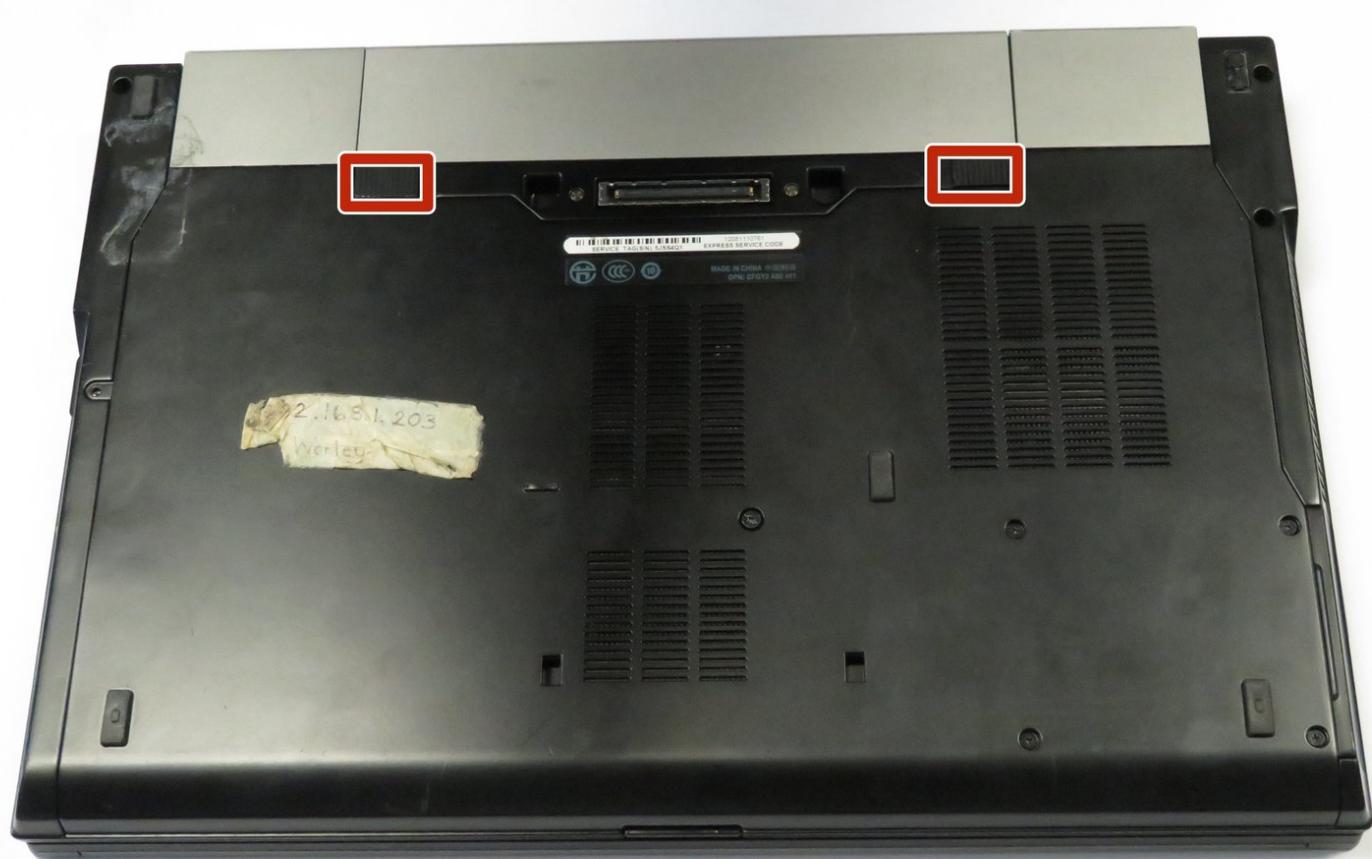




# Dell Latitude E6510 USB Ports Replacement

this guide shows how to replace the USB ports on the dell latitude E6510.

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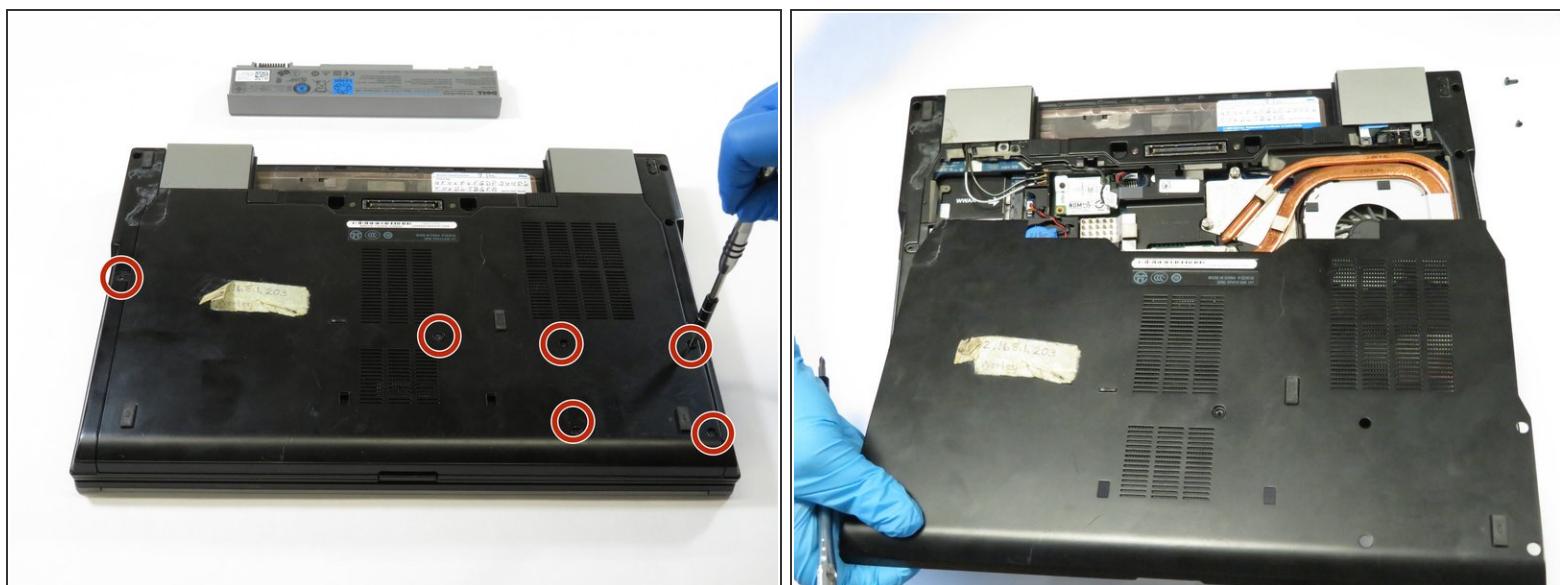


## Step 1 — Fan



- Slide the two black clips toward the middle to release battery

## Step 2



- Remove the back plate from the back of the device
- Remove the 6 screws with the J1 screwdriver.
- once the screws are out, slide back panel towards front of the device and lift up

## Step 3



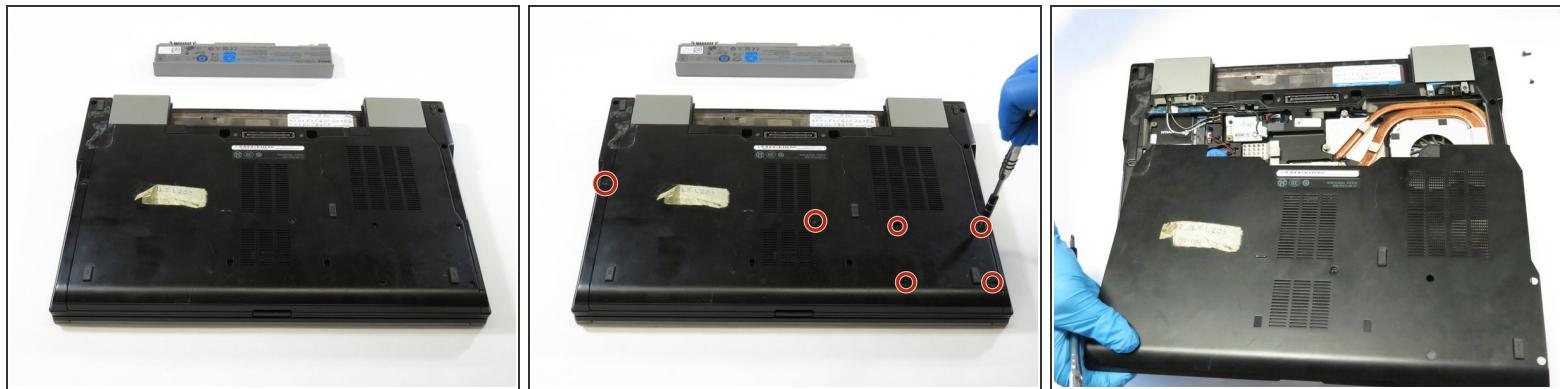
- Remove two screws holding the fan
- Slide from under copper heat sink
- Unplug connector and remove
- To reassemble, follow directions in reverse

## Step 4 — USB Ports



- remove battery by sliding two buttons to unlock.
- pull battery out.

## Step 5



- use the philips J1 head.
- remove 6 screws as marked on picture.
- slide back plate to the front of laptop and remove.

## Step 6



- press button on side of optical drive to release pull tab.
- pull out optical drive.
- pull out hard drive on opposite side of device.

## Step 7



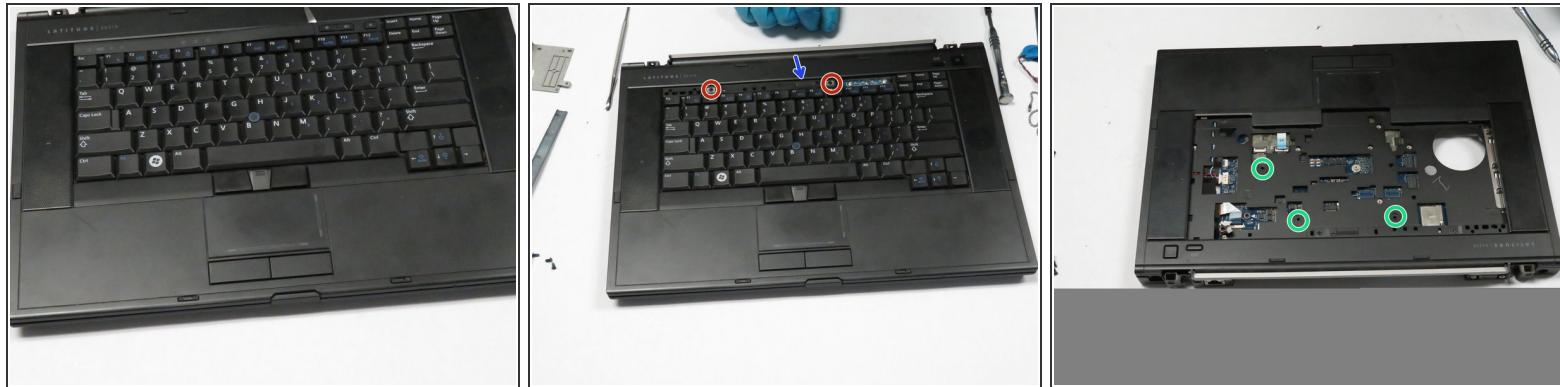
- unscrew two screws holding fan.
- slide from under copper heat sink.
- unplug connector and remove.

## Step 8



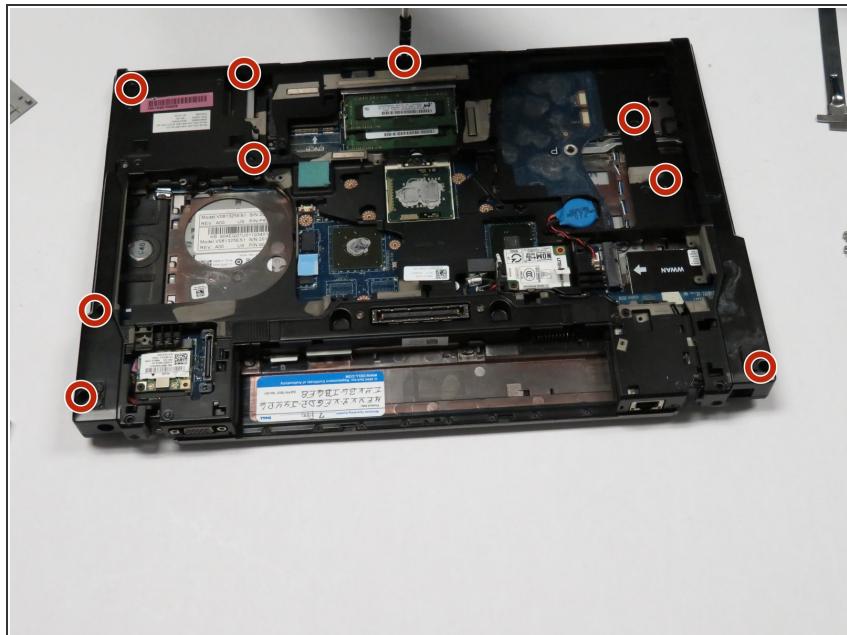
- Unscrew copper heat sink 7 screws in total.
- lift heat sink and slide out to remove.

## Step 9



- to remove chases to get to USB ports.
- using a spudger remove volume bar above the keyboard.
- unscrew 2 screws.
- lift keyboard membrane slightly by tab and slide the keyboard towards the screen to remove.
- unscrew 3 screws.

## Step 10



- unscrew remaining 8 screws holding down the chassis to get to the usb ports.

## Step 11



- remove USB port by using a soldering iron to take out the connections on either side of the USB port.

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