

Hinged Bistable switch



Gamma4D

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Summary

Older versions were less robust and could only run 40-50 cycles in PLA. However, this version is all hinged and runs...

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Older versions were less robust and could only run 40-50 cycles in PLA. However, this version is all hinged and runs over 110000 cycles in PLA.

+Nov 24,2020

I made stepv2 to make the motion smoother.

+Dec 3, 2020

Added a shaft that can be printed. For users who do not use 1.75mm filament. Works fine.

Print Settings

Printer:

delta

Rafts:

Doesn't Matter

Supports:

Yes

Resolution:

0.25

Infill:

20%

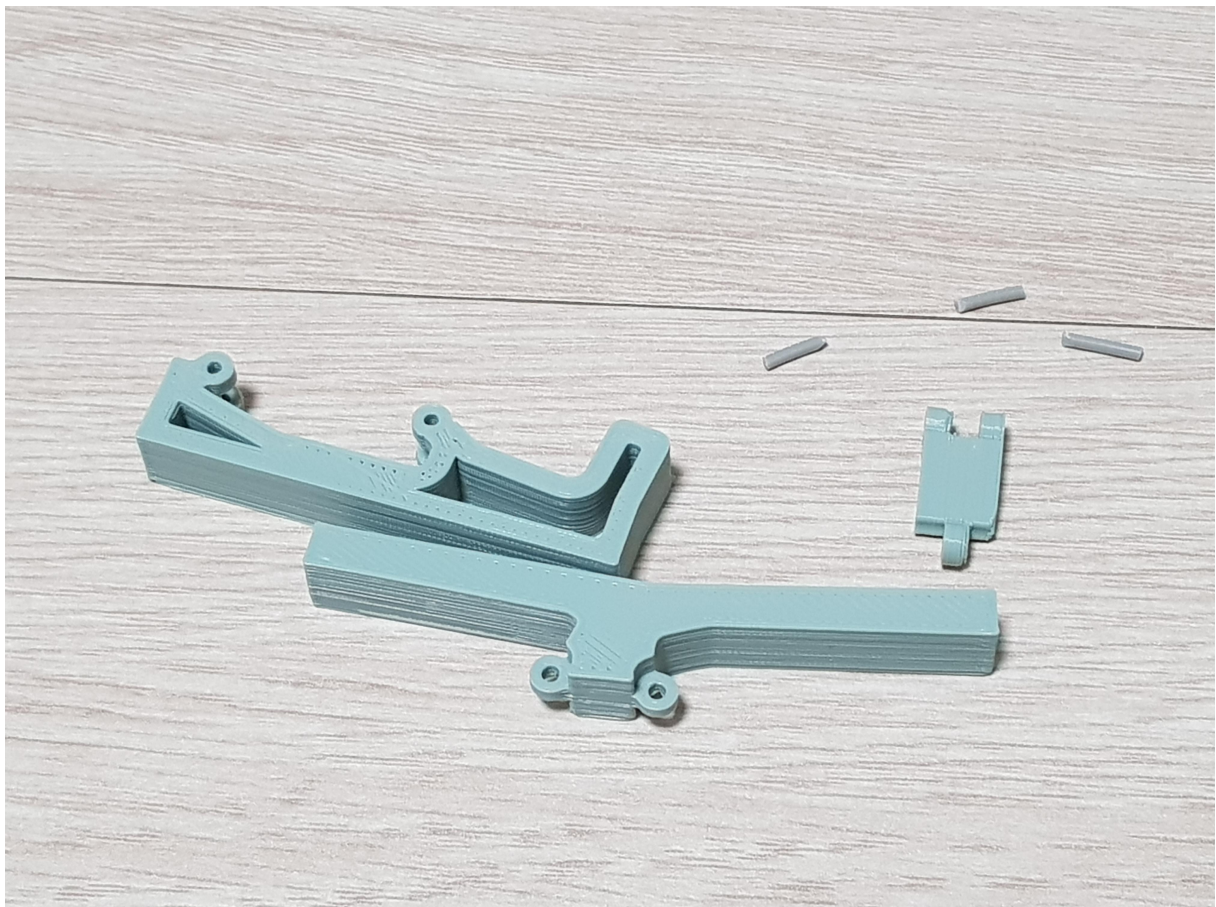
Filament:

other PLA

grey How to assemble this =====

Step 1

Remove the support for all parts. And prepare 3 filaments of 10mm length.



Step 2

Push in the filament.



Step 3

Enjoying!!



Category: Mechanical Toys

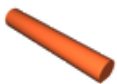
This remix is based on



Bistable Compliant Switch

by BYU_CMR

Model files



shaft.stl



switch.stl



body.stl



stepv2.stl



step.stl

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com)

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