

THE POCKET PLEASER

A 3D Printed Frame For The Ruger LCP

By: Kapusta



(Kukitan @ Deterrence Dispensed)



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POCKET PLEASER

DR. DEATH'S
GOON CAVE

UBERCLAY'S
PINAPPLE FARM

RUBY'S LEGACY

DEFCAD X
FEDCAD ✓

PSR X HOFFMAN -
AN ERROTIC FANFIC

ACKNOWLEDGEMENTS

Design based on the
insert “**Neinhänder**”

Made By: [Kornitsky](#)
[Repeating Arms](#)

Thank you [BattoIsOutto](#)
for introducing this
project to me!

A HUGE thanks to all my
testers, supporters, and
friends. You guys
seriously rock!

And thank you to [The](#)
[Gatalog](#) for building this
awesome community!

3D2Aaddiction
adb
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Albert9x19
Andyoumaycallme_V
anthony.mendez
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AyeSpamNades
b.b
BattoIsOutto
BigBert
BobbyD
bobbywiththetool
bogdan
bppfoss
brian.
CaptnJB
cfnylon.exe
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doo.bee
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j0nny852
jkhn.for
jn212
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That_one_MexicanPMC
trevor.halloween
UberClay
Usmc6174
Williamrh710
xqj37
Yeeto1700
youknowthatsright
zachery.rollins

And to the many others
I may have missed!

INTRODUCTION

The original Ruger LCP was introduced in 2008 and has been in production for over 15 years. A true-blue pocket pistol with an affordable price to match, it quickly gained popularity. While modern options may outperform it in many ways, the LCP still lives as the “toss-it-in-your-pocket-and-go” pistol. Today, parts kits are relatively abundant, inexpensive, and consistently trickle into the market—so why not give them new life with a cheap 3D-printed frame? These sad, lonely kits deserve a home, after all!

This design merges the original frame and frame insert into a hybrid version that is reasonably durable while staying true to the compact nature of a pocket pistol. The original project this is based on—the “Neinhänder”—was simply a faithful recreation of the frame insert. However, it lacked the durability to handle more than a couple dozen rounds unless printed with more complex filaments like CF Nylon. My goal was to create a frame that could be reliably printed in PLA+ filament—keeping it simple, affordable, and accessible—while still being capable of surviving hundreds of rounds.

Multiple testers, including myself, have confirmed successful runs of over 100 rounds, with some pushing past 300 rounds through a single frame. While this design won't hold up to thousands of rounds, it is durable enough for light to moderate use. Like the original LCP, this is best suited as a lightweight backup or deep concealment firearm that's also fun to bring out from time to time. This project took nearly two years of on-and-off design, prototyping, and testing—so it feels great to finally call it done. Enjoy!



WHAT YOU NEED - PARTS AND TOOLS

Parts:

- Ruger LCP (GEN 1 - 380 ACP) Parts Kit – Near complete (Parts needed shown on next page)
- Metal Rail Insert – [From my store](#) - (If link doesn't work, my [linktr.ee for the latest](#))
- Screws #4-40 - <https://www.amazon.com/gp/product/B08RF1258V> ([Sets sold on my store too](#))
 - 1x 5/16"
 - 1x 1/4"

Tools (Recommended):

- Pin Punch Set
- Gunsmith Hammer
- Thin Needle Nose Pliers
 - Or Tweezers
- Phillips Screw Driver



LCP PARTS KIT

Ruger LCP (GEN 1) Parts Kit

All parts needed are shown here. We won't be using the plastic pins that come with most LCP kits. Also don't need the grip frame, but make sure you have the mag catch and mag catch spring as well. These are often still installed in the grip frame.

MAKE SURE IT'S A GEN 1 KIT! GEN 2 and MAX kits will not work with this frame...yet 😊
GEN1 kits use a simple trigger shoe, and has a curved grip styling.





PARTS & MATERIAL CONSIDERATIONS

Parts:

- Replacement Ruger LCP recoil spring
 - Many kits and used parts lots come with worn springs, and this would be the first thing I'd replace. A **higher weight spring is highly recommended. It will increase the longevity of the printed frame by absorbing more of that recoil force, and aid in increased reliability (reduces and may completely eliminate the FTF malfunctions that sometimes happen on the LCP).**
 - I'd recommend a 12 or 13 lb. recoil spring set from [Wolff](#) or [Hooper Gun Works](#)

Frame Material:

- This frame is designed with PLA+ / PLA Pro in mind. **It has acceptable strength and great impact resistance while maintaining a high layer adhesion. RECOMMENDED MATERIAL CHOICE!**
 - Filled nylons are likely the next best material if you want temp resistance. Their only downfall is layer adhesion is often worse & needs post processing. Test at your own risk. PETG, ABS, ASA, and Resin lack the strength, impact resistance and/or layer adhesion for this project. ↘

There are thin walls in some areas and layer adhesion is king. A crack in the right place can lead to catastrophic failure with these filaments. PLA + has a better failure mode and doesn't outright shatter like some of these can.



PRINTED PARTS – HOW TO SLICE & PRINT

Print Settings (PLA+) – Please Follow These Closely:

- Layer Height – **0.16 mm recommended**. Models are designed with 0.16 layer heights in mind (0.15 will likely be fine too).
- Infill – 100% (Aligned rectilinear pattern encouraged – Infill aligned along the length of the frame, front to back).
- Temp – Depends, At least 210 - 220 is recommended for PLA+. Manufacturer dependent. Run hotter if not sure.
- Fan Speeds – As low as you can go while keeping good detail on PLA+ ($\leq 50\%$ is ok if you can still print without warping)
 - Some edges on the model that can curl with low fan. High fan is OK, compensate with higher print temp.
- Print Speed – SLOW. Please be conservative with your speed as it lends to better layer adhesion. 50 mm/s for bed slingers and maybe ~80 mm/s for core XY. Also depends, but this design needs all the help it can get for max layer adhesion.
- Supports – Tree supports are best, but any will do. Painting on supports is recommended (Check support suggestions doc).

REMEMBER: PRINT HOT, SLOW, & CONSERVATIVE FOR YOUR HARDWARE
(If you're not sure what's ideal!)

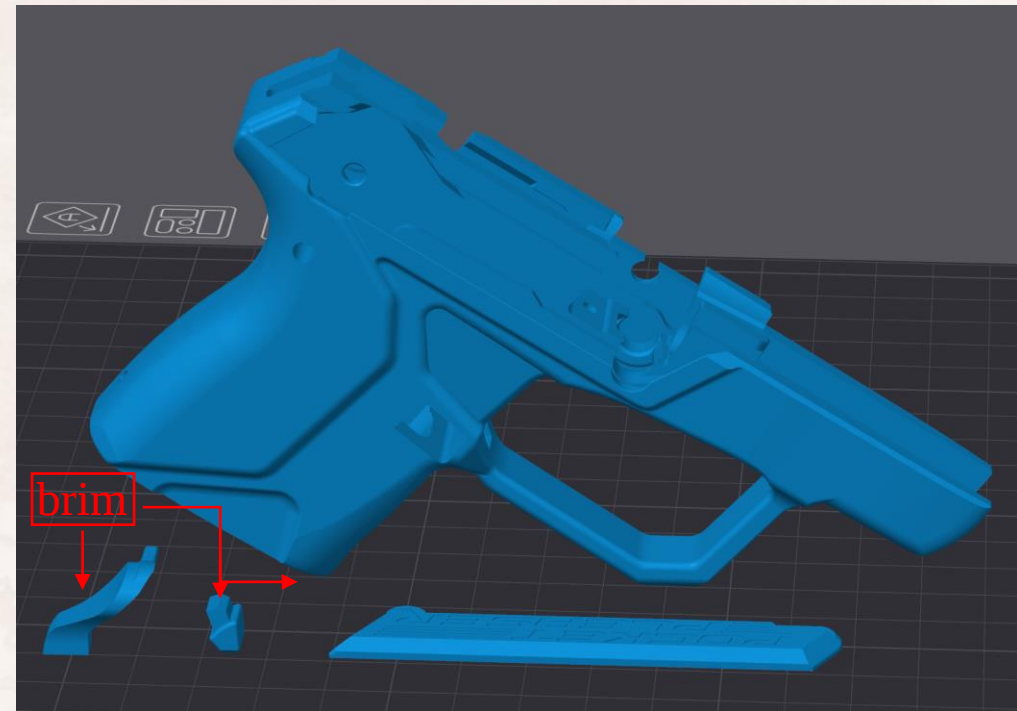
PRINTED PARTS & ORIENTATION

Print Orientation:

- Print frame rails up, nose pointed down. The flat spot on the trigger guard and the front of the magwell should touch the build plate. Nose down may be best for both strength and ease of printing, but nose up may be worth it for a cleaner print.
 - Either way you print it, always make sure supports don't generate under the slide rails!
- All other parts can be printed as shown.
 - Consider adding a **brim** to the butt plug, frame (magwell), and trigger stop prints.

Printed Parts

- Frame
- Butt Plug
- Grip Plug
- Side Plate
- Trigger Stop (Refer to assembly instructions)



ASSEMBLY AND THINGS TO LOOK OUT FOR

Refer to the “Written Assembly Guide.pdf” for written steps of assembly.
Find the video guides as well below:

Assembly Video Here: <https://youtu.be/6ga8psNq4TI> or
<https://odysee.com/@kukitan:b/Pocket-Pleaser-Assembly>

A long video of the assembly from start to finish. Check timestamps for individual steps!

Disassembly Video Here: <https://youtu.be/fF1ArnvW0ns> or
<https://odysee.com/@kukitan:b/Pocket-Pleaser-Disassembly>

Since the process deviates from the original LCP, I've included a disassembly video here as well!



ASSEMBLY AND THINGS TO LOOK OUT FOR

Things to look out for:

- The first areas of failure happen in the areas shown. Layer separation or cracks may occur here as the gun recoils. Pocket pistols are pretty snappy, and the frame may get fatigued over time. A heavier recoil spring helps immensely here.
 - I would recommend shooting about 30 rounds or so and check these areas for cracks, and again maybe after 100 to be sure. I still have a frame that developed minor layer separation behind the metal rail insert and it's well past 400 rounds now. So, determine what you feel is safe for you to shoot!
- Check the printed rail sections occasionally to make sure they aren't separating from the frame. Unfortunately, the rails are pretty thin so the printed sections may crack eventually. I have never had an issue, but some testers did have cracks develop.



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YOU'RE DONE, HAVE FUN!

**GOOD LUCK, STAY SAFE, AND I HOPE THIS
LITTLE PISTOL BECOMES A PLEASURE TO
HAVE IN YOUR POCKET (♡ ͡ °)**

Find my files and ways to support me: <https://linktr.ee/Kukitan>