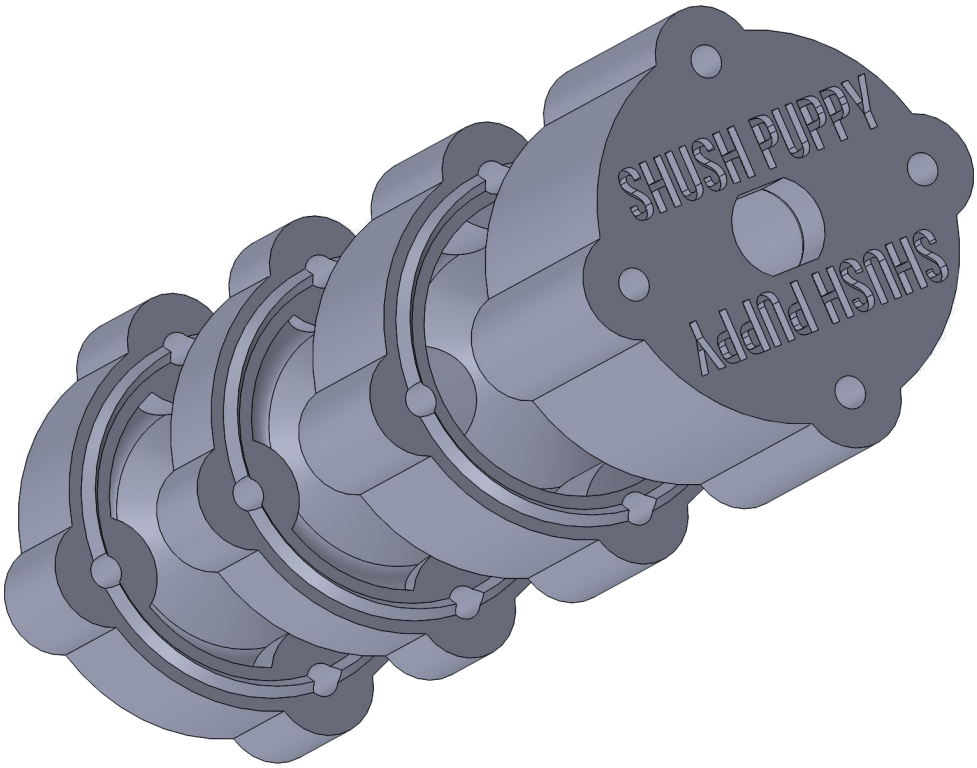
CTRL+PEW

AND

THE GATALOG

PRESENT:



THE SHUSH PUPPY

A 3D PRINTABLE SUPPRESSOR FOR THE DIY ENTHUSIAST.

Published by The Gatalog April 30th,2021

Document Version: 1.0

File Version: 1.0

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PREFACE

The Shush Puppy is a modular 3D printable 9mm suppressor requiring nothing purchased that is looked upon as a “suppressor part”. Previous designs have been monolithic designs restricted to 22LR (afaik) or printable baffles still requiring the purchase of the outer tube. This suppressor requires none of that and only the purchase of one “firearm part”, the muzzle device.

This design also resolves an issue surrounding the maintenance of DIY cans. Technically speaking you're not supposed to be able to do maintenance on a form 1 suppressor without sending it to an SOT/FFL. So your damaged can will stay damaged forever. With a modular design, should you decide to use a smaller configuration than the longest you put on your form 1 some of your baffles will be unused.

As far as the durability of the design itself, my personal 9mm version has been tested to one thousand rounds over the last year. Another tester changed the bore to 45 and tested 100 rounds through it without issue. Theoretically this design will, with a modified bore will suppress 22LR, 9mm, 380, 40 and 45 pistol rounds. This has not been tested with rifle rounds. If you test it send video.

At some point in the future when I have access to an SOT ill refine and release the remainder of the calibers and do full destructive testing assuming the ammo drought ever ends.

-CTRLPew

If you like this project or others and want to support our work please consider donating BTC via donate.ctrlpew.com or Monero via the QR code. You can also support our work and developers at shop.ctrlpew.com and get some cool swag too.

Monero

NOTES

The Shush Puppy was designed to be fired in a system where the barrel is fixed and not required to move. If you slap this on the end of a Glock or other system it will probably become a bolt action...so yay for Wellrods.

This is also a NFA regulated device, so you must complete and receive and approved ATF FORM 1 with tax stamp BEFORE beginning your build.

- How to Form 1 a suppressor https://www.youtube.com/watch?v=nCTtUhPZCJM
- Information you will need before submitting your paperwork
    - The OAL of your suppressor
        - The end cap is 1”
        - Each Baffle .8”
        - Each blast baffle is 1.38”
        - The mount is 2.16”
        - The baffles and blast baffles are modular so pick your number and do the math to get the OAL.
    - You ARE NOT legally allowed to repair a suppressor you have completed on a form 1. FYI.
- Because this is an NFA device the DIY exception for marking does not apply and you are required to serialize and mark it IAW federal regulation.
    - Regulation - 27 CFR § 479.102
        - https://www.law.cornell.edu/cfr/text/27/479.102

Special thanks to:

- KadeCAD for spearheading a lot of research into printable suppressor baffles. I used a lot of info in your prior releases to come up with these.
- The half-dozen SOTs who helped test and verify information.
- You for printing this and perpetuating the signal.

PREREQUISITES, MATERIALS, AND TOOLS

PREREQUISITES

- An approved ATF Form 1 and stamp.
    - Because paper matters.
- An idea of the OAL of your suppressor.

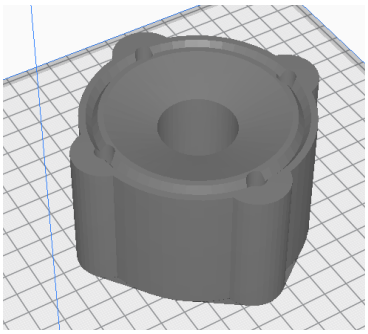
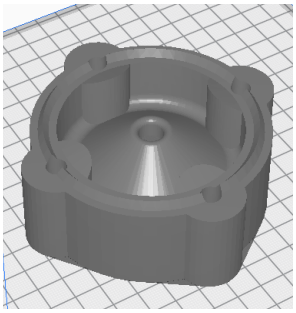
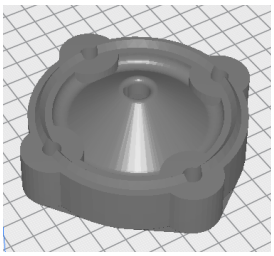
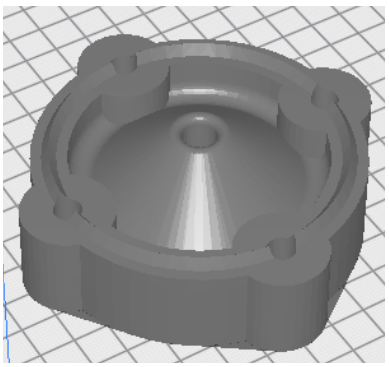
MATERIALS

- 2-3 Spools of filament - https://amzn.to/3njKvDi
    - Esun PLA+ is verified
    - Other PLA+ or PRO should work to a similar performance level
    - PLA will also work but will wear faster than PLA
    - Nylons, PETG, PC will also work, better than PLA+ but are harder to print with.
        - Do what you want
- 4x ¼" threaded rods equal to or longer than the OAL of your suppressor.
- 8x Hex Nuts that match the thread of the threaded rod. Usually ¼ x 20.
- 8x washers with a ¼" hole
- Superglue
- Loctite (optional)
- "KAK Industries 1/2X28 MICRO "SLIM LINE" Flash Can - .223 / 5.56 (also fits 9mm)"
- An aluminum flat bar 1/8th" or 1/16th" - https://amzn.to/3tPuNlO

TOOLS

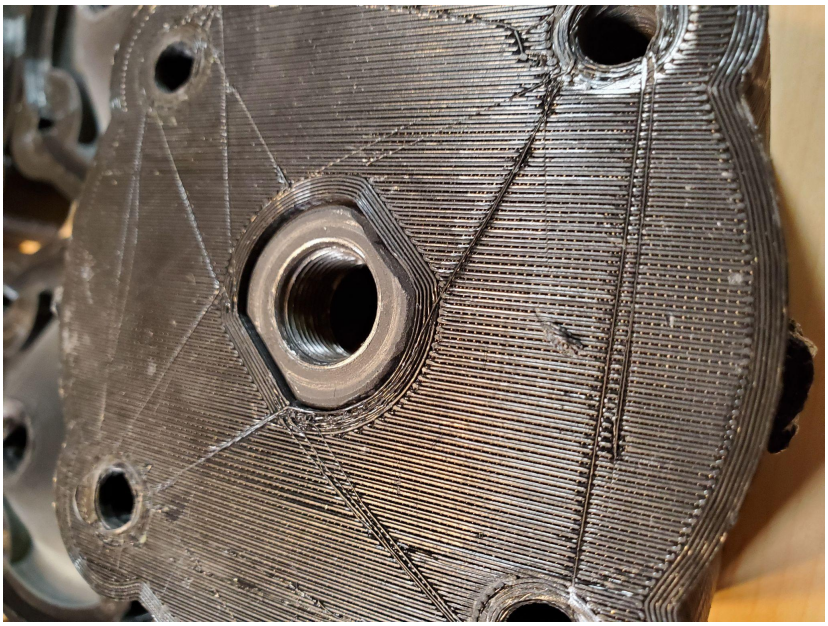
- A mallet/hammer/press/sledge
- Wrench, pliers for the nuts
- A hacksaw
- A metal file
- A 3D printer
- A blowtorch (the blue benzomatic ones are fine)
- Pliers
- A punch or screwdriverLetter Punch Stamps of at least 2mm / 1/16th" - https://amzn.to/3eKcFnl

PRINTABLES

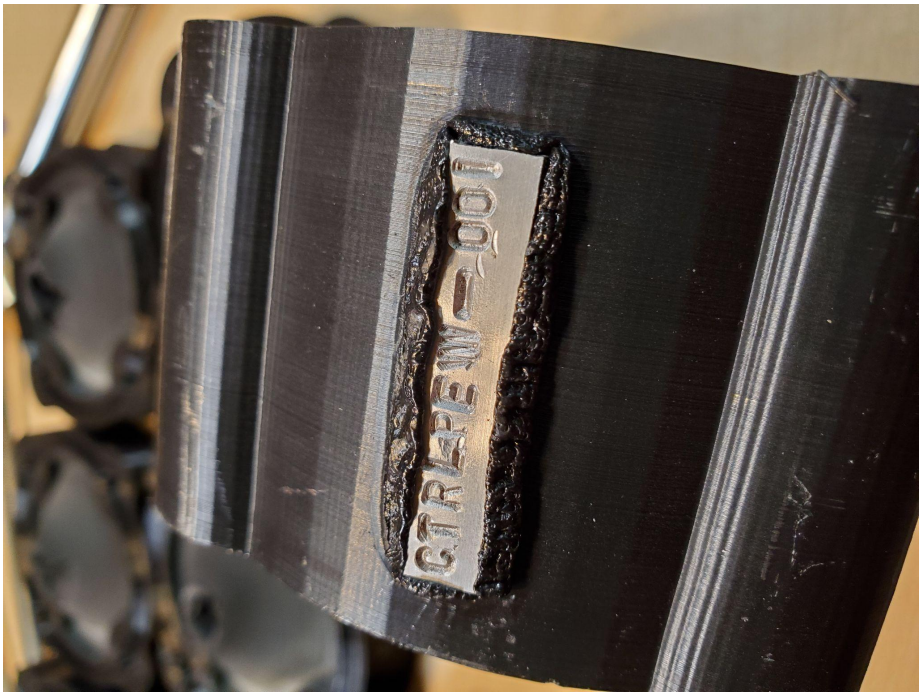
	Mount Material: PLA+ Layer Height: .16-.20 Use what works for you. Infill: 100% Walls: 8-14 Supports: None Orientation: As pictured
	Blast Baffle Material: PLA+ Layer Height: .16-.20 Use what works for you. Infill: 100% Walls: 8-14 Supports: None Orientation: As pictured
	Baffle Material: PLA+ Layer Height: .16-.20 Use what works for you. Infill: 100% Walls: 8-14 Supports: None Orientation: As pictured
	End Cap Material: PLA+ Layer Height: .16-.20 Use what works for you. Infill: 100% Walls: 8-14 Supports: None Orientation: As pictured

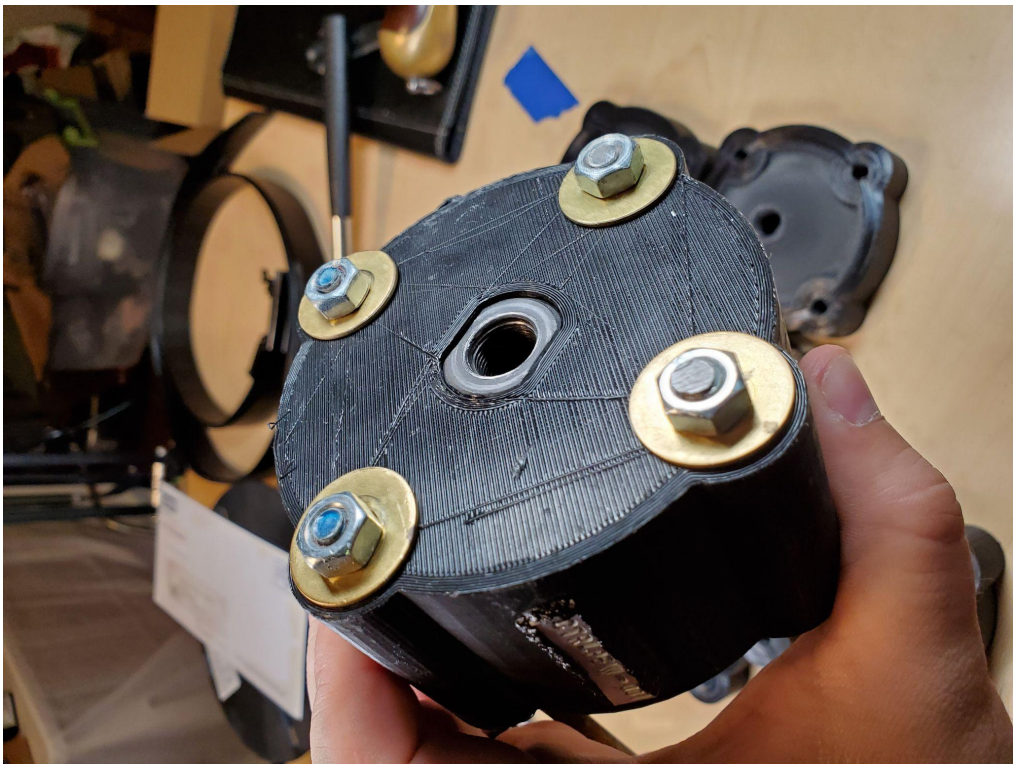
ASSEMBLY

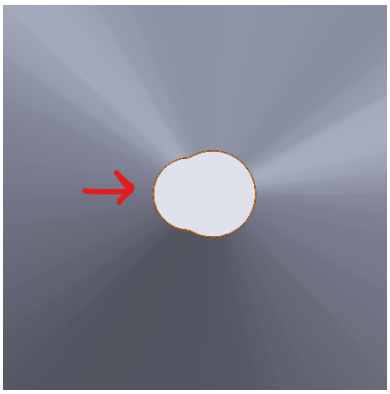
1. Mount Assembly
    a. Get the mount piece, the flash can, superglue, hammer, vice
    b. Print the mount using the settings above.
    c. Set the mount on a firm surface like on a block or in a vise or anvil.
    d. Coat the hole at the center of the mount with a thin layer of superglue
    e. Orient the flash can, so the wrench flats will align with the flats in the hole on the bottom of the mount
    f. Press/Push/beat the flash can into place so that the flash can is nearly flush with the bottom of the mount



2. Stamping/Marking
    a. Take the punches and the aluminum
    b. Mark the aluminum with the required information specified in 27 CFR § 479.102
    c. Position it where you want it to be affixed (to the mount) and bend it to conform to the surface if needed.
    d. Use the blowtorch to heat the aluminum piece and then press it into the outer shell of the mount. It will probably stop about halfway in.
    e. While the plastic is hot, using a letter punch or screwdriver mush the plastic into the side of the aluminum, so it retains it a little better.

f. 

3. Full assembly
    a. Take the 4 threaded rods and thread one washer and hex nut on each of them. Use superglue or loctite to secure the nut in place at the bottom of the rod. Allow to set.
    b. Install a threaded rod in each of the 4 holes around the perimeter of the mount, so the bottom of the mount rests on the washers.
    c. 

d. Install the first blast baffle
    i. Take note of the orientation of the “clip” in the baffle
    ii. 
e. Install the second baffle (or blast baffle) rotating the “clip” 90 degrees whichever direction you choose.
f. Continue installing baffles in this manner until you have reached your desired length.
g. Install the end cap.
h. Cut the threaded rods 1” up from the top face of the can.
i. Add a washer and hex nut to each rod and tighten using pliers and wrenches.
    i. Make them tight. These will come loose when firing.
    ii. Do not loctite or superglue.
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