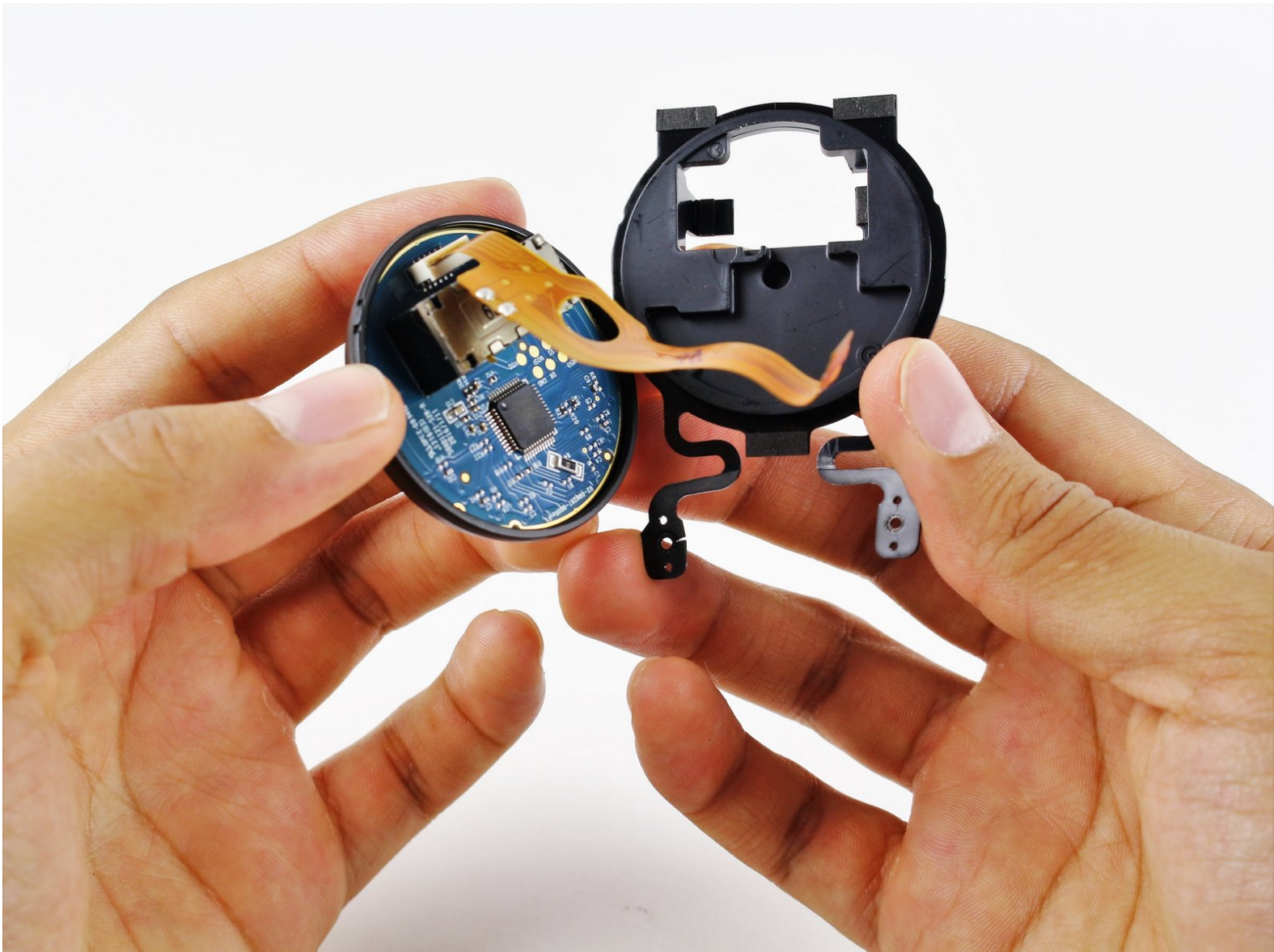




HTC Vive Controller Daughterboard Replacement

How to replace the trackpad daughterboard in the HTC Vive Controller.

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INTRODUCTION

The HTC Vive controller trackpad may be faulty from extended or rough use and not detecting your fingers properly. The daughterboard interprets trackpad input and is solely dedicated to the trackpad's function. Minimize surface contact with the daughterboard's circuits. This guide will show you how to replace the trackpad daughterboard.



TOOLS:

- [Phillips #00 Screwdriver](#) (1)
#00
 - [T5 Torx Screwdriver](#) (1)
 - [Spudger](#) (1)
-

Step 1 — Saucer Panels



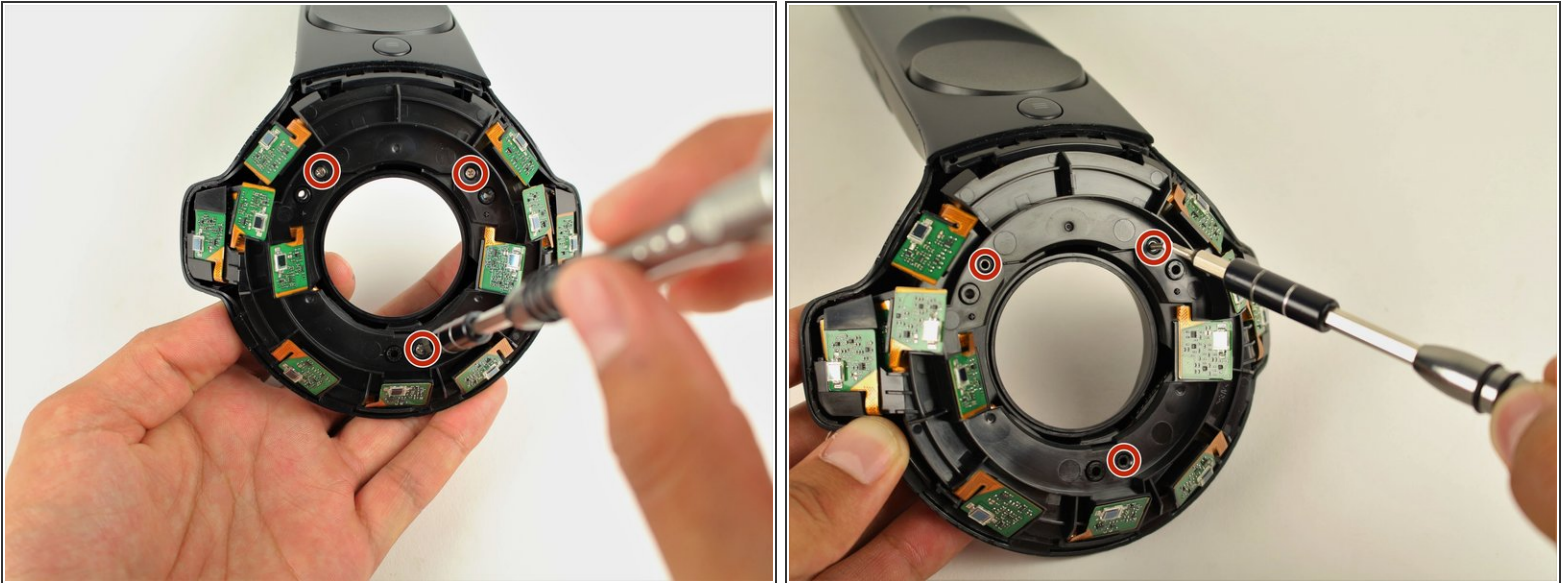
- Turn over the Vive controller so that the bottom saucer is facing up.
- Use the T5 Torx screwdriver to remove three black 21mm screws from the bottom saucer.

Step 2



- Use the nylon spudger to separate the top and bottom saucer covers all around the edges.
- Remove only the top saucer cover by pulling up with your hand.

Step 3



- Use the Phillips 00 screwdriver to remove the three silver 12.8mm screws from the exposed upper sensor panel.

Step 4



- Carefully pull away the bottom saucer cover with your hand.
- ❗ To aid in removing the saucer cover, squeeze the base of the controller with your other hand, as shown in the second image of this step. Squeezing will make the clips easier to release and help prevent them from breaking.

Step 5 — Front Panel



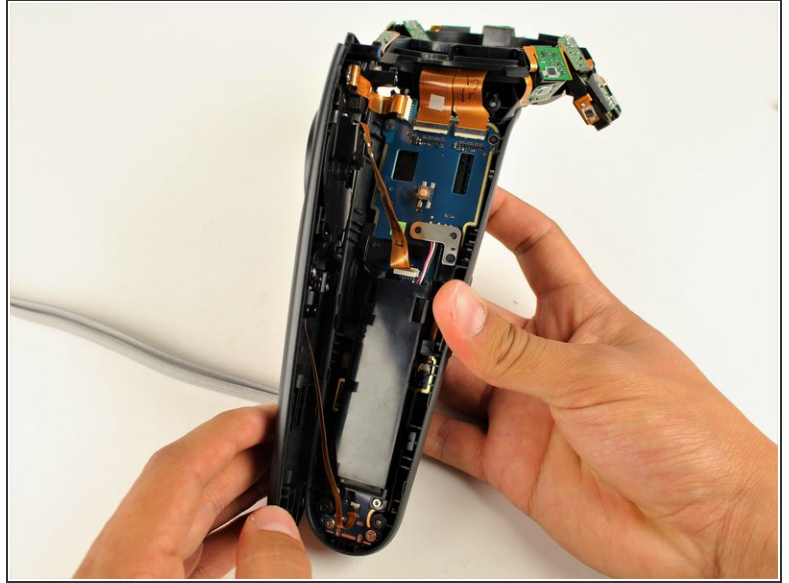
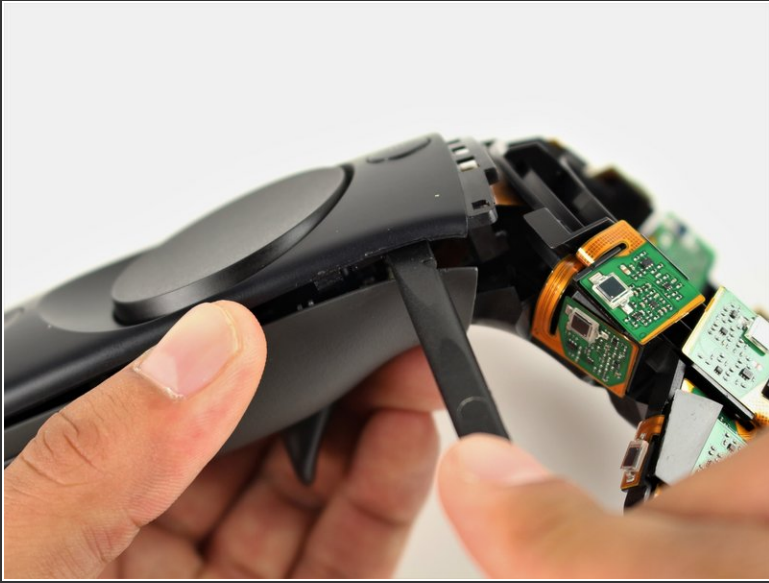
- Use the T5 Torx screwdriver to remove the two black 5.2mm screws on the back gray panel.

Step 6



- Turn over the Vive controller so that the exposed bottom saucer panel is facing up.
- Use the T5 Torx screwdriver to remove the three black 5.2mm screws.

Step 7

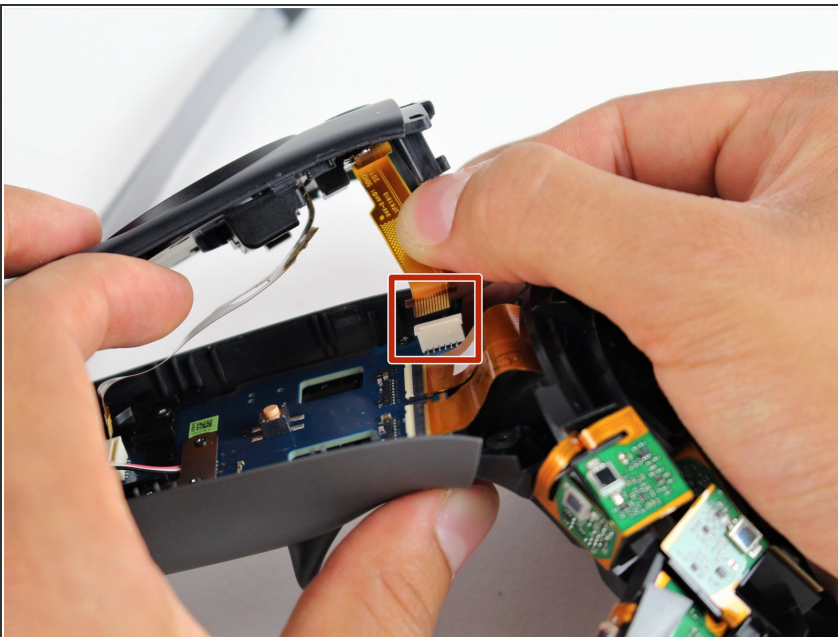


- Use the nylon spudger to separate the front panel gently by running the spudger around the edges of the handle.

⚠ Only separate the front panel around the edges. Do not try to completely remove the panel yet.

- Gently lift the right side of the panel to the left.

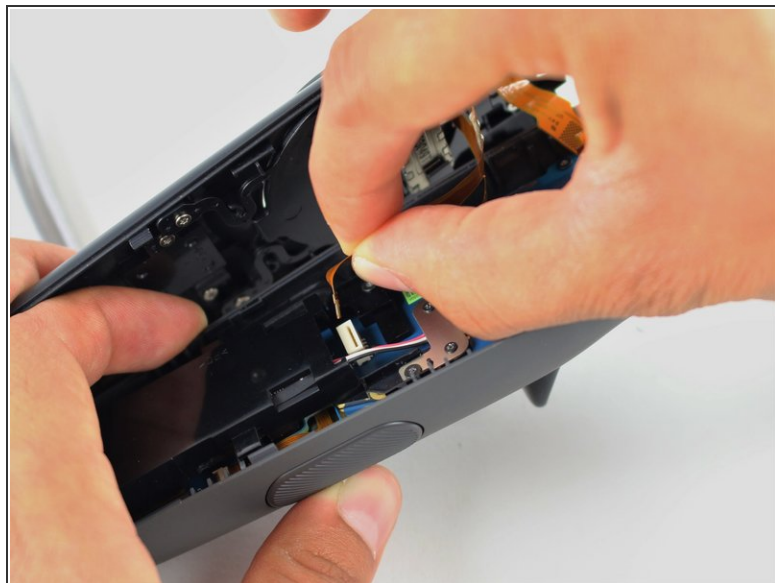
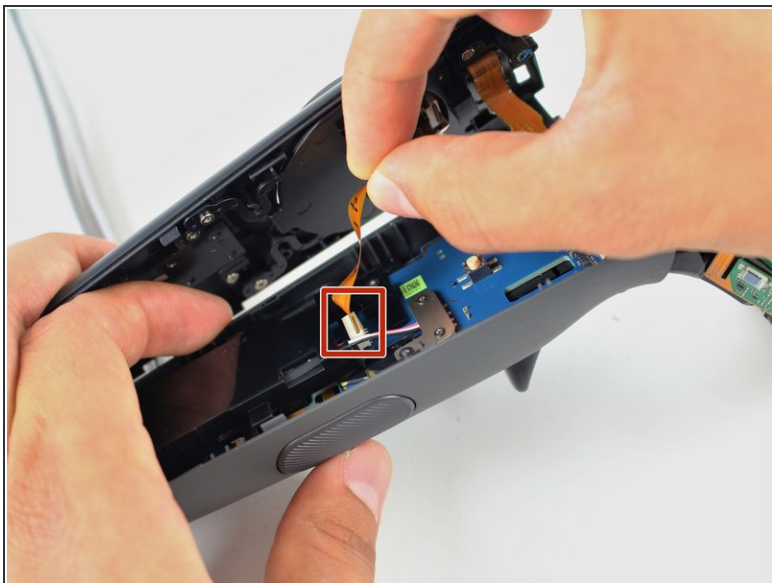
Step 8



- Disconnect the upper ribbon cable gently by pulling the ribbon up and away from the motherboard with two fingers.

⚠ Do not try to disconnect the ribbon cables from the front panel.

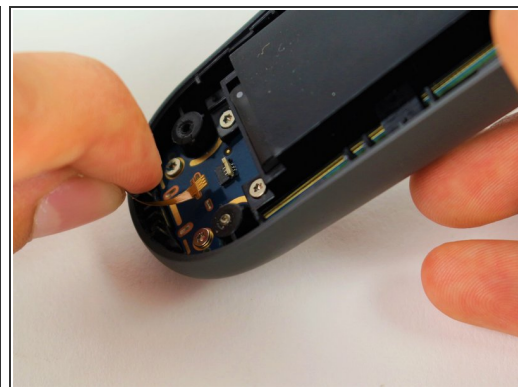
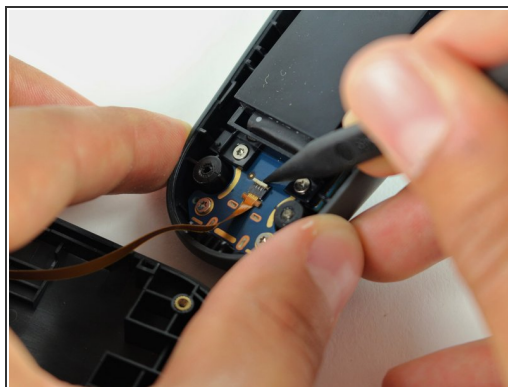
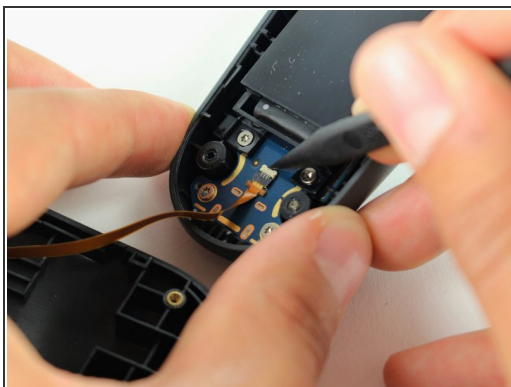
Step 9



- Disconnect the middle ribbon cable gently by pulling the ribbon cable up and away from the motherboard with two fingers.

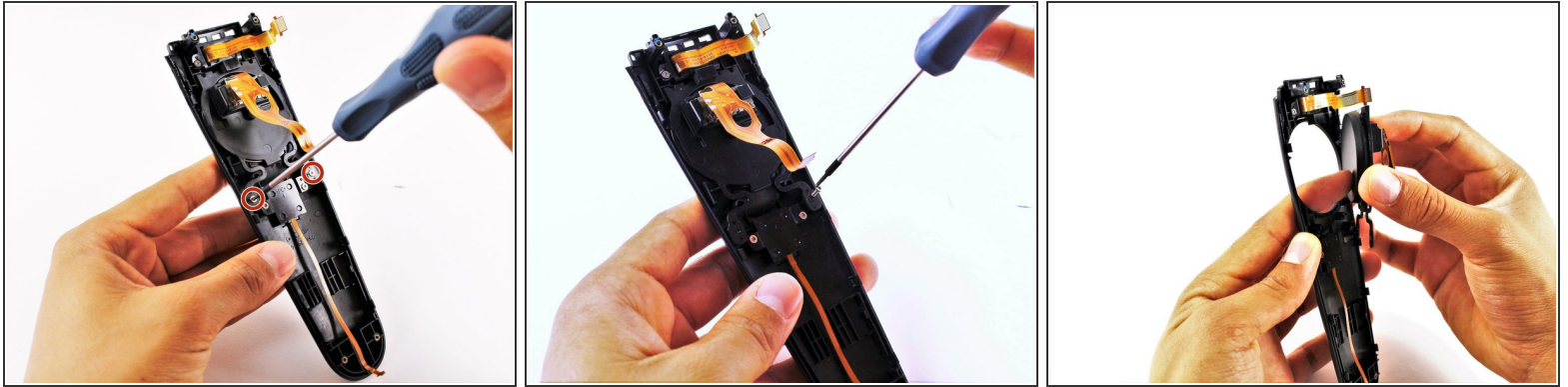
⚠ Do not try to disconnect the ribbon cables from the front panel.

Step 10



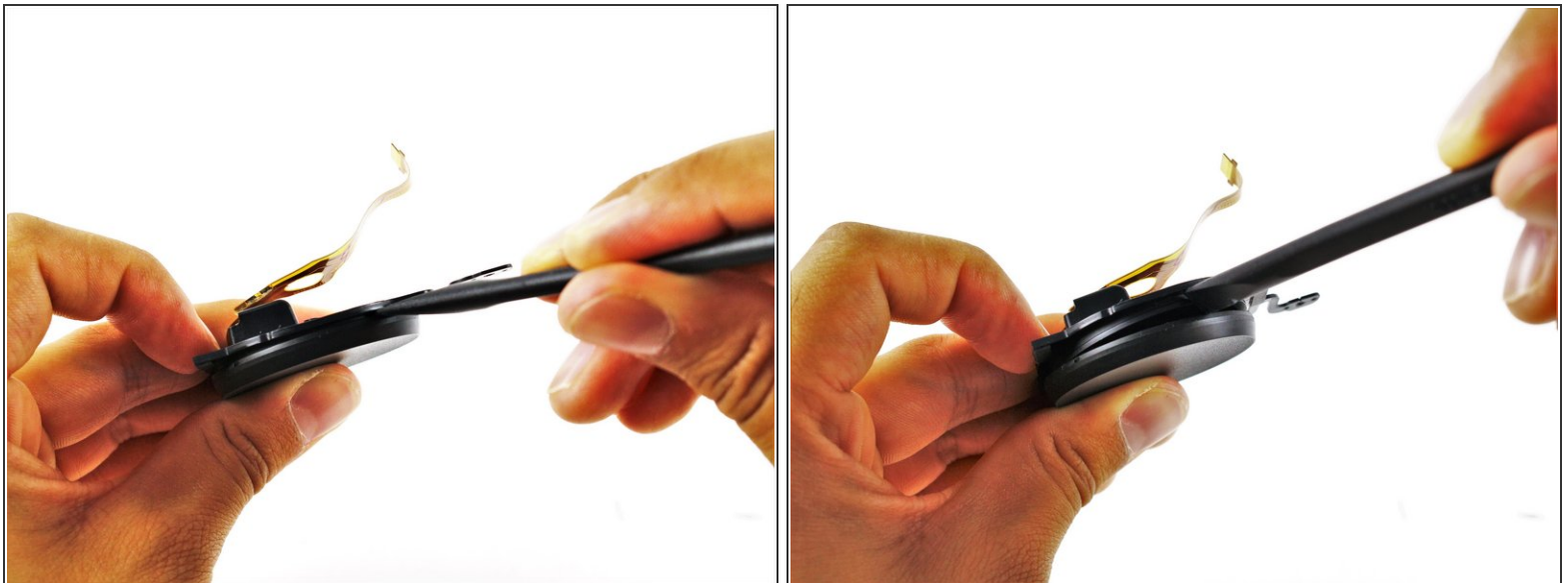
- Use the nylon spudger to lift the white tab by 90 degrees.
- Disconnect the bottom ribbon cable gently by pulling the ribbon cable down with two fingers.

Step 11 — Daughterboard



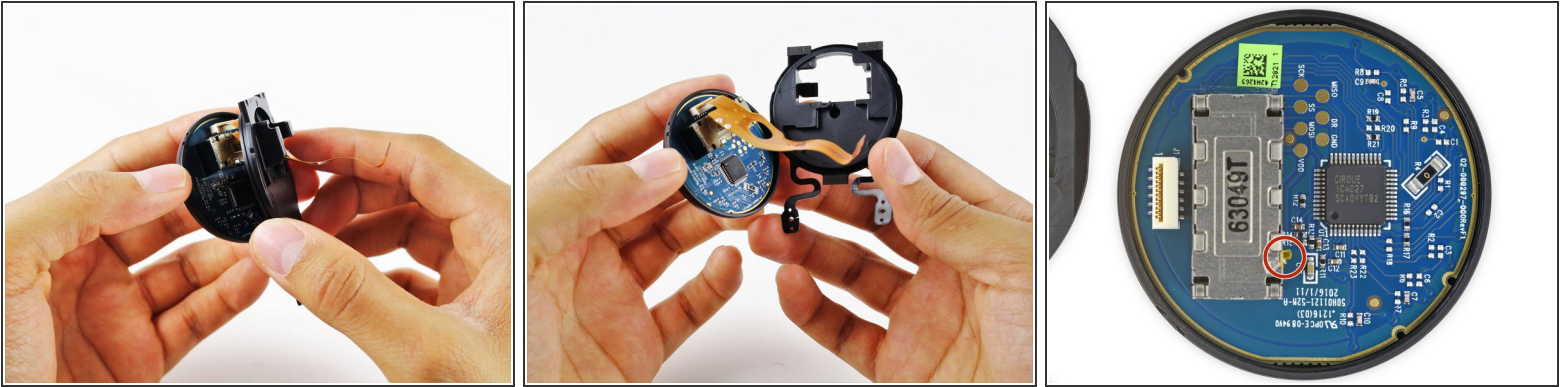
- Use the T5 Torx head screwdriver to remove the two silver 4.2mm screws from the rear portion of the trackpad.
- Lift the trackpad up and out of the panel using your hand.

Step 12



- Use the spudger and place it in the groove that lies between the trackpad and its rear cover.
- Pry open the rear panel by rotating the spudger clockwise, revealing the daughter board inside the trackpad.

Step 13



- Separate the rear cover from the daughter board using your hands.
- Be mindful of this tiny ribbon cable when reassembling with a working daughter board. It attaches to the larger ribbon cable, and it will break off if the larger cable is pulled away from the vibration motor.

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