

Ender 3 v3 SE 5015 blower fan duct (Updated)

D DocEng

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Summary

5015 fan duct upgrade design specifically for Ender 3 v3 SE without any additional tools required.

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[5015blower](#) [upgradeender3](#) [ender3v3se](#) [crealityender3v3](#)

Hi, guys.

I'm new to this forum and the whole 3D printing world, but I have upgraded my first fan duct for my Ender 3 v3 SE to dual 5015, and the performance is pretty good.

The mounting hole and hook of the left-side duct are still hit or miss in my case not sure what went wrong but it can be mounted on the original housing screw hole and bracket without any problems.

Material: PETG.

Orientation: on its side with support, where it is flat. The left-side duct will take a shorter time to print. (tree support on buildplate only will be easier to remove)

Setting: wall 2-3, infill 12-20 (depends on your preference, I have tried in those ranges → no difference)

Additional tools: non (only original screw for the housing)

Noted: when installing the blower fan slight bending of the fan duct is required. When operating at high RPM a noticeable vibration will occur (still working on it).

Updated: March 2nd, 2024

Hello again guys, I have updated the right fan duct (5015 right fan duct Rev.01) with a slightly longer duct to improve the wind tunnel as a result of more uniform airflow around the nozzle. (I have tested it but forgot to record the video)

Noted: The original right fan duct is still available in case someone prefers the old one.

Other than that, it is up to you guys. Cheers!!!

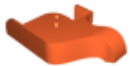
Love from Thailand.

Model files

5015-left-fan-duct-rev00.stl



5015-right-fan-duct-rev00.stl



5015-right-fan-duct-rev01.stl



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