



Gundam Inspired Shifter for TH8S



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Summary

A Gundam/Gunpla inspired shifter handle for the Thrustmaster TH8S

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Overview

When your mobile suit has a manual transmission you'll need this shifter. Assembles with minimal extra requirements - mostly glue; although I'm working on tolerances to make the pegs tighter for snap-fitting.

Printed Parts - Colour choices are optional

Gundam Screw Core

The main chassis that most pieces will slide onto, screw into, or peg into. (ew)

Print it thread end down - shooooouldn't need supports depending on your choice of filament. I recommend PETG 0.2mm layer height. Colour: Black.

Bottom Surround

Print base-down - 0.2mm height - Colour: White.

Grip Wrapper

Print topside-down - 0.2mm height - Colour: Blue - Fuzzy skin on the outside for grip is recommended.

Top Surround

Print topside-down - tree supports seem to work best - 0.2mm height - Colour white.

Center Vent Pin

Print frontside-down so the vent strakes are vertical; might need some slight supports for the middle notch - 0.08mm height - Colour: Yellow.

Triangle Pegs x 4

Print however you'd like (one side down for speed maybe?)

Front Shield

Print rearside-down - 0.2mm to 0.08mm, the stepping of larger layers can look intentional - Colour: Blue.

Rear Shield

Print rear-side down - 0.2mm to 0.16mm - Colour: White.

Rear Grille

Print grille-down - 0.08mm - Colour: Red

Top Capper

Print bottom-down - 0.2mm - Colour: Black

Top Cap

Print either bottom-down or top-down depending on what top surface finish you're happy with - Given the angle of the top; I'd opt for extra top layers if printing bottom down and pick a denser infill to prevent drooped lines (which can expose the infill pattern) - 0.08mm - Colour: Red.

Assembly

Slot the Bottom Surround, Grip Wrapper, and Top Surround onto the Gundam Screw Core from the top.

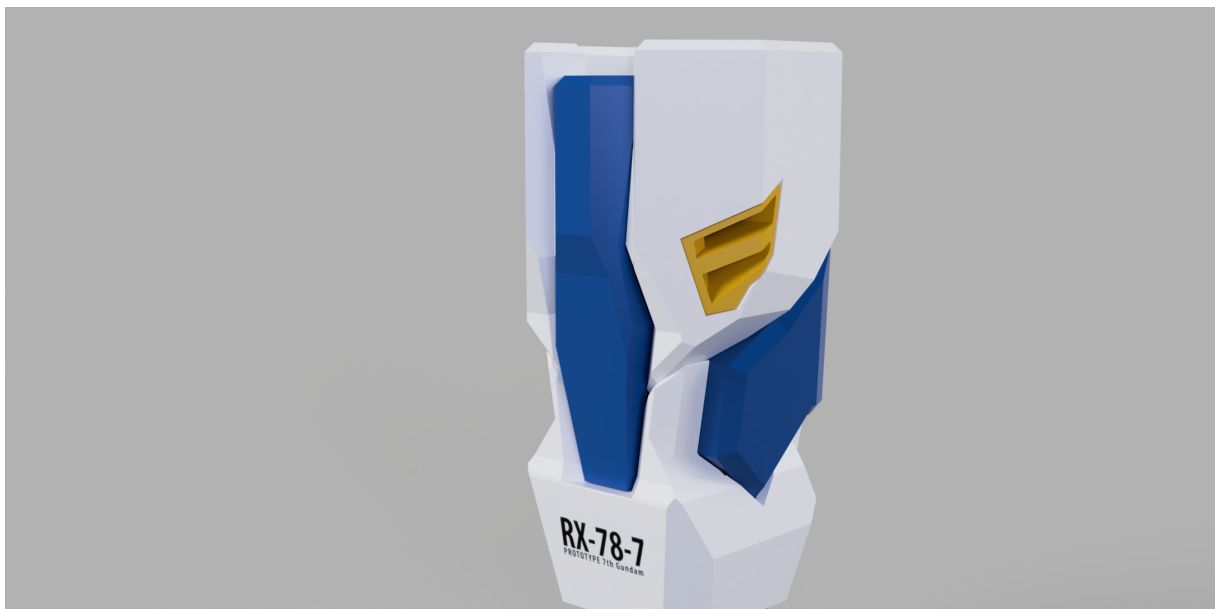


Slide the Center Vent Pin in from the side to lock the previous 3 pieces into place.



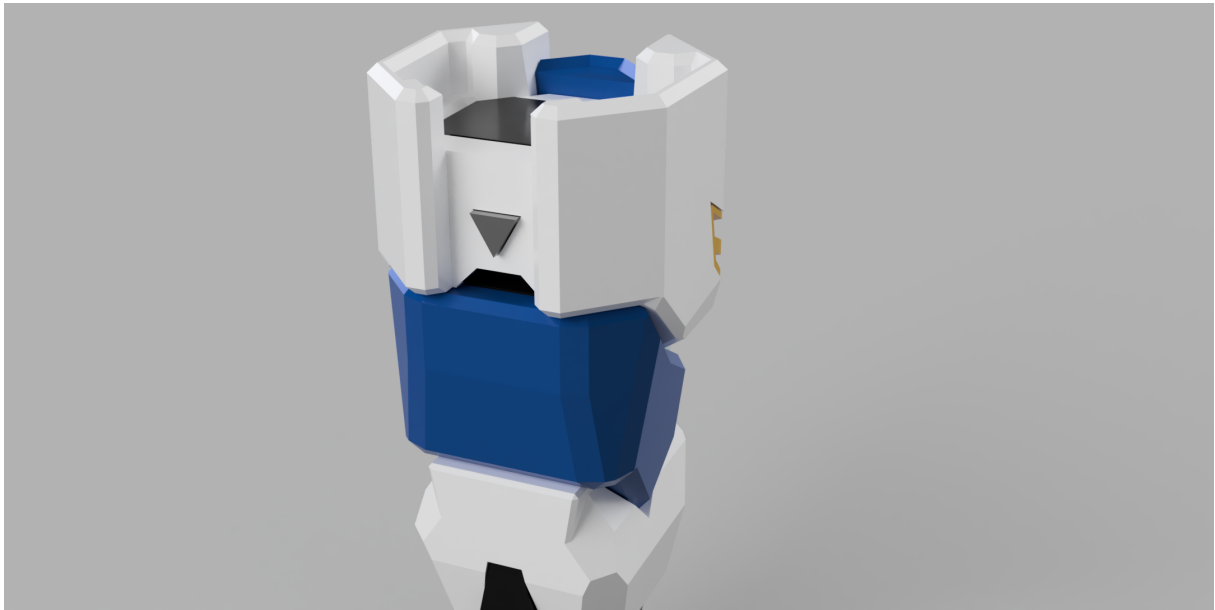
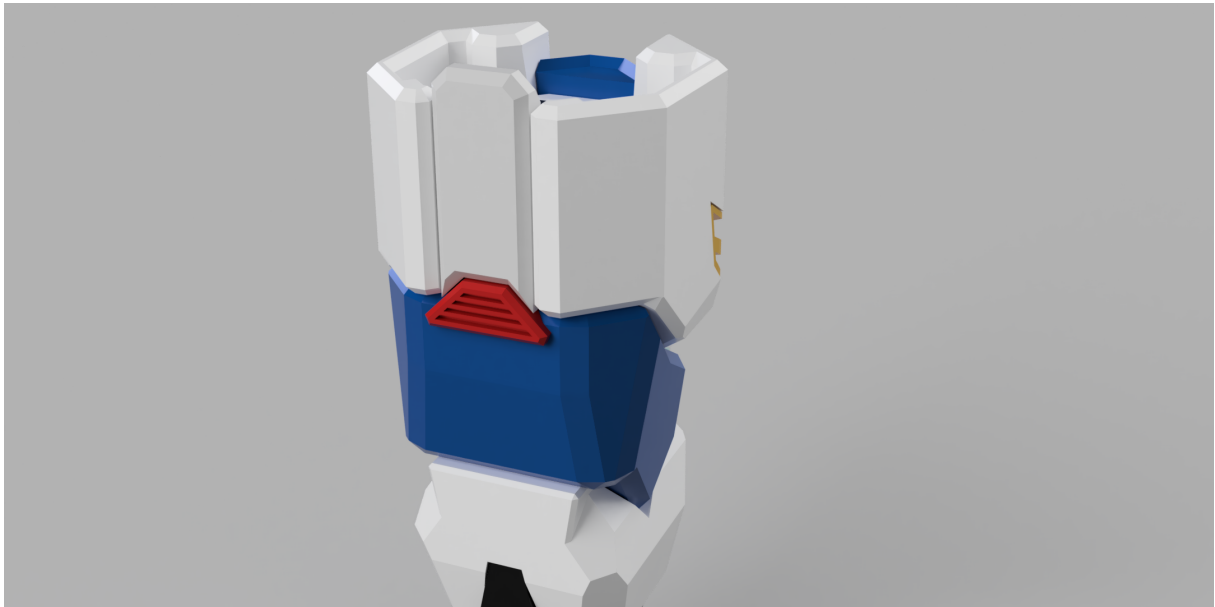
Using two Triangle Pegs, position the Front Shield into place.

This may require some glue on the pegs.

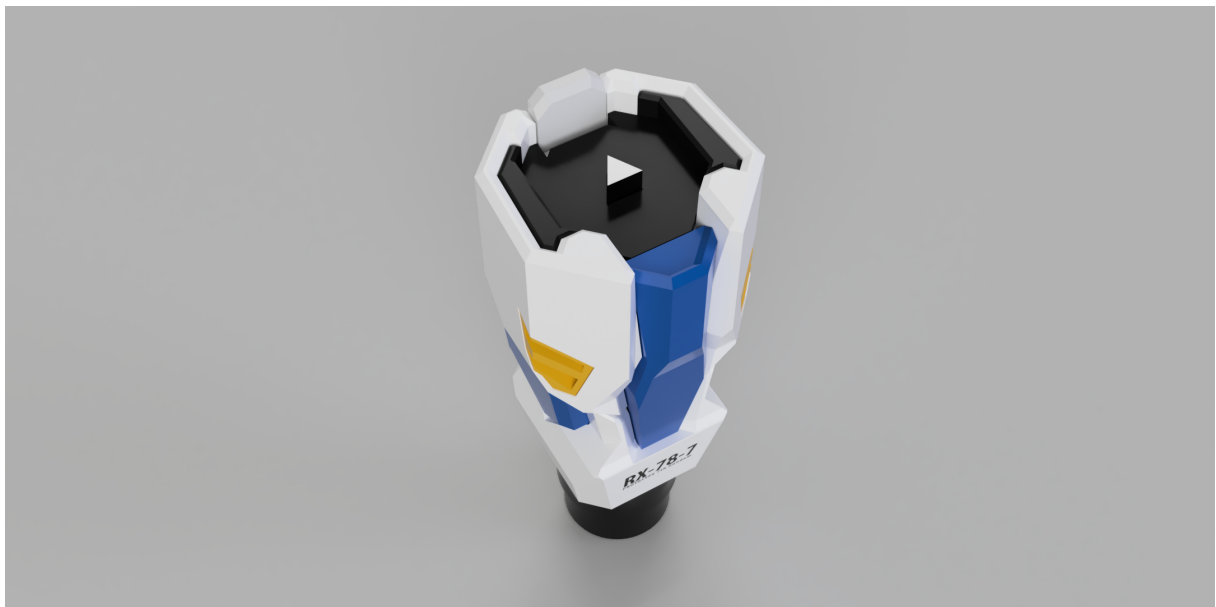


Using a Triangle Peg, position the Rear Shield into place along with the Rear Grille

Optionally a 2mm hole is provided on the Rear Shield and Rear Grille to attach them with an M2 screw prior to gluing into place. (Or simply glue the Rear Grille as-is)



Using the final Triangle Peg, position the Top Capper and Top Cap.



This remix is based on



THRUSTMASTER : Official TH8S Gear knob files
by Thrustmaster

Model files



gundam-screw-core.3mf



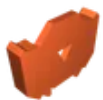
grip-wrapper.3mf



rear-grille.3mf



front-shield.3mf



top-capper.3mf



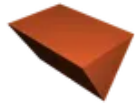
rear-shield.3mf



top-cap.3mf



center-vent-pin.3mf



triangle-peg.3mf



bottom-surround.3mf



top-surround.3mf

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