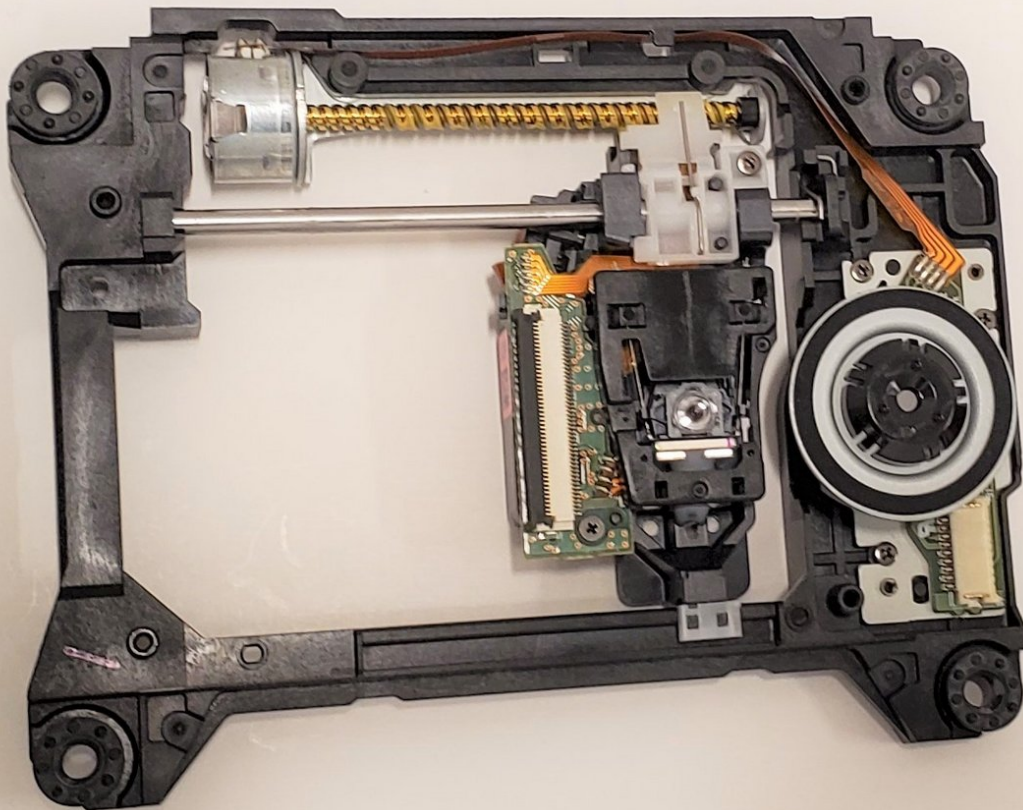# Sony BDP-BX510 Disk Reader Replacement

This guide will help you replace your damaged Disk Reader in your Sony BDP-BX510.

Written By: Tae (Tim) Im

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INTRODUCTION

In the situation that your disk reader is not working despite trying the solutions on the troubleshooting page, you may need to replace it . This guide will provide you with the steps required to safely remove your disk reader for replacement. The tools that are needed include a Phillips #2 screwdriver, Phillips #0 screwdriver, tweezers, and metal spudger.
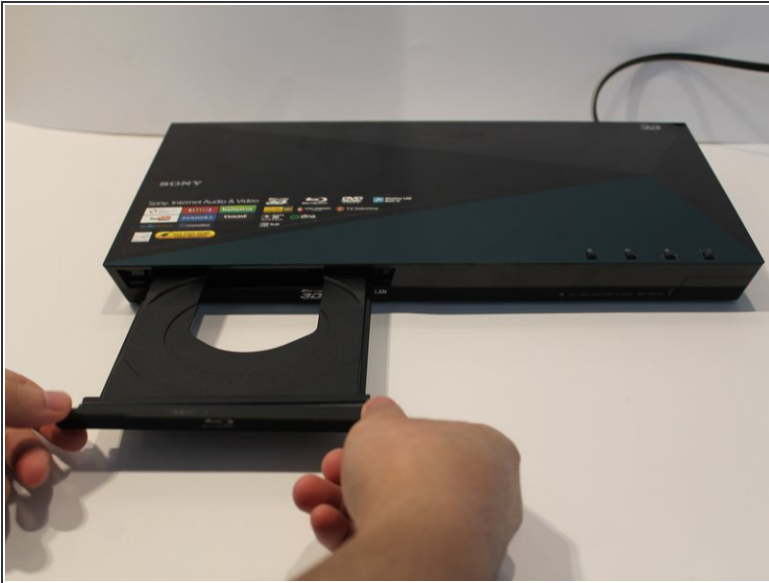
🔧 TOOLS:

- Phillips #0 Screwdriver (1)
- Phillips #2 Screwdriver (1)
- Tweezers (1)
- Metal Spudger (1)

Step 1 — Outer Cover

- Plug in the device to turn it on, then press the eject (⏏) button to open the tray.
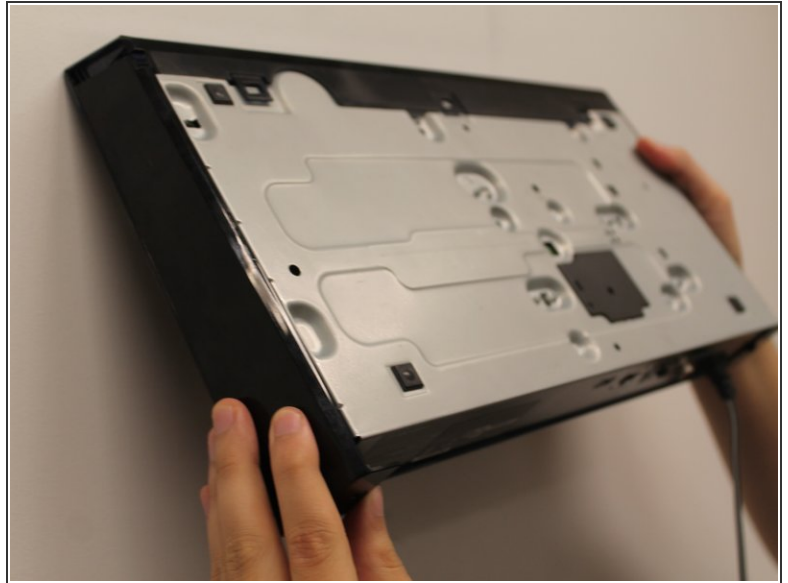
Step 2

- To remove the tray cover, hold both sides of the tray cover and gently apply a downward pressure.

- Apply slightly more pressure to the left side until it unhooks then unhook the right side.

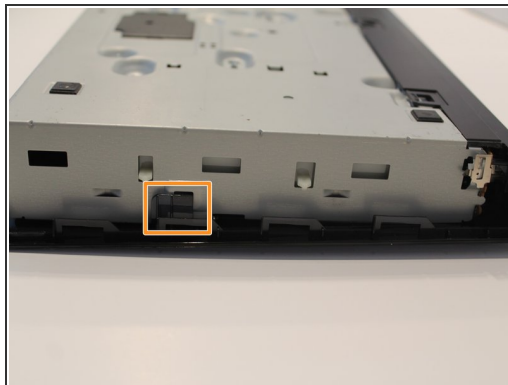- Close the disk tray by pressing the eject button again, then power off the device and unplug it.
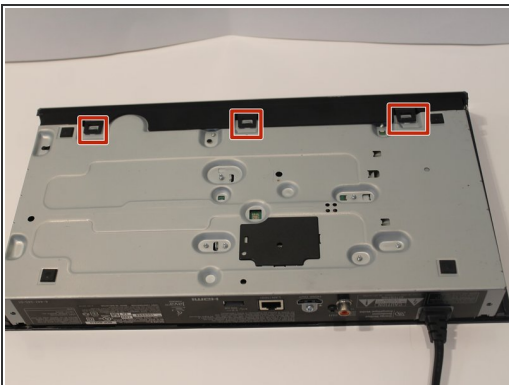
⚠ Do not use too much force to remove the tray cover as you may break it.
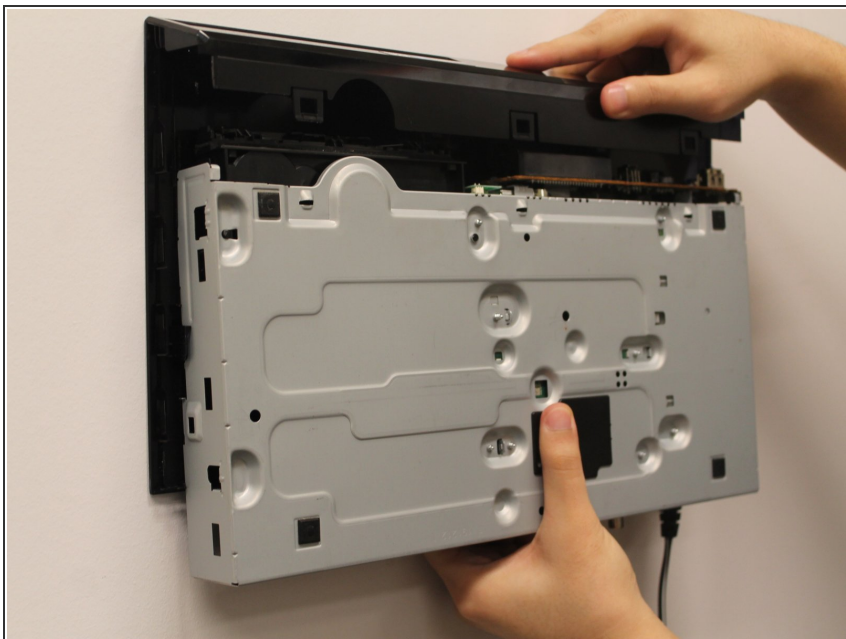
Step 3

- Turn to the back of the device.

- Remove the two 7mm Phillips #2 screws.

- Slide the two plastic covers on both sides of the device towards the back of the device to remove them.

Step 4

- Turn the device so you can see the bottom.

- Unclip the three black plastic clips on the bottom of the device.

- Unclip one clip on each side of the device.

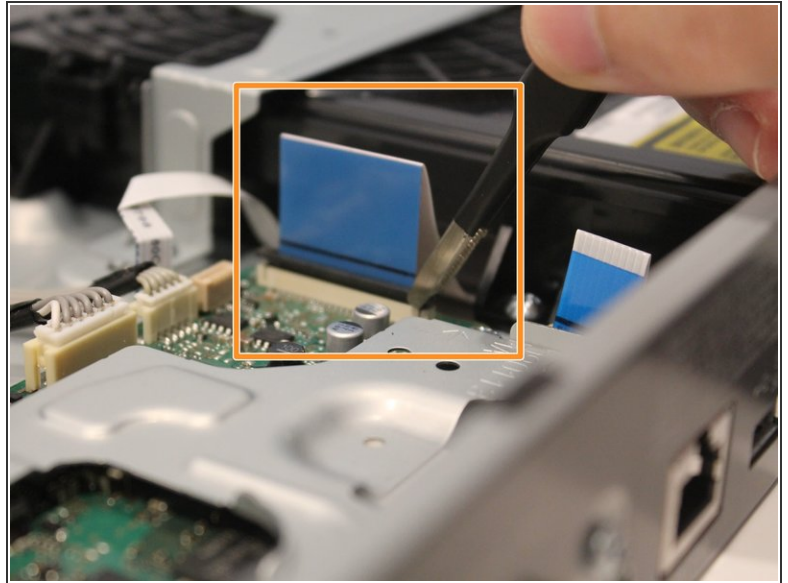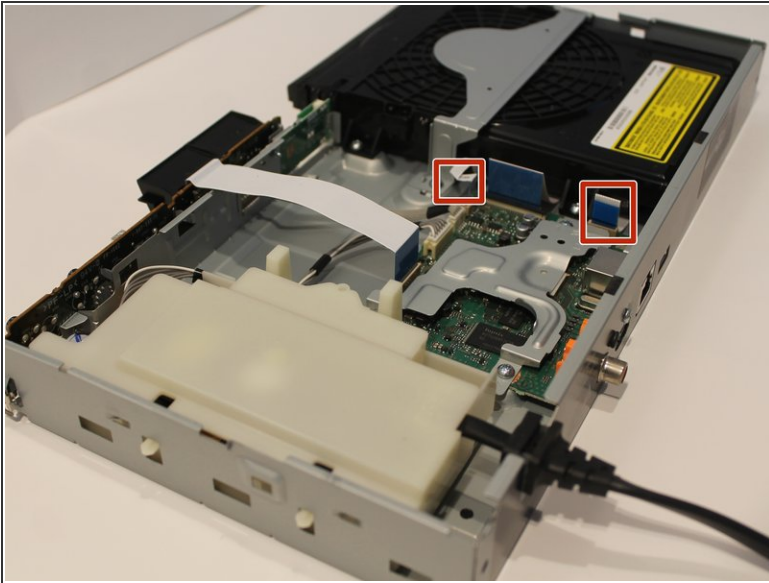This document was generated on 2021-02-28 04:03:42 PM (MST).

Step 5
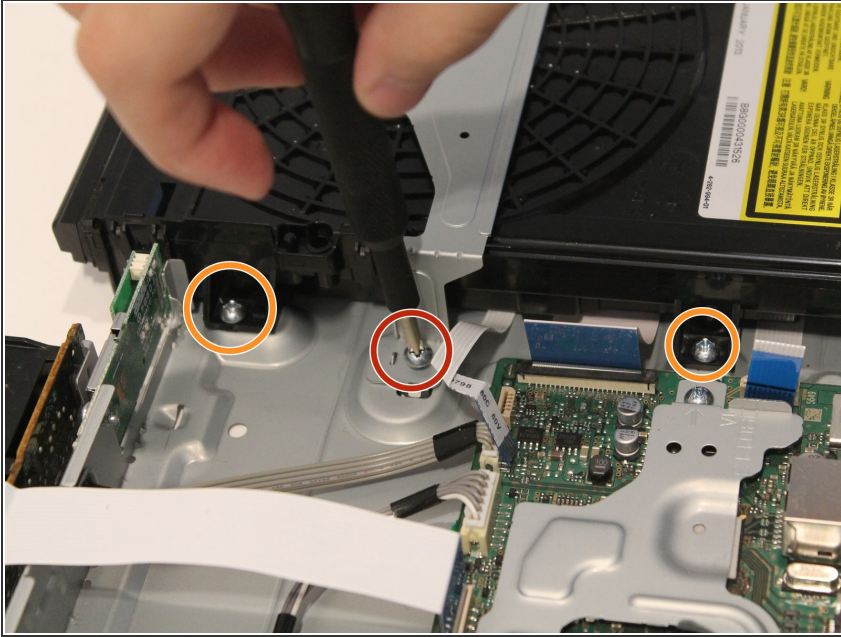

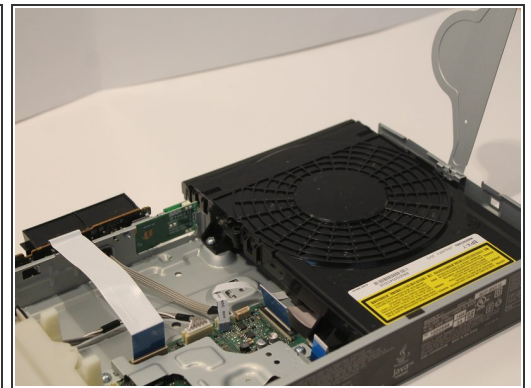- Slide the cover forward to remove.
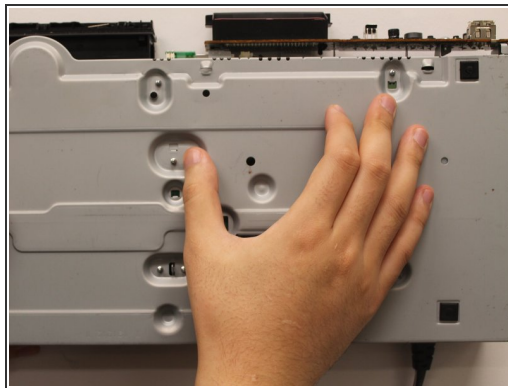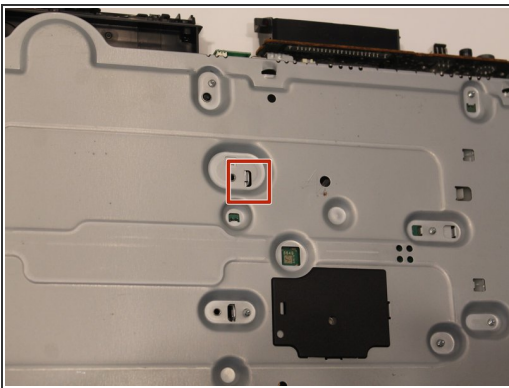
Step 6 — Disk Tray

- Pull the medium-sized 9 pin ribbon cable and the small 5 pin ribbon cable out of their connector in the motherboard.

- Using tweezers, lift the black tab on the connector of the large 45 pin connector on the motherboard.

- Pull the large 45 pin ribbon cable out of the connector in the motherboard.

⚠ Be very careful. The goal is to slightly lift the pin connector, not to completely detach it. Do not forcibly pull.

Step 7

- Remove the 5mm Phillips #2 screw holding the metal brace above the disk tray.

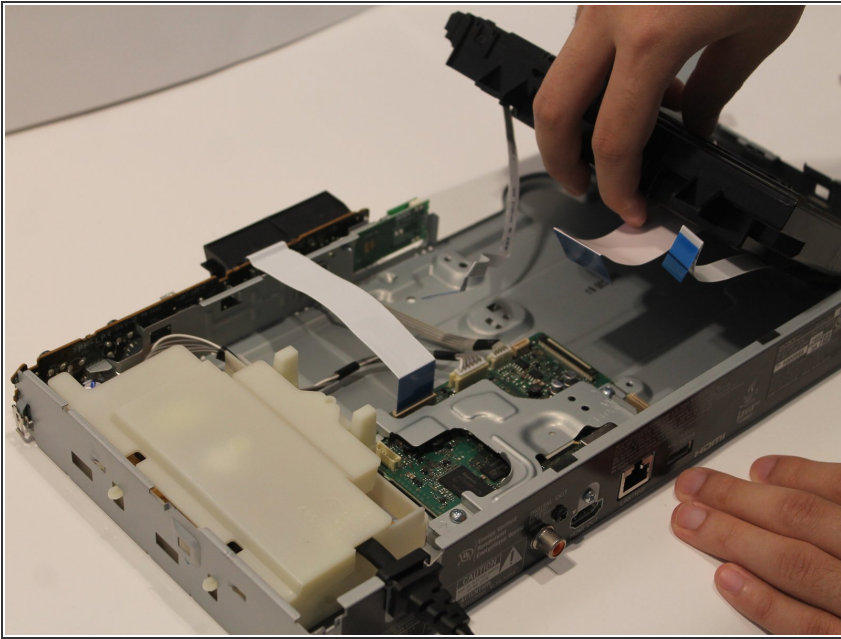- Remove the two 5mm Phillips #2 screws that hold the disk tray to the metal case on the bottom.

Step 8

- Turn the device over to the backside.

- Use tweezers or hands to take off the metal clasp for the metal brace near the center on the bottom of the device.
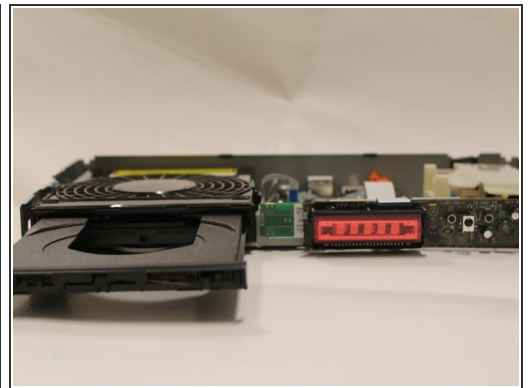
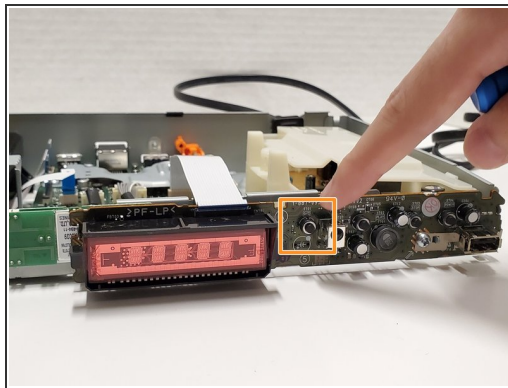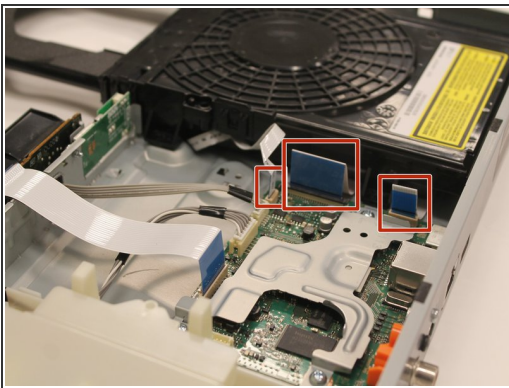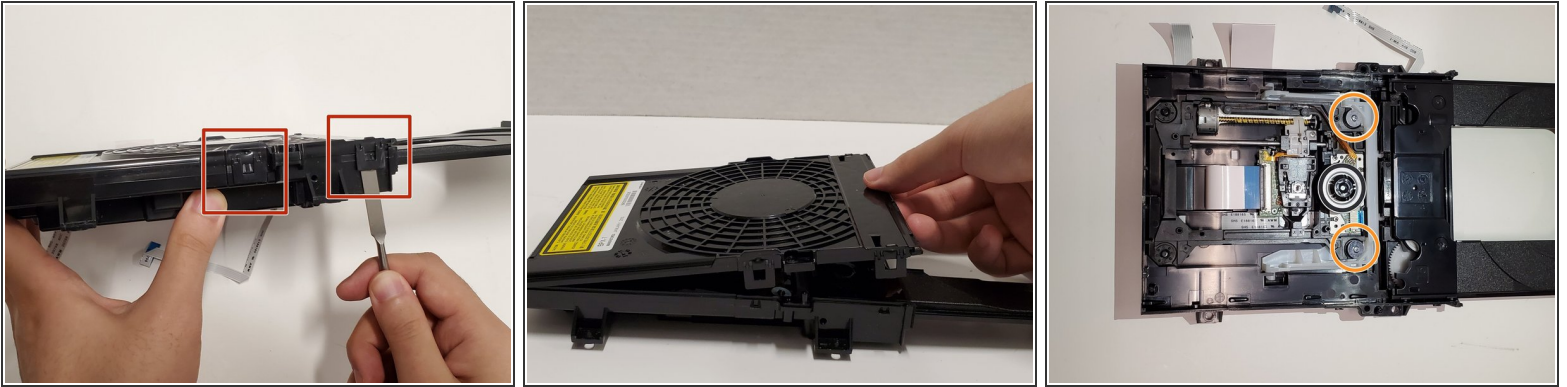This document was generated on 2021-02-28 04:03:42 PM (MST).

Step 9

- Remove the metal brace then remove the disk tray.
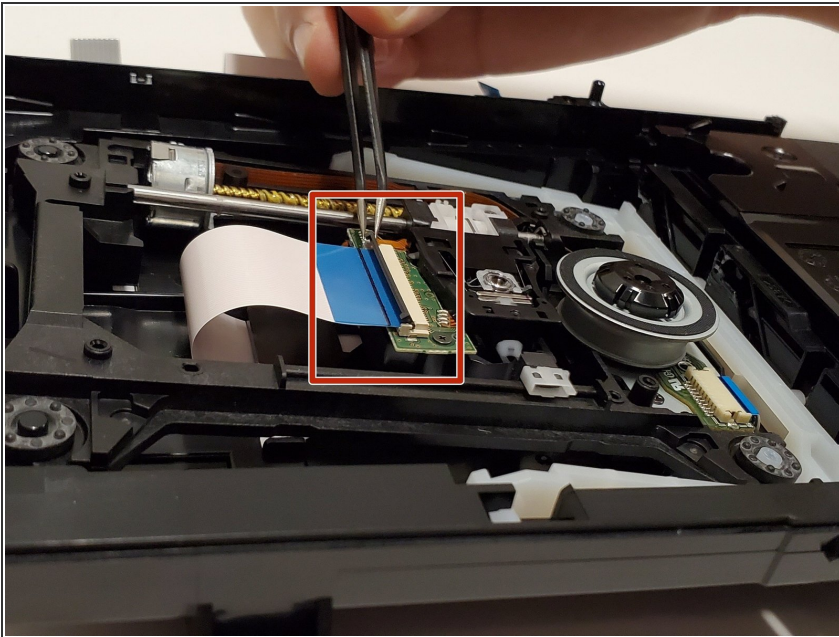
Step 10 — Disk Reader

- Connect the three cables.

- Plug the device in and press the eject button to open the disk tray.

- Unplug the device.
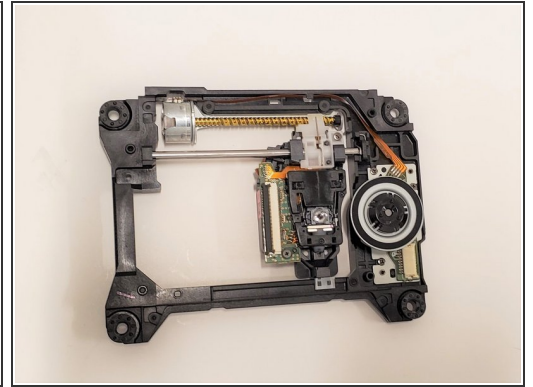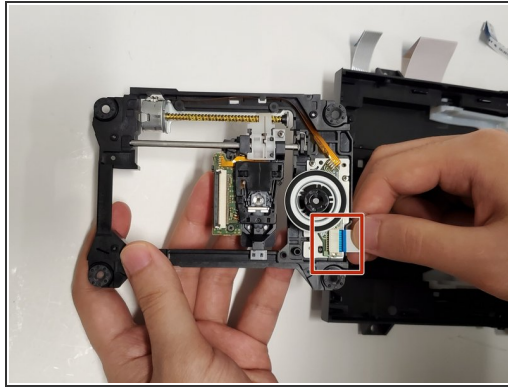
- Disconnect the three cables.

Step 11

- Locate and unclip the plastic clips on the sides of the disk tray using a metal spudger. There are two on each side of the disk tray.

- Lift open and remove the top cover of the disk tray.

- Remove the two 6mm Phillips #0 screws from the disk reader.

Step 12

- Using tweezers, lift the black tab on the connector of the large ribbon cable on the disk reader.

- Pull the large ribbon cable out of the connector in the disk reader.

- ⚠️ Do not forcibly pull out the large ribbon cable as you could damage it. Once the black tab is lifted it should come out easily.

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Step 13

- Lift the disk reader carefully.

⚠️ Do not lift the disk reader roughly as there is small cable attached to it.

- Pull the small ribbon cable out of the disk reader.

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

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