

Microsoft Surface Book Screen Replacement

Follow this guide to remove or replace the...

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INTRODUCTION

Follow this guide to remove or replace the screen on your Microsoft Surface Book.

If the glass is cracked, tape across the entire screen with packaging tape to keep the glass together. You can get leverage by using the speaker grill openings as an entry point and the back of the LCD for more strength (since the glass will just shatter if it's already cracked).

🖌 TOOLS:

Tweezers (1) iOpener (1) iFixit Opening Picks (Set of 6) (1) Suction Handle (1) Anti-Clamp (1)

🌣 PARTS:

Surface Book 1/2 13.5" Screen (1)

Step 1 — Screen



- <u>Heat an iOpener</u> and lay it on the bottom edge of the screen to soften the glue securing it.
 - (*i*) You can also use a <u>hair dryer</u> or <u>heat gun</u>, but be careful as extreme heat can damage the screen and/or battery.

Step 2 — Anti-Clamp instructions



(i) The next three steps demonstrate the <u>Anti-Clamp</u>, a tool we designed to make the opening procedure easier. **If you aren't using the Anti-Clamp, skip down three steps for an alternate method.**

(i) For complete instructions on how to use the Anti-Clamp, <u>check out this guide</u>.

- Pull the blue handle backwards to unlock the Anti-Clamp's arms.
- Place an object under your Surface Book so it rests level between the suction cups.
- Position the suction cups near the middle of the bottom edge—one on the front, and one on the back.
- Hold the bottom of the Anti-Clamp steady and firmly press down on the top cup to apply suction.
 - (i) If you find that the surface of your device is too slippery for the Anti-Clamp to hold onto, <u>use tape</u> to create a grippier surface.



- Pull the blue handle forward to lock the arms.
- Turn the handle clockwise 360 degrees or until the cups start to stretch.
- Make sure the suction cups remain aligned with each other. If they begin to slip out of alignment, loosen the suction cups slightly and realign the arms.



- Wait one minute to give the adhesive a chance to release and present an opening gap.
- If your screen isn't getting hot enough, you can use a hair dryer to heat along the bottom edge.

(i) For complete instructions on how to use a hair dryer, <u>check out this guide</u>.

- Insert an opening pick under the screen when the Anti-Clamp creates a large enough gap.
- (i) If the Anti-Clamp doesn't create a sufficient gap, apply more heat to the area and rotate the handle clockwise half a turn.

⚠ Don't crank more than a half a turn at a time, and wait one minute between turns. Let the Anti-Clamp and time do the work for you.

• Skip the next step.

Step 5 — Insert an opening pick



- In the adhesive securing the screen is very strong. This step may take significant force and multiple attempts.
- Apply a suction handle to the screen, as close to the center of the bottom edge as possible.
- Pull up on the suction cup with strong, steady force to create a gap between the screen and the frame.
 - If you have trouble creating a gap, apply more heat to further soften the adhesive.
 Follow the <u>iOpener</u> instructions to avoid overheating.
- Insert an opening pick into the gap.



- Use the pick to slice all the way around the perimeter of the screen to separate the glue.
- ⚠ Do not insert the opening pick too far into the screen or you may cause damage to internal components.
- Gently raise the screen but don't fully detach it until the cables underneath are disconnected.

Step 7



• Begin by removing the ribbon on the right. With the curved tweezers, carefully remove the metal bracket to expose the end of the ribbon. Remove ribbon.



- Next, remove the metal shield covering the other ribbon. Then remove the ribbon.
- Remove the screen.

Compare your new replacement part to the original part—you may need to transfer remaining components or remove adhesive backings from the new part before installing.

To reassemble your device, follow the above steps in reverse order.

Take your e-waste to an <u>R2 or e-Stewards certified recycler</u>.

Repair didn't go as planned? Check out our <u>Answers community</u> for troubleshooting help.