Creality K1 Extruder Cover with stock or pneumatic bowden fitting

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VIEW IN BROWSER

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Summary

Drop-in replacement extruder cover. 2 versions of PTFE connector available. Compatible with all extruder versions

3D Printers > Creality Parts & Upgrades

Tags: extruder creality cover bowdentube pneumatic fittings extrudercover fitting pneumaticfitting ptfecoupler pneumaticconnector ptfeconnector crealityextruder ecas04 ecas k1max crealityk1 k1extruder crealityk1extruder crealityk1max

This a drop-in replacement part for the K1 extruder cover. It's compatible with all versions of the extruder (V1, V2, V3).

I have made this cover because I wanted to be able to upgrade the extruder V1 and V2 with the most interesting feature that comes with the V3, the pneumatic PTFE tube connector.

I also added versions with the stock PTFE tube connector of the V1, V2 for those who just want to replace the cover without the need of extra hardware.

Print Settings

Material : ASA/ABS

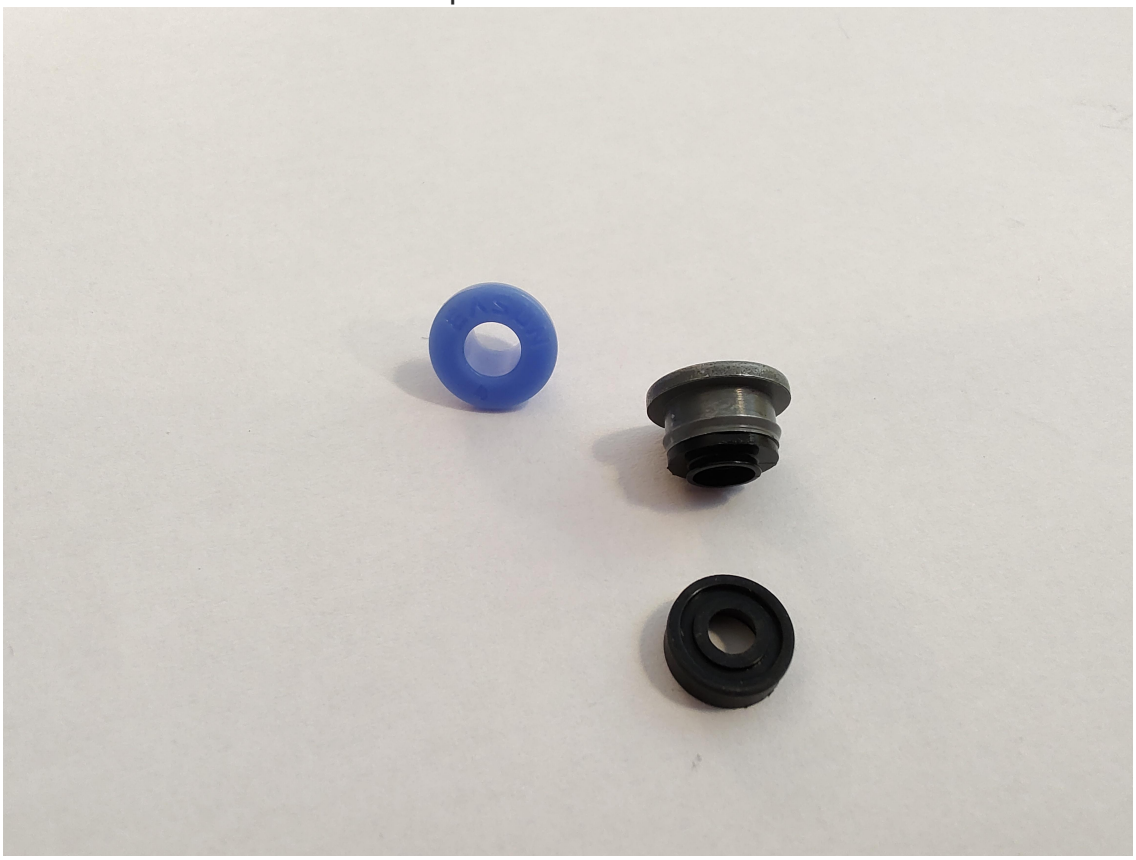
First layer height : 0.2
Layer height : 0.15
Wall count : 4
Top/bottom layer : 5
Infill : 30%
No support

Bill of material for the ECAS04 version.

1x ECAS04 PTFE tube pneumatic fitting connector. Aliexpress

How to insert the ECAS04 inside the cover

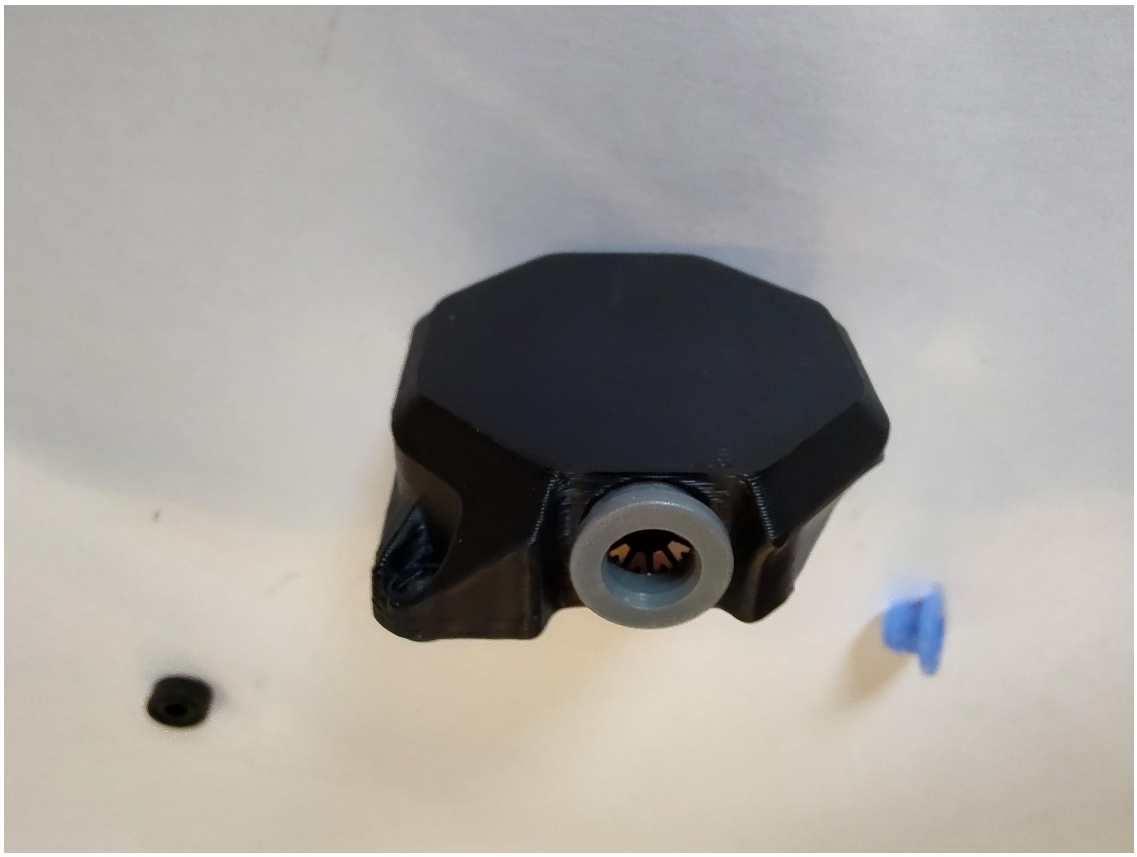
1. Remove the bottom rubber part of the ECAS04.



2. Choose something hard with a ± 10mm diameter to help you hammer down the ECAS04. (A M5 or M6 screw could be an option). I choose this :

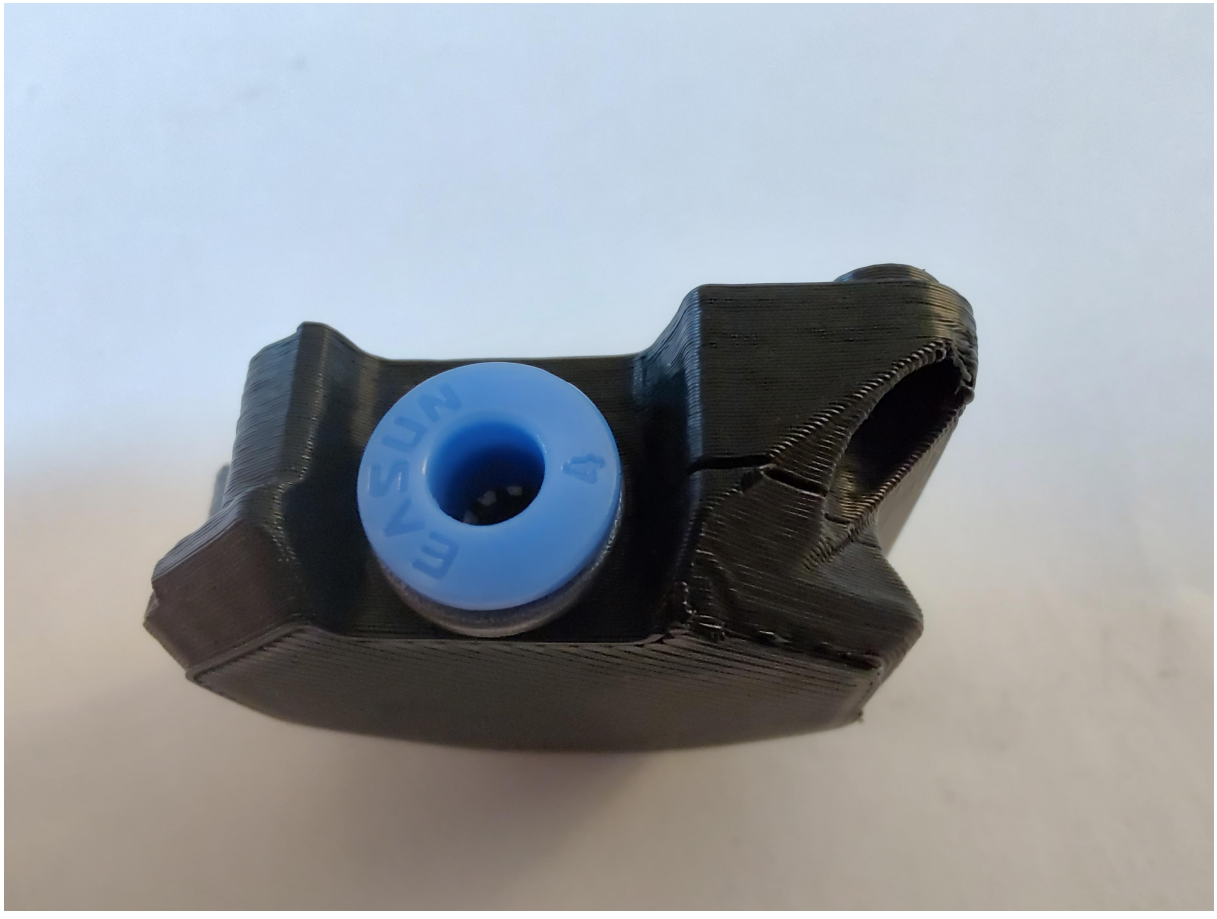
3. To avoid layer separations when insert the ECAS04, I recommend you to preheat the hole with a heat gun.

4. Place the ECAS04 in position, position the hard thing you've found on to of it. And hammer it down with a mallet or a press until the flange is resting flush on the mount



5. Insert the bleu collet clip into the ECAS04 the same way.

Troubleshooting layer separation.



If layers separates anyway after heating the hole. Check the layer adhesion of your 3D printed part with a destructive test. If the layers are separating too easily that means you have apply too much cooling during the print and or the chamber was not hot enough. Try to adjust your print settings accordingly and try again

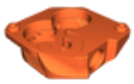
Change Log

14 November 2023
Added versions with the stock V1-V2 bowden connector.

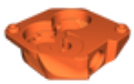
12 November 2023
First release + no pattern version added

❤ Enjoy this model? Your support means the world to me! If you love what I do, remember to like and rate the model. You can also follow me to get the latest updates.
If you wish to further help me to fuel future projects, consider buying me a coffee, I'm literally running on those! Every cup counts and is immensely valued. ☕ Cheers!

Model files



k1_extrudercover_ecas04_hexpattern.stl



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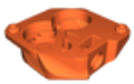

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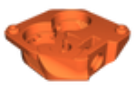

k1_extrudercover_stock_nopattern.stl

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