



Oculus Rift Development Kit 2 Headset Motherboard Replacement

This guide leads the user through the replacement steps of the headset motherboard on the Oculus Rift DK2.

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INTRODUCTION

If the device is not working properly this could be due to a broken headset motherboard. Common causes for motherboard failures include being exposed to static shock, overheating, or component failure.

TOOLS:

- [Phillips #0 Screwdriver](#) (1)
- [Tweezers](#) (1)
- [iFixit Opening Tools](#) (1)

Step 1 — Eye Relief Adjustment Screw



- Remove front cover plate.
- Unplug the USB and HDMI cables from the Oculus Rift DK2.

Step 2



- Remove the four 3/8" Phillips #0 screws from the inner portion of the headset.

Step 3



- With the screws removed, gently pull the headband frame apart from the headset.

Step 4 — Remove Lens



- With the Oculus facing up, twist the right lens clockwise and lift it out. Repeat for the left lens twisting counterclockwise instead.

Step 5 — Headset Motherboard



- Using tweezers, carefully lift the four rubber plugs as shown. They are a bit snug and you may need to jiggle them free with the tweezers.

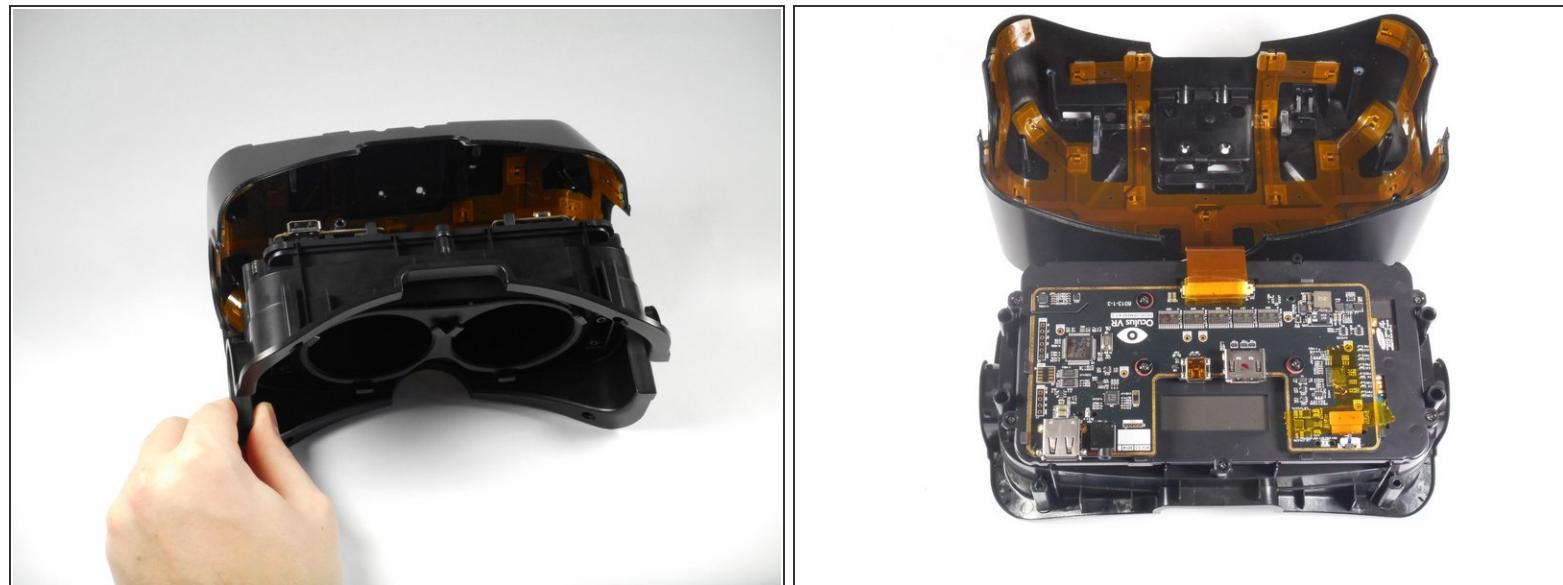
Step 6



- Remove the four 3/8" screws attaching the eyewear enclosure to the front casing.

⚠️ Read the next step before removing the faceplate!

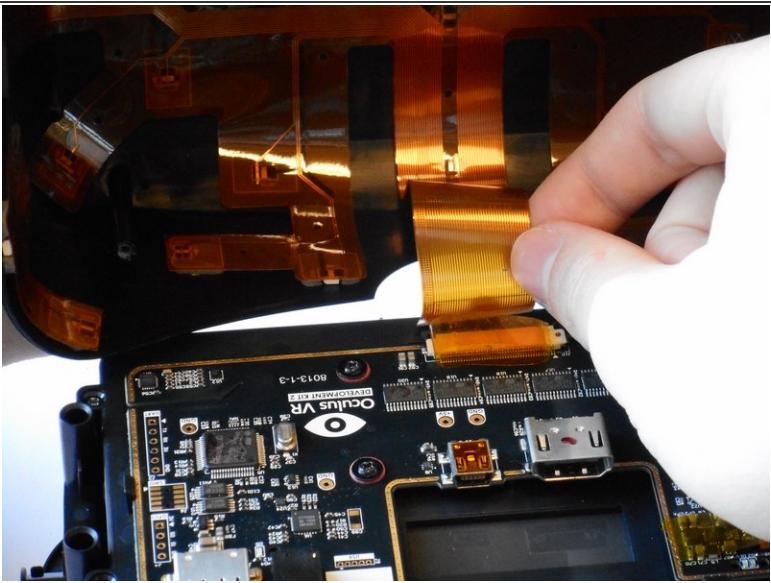
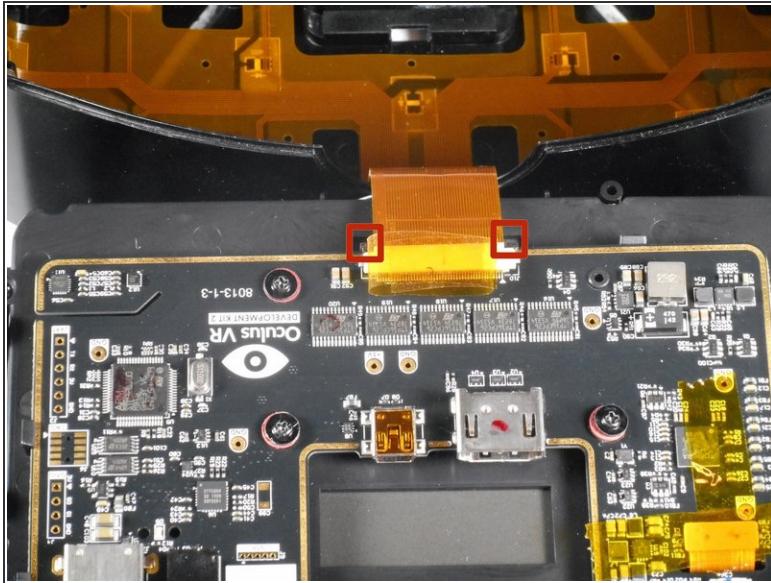
Step 7



- Carefully separate the faceplate and the cover. Gently rest the cover plate on top of the faceplate as shown in the pictures.

⚠ Do not use excessive force when separating these two pieces. There is a delicate ribbon cable connected to each.

Step 8



- Gently pull out the small side tabs on the ribbon cable connector as shown to release the cable.
- Push the tabs away from you, with the headset oriented as pictured. Carefully slide the ribbon cable out.

(i) The headset should now be two separate pieces.

Step 9



- Unscrew the three 1/4" Phillips #00 screws as pictured and use the tweezers to lift them out.

Step 10



- Lift the tape and gently pry up the video data ribbon cable using the plastic opening tool as shown.

Step 11



- Gently pry back the motherboard clips to release the motherboard. The motherboard should now lift free.

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