



# Lenovo ThinkPad Edge E420s Glass Screen Replacement

Replace your screen in order to restore functionality to your Lenovo Thinkpad Edge E420s.

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## INTRODUCTION

If you need to replace the screen, use this guide to access and remove the screen on this device. For this guide you will need a plastic opening tool, a Phillips #0 and Phillips #00 screwdriver. This repair may be needed either as a prerequisite to replacing other parts or in order to fix issues such as frequent, but irregular crashes, error messages, or disappearing or scrambled files.

## TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)

## Step 1 — Hard Drive



**⚠** There is no external access to the battery. Please make sure the battery has been drained or disabled through BIOS before beginning.

- Flip the device over.

## Step 2



- Use a Phillips #00 screwdriver to remove one M2 x 3mm screw from the side of the device.

## Step 3



- Swing the cover out slightly like a hinge.
- Pull the cover directly away from the case towards the base of the laptop.
- Lift the cover up and away from the device to remove it.

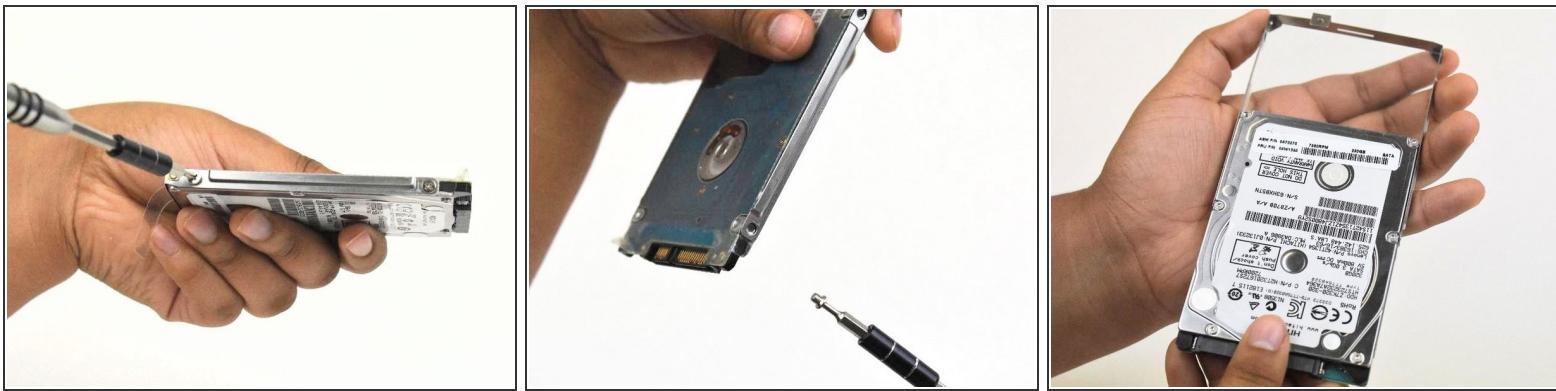
*(i)* You may hear a slight pop when you pull the cover off.

## Step 4



- Use the clear tab to slide the hard drive out of the device.

## Step 5



- To replace the hard drive, remove the four M2 × 4mm wafer-headed screws on the sides of the hard drive case using a Phillips #00 screwdriver.
- Slide the old hard drive directly out.

*(i)* When reassembling, make sure the hard drive is securely in the case before beginning.

## Step 6 — Top Case



- Use a Phillips #0 screwdriver to remove eight M2 × 3 mm screws near the front opening and scattered across the bottom of the laptop.
- Remove three M2x3 mm screws using a Phillips #00 screwdriver from the base of the laptop near the opening.

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## Step 7



- Remove the M3 x 2mm screw from the hole left by the hard drive using a Phillips #00 screwdriver.

## Step 8



- Flip over the device.
- Open the device normally.

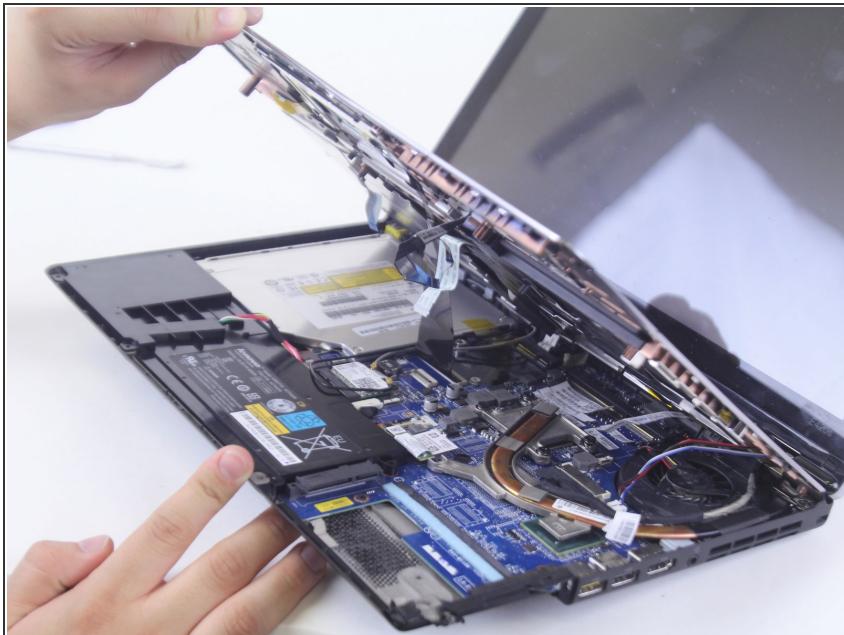
## Step 9



- Wedge the plastic opening tool between the upper and lower halves of the lower case.
- Lift the end of the opening tool slowly until the case separates.

**i** Hearing a small popping or cracking noise during this step is normal

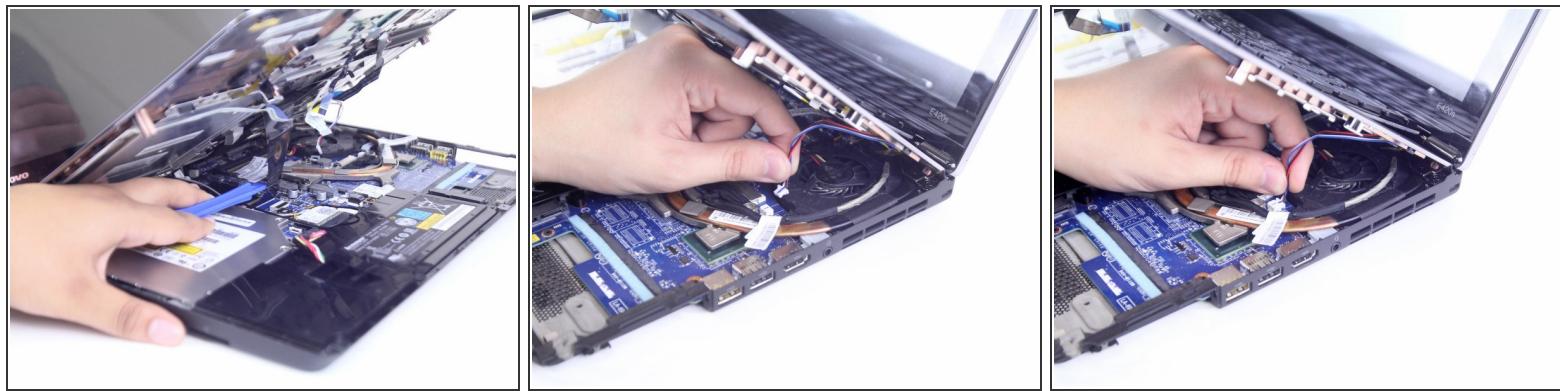
## Step 10



- Lift the upper half of the case up slowly.

**⚠** Be sure not to yank any of the wires connected to the case as this could damage them.

## Step 11



- Locate and disconnect the 4 ribbon wires from the top case.
- Locate and disconnect the two additional connecting wires.

 Some wires may be connected by a clamp. In order to remove the clamp, press upwards on the lever attached to the connector

 Be careful to not yank on the wires when disconnecting them as they are easily damaged.

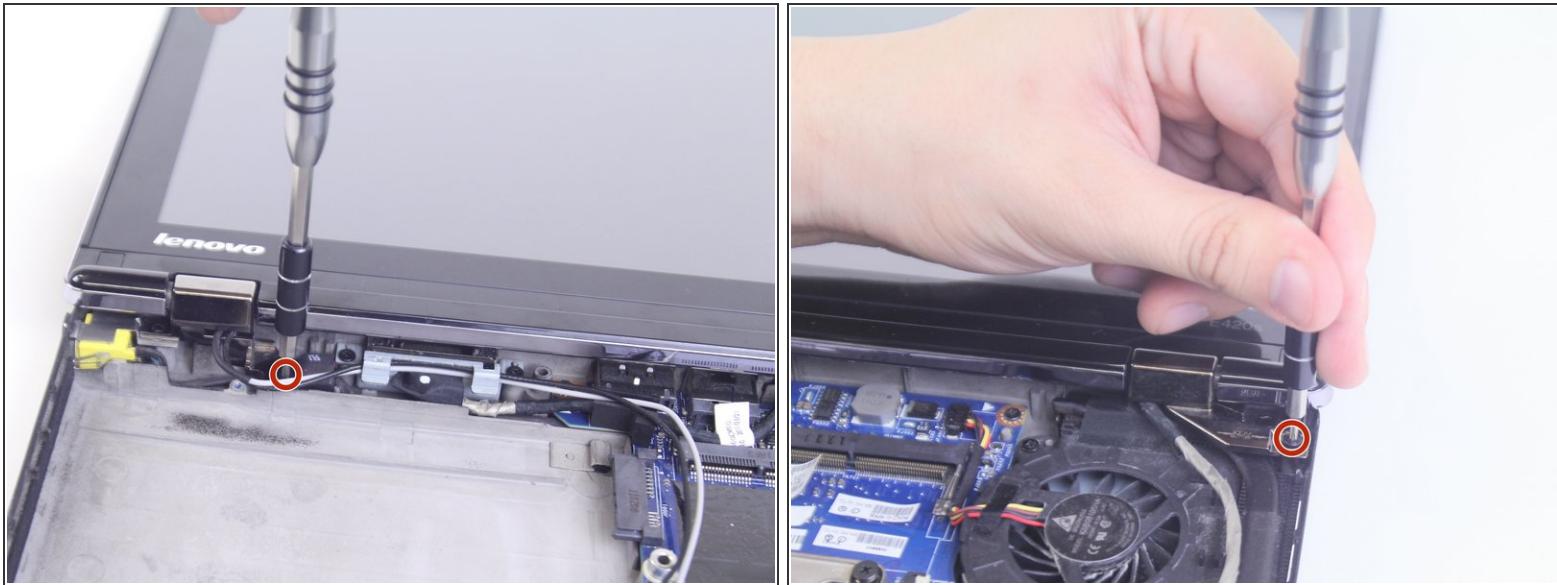
## Step 12



- Lift the unattached case away from the device and place it to the side.

 When reassembling ensure that all parts of the case are properly aligned.

## Step 13 — Glass Screen



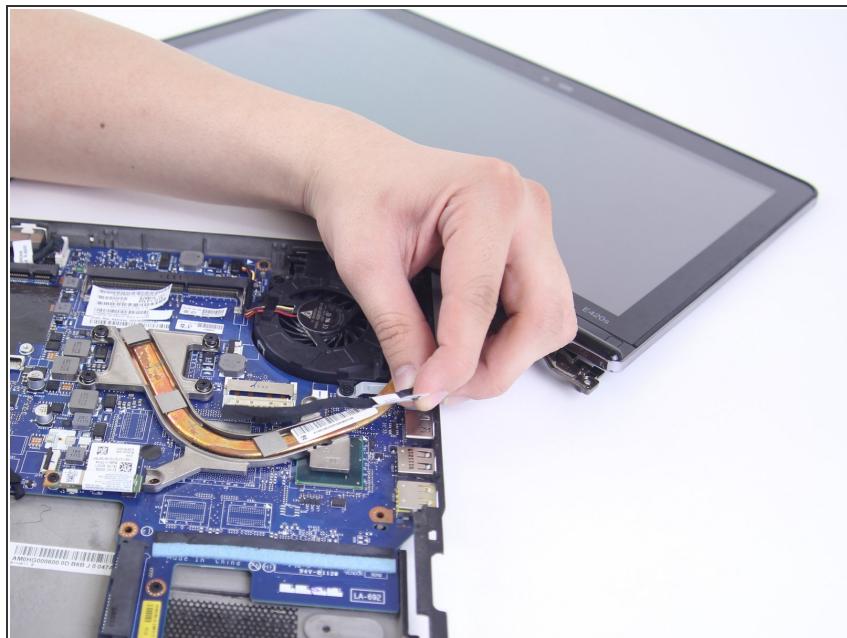
- Unscrew the two M2 x 3mm screws near the hinges using a Phillips #00 screwdriver.

## Step 14



- Slide the black and grey wires out from underneath the plastic tab with the plastic opening tool.
- Disconnect the black and grey wires connecting the screen and the motherboard.

## Step 15



- Pull out the fabric covered wire connecting the Screen to the motherboard underneath the cooling fan.

 Make sure to pull parallel to the slot the wire is connected to, otherwise you may damage or completely break it.

## Step 16



- Lift the screen away from the device.

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