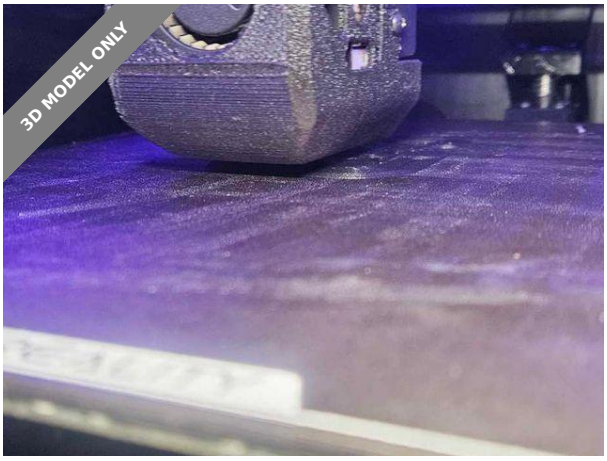

Creality K1 Improved Fan Cover 3.0

Gonzos_Gizmos

VIEW IN BROWSER

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Summary

This is my final version of this duct , and has shown even greater noise reduction than my previous models. Hi Flow Duct

3D Printers > Creality Parts & Upgrades

Tags: creality cover fan duct k1

The K1 blows air from all sides but one, the back. This was causing issues for me on the back left of the print bed, and of the prints. Especially with the stock fan duct. While it cools well stock, its not balanced properly. Print this in ASA, ABS, or any other high heat filament. The one in these pictures is Matterhackers NylonX, and is overkill but works very well. PETG works as well, but never leave the fan off when the duct sits near a hot bed for too long.

Print it the way it sits, use tree supports and increase your top Z distance to 0.3, and I recommend at least 4 walls. You can also use regular supports , just be careful with the thin sides when removing supports.

The TPU parts might need to be adjusted to fit, but should squish down a bit to create a seal from fan to duct. You DO NOT NEED the bottom fan mounting screw, and it often creates a twist in the fan that causes even more noise. Round gaskets go in between fan and duct. Thread both hex bolts through fan, then add round gaskets to hold bolts to mount. DO NOT

OVER TORQUE. If you do you will twist the fan causing it make noise when running. just barely snug, its not going to fly off. save the extra gasket and back ups. Square gasket has a peg that goes in the right but its not essential if it gives you too much trouble. Just as long as the square gasket sits in the recess and the fan sits on the gasket. Make sure you don't leave gaps.

There is space for the plug that I am assuming is for Lidar, if we ever get it on the regular K1.

Happy printing!

This remix is based on

K1 Improved Fan Cover 2.1

by Gonzos_Gizmos

Model files

k1-upgraded-fan-cover-30.stl

k1-upgraded-fan-cover-20-tpu-parts.stl

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