



HP 15-ay052nr USB Port Replacement

How to replace a HP 15-ay052nr USB port.

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INTRODUCTION

This is a guide on removing and replacing an additional USB port that is not attached to the motherboard. The other USB ports that are on the motherboard have to be replaced with a new motherboard or with advanced soldering skills.

TOOLS:

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

Step 1 — Battery



⚠ To protect the device and yourself, make sure your device is completely powered down before disassembling. Disconnect all external devices before starting any tear down process.

- Turn the device and lay it upside-down on a flat surface so the base of the computer is facing upwards.

Step 2



- Identify the two (2) sliding lock mechanisms on either side of the battery and slide them towards the center.
 - i*** The sliders are located at the back of the device on the side where the display hinges are.
 - i*** The slider closest to the optical drive (CD reader) clicks open but the opposite slider has a spring.

Step 3



- Pull the battery slightly up and out to remove.

(i) If the battery doesn't pop out, the sliders weren't pushed in far enough. Push the sliders towards the center until the battery pops out.

Step 4 — Bottom Cover



- Remove the rubber feet on the bottom of the device to access all the screws.

(i) There are two rubber feet, one on each side of the battery compartment.

Step 5



- Unscrew the twelve 9 mm JIS #0 screws on the back of the device.
- Gently remove the optical drive (CD reader) to more easily separate the base.

Step 6



- Unclip the keyboard surface from the base using an iFixit opening tool around the entire border.

Step 7



- Separate the base of the computer from the component assembly.

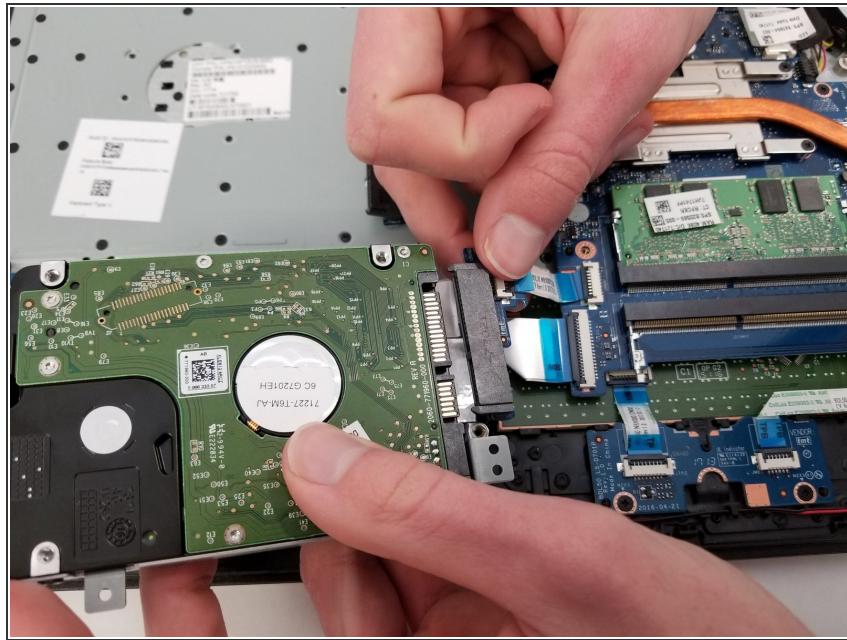
(i) The optical drive can be placed in the base where it corresponds to prevent misplacing it.

Step 8 — USB Port



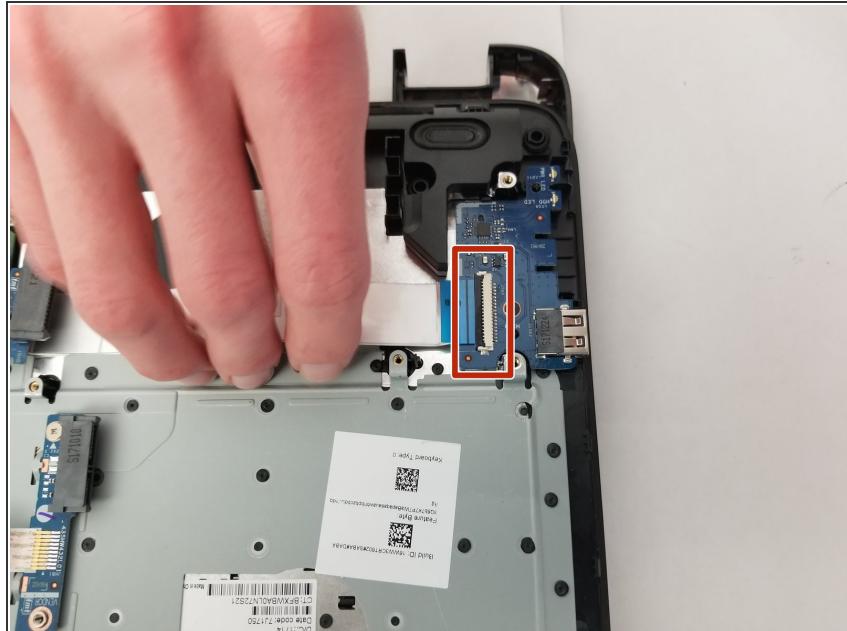
- Remove the three 3mm JIS #0 screws from the hard drive.

Step 9



- Unplug the hard drive and set aside.

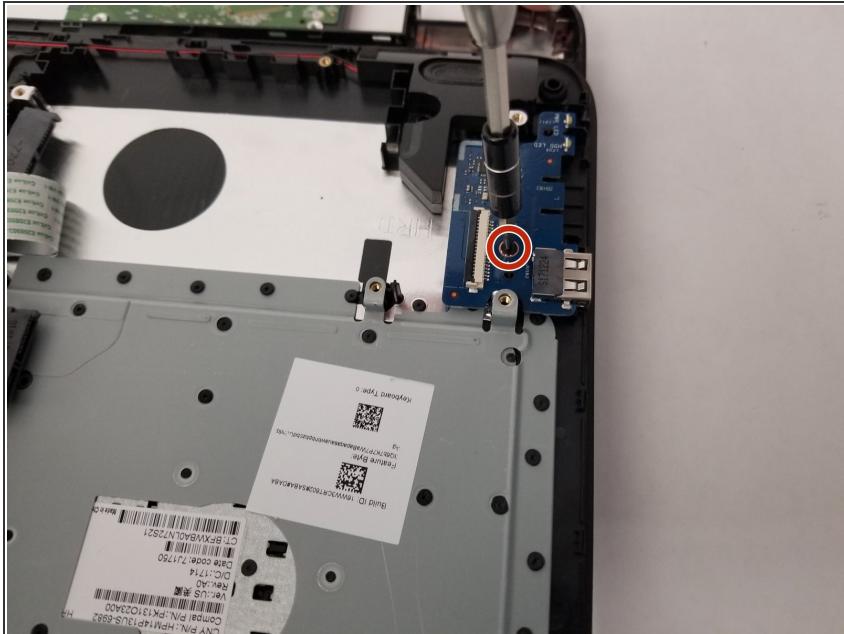
Step 10



- Disconnect the cable that is attached to the motherboard from the USB board.

i The motherboard can be identified as the big blue board in the opposite side of the USB board we are replacing.

Step 11



- Remove the single 3mm JIS #0 screw.

(i) Once the screw is out, the USB board can be pulled out for replacement.

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