have any suggestions, please let me know and I will add them. This is a moderate difficulty repair.

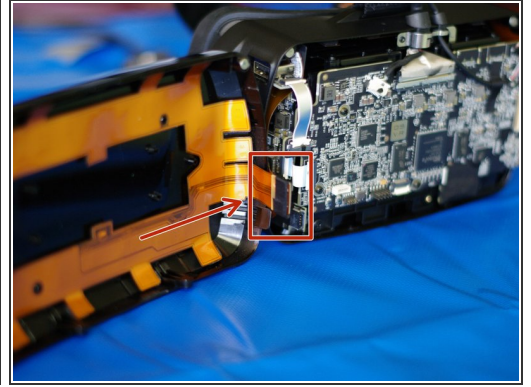
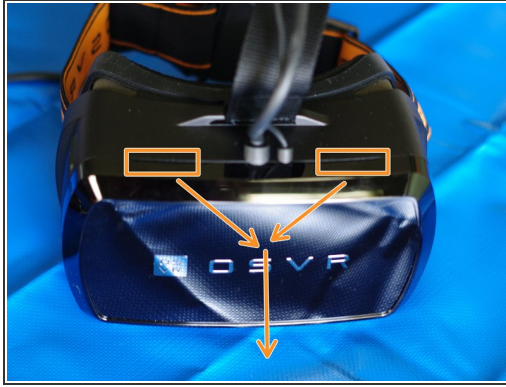
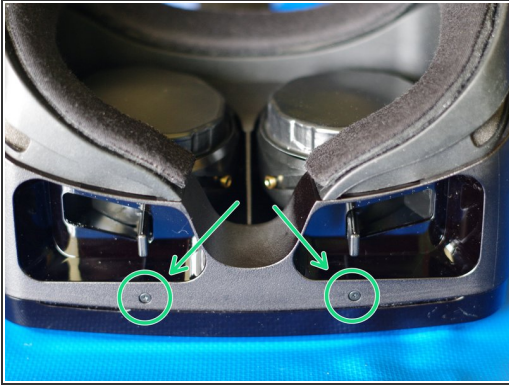
Important before you proceed: If you use this guide, you do so at your own risk. In no way is Mad Hatter VR, LLC or its members responsible for any damage or malfunctions caused by using this guide.



TOOLS:

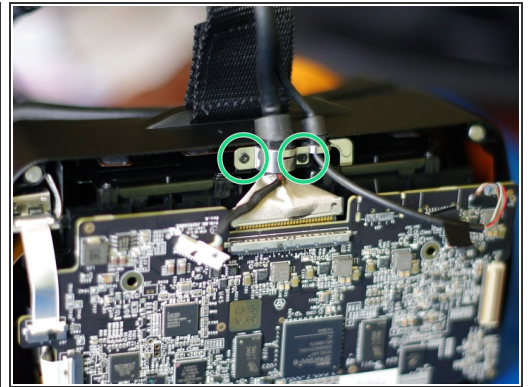
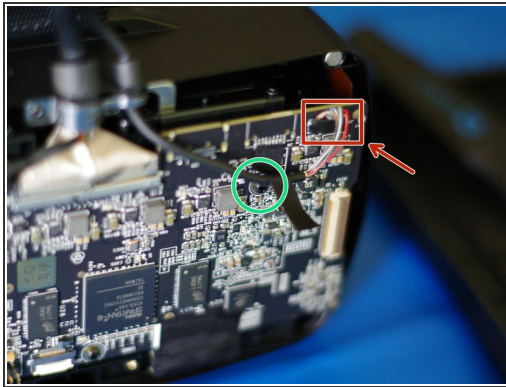
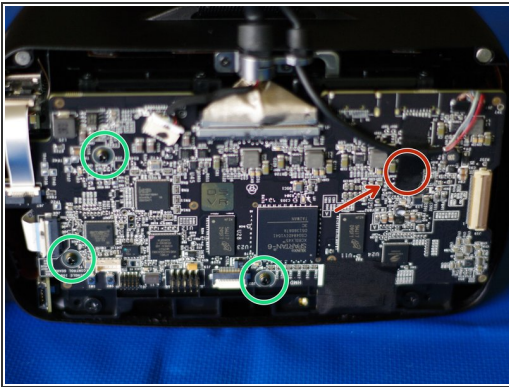
- [Phillips #00 Screwdriver](#) (1)
 - [Phillips #1 Screwdriver](#) (1)
 - [Heavy-Duty Spudger](#) (1)
 - [Portable Anti-Static Mat](#) (1)
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Step 1 — Removing the Face Plate



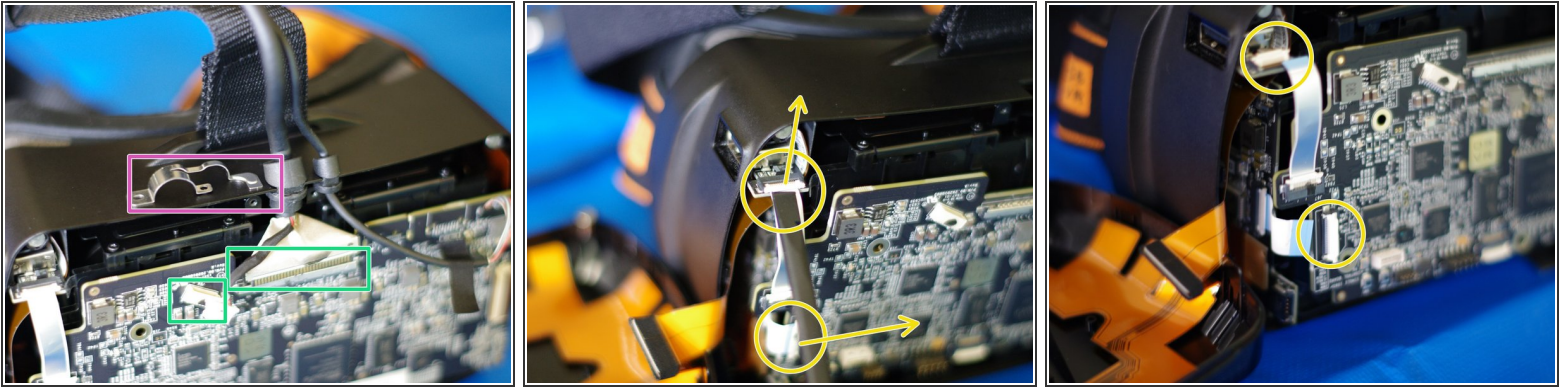
- Remove both of these screws with #00 Phillips Screw Driver.
 - Turn upright and gently pull face plate forward. There's two grooves to help with this on the top part. It's a magnetic plate, does not take much effort.
- ⚠ Gently fold face plate out watching for connector between plate and main device.

Step 2 — Unscrewing the Board



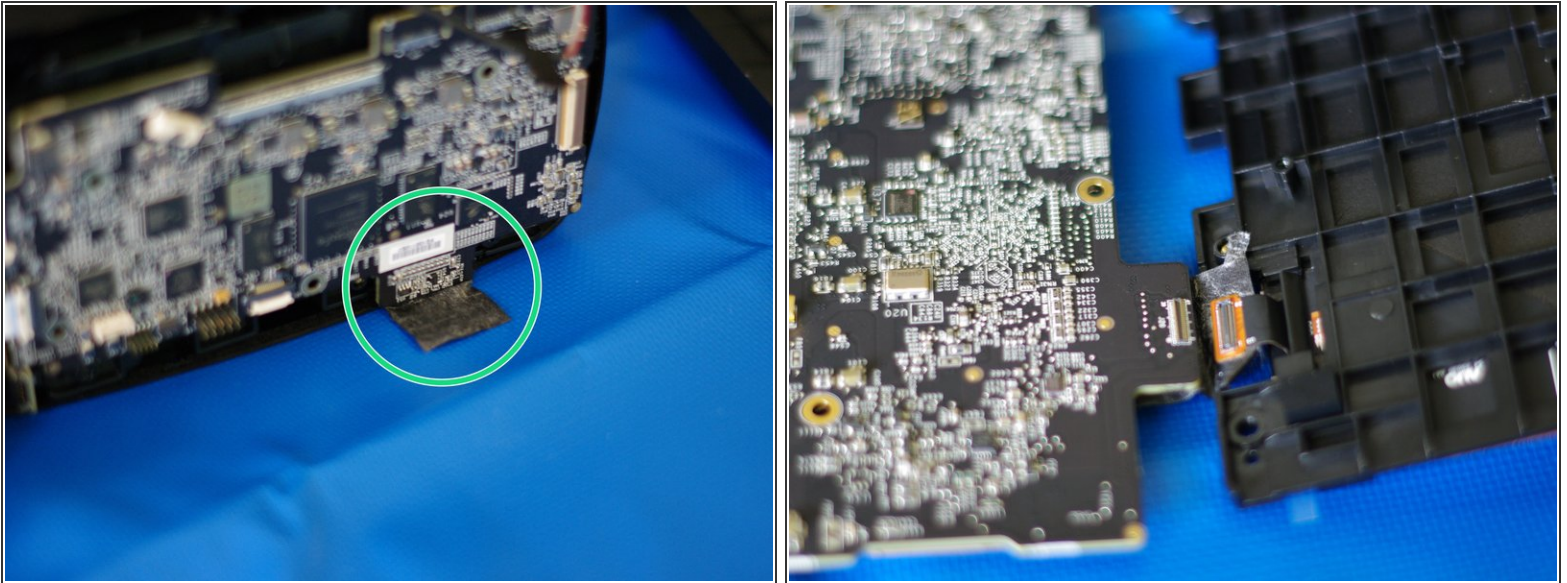
- Remove the four screws holding the board in place.
 - ⓘ One screw is hidden beneath the tape on mine.
- ⚠ Careful with the connector on the far right. Its cables are very small. I left it attached as it is not necessary to disconnect to get to screen.
- Remove the two screws for the cable plate. (Note: I disconnected the cables on this picture, but the way I have it here is the easier approach.)

Step 3 — Disconnect the Board



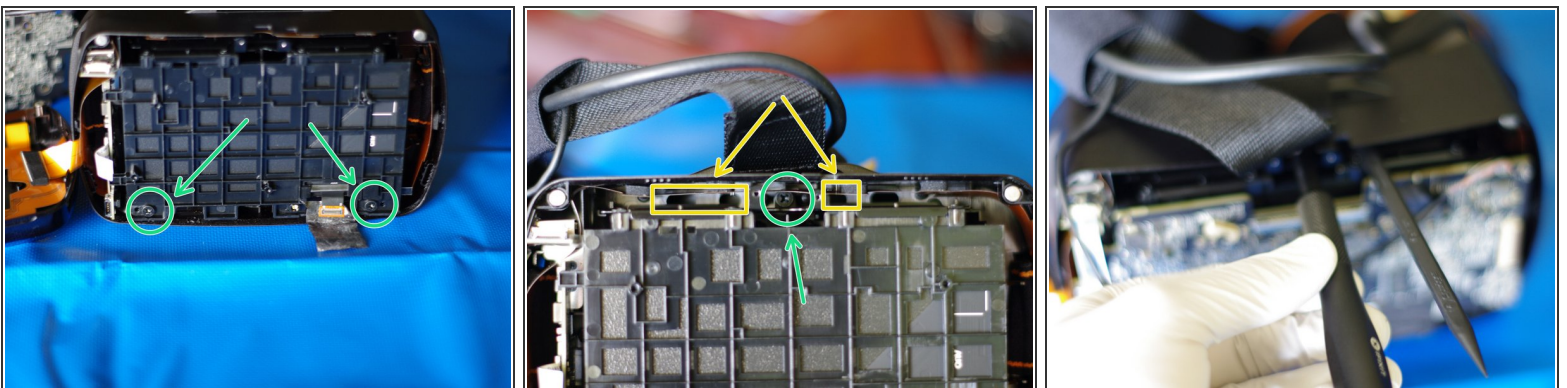
- Both of these connectors slide out. I have also removed the cable holder plate from the top.
- The two ribbon connectors on the left side flip open and the ribbon pops out. I used the spudger tool that came with my iFixIt kit.
- ⓘ To put it back together, you slide the ribbon back in until you can see about half the blue and close them back.

Step 4 — Disconnecting the Screen



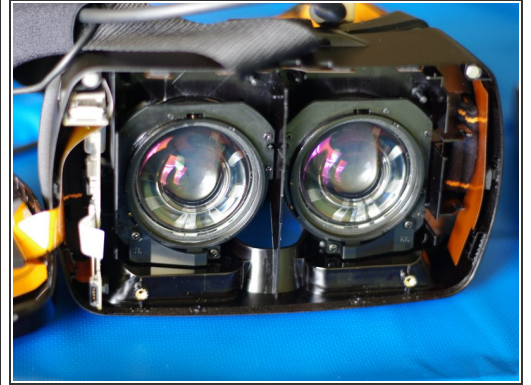
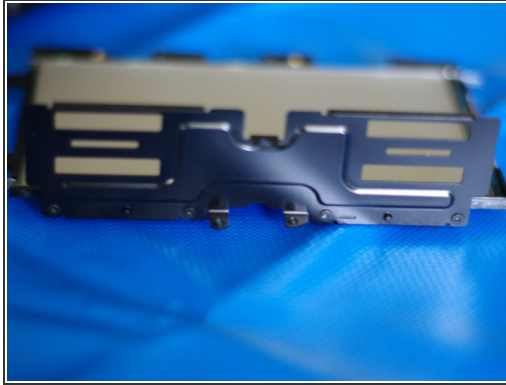
- Gently peel back the tape on the bottom right. There is a connector on the other side for the screen.
- ⓘ I have included a picture of this connector from reassembly for your information.
- Gently separate the board from the back of the screen, careful with the screen connector and the connector on the top right if you left it attached.

Step 5 — Unscrewing the Screen



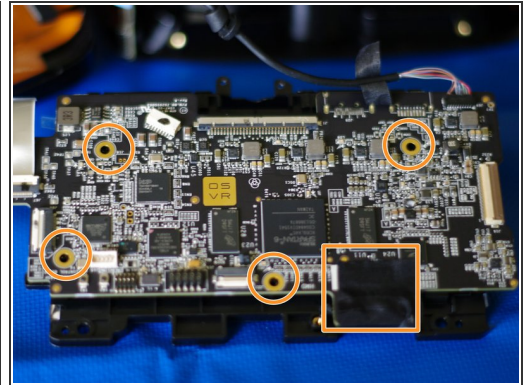
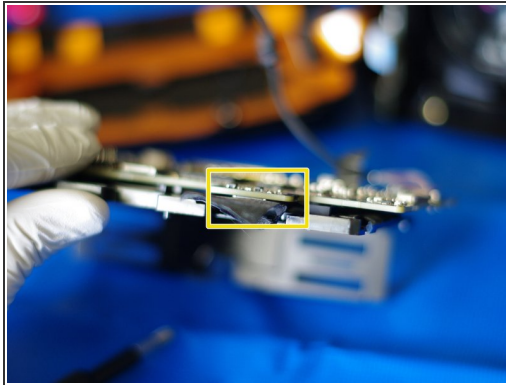
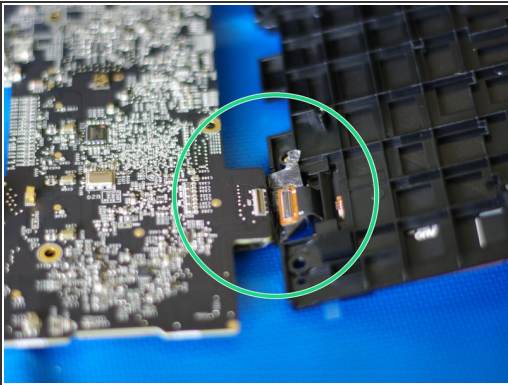
- Unscrew the two shallow screws and the one deep screw with the Phillips #1 bit.
- ⓘ There's a ribbon that I have marked in yellow that makes the deep screw hard to come out. I used my spudger to lift it up. Please note that the picture with the spudger is from reassembly.

Step 6 — Removing the Screen



- The screen slides right out.
- Here is a picture of the screen and assembly. My OSVR had some small plastic/foam bits on it from when I got it originally so I blew it clean with the included blower but a DSLR mirror blower works too. It also has a couple small scratches on the "film" that they added between 1.3 and 1.4 but I did not mess with that.
- You can access the lenses from here and finish tearing it down pretty easily.

Step 7 — Tips for reassembling the screen



- I found it easier to attach the board and connector prior to reassembling it into the mask.
 - Make sure the connector is correctly attached.
 - Tape it over and screw the four screws back in.
- ☑ Follows the other steps in reverse to complete reassembly.

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