Momentum Style Folding Picatinny Stock

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VIEW IN BROWSER

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Summary

A folding picatinny stock inspired by the stock that comes with the Momentum by Eli Wu.

Sports & Outdoor > Outdoor Sports

Tags: blaster nerf stock foldingstock picatinnystock

Overview

This is a folding stock heavily inspired by the stock included with the Momentum by Eli Wu. The Momentum's stock was never released or sold by itself to my knowledge and currently, there are no open source picatinny stocks that have free files and look like the Momentum's stock. So, I designed my own. The stock part of the stock is my own design and was designed to fit onto the folding stock bracket made by RedCowl. This folding bracket was prone to failure around the hinge though so I beefed it up a bit and refined some other details.

This new design is a bit stronger but just to be sure I added some super glue to the surface around the area prone to failure. This can be seen in the photos. At least with my prints, there was some play in the stock when folded so to secure it in place, I used heavy duty velcro applied to the blaster and the stock as seen in the photos.

Hardware

1x M5 thin hex nut.

1x M5x30mm bolt.

2x M3x8mm socket head bolt.

1x M3x45mm socket head bolt.

1x M3 nut

2x M3 5x6mm heat set inserts.

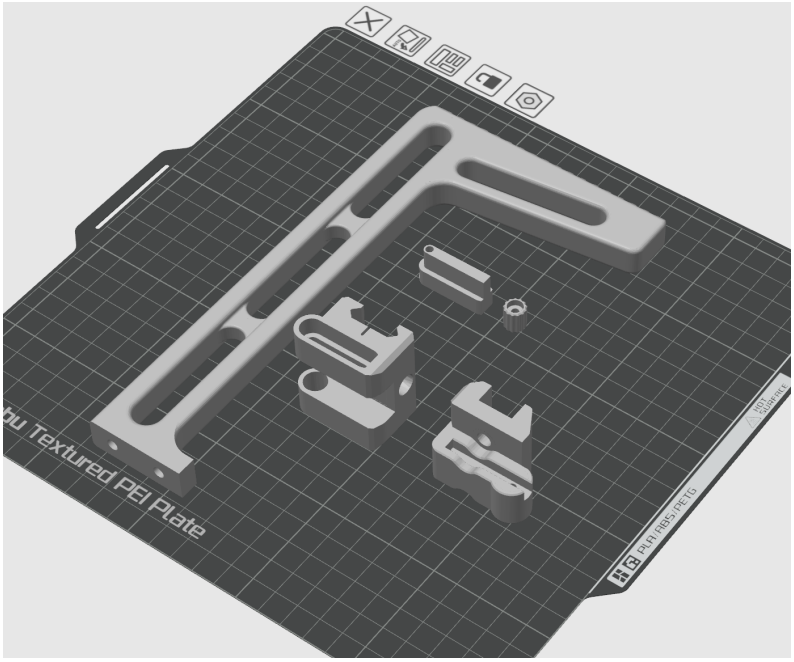
1x Spring. (I used one from this: https://www.amazon.com/dp/B0F47T44GH?ref_=ppx_hzsearch_conn_dt_b_fed_asin_title_3)

Assembly

Assembly is the same as the RedCowl stock with the addition of 2 heat set inserts which go into the stock. The m3x8mm bolts secure it to the folding portion.

Printing

I printed everything in petg with 4x walls, 70% gyroid infill. You will need tree supports. Orient parts as shown below for strength and ease of printing.



This remix is based on

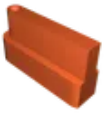
Picatinny Folding Stock

by RedCowl

Model files

stock-hinge-mk2-part1.stl

button.stl



button-lock-lock-piece.stl

stock-hinge-mk2-part2.stl

stock.stl

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