The Gatalog Presents

The Hornet

Printable Diamondback DB9 frame

PUTTING A GUN TOGETHER IS NO JOKE. FIREARMS ARE DANGEROUS TOOLS THAT MUST BE TREATED WITH CARE AND RESPECT. **YOU ARE RESPONSIBLE FOR YOUR SAFETY, AND THOSE SURROUNDING YOU** WHEN YOU WORK WITH OR OPERATE FIREARMS. FELLOW DEVELOPERS OR ENGINEERS CANNOT BE RESPONSIBLE OR LIABLE FOR WHAT YOU DO OR DON'T DO.

AS A GENERAL REMINDER, HERE ARE SOME RULES TO KEEP IN MIND:

ALWAYS TREAT A GUN AS IF IT IS LOADED. REMOVE THE MAGAZINE AND CHECK THE CHAMBER YOURSELF TO VERIFY THE GUN IS UNLOADED.

KEEP YOUR FIREARM ALWAYS POINTED IN A SAFE DIRECTION. NEVER POINT YOUR GUN AT ANYTHING YOU DON'T INTEND TO DESTROY.

BE AWARE OF WHAT IS IN FRONT AND BEHIND OF YOUR TARGET.

BUT SPECIFICALLY, FOR WORKING ON YOUR FIREARM, YOU SHOULD REMEMBER THE FOLLOWING TOO:

KEEP LIVE AMMO AWAY. USE SNAP CAPS OR DUMMY ROUNDS TO VERIFY FUNCTION OF YOUR FIREARM. NEVER KEEP LIVE AMMO AROUND YOUR WORKSPACE, AND CERTAINLY NEVER MIX THEM WITH YOUR DUMMY AMMO.

A CLEAN GUN IS A SAFE GUN. NEVER LEAVE YOUR FIREARMS UNCARED FOR TO FOUL OR DIRTY UP. DEBRIS CAN CAUSE MALFUNCTIONS, WHICH CAN BE DANGEROUS.

ALWAYS READ AND FOLLOW DIRECTIONS. DON'T IGNORE A WARNING OR FOLLOW INSTRUCTIONS OUT OF ORDER.

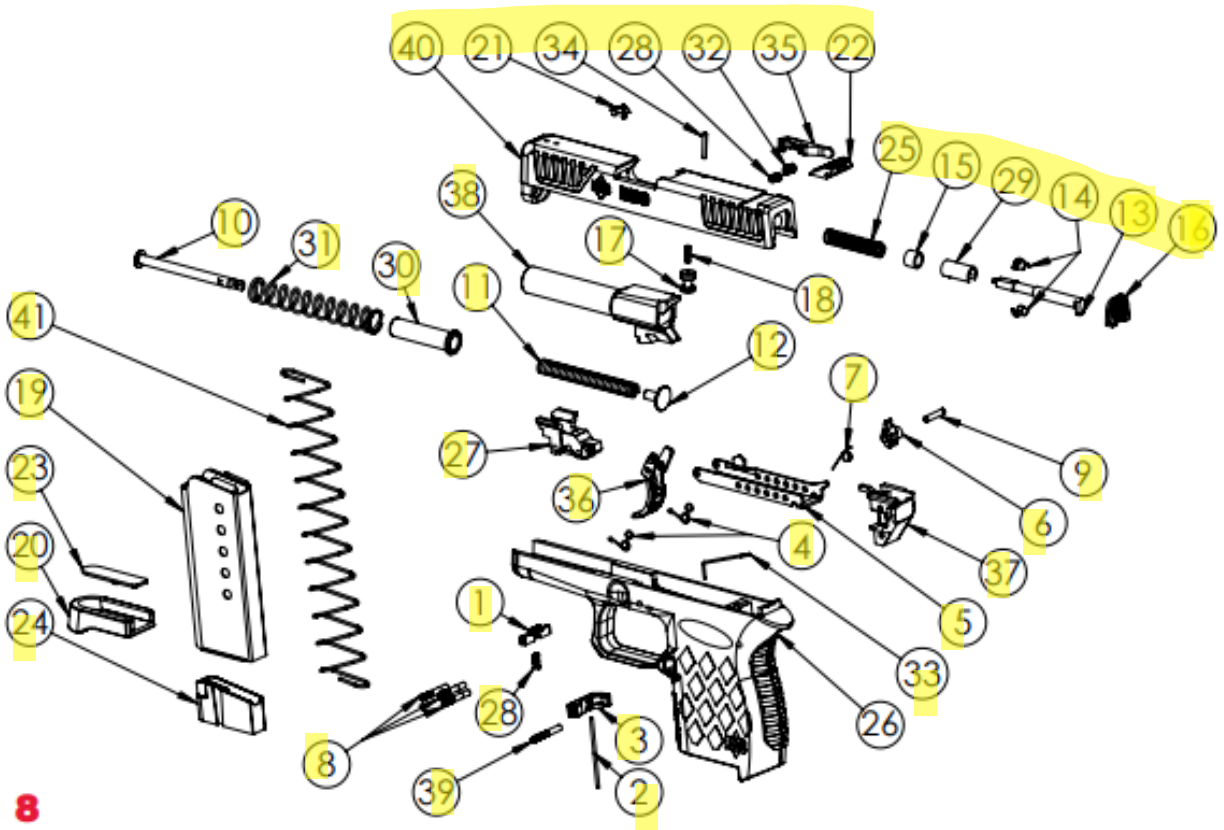
USE PRUDENT JUDGEMENT. IF SOMETHING DOESN'T ADD UP- USE COMMON SENSE. STOP, INSPECT, AND RE-EVALUATE YOUR PREVIOUS ACTIONS AND PROCEDURES.

Remember that it is our shared responsibility to be safe and smart with firearms and show the world there is a peaceful way to own guns – take the time to get training, to learn basic (and advanced) safety rules, and to share the hobby with everyone interested – those most scared of guns in the hands of the people are often the ones who have no experience with guns in the first place.

Introduction

The DB9 is a very small 9mm ‘pocket pistol’. This frame supports Gen 1 to Gen 3 parts.

Parts Needed

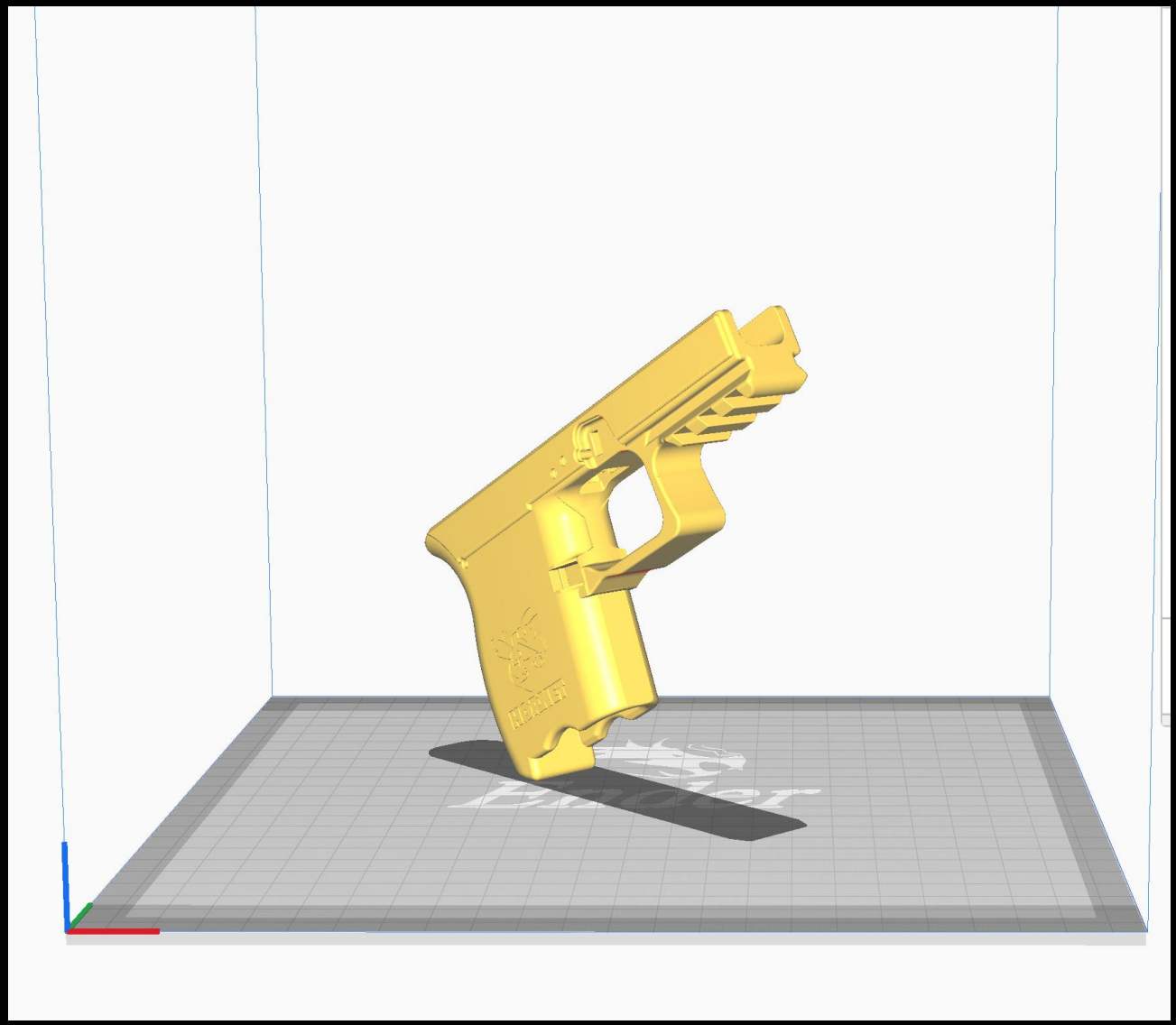


DB9 PARTS LIST

1- ASSEMBLY CATCH
2- MAG CATCH SPRING
3- MAG CATCH
4- TRIGGER RETURN SPRING
5- DB9 TRIGGER BAR
6- MIM SEAR
7- SEAR TORSION SPRING
8- ASSEMBLY PIN
9- SEAR AXIS
10- DB9 RECOIL GUIDE
11- INNER RECOIL SPRING
12- RECOIL GUIDE HEAD
13- DB9 FIRING PIN
14- FP SPRING RETAINER
15- DB9 FP PRELOAD SPACER
16- SLIDE REAR COVER
17- FIRING PIN BLOCK
18- FIRING PIN BLOCK SPRING
19- DB9 MAG BODY
20- DB9 6RD FLAT BOTTOM
21- FRONT PLASTIC SIGHT
22- REAR PLASTIC SIGHT
23- DB9 RETAINER PLATE
24- DB9 FOLLOWER
25- FIRING PIN SPRING
26- DB9 GRIP
27- MACHINED CAM BLOCK
28- INNER EXTRACTOR SPRING
29- FIRING PIN SPACER
30- RECOIL SPRING TELE HAT
31- OUTER RECOIL SPRING
32- EXTRACTOR SPRING
33- TB ASSIST SPRING
34- 1/16" X 7/16" SPRING PIN
35- HORIZONTAL EXTRACTOR
36- MACHINED TRIGGER
37- MACHINED REAR RAIL
38- DB9 BARREL
39- ASSEMBLY PIN
40- DB9 SLIDE
41- EX FORCE DB9 MAG SPRING

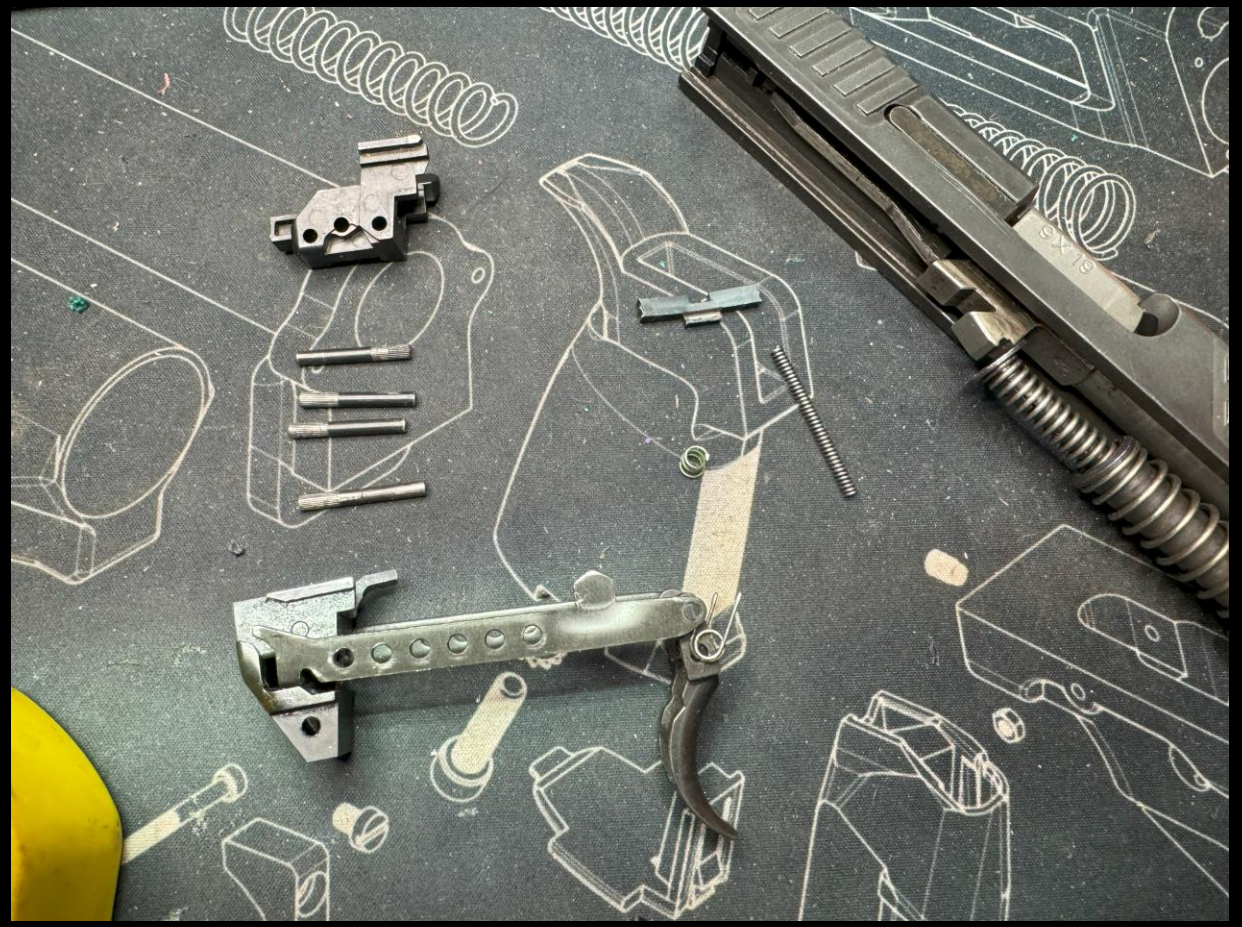
Print Orientation and Settings

- 8 walls/100% infil
- Extruder 200C
- Bed 60C
- (or use your preferred settings if experienced)



Assembly Steps

- Gather your parts together
- Pre-assemble your trigger bar, return springs, and sear
- One of your 4) pins should be a little longer. This pin is for the rearmost hole

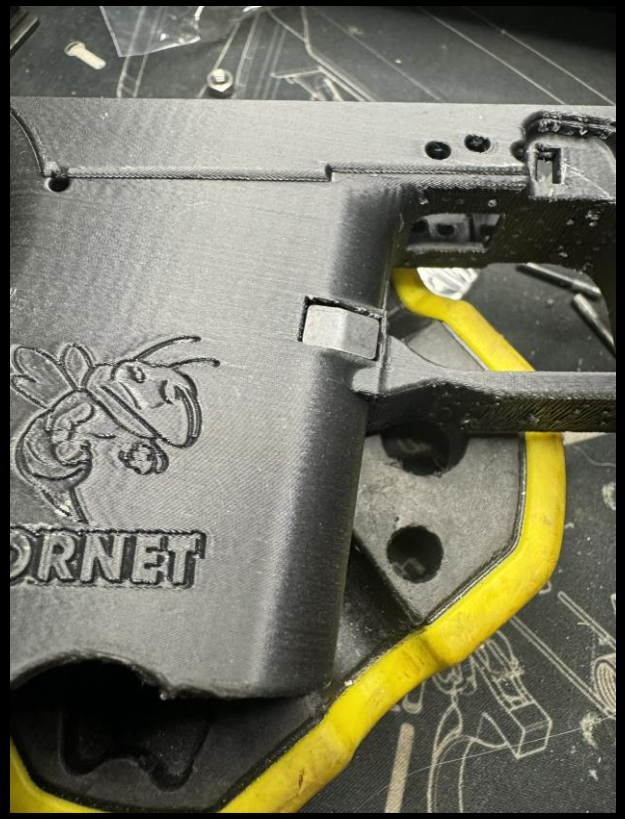


Assembly Steps

This is the correct orientation of the trigger return springs.

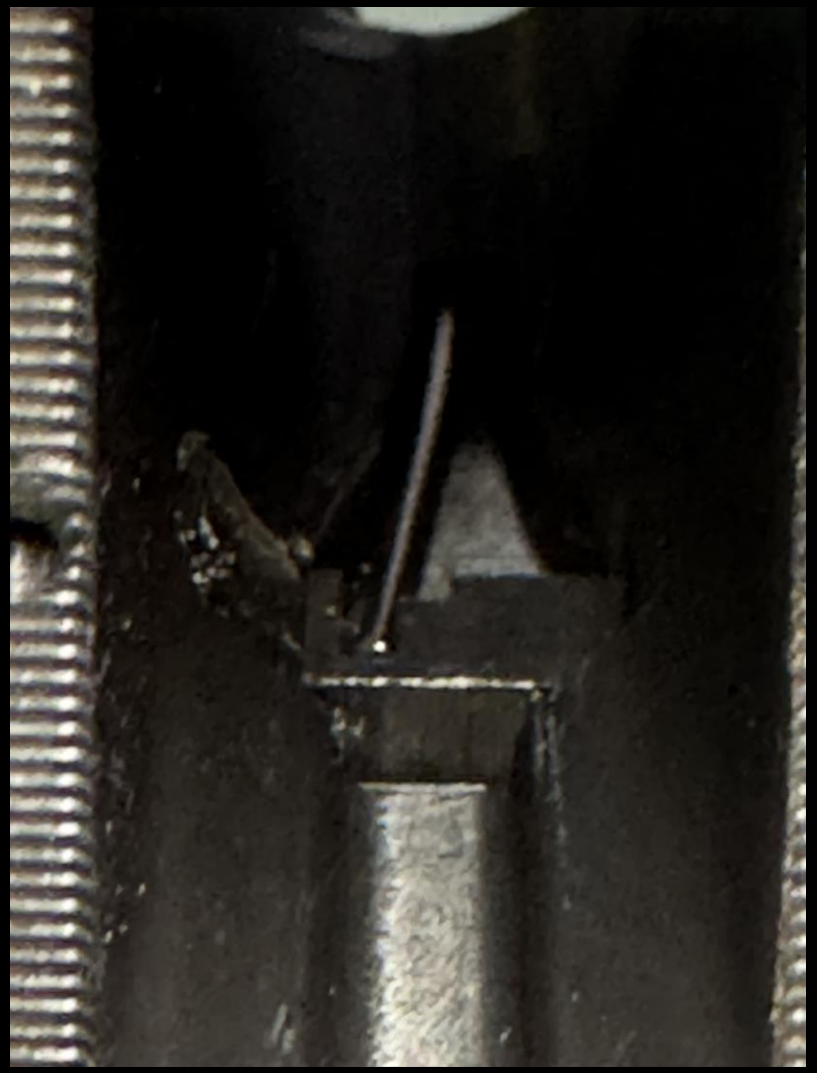
Assembly Steps

Place the mag catch into the frame.



Cut a Spring Wire at 36.5mm. File the frame end to a point. Drop in its hole and slide it down until it can fit into the slot in the catch.

Assembly Steps

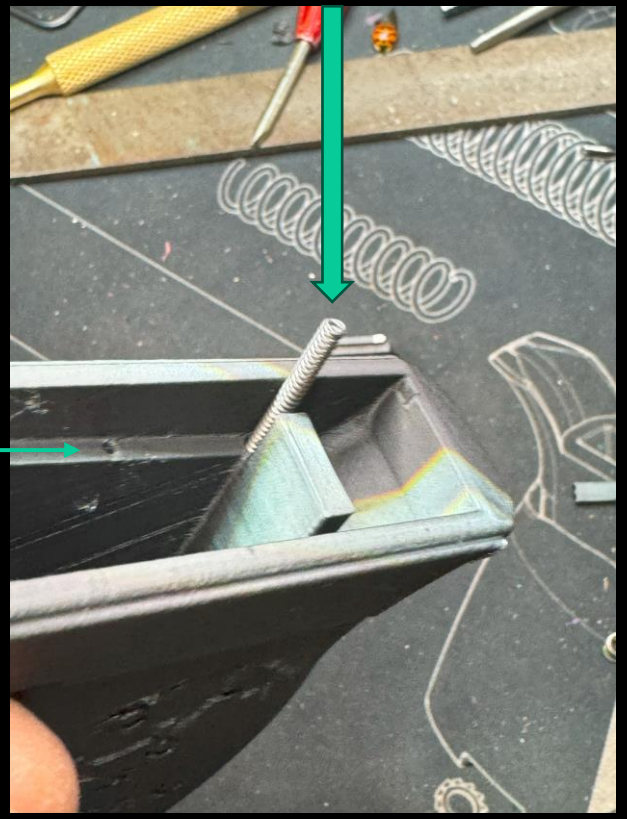


Using a small screwdriver push the spring wire over into the hole. You may need to use a punch to seat the wire into the catch. It should pop into place.
You can test the magazine placement at this point.

Assembly Steps

Place an AR15 detent spring into the hole toward the rear of the frame. (You can use your factory one if you want, but the AR spring is superior, and most kits do not retain the original)

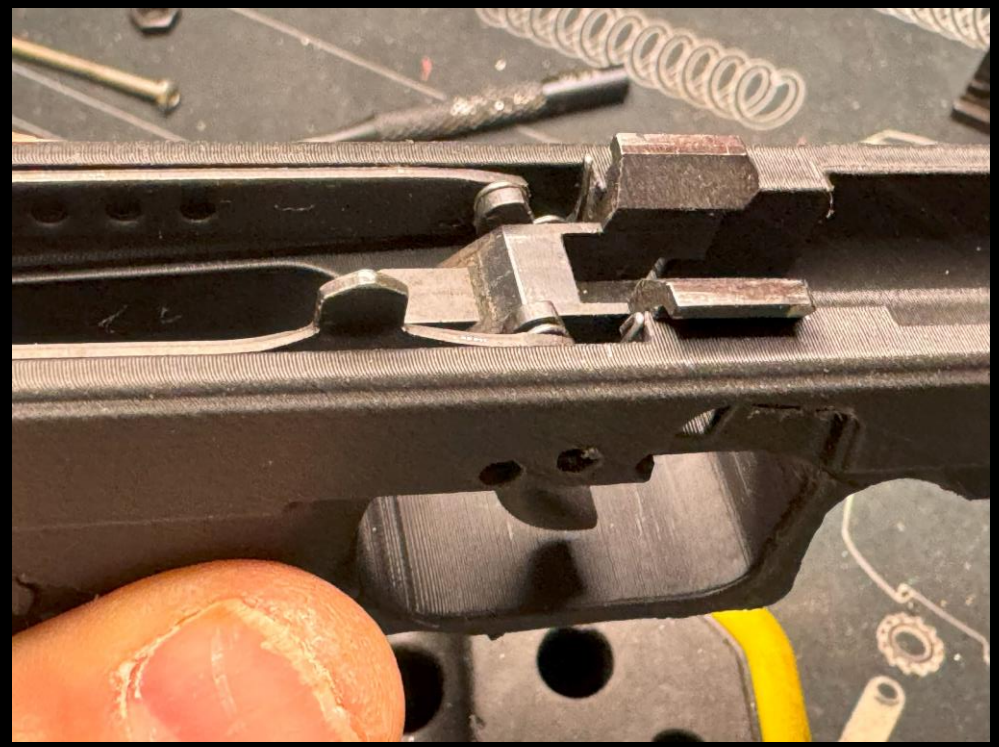
Your OEM spring would go in this hole:



Place the sear/trigger bar/and return spring assembly into the frame

Assembly Steps

Insert the cam block into the frame over the trigger

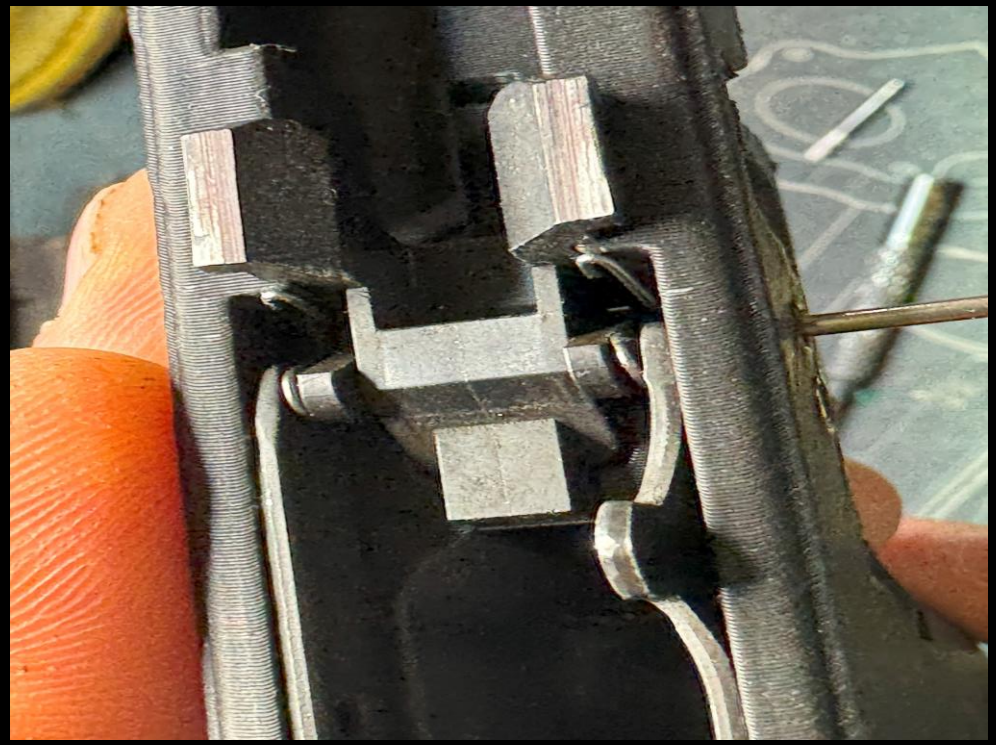


Install the rear pin (this one is slightly longer that the other 3)

Assembly Steps

Install the two pins on the left and right of the trigger pin.

Using a thin punch or wire, confirm alignment of the cam block, trigger, and trigger return springs.



Assembly Steps

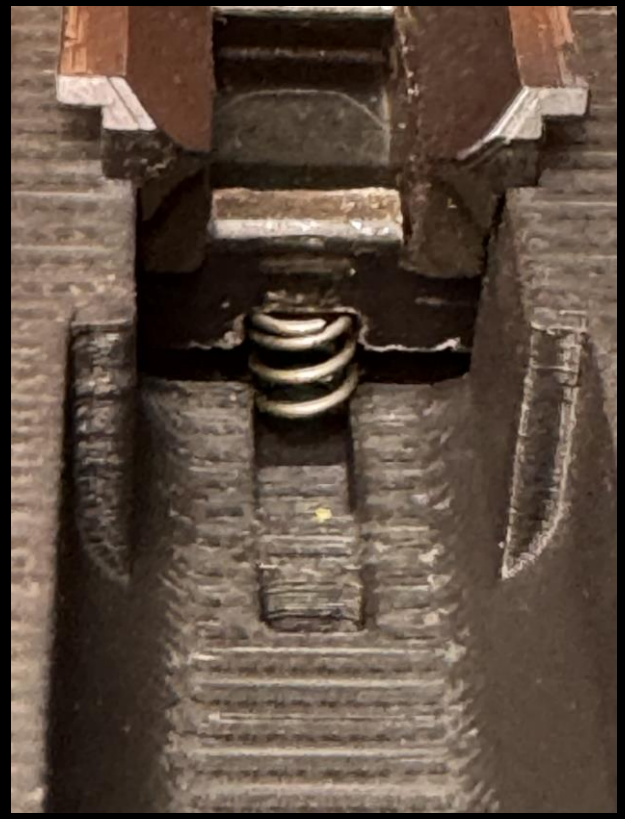
Carefully install the trigger pin. This pin must go through properly, or you will damage the springs.

Pro Tip: File a chamfer on the end of the trigger pin. This will help to thread through the springs without damaging them.

Assembly Steps

Place the assembly catch into the frame.

Using a small screwdriver carefully wedge the spring under the catch.



Assembly Steps

You can now install your slide and test function (without ammo).
Congratulations, you have built The Hornet!

Credits

Much thanks to FMDA and the Deterrence Dispensed Beta Room

P.S. There is a frame in the remix folder that will support the 15 round stendo for this gun. The magazine sucks and we couldn't ever get it to feed. If you want to have a go you can buy them off Gun Broker for about $50.

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In Conclusion

1.You should never have to pay for any files (or subscriptions for files)

2.Everything you want is available for free somewhere. Don't give the grifters your money.

3.Please modify and share freely.

4.Don't use Tinkercad, Maya, or 3dMAX to CAD. Use a program like Fusion360 or Solidworks so others can build on your work. (Include STEP files)

5.Have Fun and Be Safe

-UberClay