The Gatalog presents:

The KungPow33

BY UBERCLAY

Safety Advisory

For fuck's sake, you're building a firearm.

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 judgment.

If something doesn't add up – use common sense. Stop, inspect, and re-evaluate your previous actions and procedures.

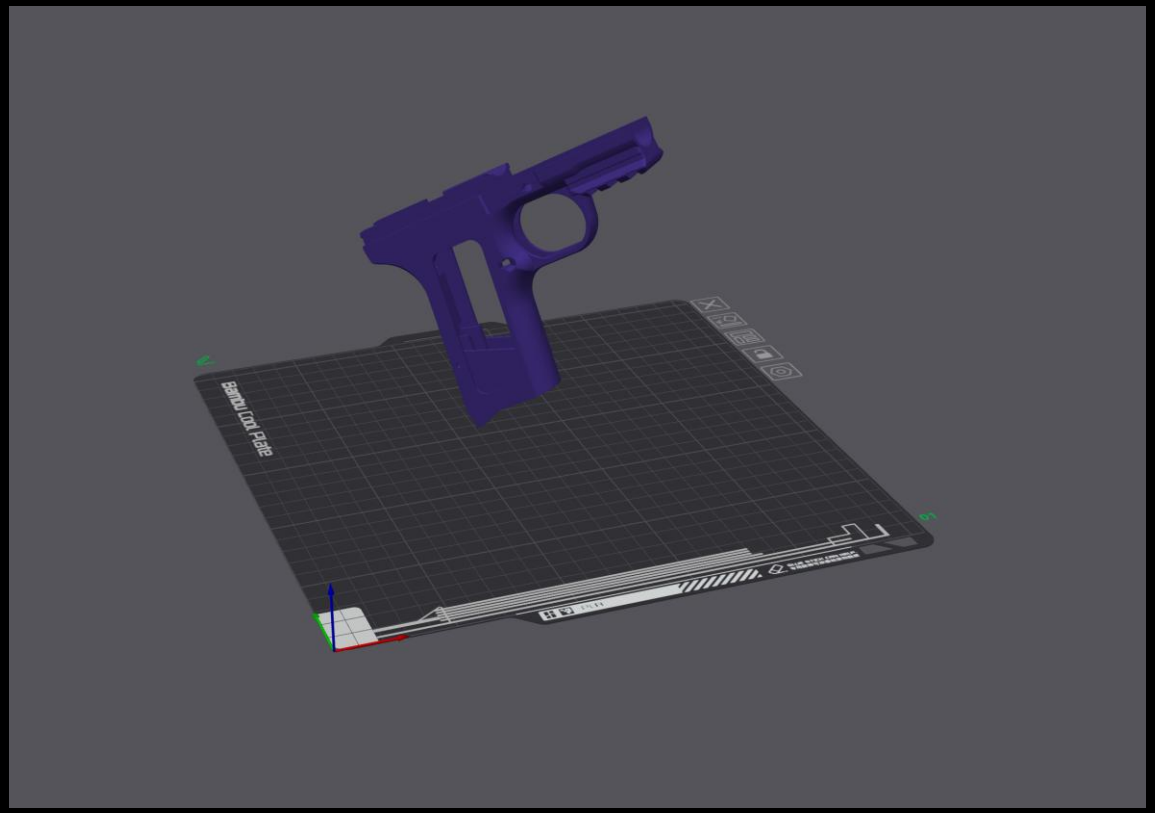
Remember that it is our shared responsibility to be safe and smart with firearms and show the world there is a peaceful way to own guns — take the time to get training, to learn basic (and advanced) safety rules, and to share the hobby with everyone interested. Those most scared of guns in the hands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

The KungPow33

The KungPow33 is a printable TT33 Style frame. Testing has been accomplished using 9mm and 7.62x25 in Norinco models 213, 54, and Zastava M57. There are many other variants this frame will work with, but because of the sheer variety of variants out there, I cannot guarantee it will function with everyone of them. ***ALSO- the magazine will determine the frame you use. For a deeper magazine, use the M54 (or M57) frame. For the shallow one use the M213 frame.***

Print Orientation and Settings

- 8 walls/100% infill
- Extruder 200C
- Bed 60C
- (30 degrees nose up)
- (or use your preferred settings if experienced, but print angle is necessary)
- .12-.16 layer height recommended
- (print the grips with the back of the grip flat to the bed)



A WORD ABOUT SUPPORT BLOCKERS

Use of support blockers is strongly suggested on the rear rails.

Adding additional tree supports can help stabilize the frame and ensure the pic rail prints well.

KungPow33 Rail

- You will need this rail from Riptide Rails

- Get it here: https://riptiderails.com/rail-kit-for-tokarev-tt-33.html

KungPow33 Parts List

A-Slide

B-Barrel

C-Barrel bushing

D-Recoil spring

E-Rear fire control group

F-Trigger spring

G-trigger spring pin

H-Trigger

I-Rail

J-slide lock retainer clip

K-Slide lock

L-Mag catch right

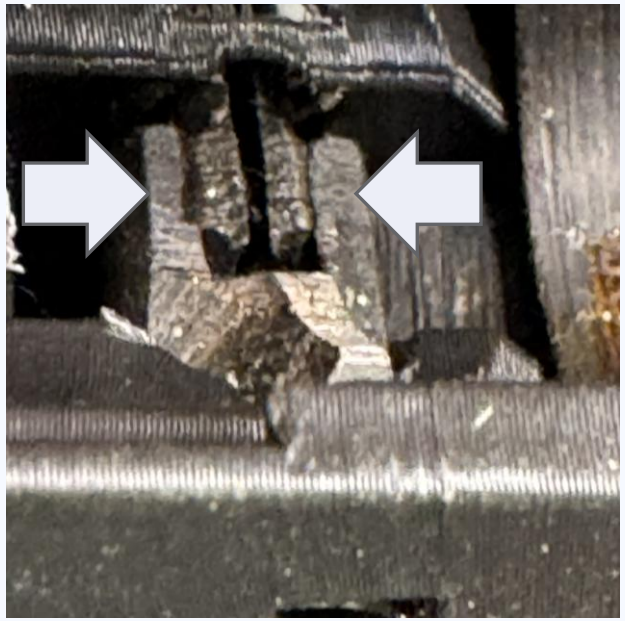
M-Mag catch left

N-Magazine

ASSEMBLY STEPS

- INSTALL THE MAG CATCH INTO THE FRAME. INSERT THE LEFT SIDE FIRST.

INSERT THE RIGHT SIDE OF THE MAG CATCH AND MAKE SURE THE ‘FORKS’ OF THE LEFT SIDE COMPRESS INTO THE RIGHT SIDE.



THIS IS THE CORRECT POSITION OF THE ‘FORKS’ COMPRESSED INTO THE MAG CATCH BEFORE SEATING

ASSEMBLY STEPS

PLACE THE TRIGGER RETURN SPRING PIN INTO THE FRAME. (THIS IS SIZED FOR THE MOST COMMON DIAMETER, BUT DRILL OUT TO ENLARGE IF YOURS IS BIGGER)

MAKE SURE THE PIN IS FLUSH AND KNOCK OFF ANY PLASTIC FLASHING THAT OCCURS FROM INSERTING THE PIN.

THE INSTALL THE TRIGGER RETURN SPRING BY HOOKING THE BOTTOM OF THE SPRING AROUND THE PIN

ASSEMBLY STEPS

- INSERT THE TRIGGER OVER THE MAG CATCH AND TRIGGER RETURN SPRING

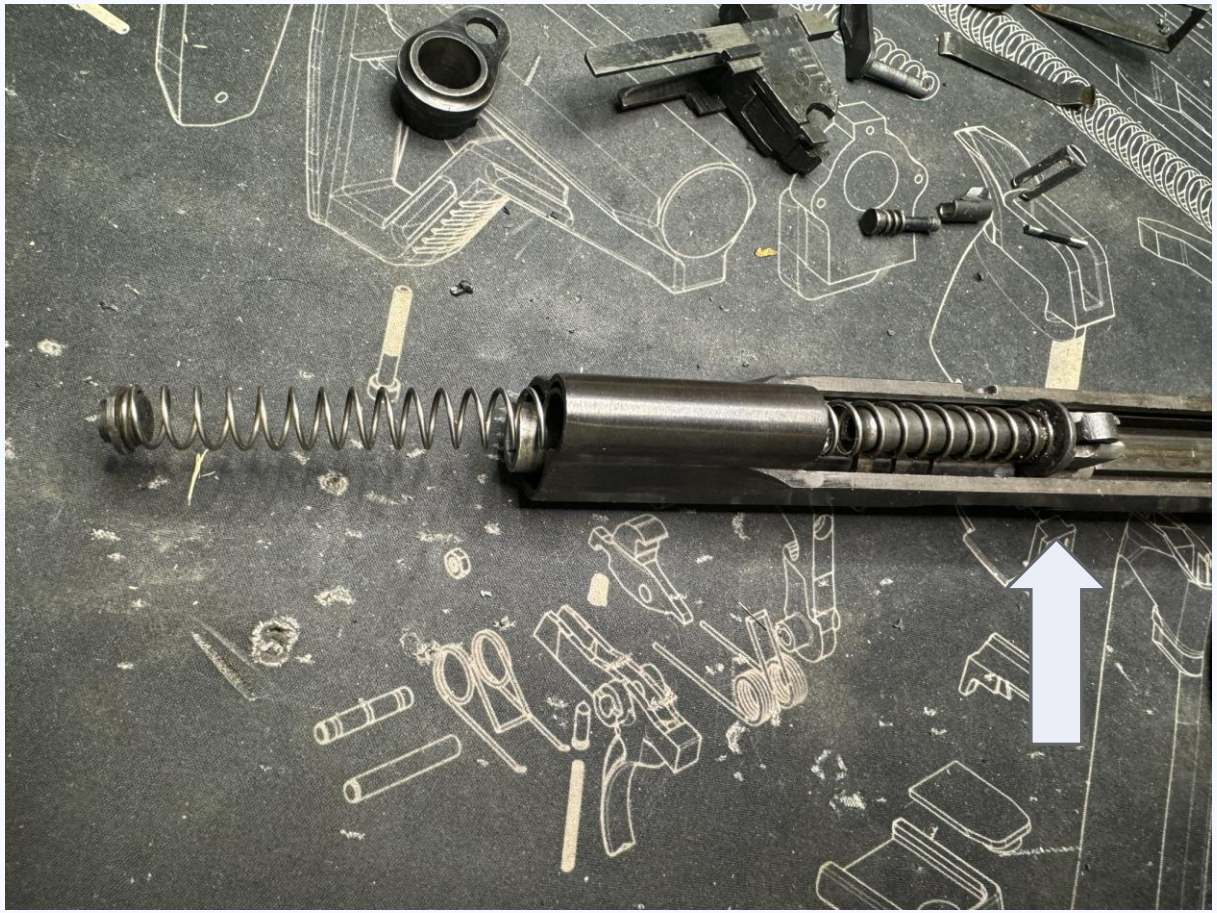
THE TRIGGER SHOULD ‘SNAP’ INTO PLACE

ASSEMBLY STEPS

- INSERT YOUR RAIL AND YOUR REAR FIRE CONTROL GROUP

INSERT THE BARREL INTO THE SLIDE FROM THE FRONT LIKE SO

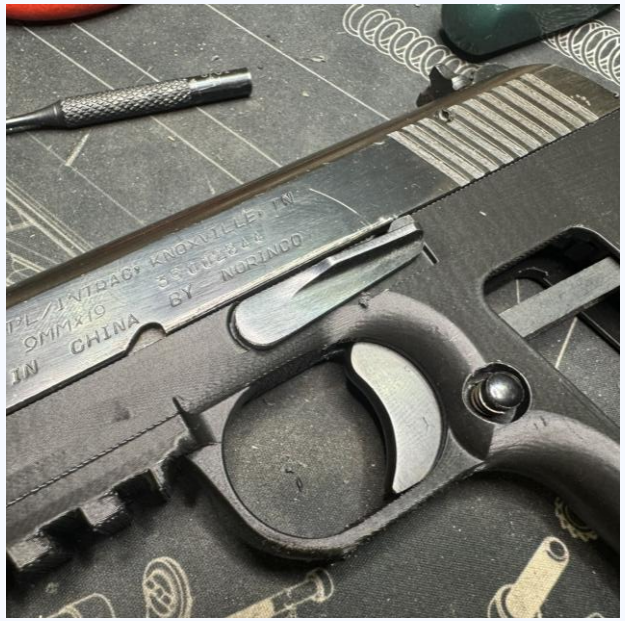
ASSEMBLY STEPS



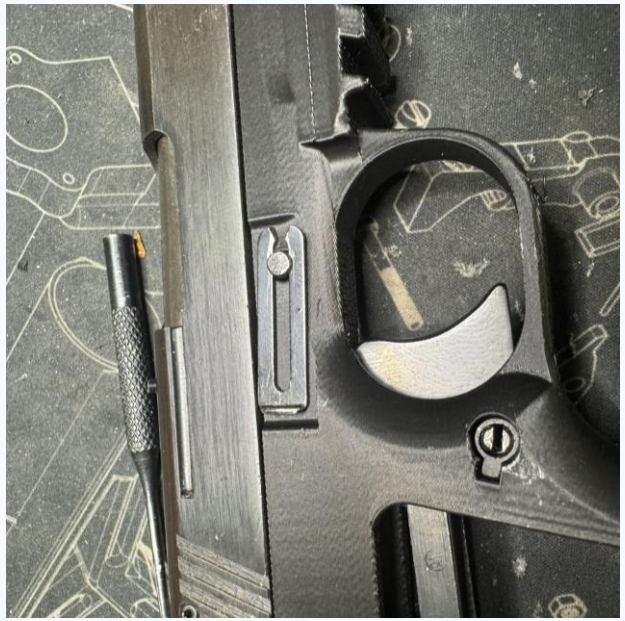
- SLIDE THE BARREL ALL THE WAY BACK AND THEN INSERT THE RECOIL SPRING THROUGH THE ***BACK*** OF THE SLIDE. SET THE SPRING GUIDE ON THE BARREL AND UP AGAINST THE BARREL LINKAGE.

ASSEMBLY STEPS

CAREFULLY INSTALL THE SLIDE ONTO THE FRAME FROM FRONT TO BACK. I USUALLY USE A PUNCH THROUGH THE BARREL LINK TO HOLD IT

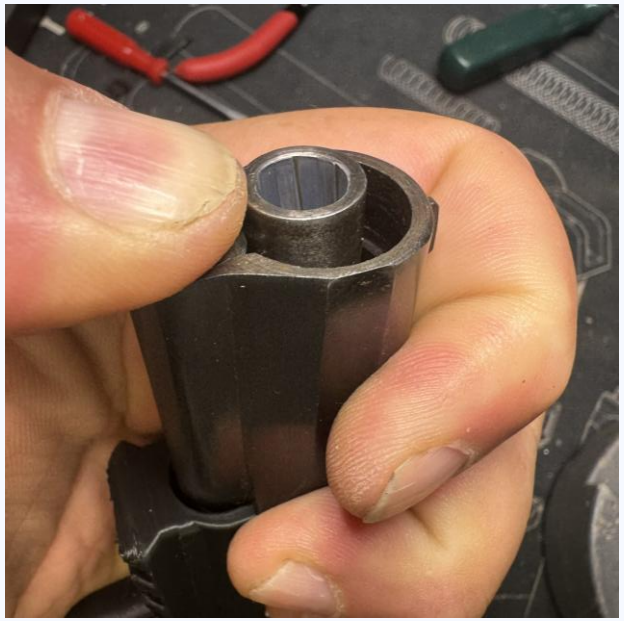


INSTALL THE SLIDE CATCH PIN THROUGH THE FRAME AND BARREL LINK

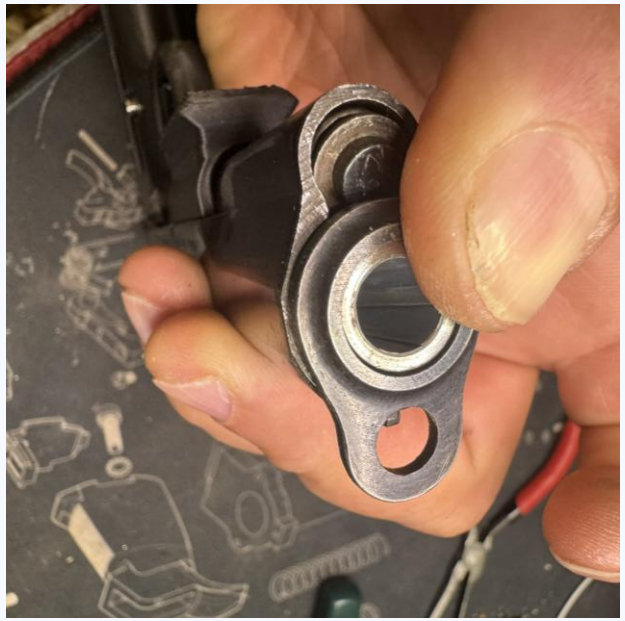


INSTALL THE RETAINING CLIP ONTO THE END OF THE SLIDE CATCH

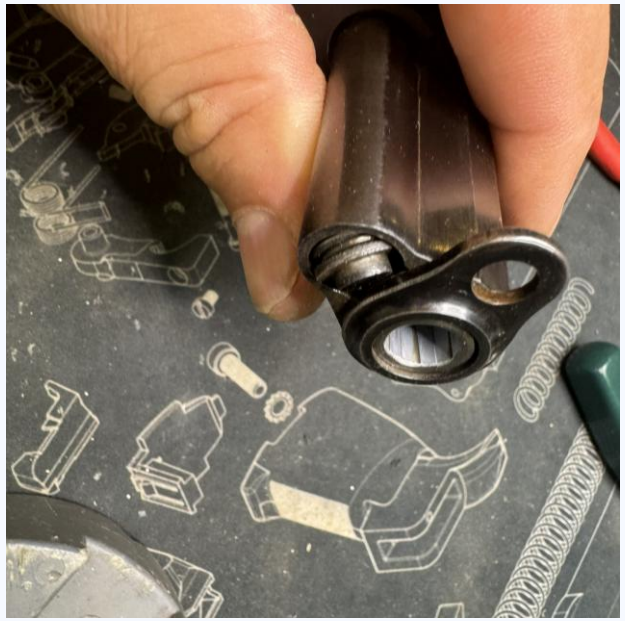
ASSEMBLY STEPS



- COMPRESS THE RECOIL SPRING WITH YOUR THUMB INTO THE SLIDE



PRESS THE BARREL BUSHING DOWN INTO THE SLIDE AROUND THE BARREL KEEPING THE RECOIL SPRING COMPRESSED UNDERNEATH



ROTATE THE BUSHING COUNTERCLOCKWISE TO ENGAGE THE BUSHING TABS INTO THE SLOTS

ASSEMBLY STEPS

- CONTINUE ROTATING THE BUSHING UNTIL THE END OF THE RECOIL SPRING SNAPS INTO ITS PLACE IN THE BUSHING

- INSTALL THE GRIPS (THE PRINTED ONES JUST SNAP IN) AND CONGRATULATIONS! YOUR ASSEMBLY IS COMPLETE.

Troubleshooting

Dodgy trigger/trigger pull: the better the print the better your trigger will work. Some break in helps with this as well. If your print is mid, you trigger will be also. Check calibration and reprint using a .12-.16 layer thickness. I have also encountered kits that were rough and benefited from some sanding on the top rear of the trigger bar. This is rare, but the QC on these guns was not great.

Use some loob

Some mag catches want to walk or back out. You will need to ‘tune’ the forks and spread them apart enough that the hooks catch on the other half and do not walk.

Credits

Maple for his selfless efforts to support dev projects across the board. You are one of Deterrence Dispensed unsung heroes.

Wonder9 for his early contributions.

Riptide Rails for helping me with rail prototypes.

And most importantly The Gatalog Beta Testers! Thank you most of all!!!

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