

SV04 Enclosure Parts



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Summary

Budget Enclosure Parts

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Here are various parts that I modeled and printed when building my budget enclosure out of 1x2 pine boards and plastic sheeting. Not sure how it is in other countries but for reference 1x2 boards in the US are 3/4 inch by 1.5 inch.

There is a hook and latch for holding up the enclosure door, a hook stop, a latch and nub for holding the door closed when the printer is running and a gasket body and plate for entering cables through the plastic without working about tearing it.

The hook for holding the door up out of the way is spring loaded that is what the hook stop is for. It keeps the hook where it needs to be for when the door opens. The hook has an angled tip to work with the spring and catch the latch without having to fuss with it.

I've also included a couple pieces to make a gasket. I used some left over rubber membrane I had laying around from roof repairs, but I imagine even without it the gasket would work and keep the plastic from tearing.

The latch and nub is to keep the door tight at the bottom of the enclosure. This helps since I put a bit of weather stripping under the door to keep a bit more air inside the enclosure.

I've included all the fusion 360 file I used to design these pieces. Feel free to reach out if you have questions or need help tweaking anything.

Model files



enclosure-hook-stop.stl



enclosure-hook-v3.stl



latch.stl



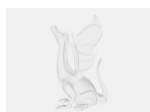
sidelatch-and-nub.stl



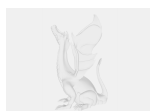
gasket-body.stl



gasket-plate.stl



sv04-enclosure-gasket.f3d



sv04-enclosure-side-latch-v1.f3d



enclose-latch-and-hook-v4.f3d

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