



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)
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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!

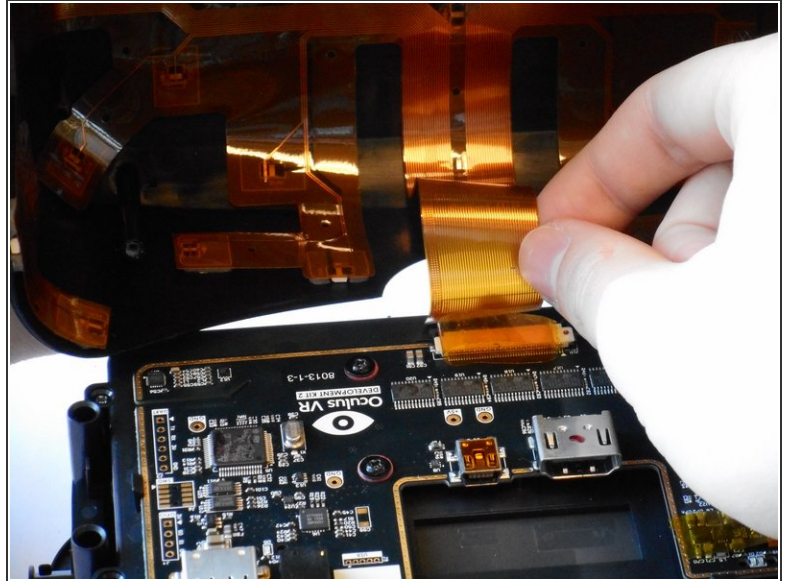
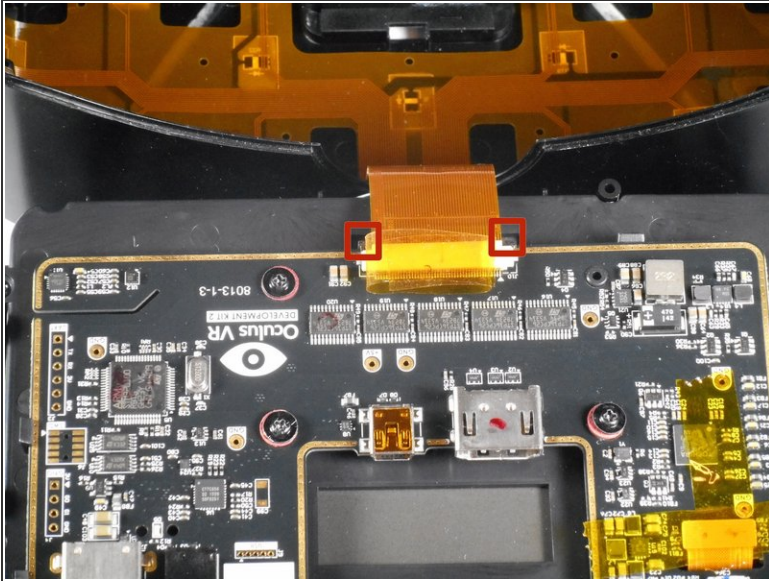
Step 7



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

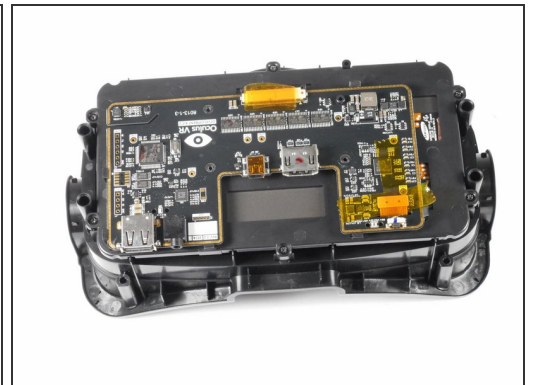
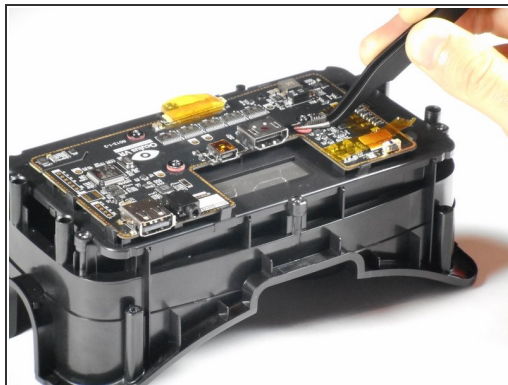
 Do not use excessive force when separating these two pieces. There is a delicate ribbon cable connected to each.

Step 8



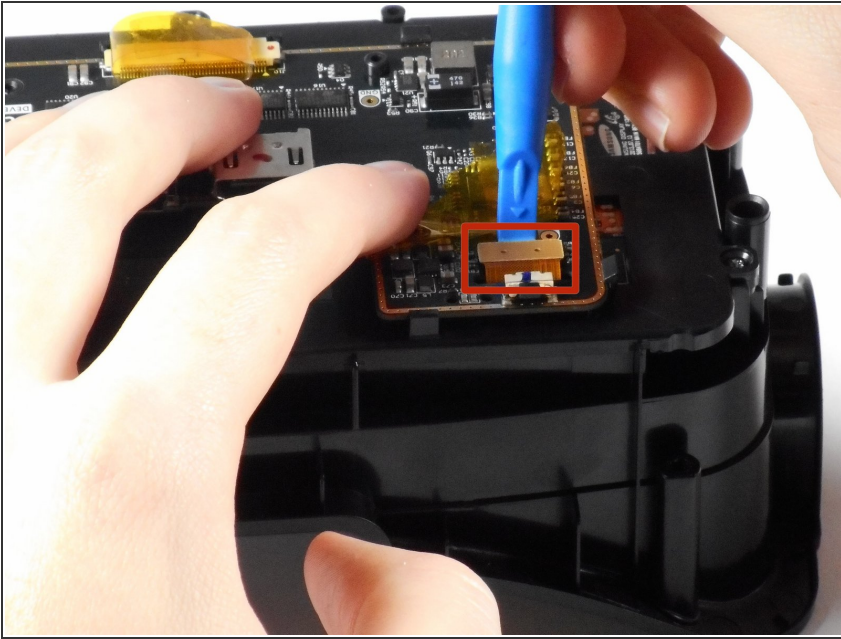
- Gently pull out the small side tabs on the ribbon cable connector as shown to release the cable.
- Push the tabs away from you, with the headset oriented as pictured. Carefully slide the ribbon cable out.
- ⓘ The headset should now be two separate pieces.

Step 9



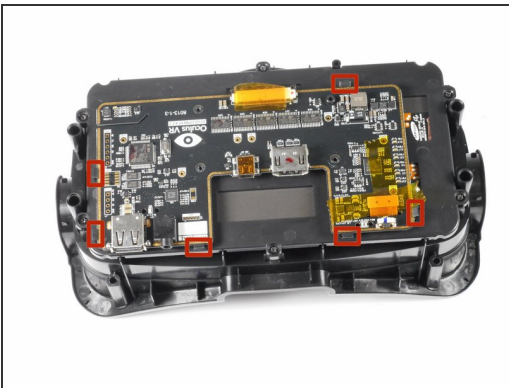
- Unscrew the three 1/4" Phillips #00 screws as pictured and use the tweezers to lift them out.

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.