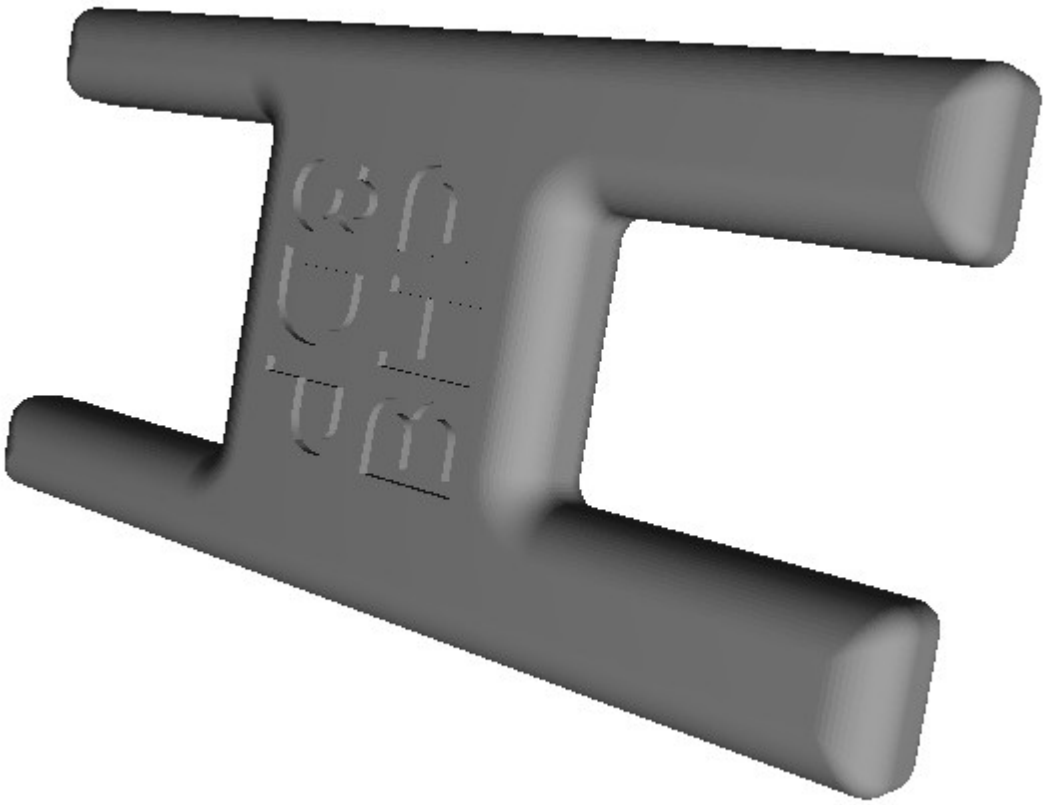
Browning Hi-Power “3rd hand” tool

by Freeman1337

(A tool meant to aid in the fitting and removal of sears from factory metal and 3d printed Browning Hi-Power frames)



Released: 5/13/2022

Version: 1.0

Description

This release is a tool meant to assist builders/armorers in the installation, removal, and fitting of sears into the Browning Hi-Power. This tool has two sides: one to accommodate factory steel hi-power frames (and many clones) in addition to the soon-to-be-released 3D printable Hi-Power frame by Ivan T. Troll. The structural nature of this tool being what it is, please closely follow the print settings, use this tool carefully, and it should last a long time. If not, it prints in 30ish minutes and uses 6 grams of filament, so it’s easily replaced.

Instructions

Materials Required:

You will need a set of each below for each [x] you make:

x1 PLA+ filament of your choosing. Extensive testing done using esun PLA+ and Overture PLAPro

Print Settings:

Layer Height

model	0.18mm

Shell

Wall Line Count	10
Outer Wall Wipe Dist	0.4
Top/Bottom Thickness	1.32mm
Top Layers	10

Infill

Infill	100%
Pattern	lines

Material

Print Temp	217 C
Bed Temp	60 C

Speed

Print Speed	50 mm/s
Infill Speed	60 mm/s
Outer Wall Speed	30 mm/s
Inner Wall Speed	60 mm/s
Top/Bottom Speed	40 mm/s

Travel

Enable Retraction	True
Combing Mode	All

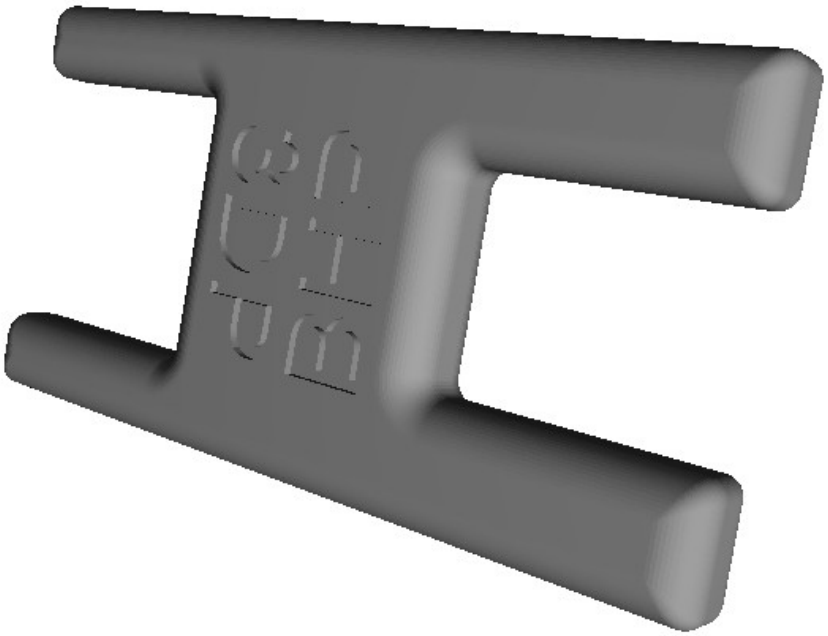
Cooling

Enable Fan Cooling	True
Fan Speed	85%

Support

Generate Support	True
Support Structure	Tree
Support Placement	Everywhere
Support Overhang Angle	Your preference

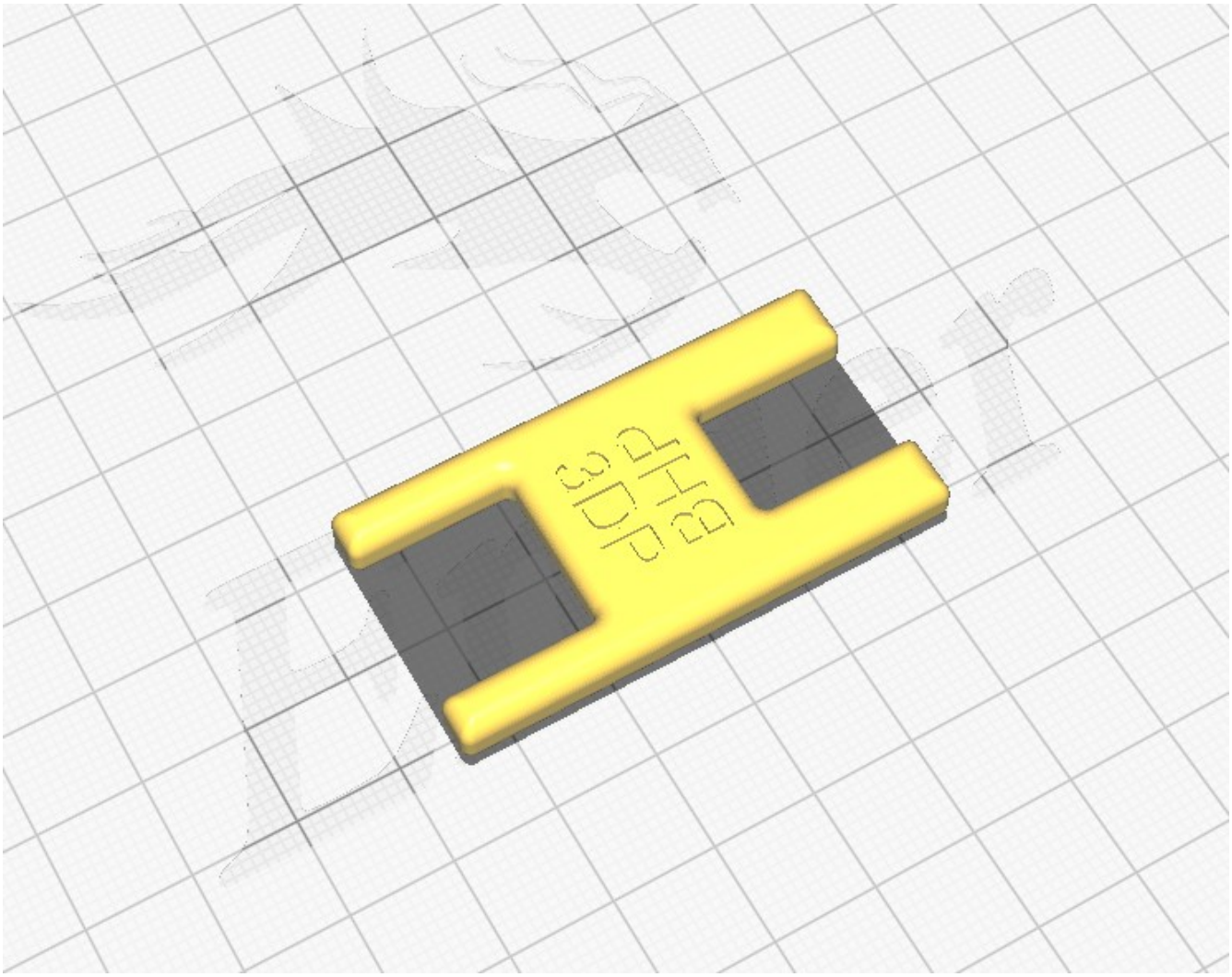
Material List:



Hi-Power “3rd Hand” tool

Print Orientation

All models provided in this release are already oriented into the correct printing orientation. If for some reason that orientation is not preserved, print vertically with the tool flat on the print bed as shown.



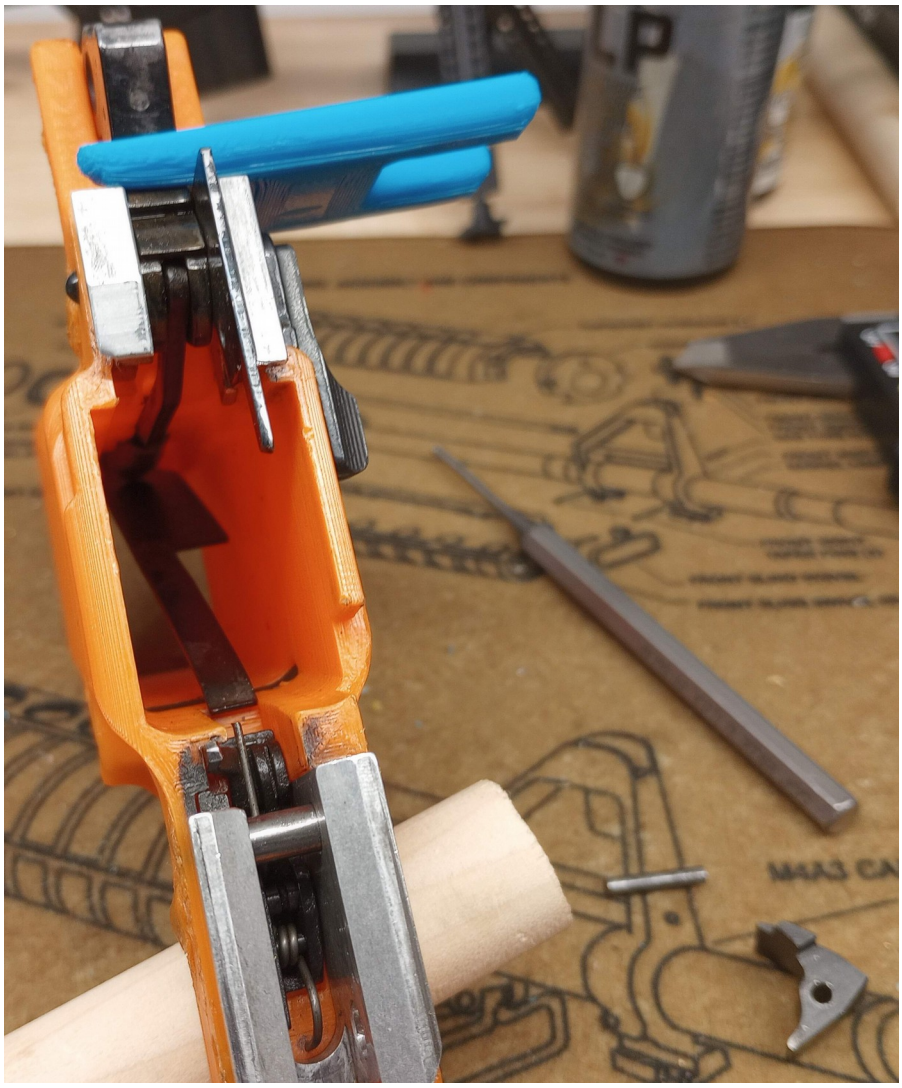
Assembly/Installation

1. Remove the slide stop from your pistol

2. Remove the slide from your pistol

3. Gently pulling back on the hammer, install the tool between the hammer and tail of frame. The side labeled “3DP” is meant for Ivan’s frames, and “BHP” is meant for steel factory-made frames.

4. Remove the sear, without worry of the hammer slamming forward.



5. After finishing the assembly/fitting/replacement of your sear, carefully remove the tool from the frame and re-assemble your pistol.

Licensing

Released with no license. Resulting prints derived from this design or it’s derivatives may not be sold for commercial purposes without the explicit permission of the developer.

Closing Thoughts

Hey y’all,

2022 is shaping up to be an interesting year. I’ve got a ton of interesting projects in flight currently, looking forward to bringing those to all y’all soon (especially the “OK Boomer” 1911)! While this is a small release, it’s huge if you have a 3d printed hi power and don’t like getting cut up/stabbed wrestling that ‘lil bastard of a sear into your frames.

Best wishes, and happy sear fitting to all.

Yours Truly,

Freeman1337