



Adapter plate for Prusa Advanced Filtration System

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Summary

Adapter plate to adapt Prusa Advanced Filtration System (for Original Prusa Enclosure) to IKEA Lack enclosure.



1.83 hrs



1 pcs



0.20 mm



0.40 mm



PLA



45 g



Prusa MK4

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I wanted to adapt the Prusa Advanced Filtration System, originally designed for the Prusa Enclosure, to my IKEA Lack enclosure. Since it already came with a filter bracket, I didn't want to waste filament modifying it and printing a new one. Instead, I quickly designed an adapter plate to attach it to the 'ceiling' of my Lack enclosure using Ø5 countersunk wood screws. I printed the adapter plate out of PLA because it was the only filament I had available at the moment.

To assemble, print the adapter plate, place the High-Pressure Blower into the original bracket, and attach the adapter plate to the original bracket using wood screws (I'm not sure which ones I used; I picked them from the drawer of miscellaneous hardware I have). Then, position the system in

the center back ceiling area of the Lack enclosure, mark the holes referenced to the 'exhaust side' of the original bracket, drill them with the appropriate drill size (I believe I used Ø6), and secure everything in place using Ø5x20 countersunk wood screws.

I hope someone finds this useful.

Model files



filtration_box_adapter.stl

Print files



filtration_box_adapter_04n_02mm_pla_mk4is_1h50m.bgcode

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 1.83 hrs ⚖️ 45 g 🖨️ Prusa MK4

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