

northeast designs

Chimera Mk7

build guide



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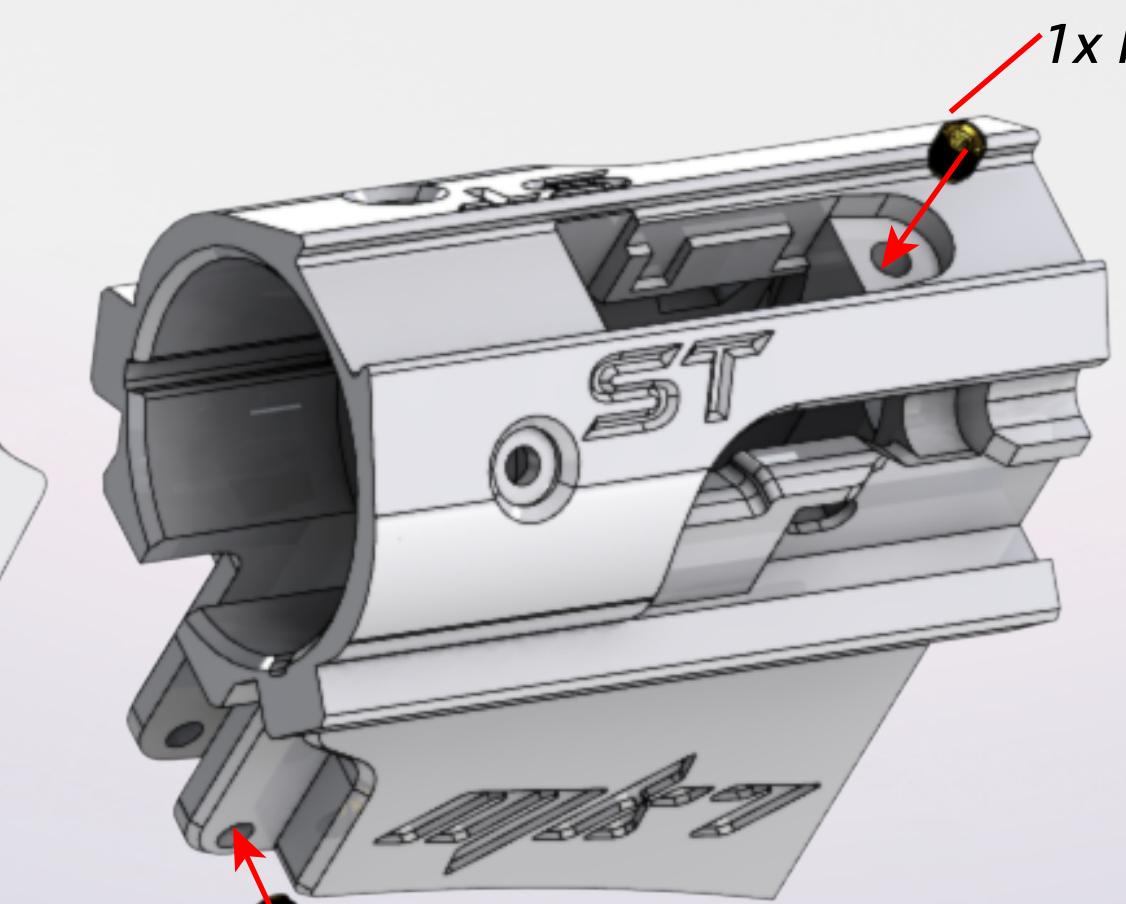
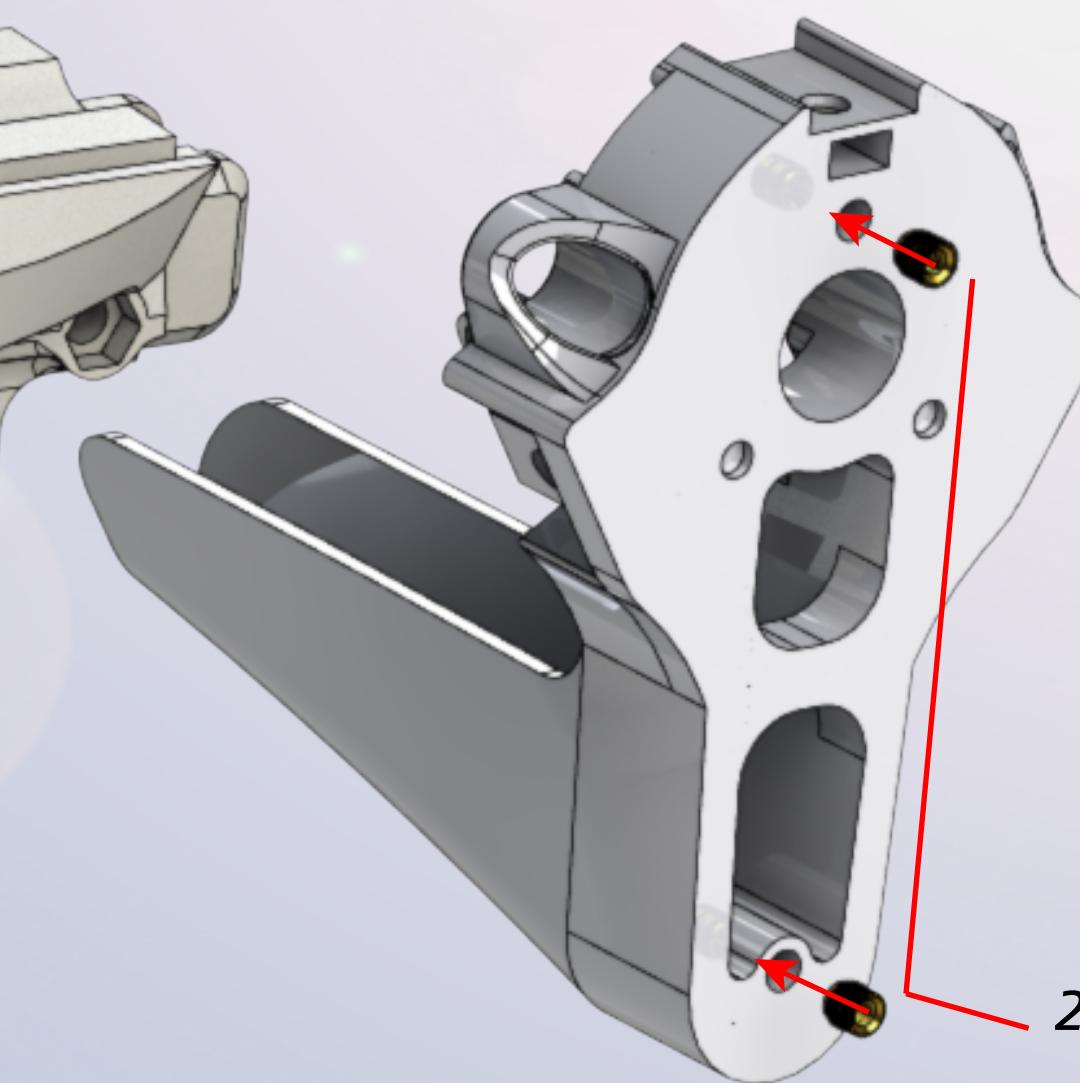
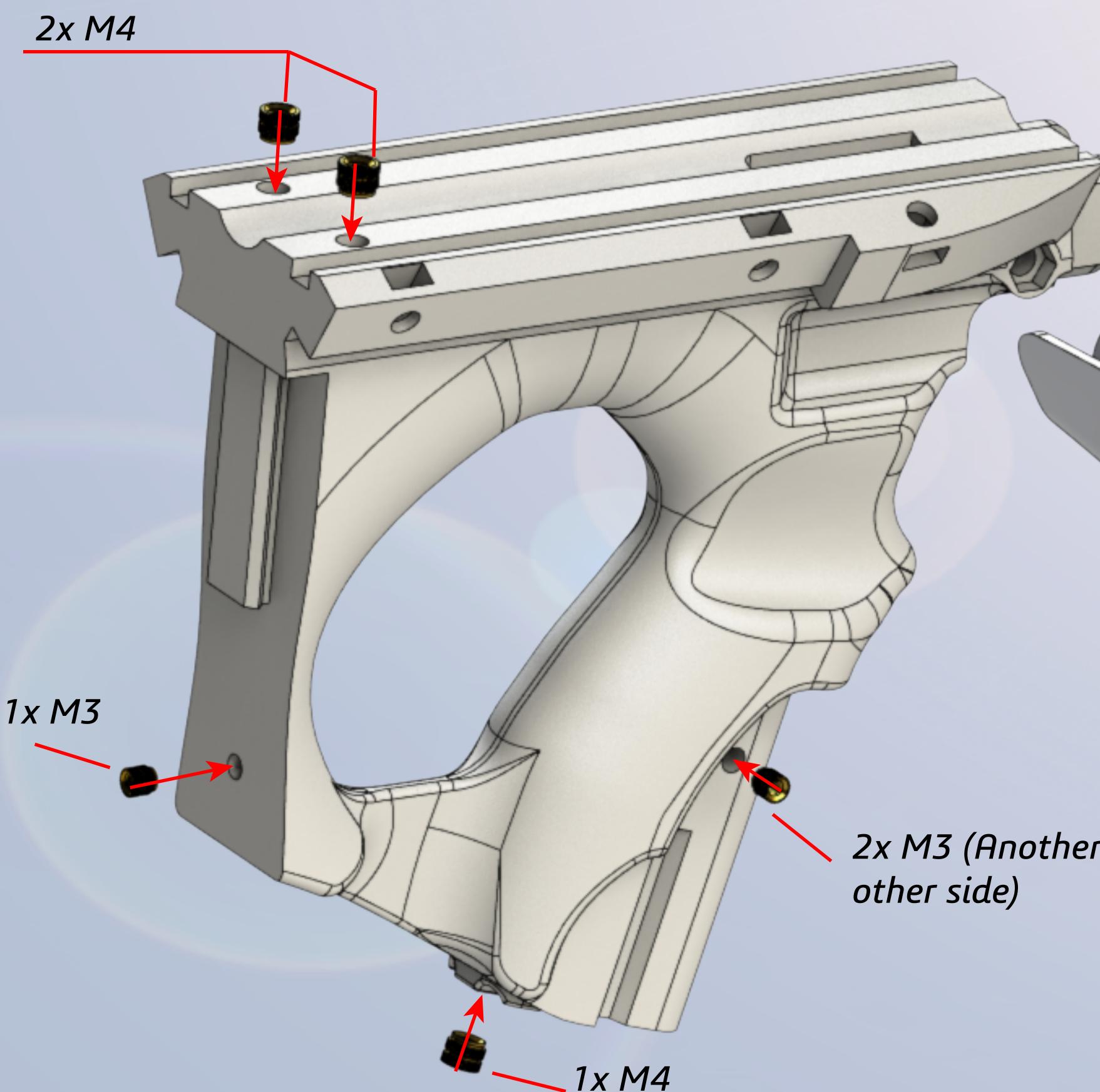
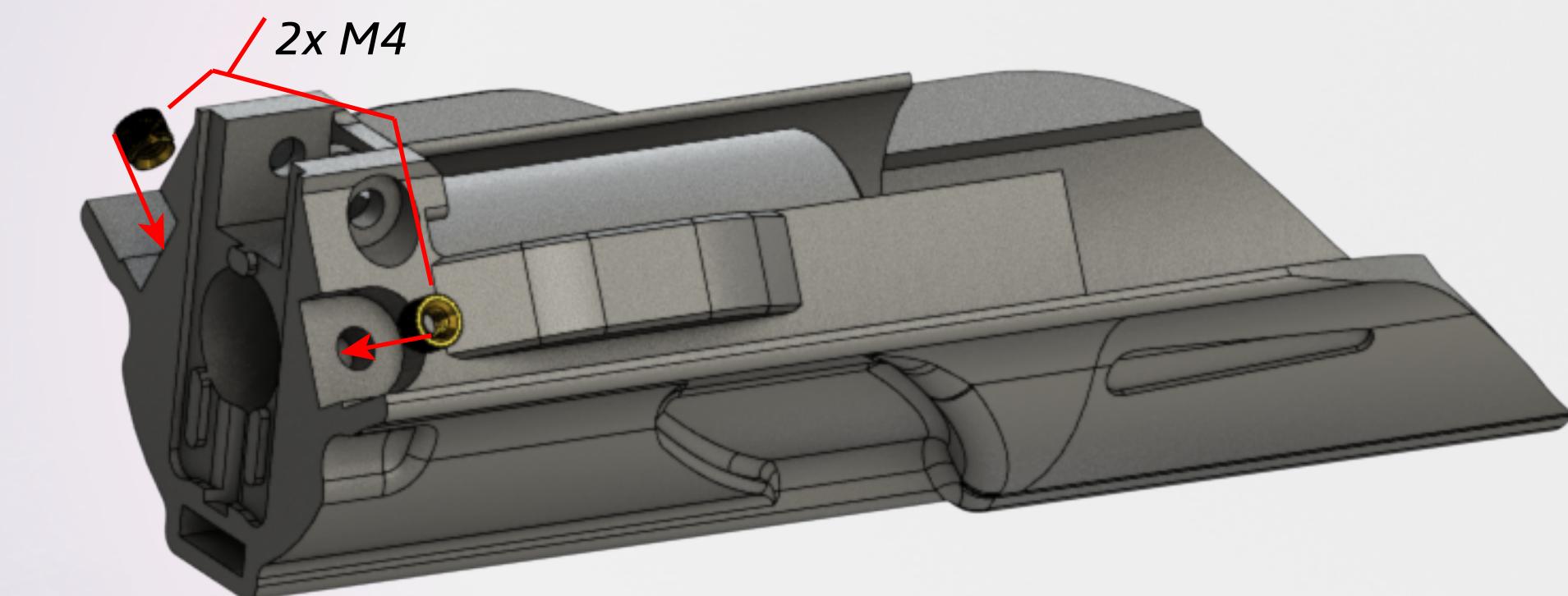
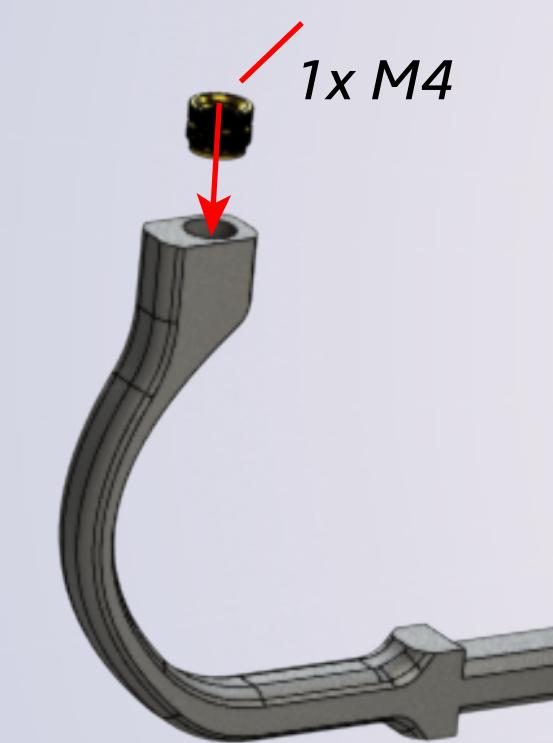
STEP ZERO: TOOLS REQUIRED

- 2.0MM Hex Key (Included)
- 2.5MM Hex Key (Included)
- Exacto Knife / Files to clean printed parts*
- Plastic Safe lube (Superlube O ring lube PTFE, or Oatey's Silicone Grease)*
- Soldering Iron for brass inserts (Can be substituted by drilling out insert mounting points and securing the inserts with superglue)*
- Pliers*
- 7mm wrench (Pliers will work in a pinch, wrench recommended)*
- 2x 3/8ths wrenches*
- Blue Loctite (Thread Locker)*

STEP ONE: INSTALL BRASS INSERTS

Install all inserts in the detailed locations using a soldering iron. Note that some are M3 and some are M4, pay attention to the notation. Extra inserts are included with your kit, do not install inserts in holes not designated for them.

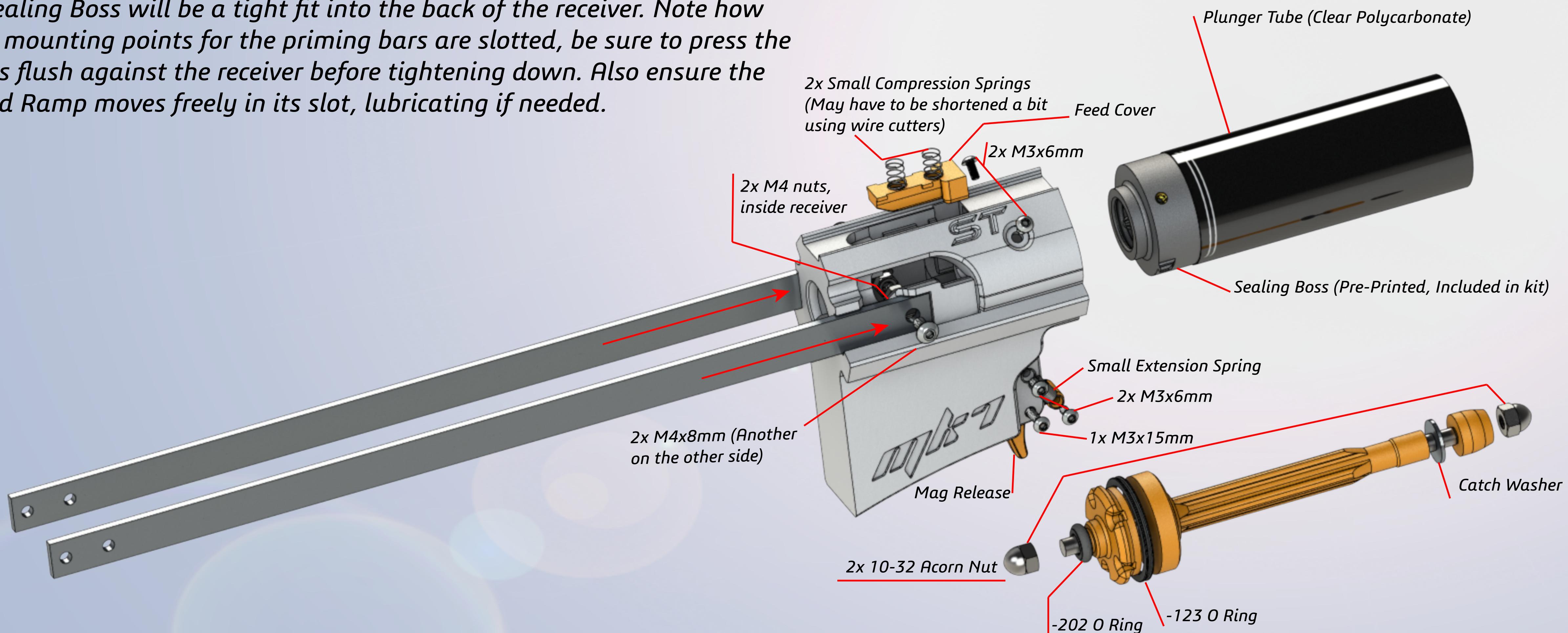
TOTAL INSERTS: 7x M3, 6x M4.



NOTE: On the mag release insert, run the M3x15mm screw through the backside first to clear out and glob of plastic left behind, that way it can install smoothly from the other side.

STEP TWO: RECEIVER AND PLUNGER

Build the Receiver and Plunger as shown. Be aware that the plunger tube / Sealing Boss will be a tight fit into the back of the receiver. Note how the mounting points for the priming bars are slotted, be sure to press the bars flush against the receiver before tightening down. Also ensure the Feed Ramp moves freely in its slot, lubricating if needed.



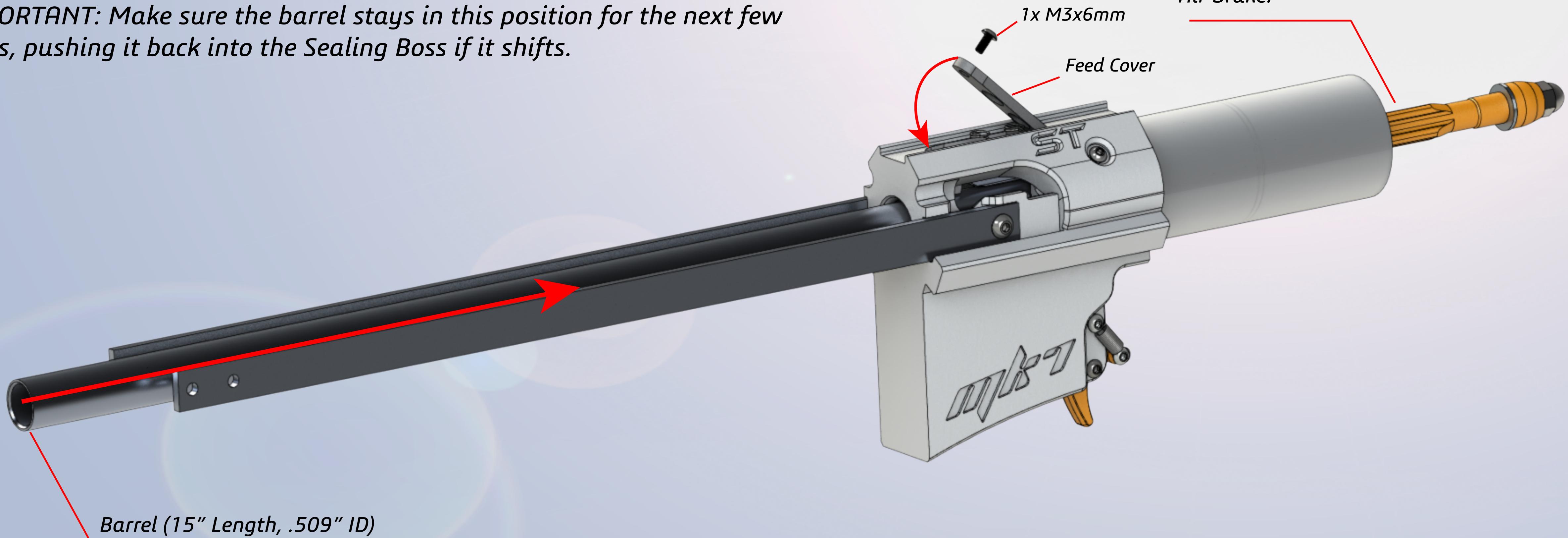
WARNING WARNING: IT IS CRUCIAL THAT YOU APPLY BLUE LOCTITE (THREAD LOCKER) TO THE PLUNGER THREADED ROD ON BOTH ENDS, AND TIGHTEN IT DOWN SNUG. IF YOU DO NOT APPLY LOCTITE YOUR PLUNGER WILL EVENTUALLY LOOSEN ITSELF AND FALL APART.

STEP THREE: FEED COVER

Latch the Feed Cover into the slot on the back, and carefully lever it down into its slot. Make sure the Feed Ramp springs properly seat in the cut-outs on the cover. Once it's down, secure it to the receiver with a M3x6mm screw. Make sure the Feed Ramp moves freely after install. After that, install the Barrel into the Receiver until it seats into the Sealing Boss. Be sure to lubricate the end of the barrel to ease installation.

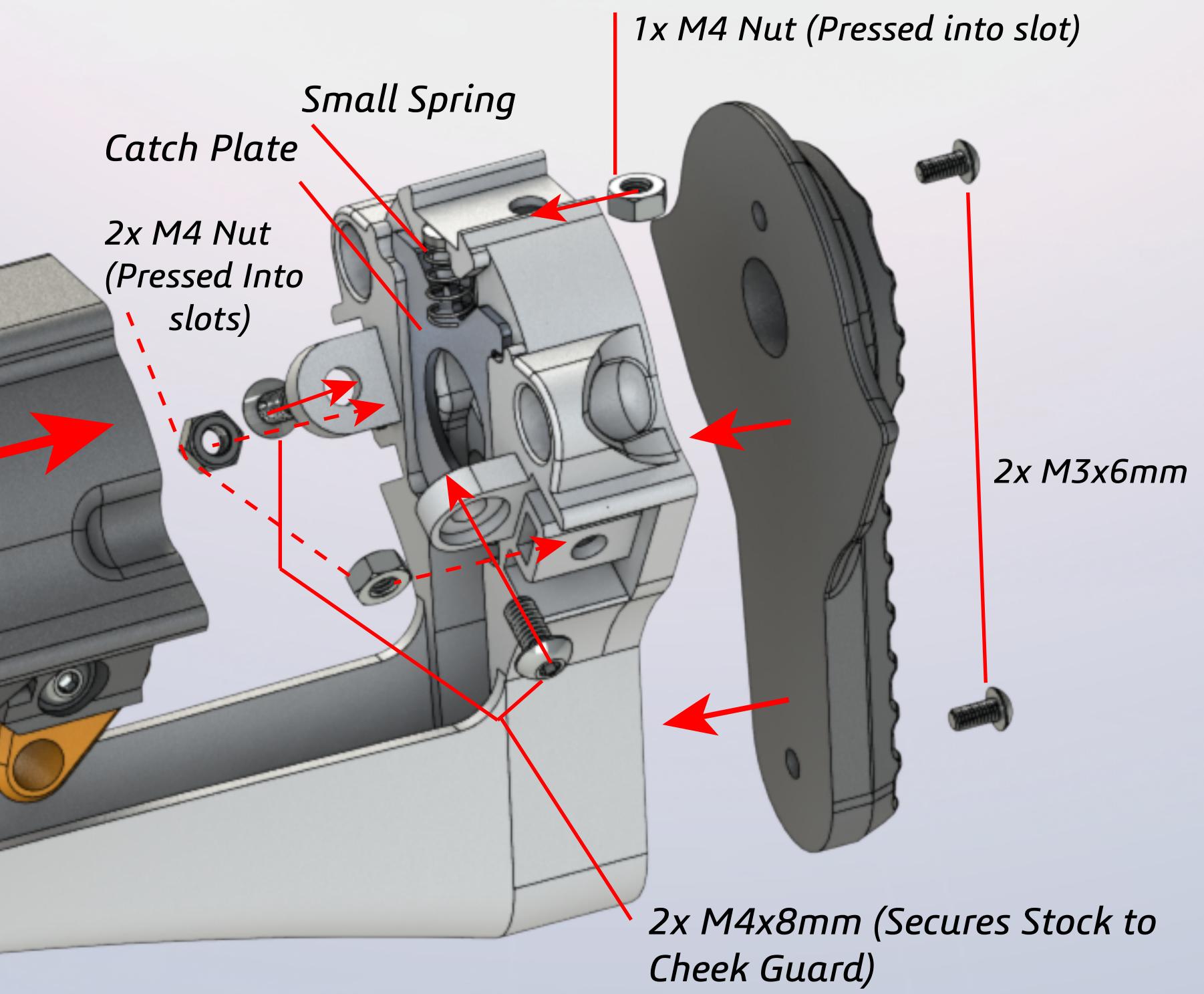
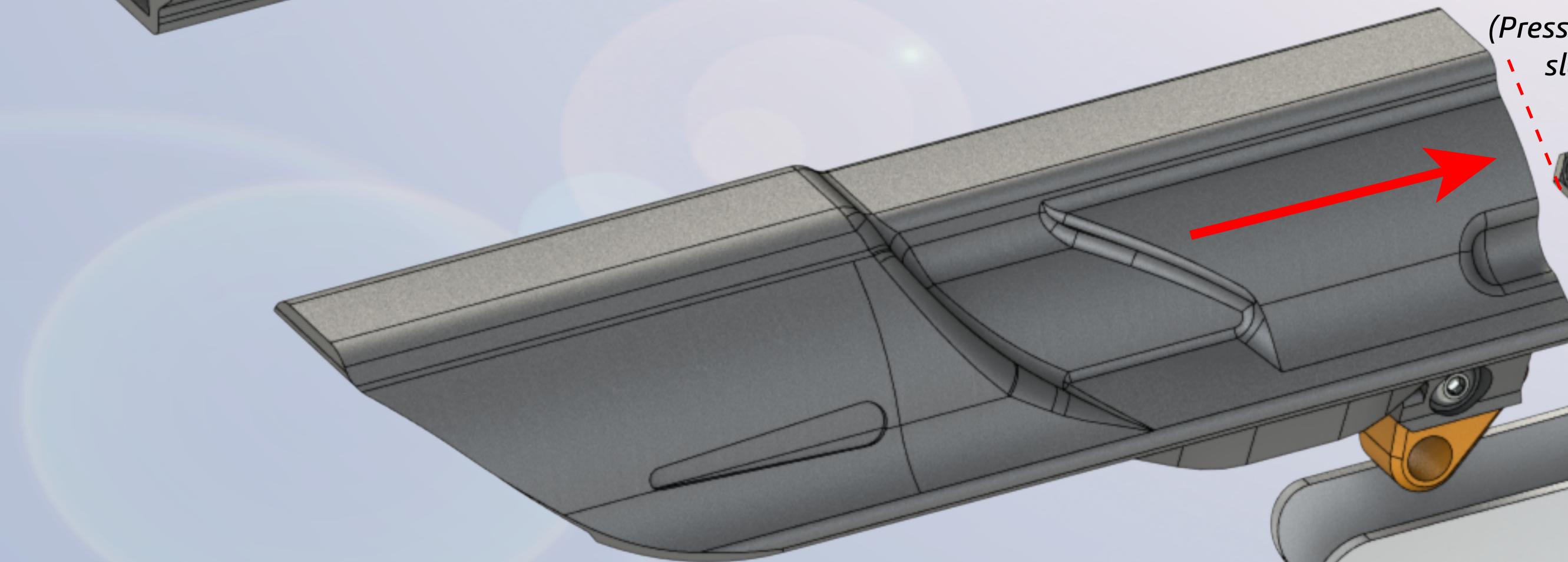
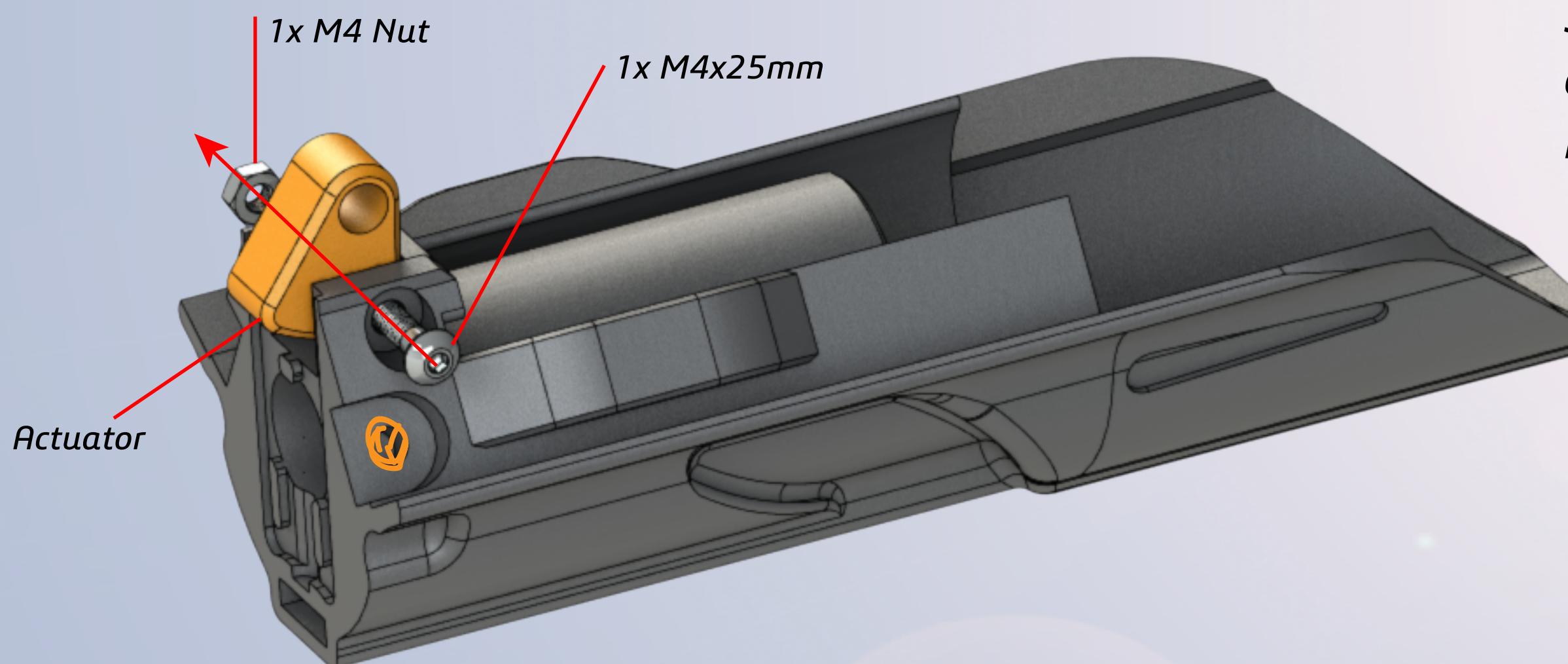
IMPORTANT: Make sure the barrel stays in this position for the next few steps, pushing it back into the Sealing Boss if it shifts.

Install the Plunger into the PT. Be sure to lubricate both the tube and the head well, including the Air Brake O ring. Cycle the plunger in and out to spread the lube, also cycling in and out of the Air Brake.

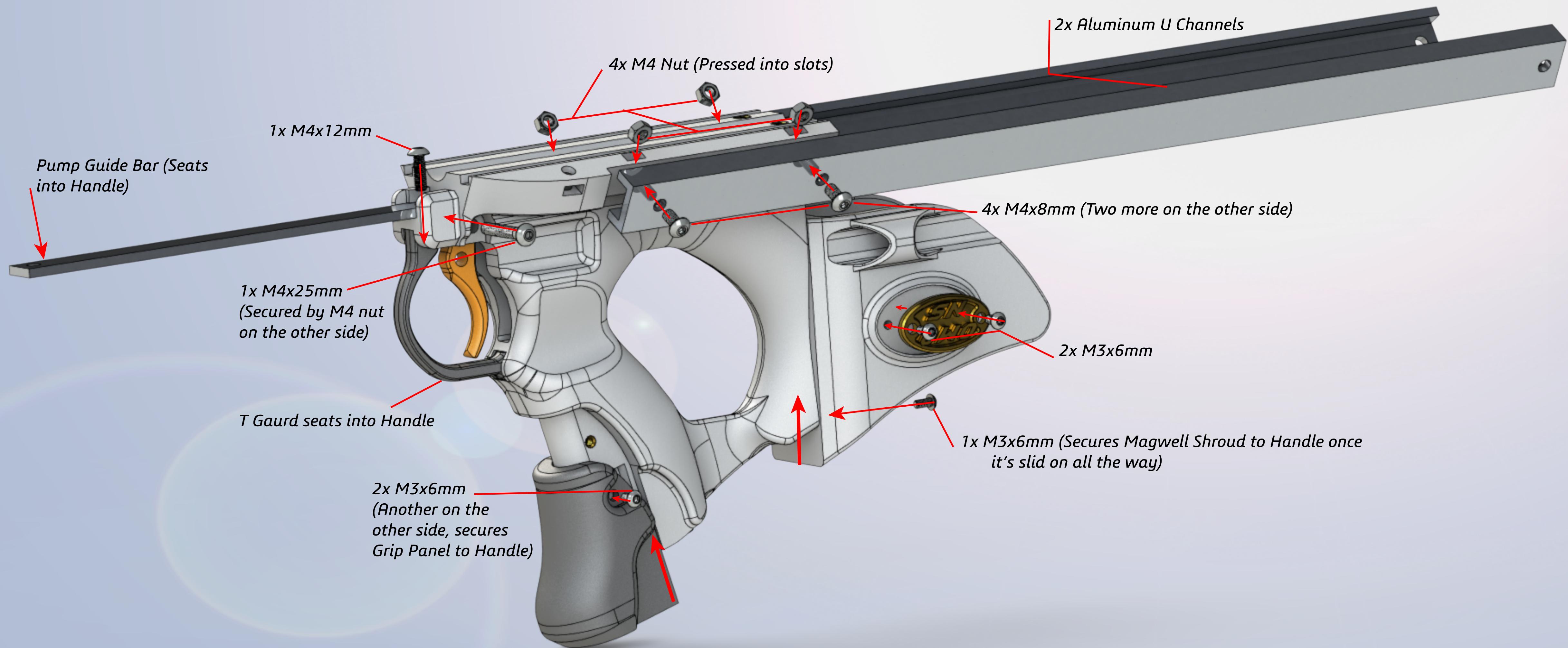


STEP FOUR: STOCK

Build the stock and catch as shown. **IMPORTANT:** Lubricate all faces the catch rides on, as well as the Catch Plate itself (Use the same lube as used on the Plunger). You will have to pull back slightly on the actuator as you install the Cheek Guard onto the Stock, so that it seats under the Catch Plate. After you're done, ensure the catch moves smoothly by rotating the Actuator by hand.



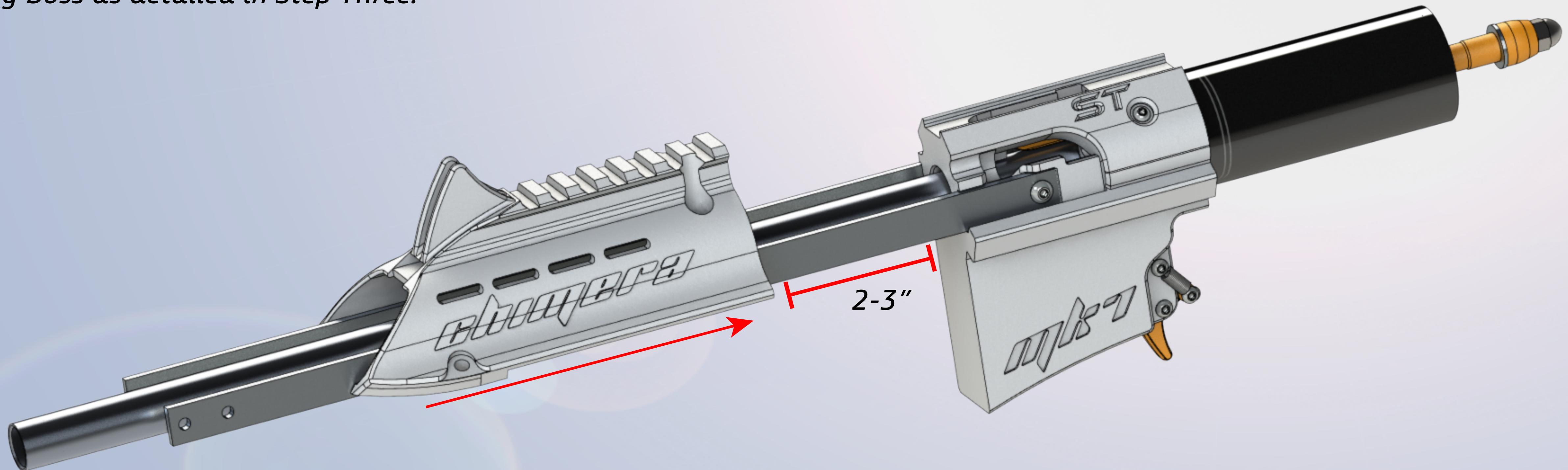
STEP FIVE: HANDLE



STEP SIX: INSTALL FRONT RAIL

Slide the Front Rail over the Barrel and Priming Bars.

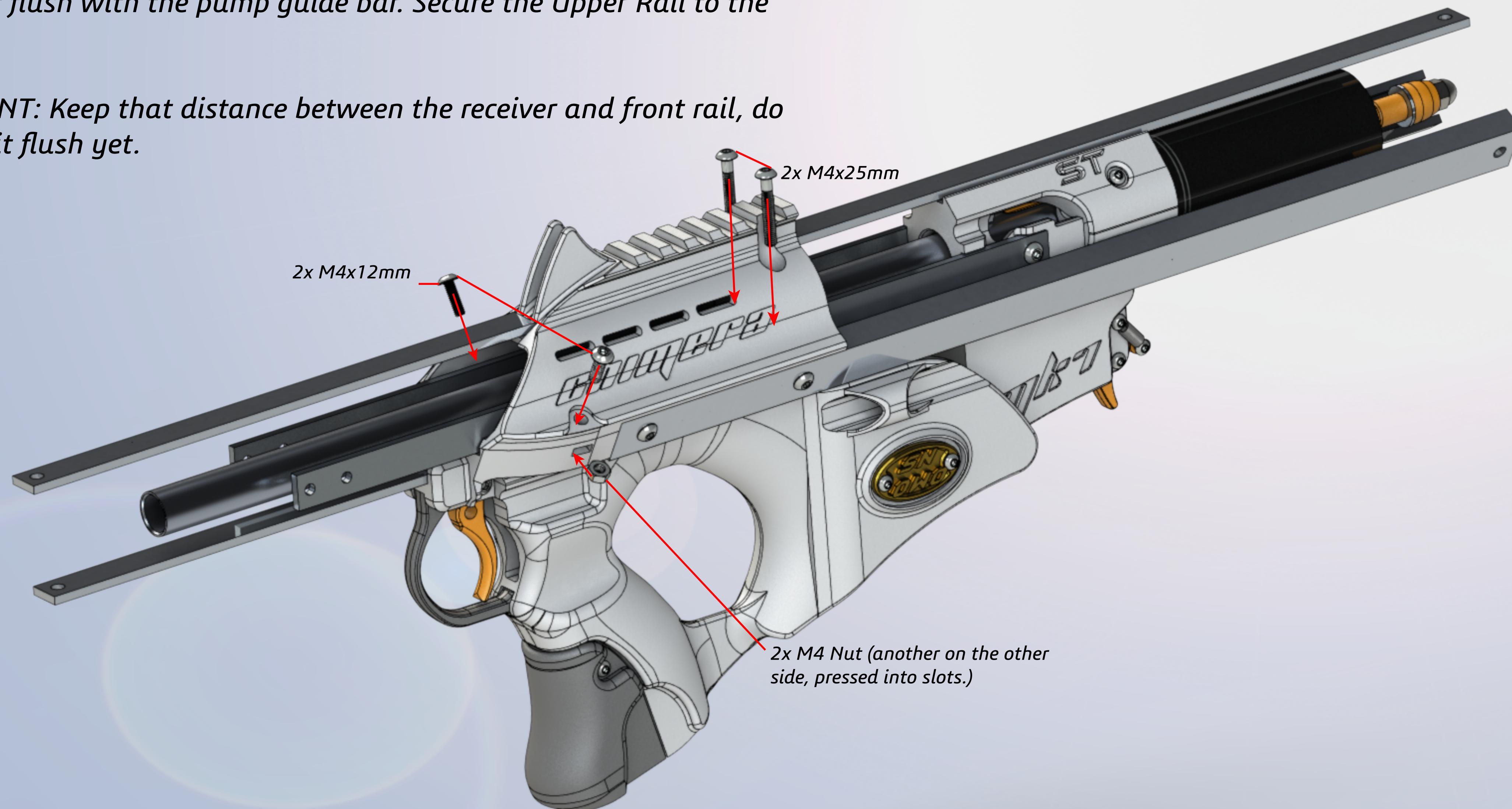
IMPORTANT: Do not seat the Front Rail flush against the receiver yet, leave about 2-3" between them. Keep this distance until advised otherwise, making sure the barrel stays seated in the Sealing Boss as detailed in Step Three.



STEP SEVEN: HANDLE + RECEIVER

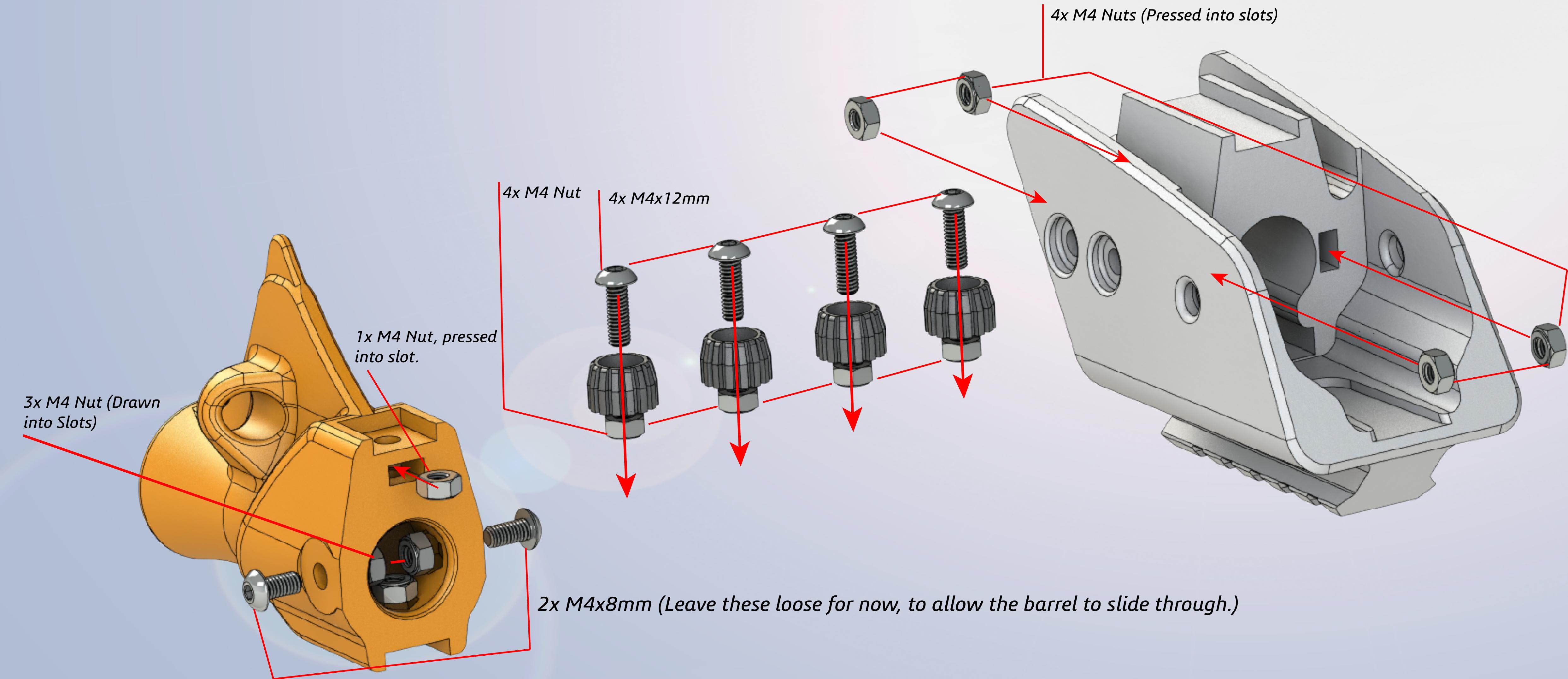
Slide the Receiver assembly onto the U channels, until the Upper Rail latches onto the handle. Feed the top bar through the Upper Rail, until it sits about flush with the pump guide bar. Secure the Upper Rail to the Handle.

IMPORTANT: *Keep that distance between the receiver and front rail, do not push it flush yet.*



STEP EIGHT: MUZZLE & THUMBSCREWS

*Make sure the thumb screws are **TIGHT**, so they stay together as you take apart the blaster in the future.*



STEP NINE: INSTALL PUMP & MUZZLE

Slide on the pump, seating the priming bars and securing it with 4x M4x12mm screws. Slide the muzzle over the two flat bars, securing it with an M4x12mm on top and a M4x8mm on the bottom.

IMPORTANT: Keep that distance between the receiver and front rail, do not push it flush yet.



STEP TEN: SECURE BARREL

Finally, slide the whole Receiver to sit flush with the handle using the pump grip. There will be some resistance as the barrel feeds through the front rail and muzzle. If the barrel gets stuck, make sure the two set screws on the side of the muzzle are loose enough for it to slide through.

Once everything is seated flush, mount the barrel by tightening the two set screws (one at a time, alternate every~.75 turns). Do this until the barrel is held tight.



Note: You can "trim" the barrel side to side using these thumb screws. If your blaster fires off the one side, loosen the alternate side's thumbscrew a bit and then tighten the other side's screws. Repeat this process until the blaster fires perfectly straight and true.

STEP ELEVEN: ASSEMBLE TRIGGER LINKAGE

Assemble the T Link rods as shown. Tighten the rods through the slotted nuts a fair amount, and then lock the rods down with the outside nut.



STEP TWELVE: INSTALL LEFT T-LINKAGE

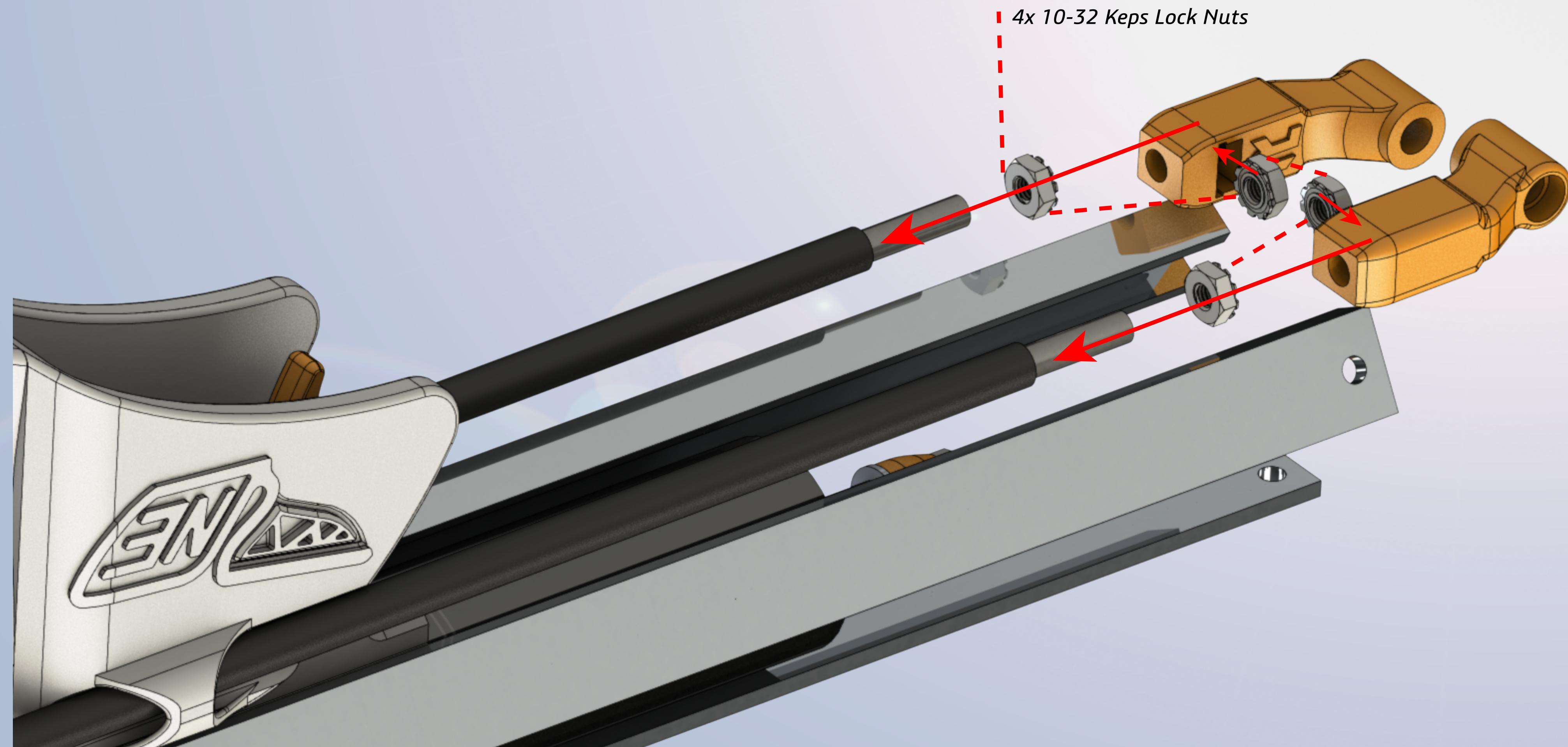


STEP THIRTEEN: INSTALLL RIGHT T-LINKAGE



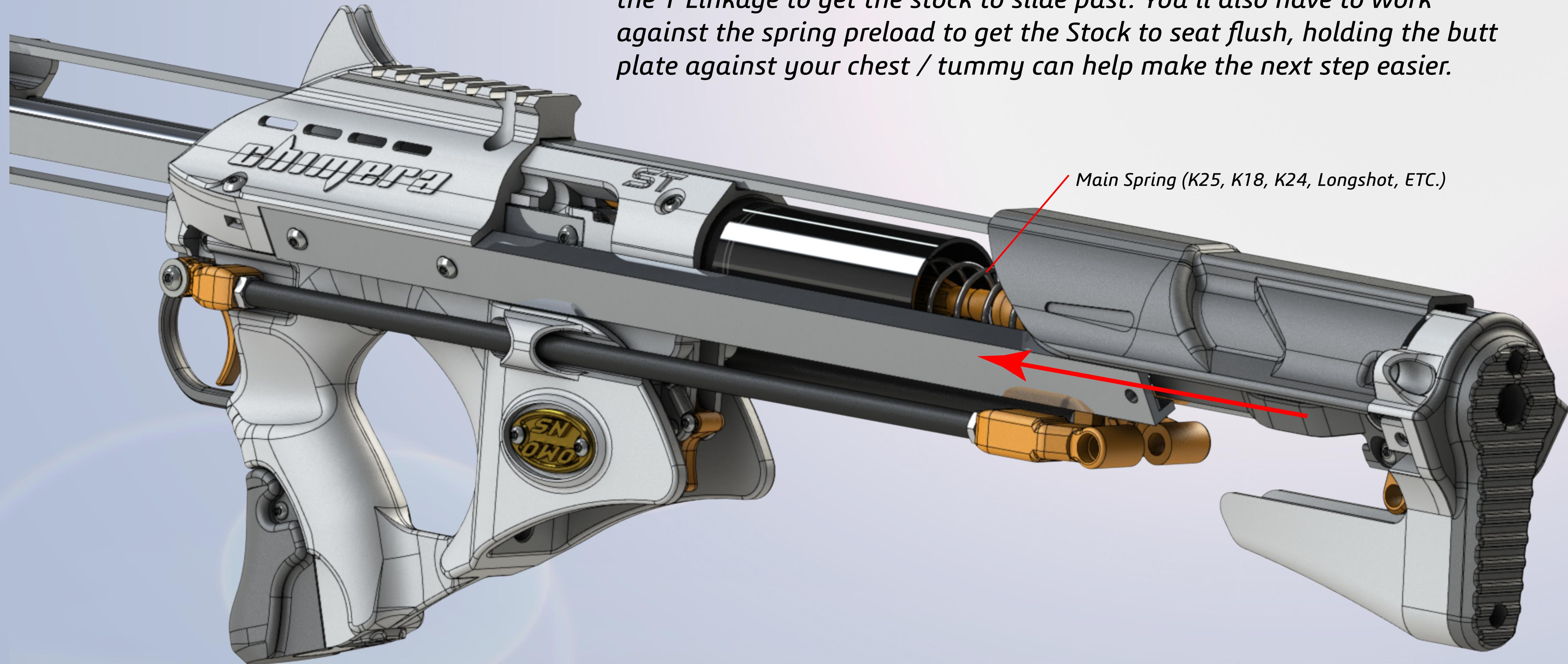
STEP FOURTEEN: INSTALL REAR T-LINK KNUCKLES

Install the two rear T-Link knuckles as shown. For now, just tighten the outside nuts against the nylon covers, and spin the rear knuckles down until they sit flush, locking the outside nut against the knuckles with a wrench. Later on, the trigger can be tuned by altering the distance between the knuckles.

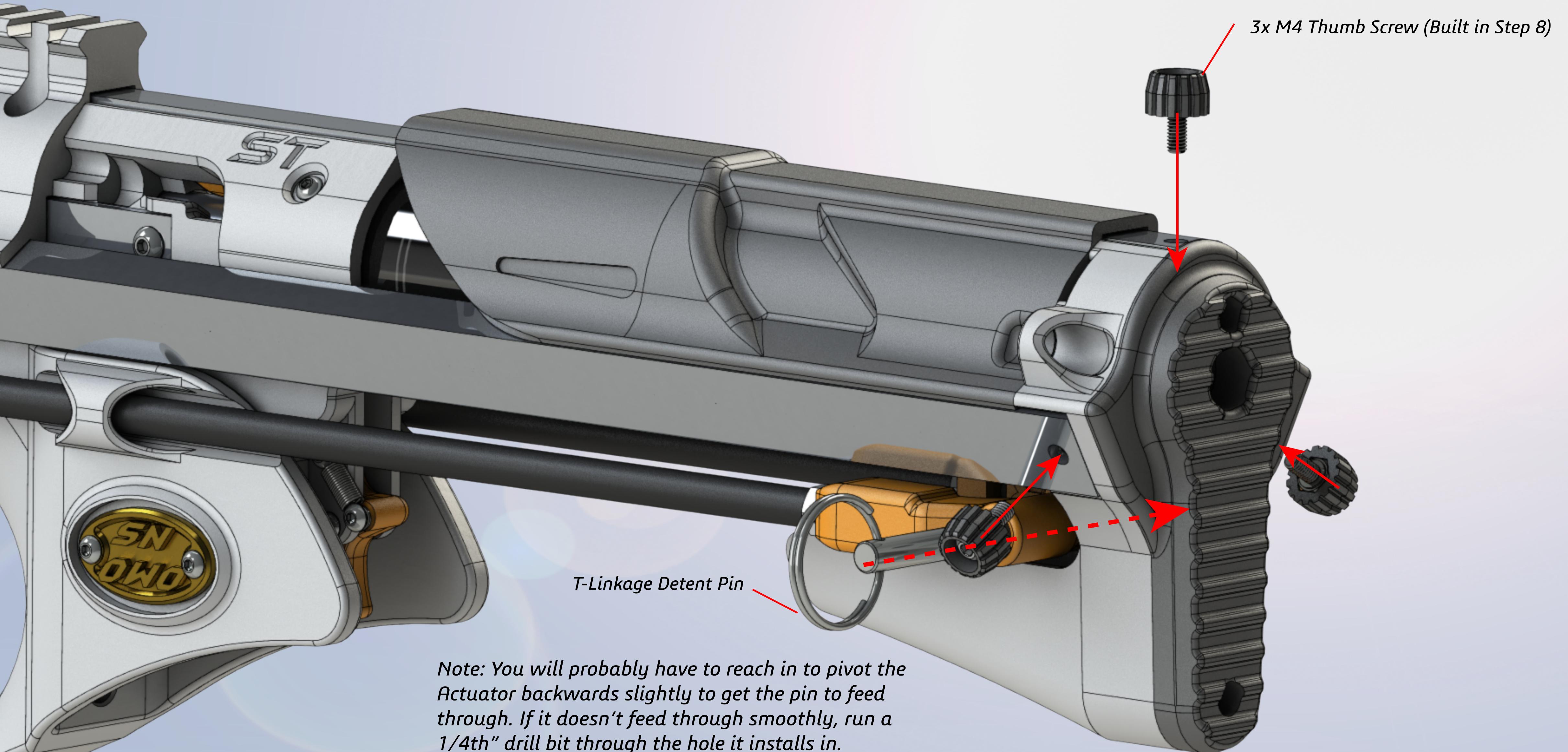


STEP FIFTEEN: INSTALLL SPRING & STOCK

First, slide your main spring over the plunger. Afterwards, slide the stock assembly over the U channels until it seats. You may have to fiddle with the T Linkage to get the stock to slide past. You'll also have to work against the spring preload to get the Stock to seat flush, holding the butt plate against your chest / tummy can help make the next step easier.

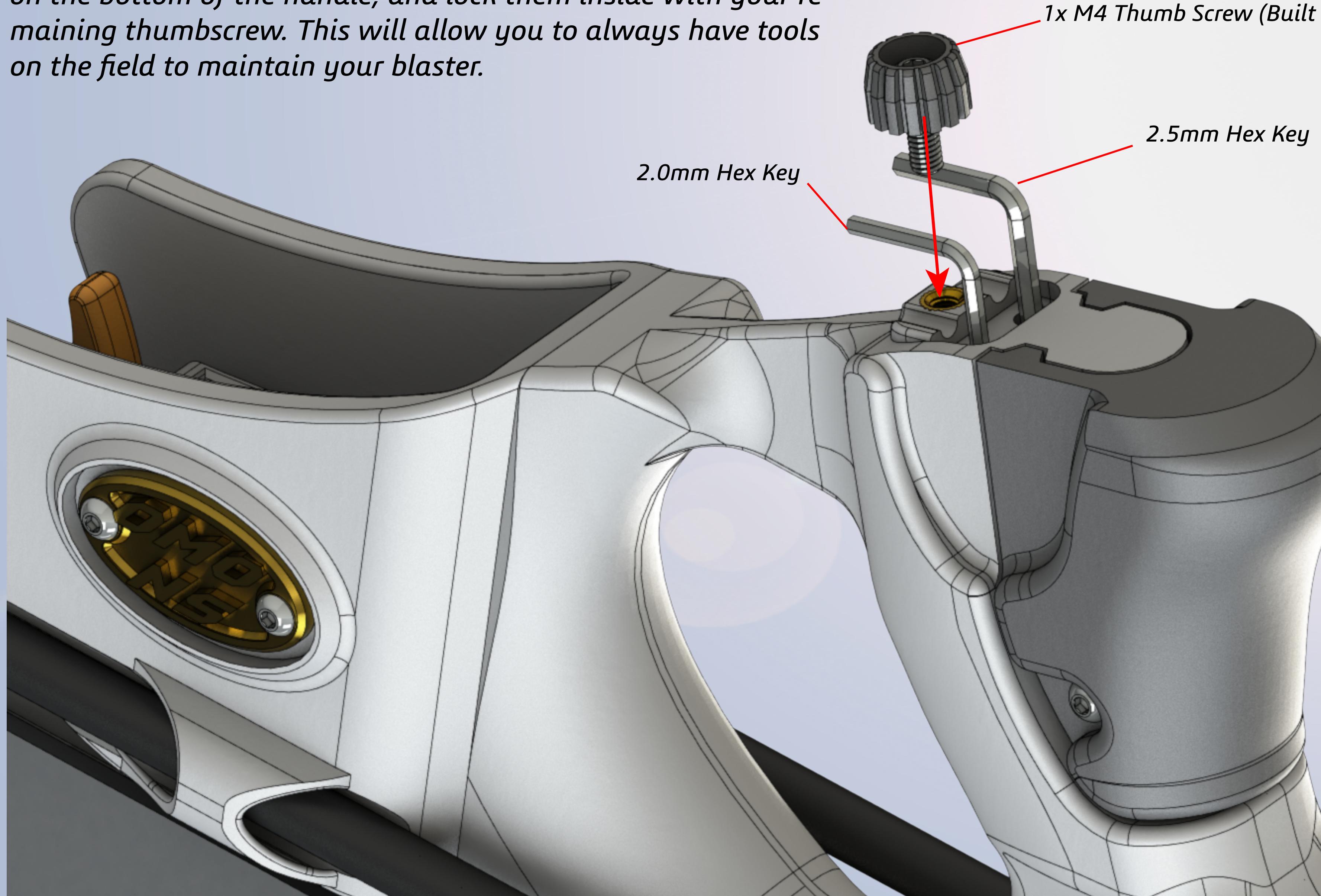


STEP SIXTEEN: INSTALLL THUMB SCREWS & PIN



STEP SEVENTEEN: STORE HEX KEYS

ALMOST DONE! Install the two included Hex Keys in the holes on the bottom of the handle, and lock them inside with your remaining thumbscrew. This will allow you to always have tools on the field to maintain your blaster.



DONE!

With that, your Chimera is complete! Please refer to the Handling Guide to learn how to operate. If you have any issues, the NED Discord Channel is here to help! <3

