



HTC Vive Pro Lens and OLED Assembly Replacement

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INTRODUCTION

Follow this guide to replace the lens and OLED assembly in your HTC Vive Pro.

Power off and unplug your headset before you begin your repair.



TOOLS:

- [T5 Torx Screwdriver](#) (1)
- [T6 Torx Screwdriver](#) (1)
- [Spudger](#) (1)
- [1 x Opening Picks](#) (1)
- [Tweezers](#) (1)



PARTS:

- [HTC Vive Pro Lens and OLED Assembly](#) (1)

Step 1 — Reposition the head strap



- Rotate the head strap forward as far as it will go.

Step 2 — Unplug the All-In-One Cable



- Unplug the All-In-One Cable from your headset.

Step 3 — Remove the All-In-One Cable



- Remove the All-In-One Cable from the cable guides along the left side of the head strap.
- ✦ During reassembly, connect the All-In-One Cable to the headset before routing it through the cable guides. This will ensure it has the right amount of slack.

Step 4 — Remove the top strap



- Separate the top strap from itself where the velcro secures it.

Step 5



- Peel back the Velcro securing the rear of the top strap.
- Feed the top strap out through the head strap to remove it.

Step 6



- Feed the top strap through the clip on the headset to fully remove it.

Step 7 — Remove the front side foam pads



- Peel off both front side foam pads to uncover the speaker wires.

Step 8 — Remove two rubber spacers



- Insert the pointed end of your spudger behind the square rubber spacer next to each headphone screw.
- Gently pry the rubber spacers out of the head strap.

⚠ Be careful not to accidentally pry any of the speaker wires under the rubber spacer.

Step 9 — Disconnect the speaker wires



- Use the pointed end of your spudger to pry up and disconnect both the left and right headphone speaker wires.

Step 10 — Remove the head strap



- Use a T6 Torx screwdriver to remove the two 12.1 mm screws (one on each side) securing the head strap to the headset.
- Use a T5 Torx screwdriver to remove the following screws securing the head strap to the headset:
 - Four 3.9 mm screws (two on each side)
 - Two 4.1 mm screws (one on each side)

Step 11



- Remove the two plastic spacers underneath the previously removed screws from the headset.

Step 12



- Thread the headphone speaker wires out through the ends of the head strap.

Step 13 — Remove the outer shell



- i** The four screws securing the outer shell are covered with black stickers. If the stickers are difficult to remove, simply press your T6 Torx driver through them.

Step 14



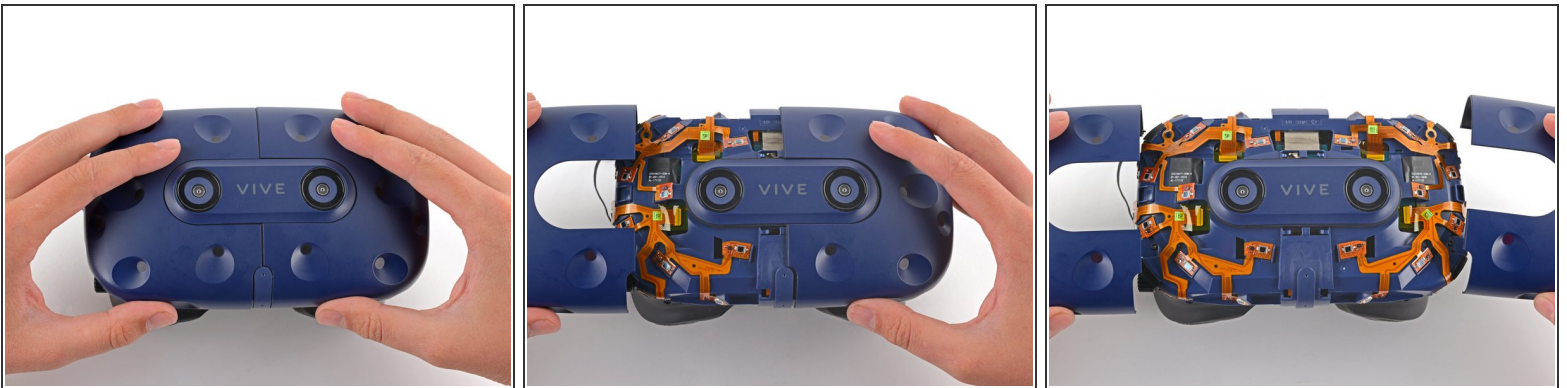
- Use a T6 Torx screwdriver to remove the four 3.9 mm screws (two on top, two on bottom) securing the outer shell to the headset.

Step 15



- Insert an opening pick into the crease between the two halves of the outer shell.
- Slide the opening pick through the crease to dislodge the clips securing it to the headset.
⚠ Only insert the opening pick as far as necessary. There are ribbon cables underneath the outer shell.
- Continue sliding the opening pick through each crease until all clips have been dislodged.

Step 16



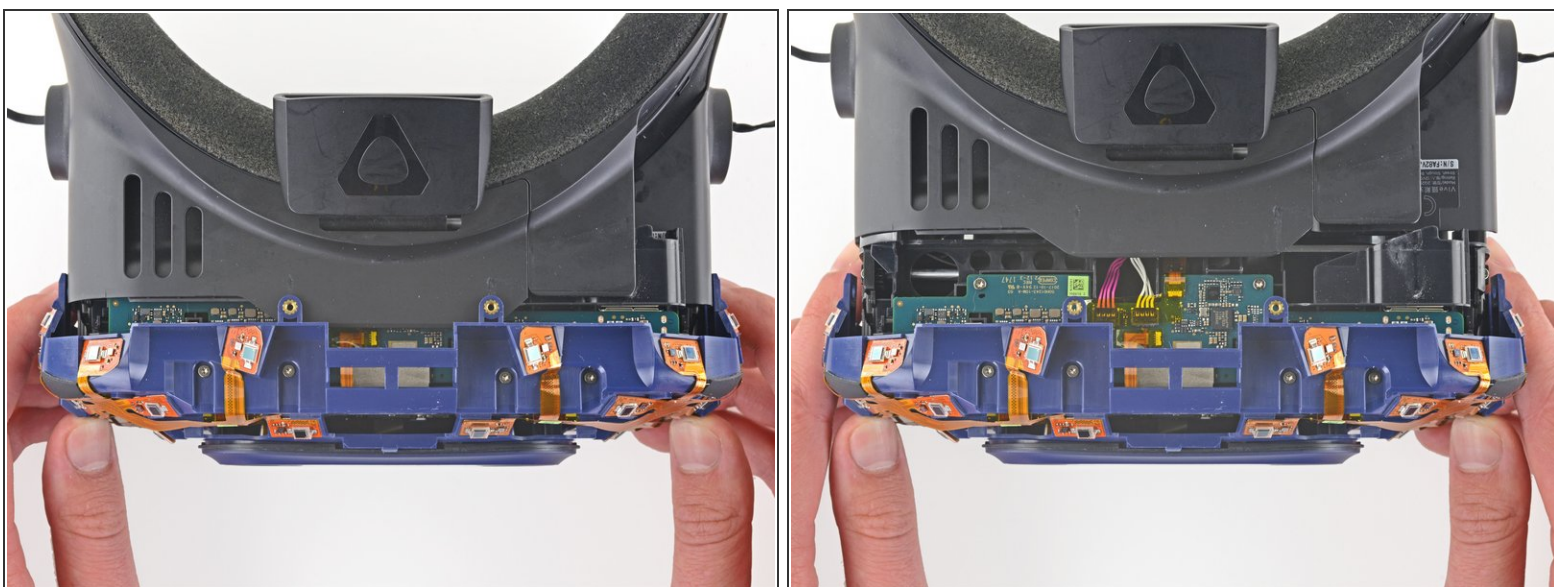
- Carefully slide each half of the outer shell off of the sensor array.
i Use caution not to snag any of the ribbon cables underneath.

Step 17 — Remove the facerest cushion



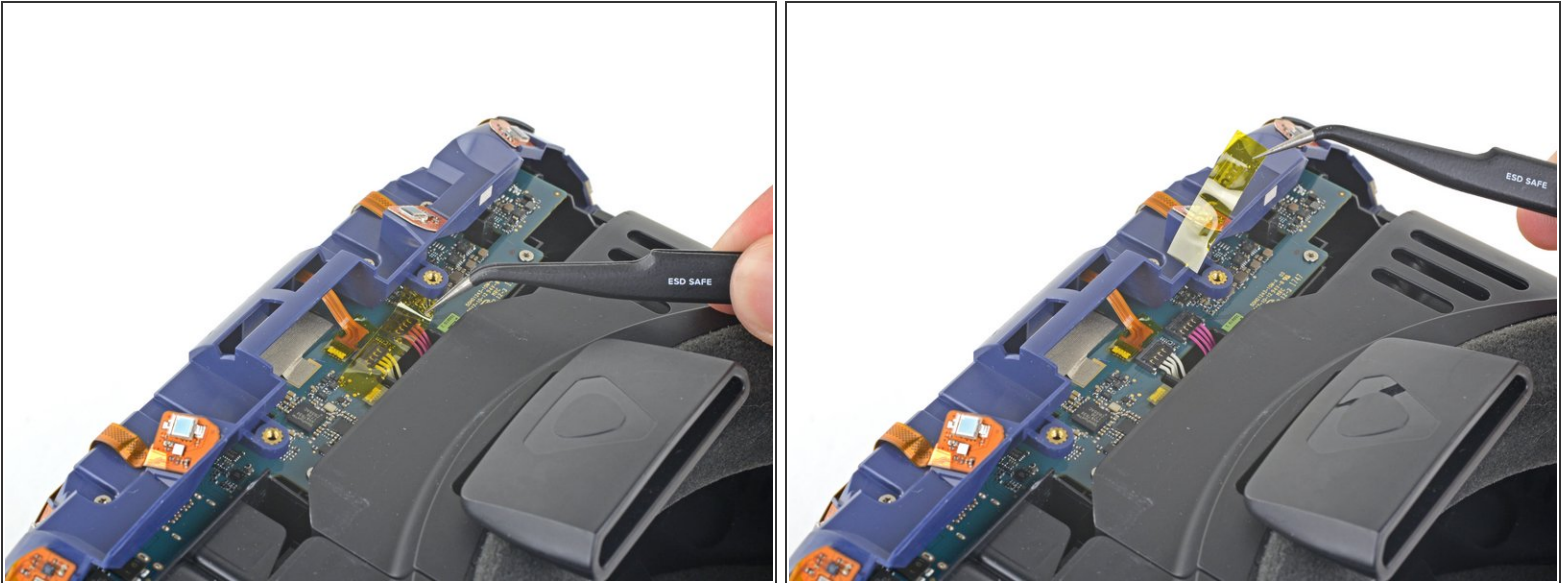
- Use your fingers to gently peel the facerest cushion off of the headset.

Step 18 — Remove the facerest



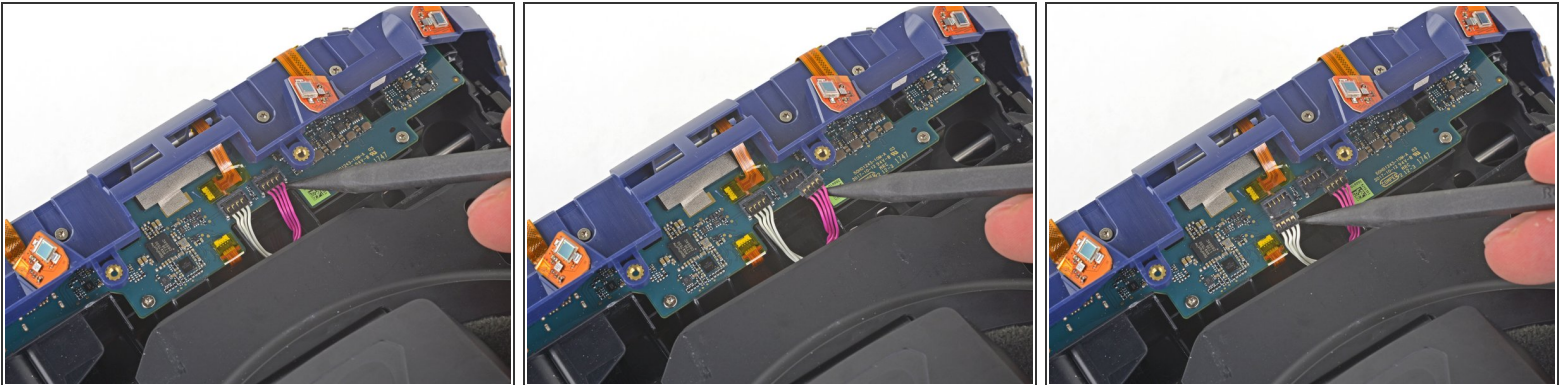
- Partially separate the facerest and the sensor array to access the daughterboard.

Step 19



- Use a pair of tweezers to remove the Kapton tape covering the white and purple wires on the daughterboard.

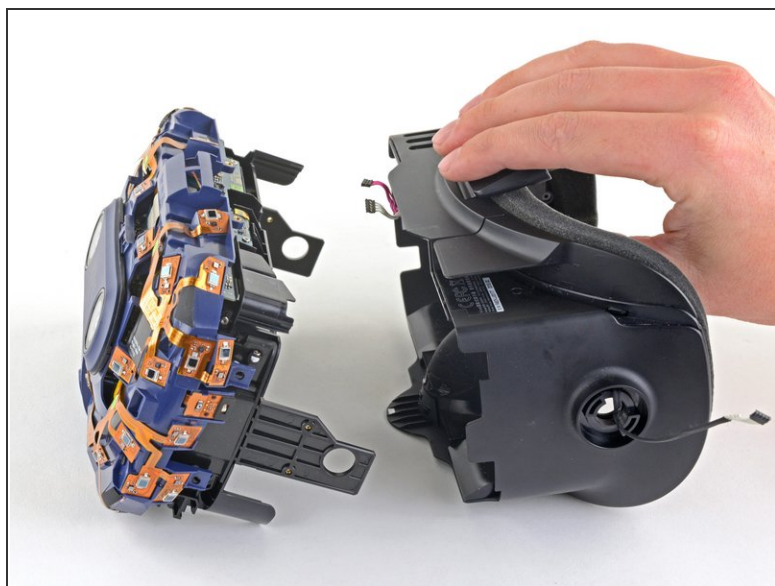
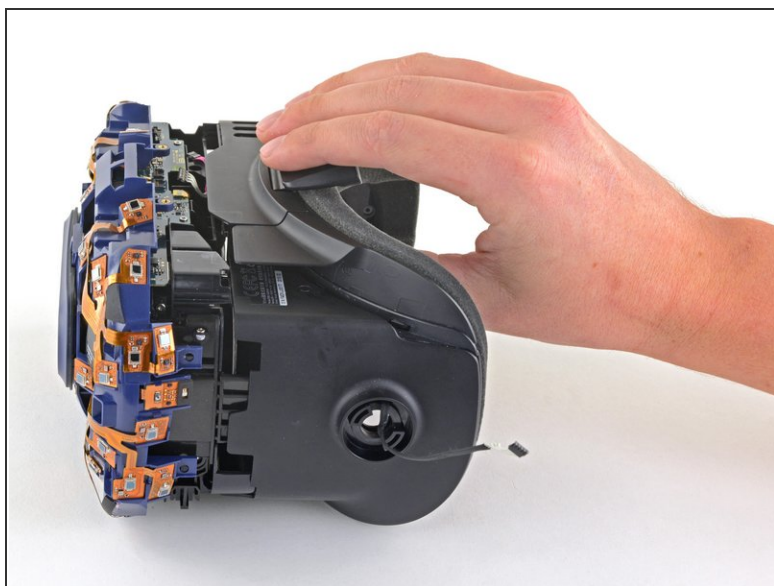
Step 20



- Use the pointed end of a spudger to pry up and disconnect the purple and white wires from the daughterboard.

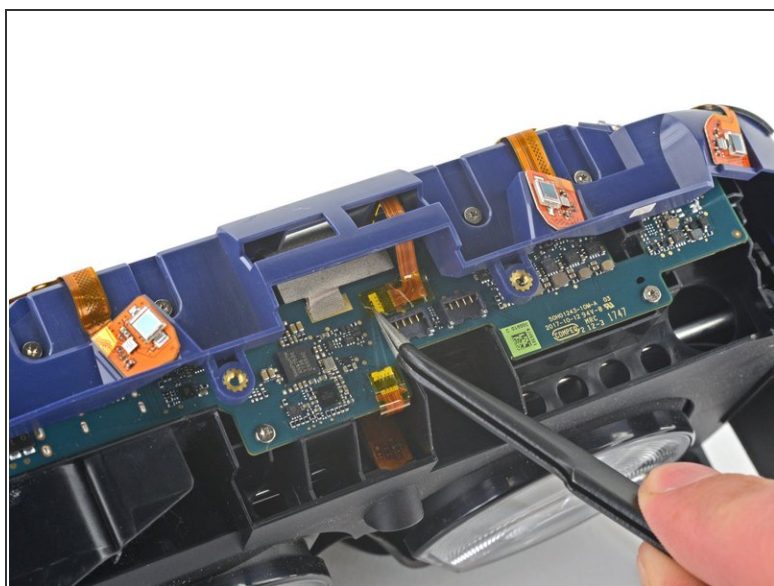
⚠ Use caution when disconnecting these wires. If you pry up too hard, they may pull out of the connector.

Step 21



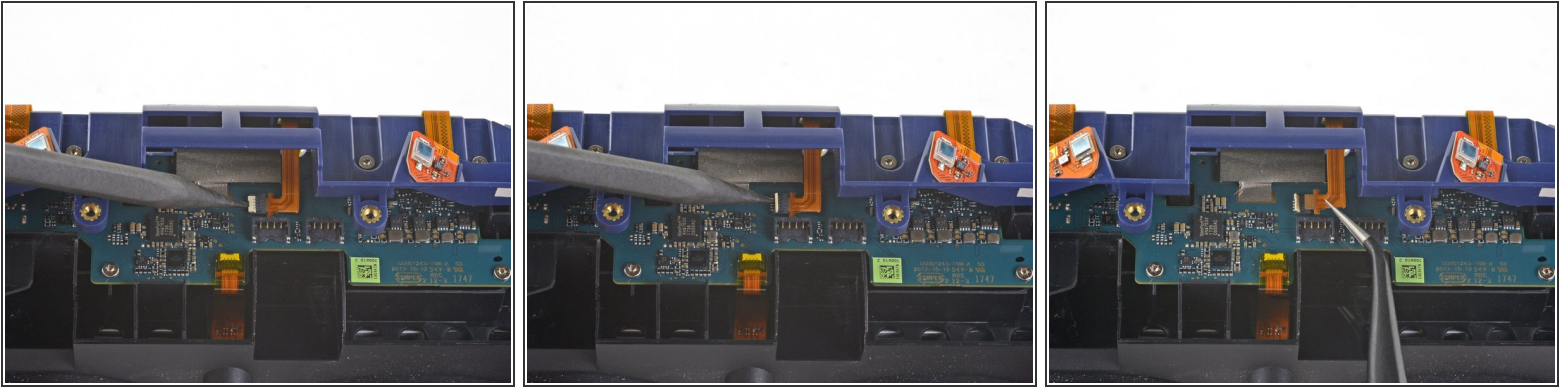
- Slide the facerest out of the front assembly.

Step 22 — Remove the sensor array



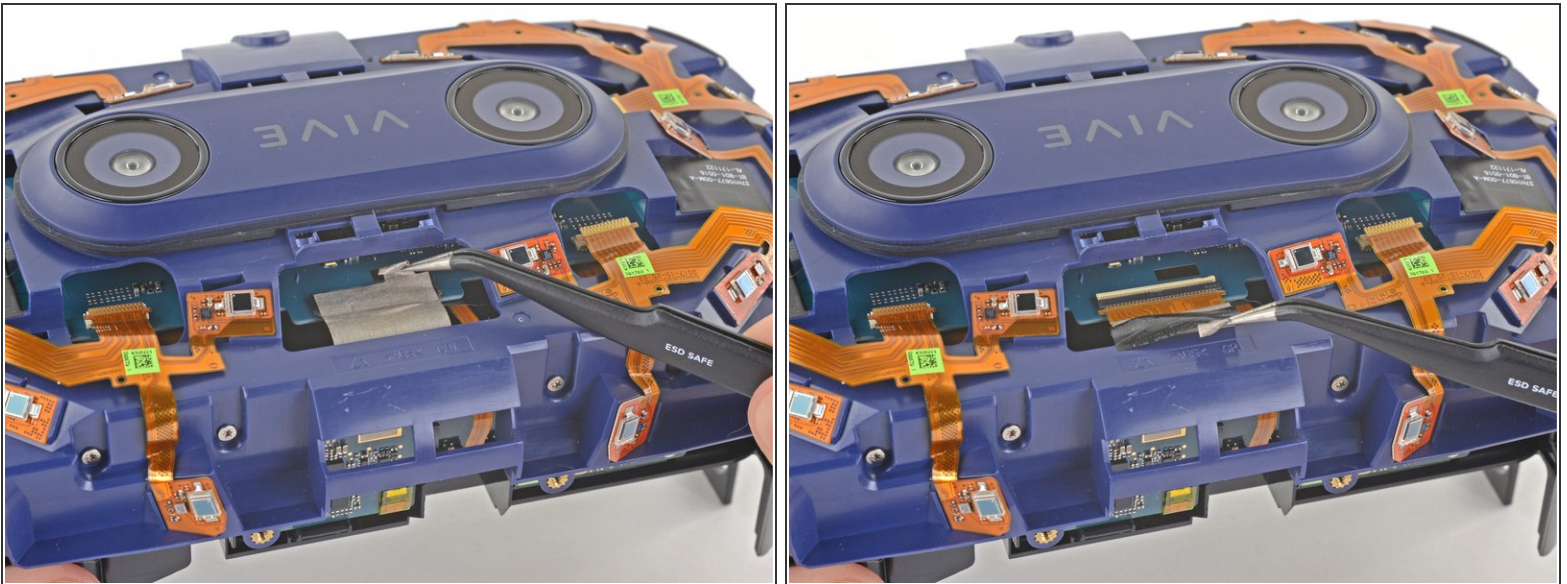
- Use a pair of tweezers to remove the Kapton tape covering the ZIF connector on the daughterboard.

Step 23



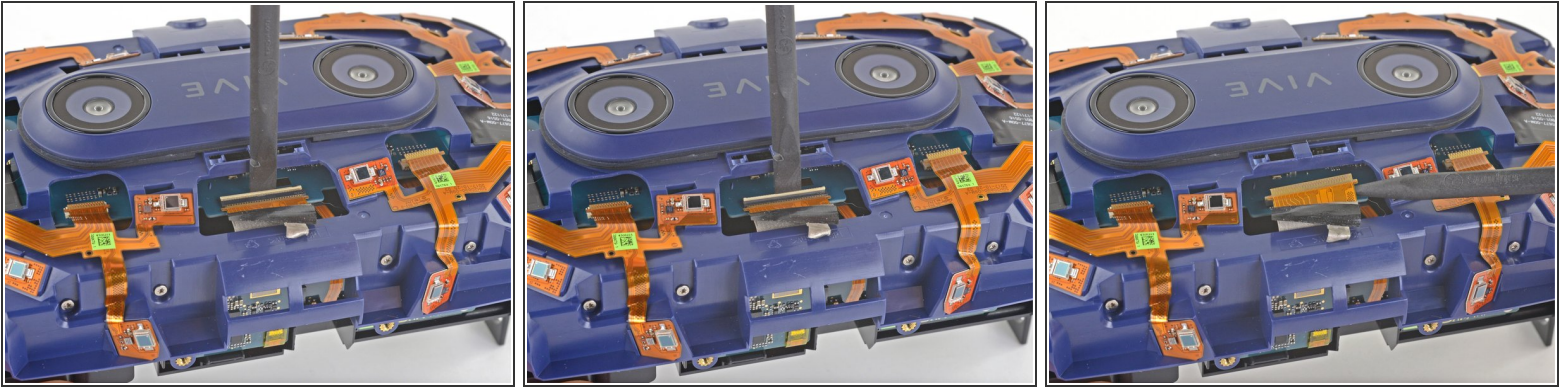
- Use the pointed end of a spudger to flip up the locking flap on the daughterboard ZIF connector.
- Use a pair of tweezers to slide the ribbon cable out of its socket.

Step 24



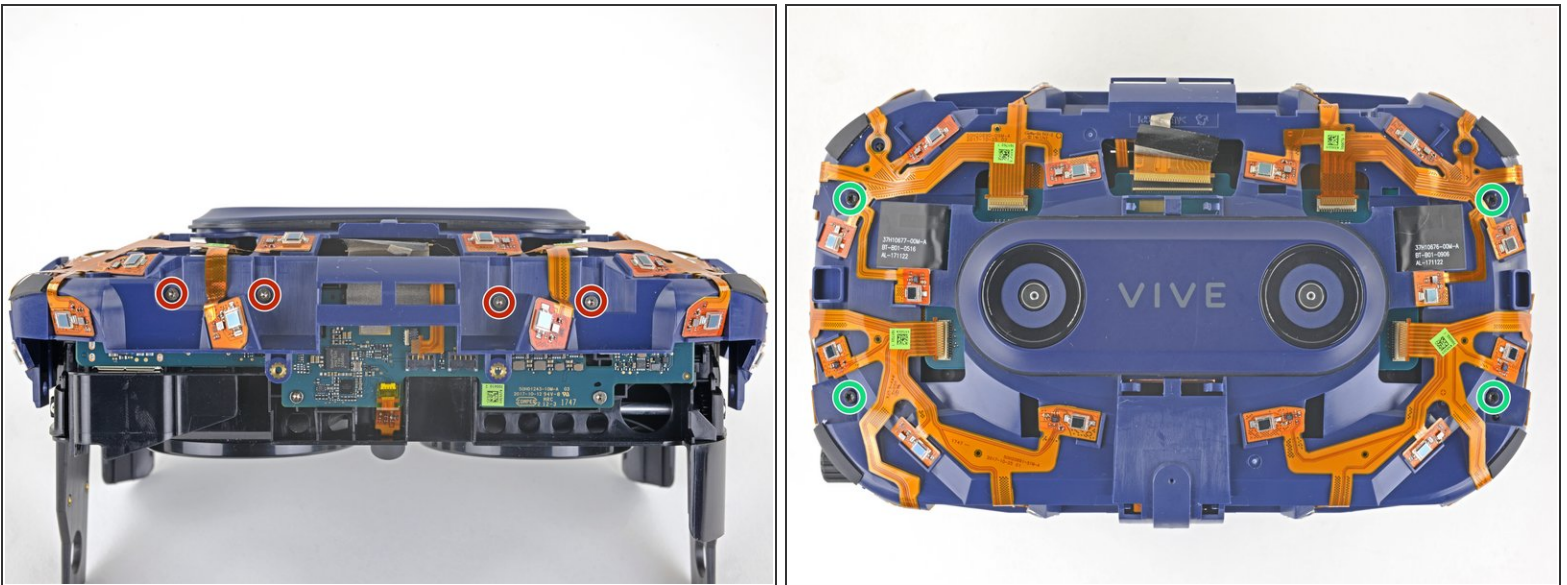
- Use a pair of tweezers to peel back the grey tape covering the ZIF connector on the motherboard underneath the sensor array.

Step 25



- Use the flat end of your spudger to flip up the locking flap for the ZIF connector on the motherboard.
- Use the pointed end of your spudger to disconnect the ribbon cable from the motherboard.

Step 26



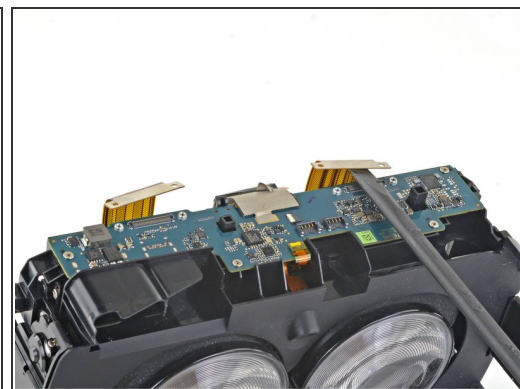
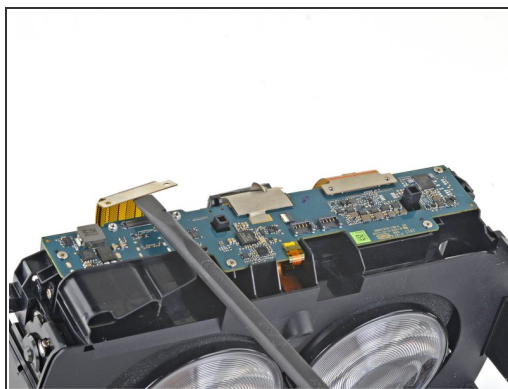
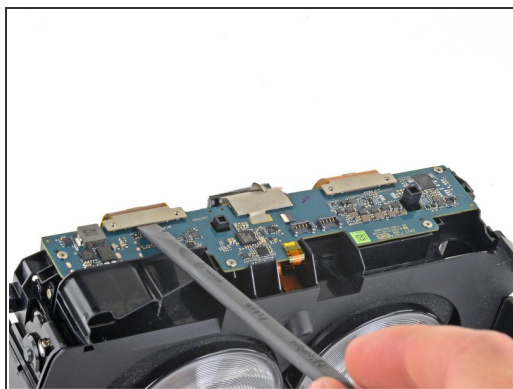
- Use a T5 Torx screwdriver to remove the four 3.0 mm silver screws securing the sensor array to the lens and OLED assembly.
- Use a T6 Torx screwdriver to remove the four black 3.8 mm screws securing the sensor array.

Step 27



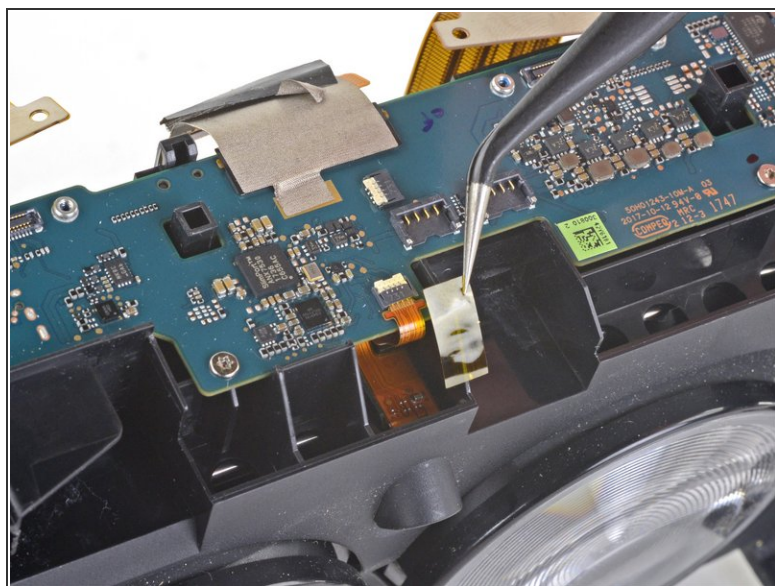
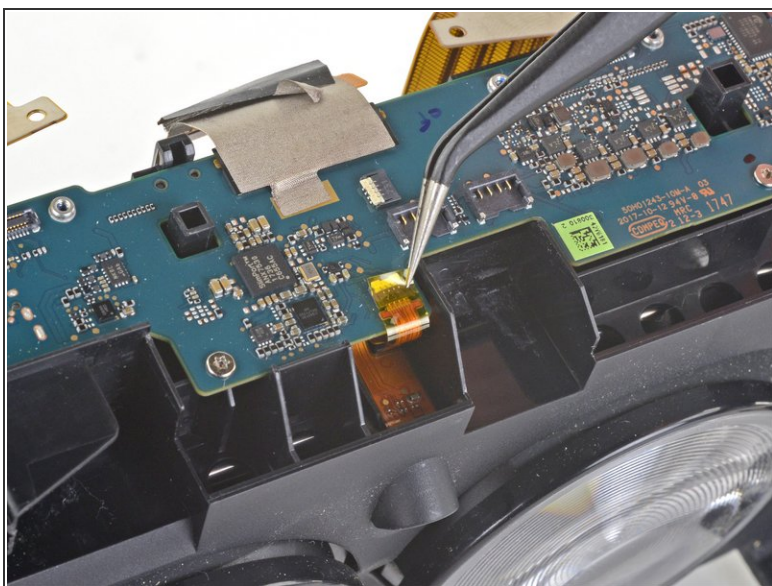
- Lift the sensor array straight up off of the lens and OLED assembly.

Step 28 — Remove the daughterboard



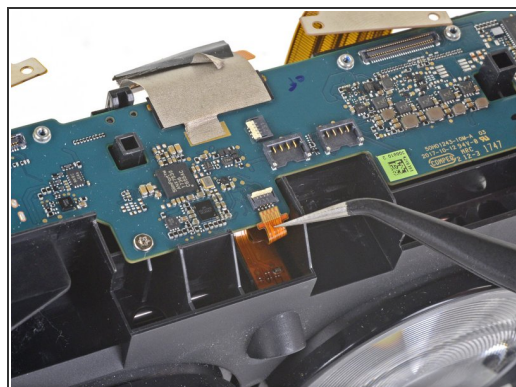
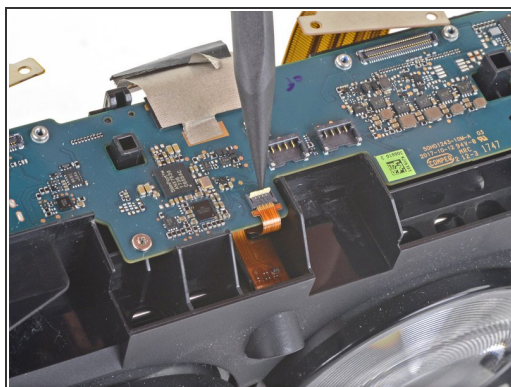
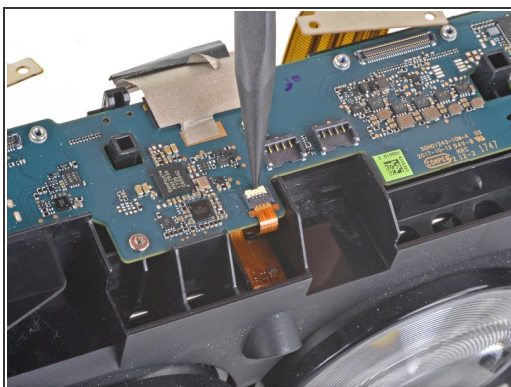
- Use the flat end of your spudger to disconnect the two press connectors from the daughterboard.

Step 29



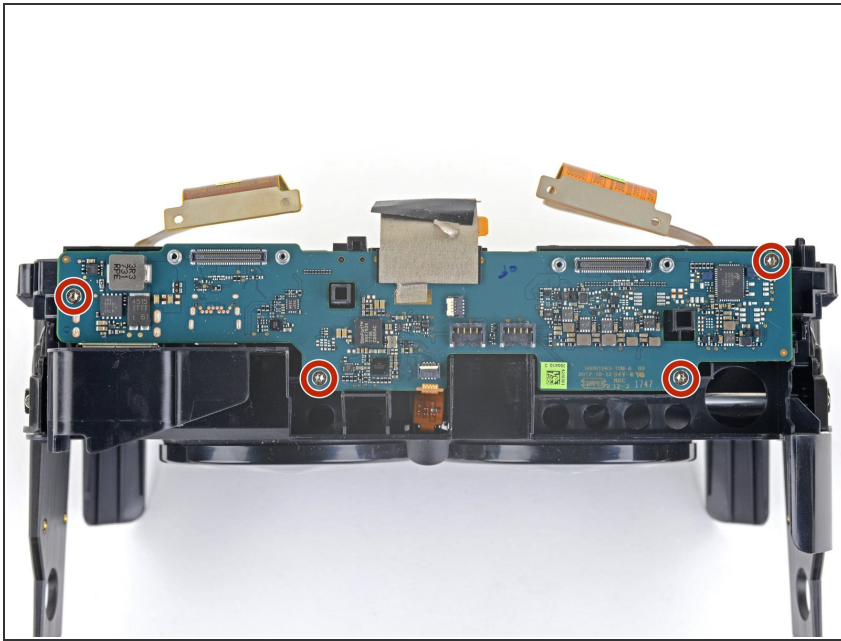
- Use a pair of tweezers to remove the Kapton tape covering the last remaining ZIF connector.

Step 30



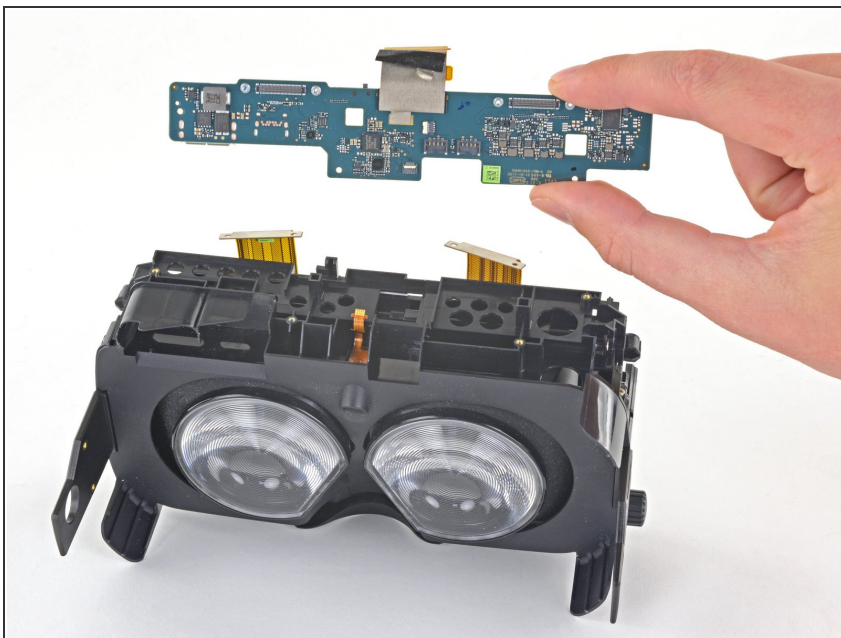
- Use the pointed end of your spudger to flip up the locking flap on the ZIF connector.
- Use a pair of tweezers to disconnect the ribbon cable from the ZIF connector.

Step 31



- Use a T5 Torx screwdriver to remove the four 3.0 mm screws securing the daughterboard.

Step 32



- Remove the daughterboard.
- ✦ During reassembly, don't forget to reinstall any Kapton tape that was removed during disassembly. This will prevent malfunction of the sensors.

Step 33 — Only the assembly remains



i Only the lens and OLED assembly remain.

Compare your new replacement part to the original part—you may need to transfer remaining components or remove adhesive backings from the new part before installing.

To reassemble your device, follow the above steps in reverse order.

Take your e-waste to an [R2 or e-Stewards certified recycler](#).

Repair didn't go as planned? Try some [basic troubleshooting](#), or ask our Valve Index [Answers community](#) for help.