



Xbox Series X Fan Replacement

Use this guide to replace a faulty cooling fan...

Written By: Carsten Frauenheim



INTRODUCTION

Use this guide to replace a faulty cooling fan in an Xbox Series X. You can also follow this guide to remove a dusty or dirty fan to clean it out.

Before you begin, completely **power down and unplug all cables** from your console. Remember to follow general electrostatic discharge (ESD) safety procedures while repairing the console.

TOOLS:

[TR8 Torx Security Screwdriver](#) (1)
[Spudger](#) (1)
[ESD Safe Blunt Nose Tweezers](#) (1)
[Tweezers](#) (1)
[iOpener](#) (1)
[Hair Dryer](#) (1)

PARTS:

[Xbox Series X Fan](#) (1)

Step 1 — Uncover the back panel screws



 Before you begin, completely power down and unplug all cables from your console.

- Use a pair of tweezers to remove the sticker hiding the first screw on the back panel, near the base.

Step 2



- ① For cleaner removal, use an [iOpener](#) or [hair dryer](#) to heat the sticker.
- Use a pair of tweezers or a sharp blade to peel up a corner of the large sticker on the back panel. Use your fingers to peel it farther, just enough to reveal the second screw.
- ① You only need to peel this sticker to where you can access the hidden screw. You don't need to pull it completely off.
- ① Technically, these are tamper-evident stickers, but don't worry—[Microsoft can't legally void your warranty](#), as long as you don't damage anything. Have fun!

Step 3 — Remove the back panel screws



- Use a T8 Torx driver to remove the two 7.4 mm-long screws securing the back panel.
- ① Throughout this repair, [keep track of each screw](#) and make sure it goes back exactly where it came from to avoid damaging your console.

Step 4 — Unclip the back panel



- Insert the flat end of a spudger into the gap between the back panel and the shell, near the left side of the base.
- Pry up the back panel to release it from the locking clips.

Step 5



- Insert the flat end of a spudger into the gap between the back panel and the shell, near the right side of the base.
- Pry up the back panel to release it from the locking clips.

Step 6 — Remove the back panel



- Grip the back panel at the opening you just created and pull it up and away from the shell to unclip the long edges.

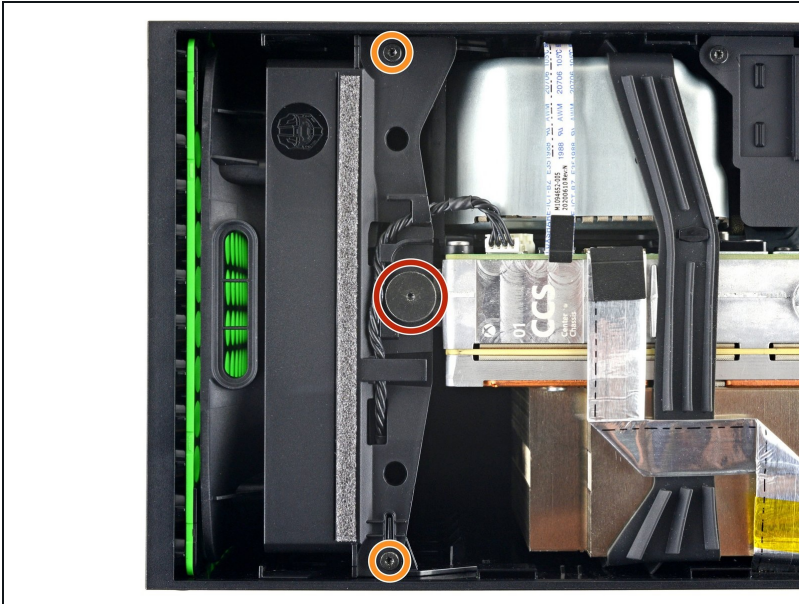
✪ During reassembly, press along the edges of the back panel to snap it into place.

Step 7



- ① The back panel slots into a gap at the top of the shell.
- Tilt the back panel up and pull it away from the top edge of the shell to release it from the gap.
- Remove the back panel.

Step 8 — Remove the fan screws



- Use a T8 Torx driver to remove the three screws securing the fan to the center chassis:
 - One 10.5 mm pancake screw
 - Two 8.8 mm screws

Step 9 — Disconnect the fan cable

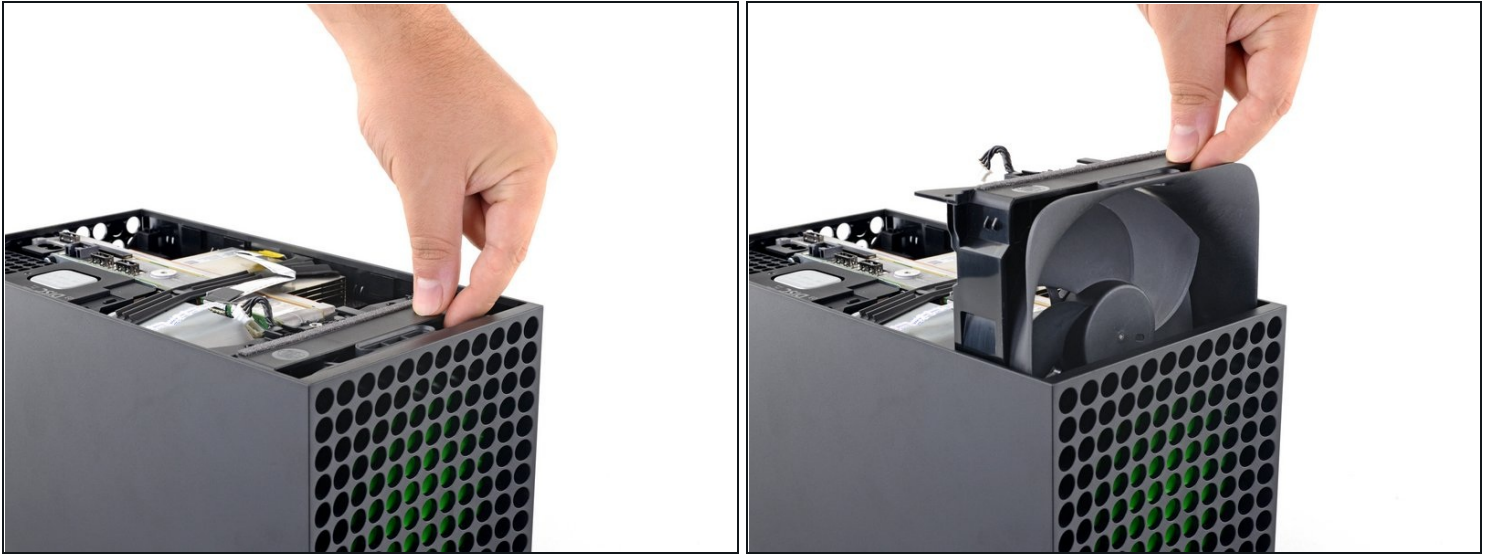


- Use your fingers or a pair of [blunt tweezers](#) to grip the edges of the fan cable connector, and pull up to disconnect it from the center chassis.

⚠ Always pull cables by their connectors and not the wires themselves.

- ☑ During reassembly, route the fan cable underneath its small cable guide on the fan housing so it doesn't interfere with the back panel.

Step 10 — Remove the fan



- Slide the fan out of its slot to remove it.
- ☑ During reinstallation, note that the fan can only be installed one way—make sure [Master Chief](#) is facing you.
- ⓘ If you're replacing the fan, a new fan might not include the plastic installation bracket, which is attached to the fan with four T10 Torx screws. This isn't pictured in this guide.

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

Take your e-waste to an [R2 or e-Stewards certified recycler](#).

Repair didn't go as planned? Try some [basic troubleshooting](#), or ask our [Xbox Series X Answers community](#) for help.