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ULTRA DUTY™ LOWER PARTS KIT

INSTALLATION INSTRUCTIONS

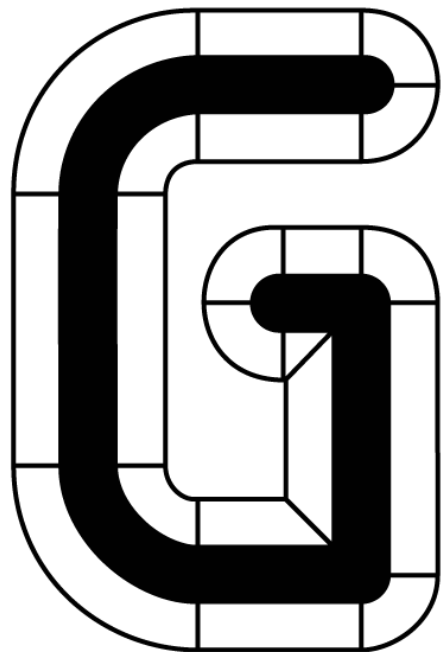
MARITIME BOLT CATCH, SUPER CONFIGURABLE SAFETY,
GEISSELE ULTRA PRECISION™ 5 AXIS TRIGGER GUARD

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The Geissele Ultra Duty Lower Parts Kit

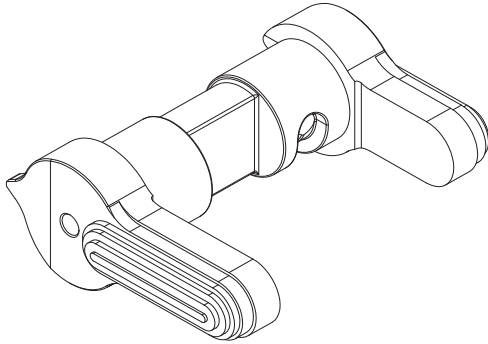
1. Takedown Pin & Pivot Pin Detents (2)
2. Takedown Pin & Pivot Pin Springs (2)
3. Checkered Takedown Pivot Pin
4. Bolt Catch Plunger
5. Bolt Catch Spring
6. Bolt Catch Coiled Pin
7. Maritime Bolt Catch
8. Safety Detent
9. Buffer Retainer
10. Buffer Retainer Spring
11. Safety Detent Spring
12. Checkered Takedown Pin
13. Magazine Release Button
14. Magazine Release Spring
15. Super Configurable Safety Selector
16. Magazine Catch
17. Coiled Trigger Guard Pin
18. Geissele Ultra Precision™ 5 Axis Trigger Guard
19. Hex Key



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GEISSELE SUPER CONFIGURABLE SAFETY

Installation Instructions

READ THIS FIRST

Firearm safety is **YOUR** responsibility. You must memorize and put into practice the 4 Rules of Firearm Safety:

1. **ASSUME EVERY WEAPON IS LOADED.**
2. **KEEP YOUR FINGER OFF THE TRIGGER UNTIL YOU ARE READY TO SHOOT.**
3. **DO NOT LET THE MUZZLE POINT AT ANYTHING YOU ARE NOT WILLING TO DESTROY.**
4. **KNOW YOUR TARGET AND WHAT IS BEYOND.**

TOOLS NEEDED

- Large Flat Head Screwdriver (at least 3 1/2" long shaft) or appropriate hex driver for your grip screw if not a flat head
- 1/16" small punch or equivalent tool to depress plunger

PARTS NEEDED

- Safety selector detent spring
- Safety selector detent
- Geissele Super Configurable Safety Selector body, short arm ambi lever, long arm ambi lever
- Pistol Grip
- Pistol Grip Screw and washer

REMOVAL OF PISTOL GRIP

Follow steps 1 through 3 if you are installing in a complete Lower Receiver. If you are installing in a stripped lower receiver, skip to step 4 in the Installation Instructions.

1. Remove the pistol grip if already assembled on the lower receiver. Start by removing the screw and washer inside the grip.
2. Pay special attention while removing the pistol grip from the receiver as there will be a spring and detent located in a hole in the pistol grip and aligned with the detent hole on the receiver located on the bottom, ejection port side of the lower. The detent has a tendency to stick in the hole in the lower and fall out and get lost at inopportune times.
3. Make sure to retain the pistol grip, screw and washer.

INSTALLATION INSTRUCTIONS

The Geissele Super Configurable Safety Selector will come with the main body and two ambi levers to be attached to either side of the selector barrel.

4. Remove the small ambi lever from the main selector body by depressing the plunger through small hole in lever, with any tool of adequate size such as a 1/16" punch.
5. Install one lever by lining the opening on the selector lever with the oval-shaped post on either side of the selector barrel. Then, slide it into place while depressing the locking plunger. In order for the lever to slide onto the selector barrel, the plunger in the barrel must be depressed by one of two methods: Using a punch tool, depress the plunger enough for the lever to start sliding overtop, then remove tool pressure and finish sliding lever until plunger grabs in corresponding pocket on underside of lever. Or: With lever aligned properly for installation on barrel, use the triangular point of the lever and apply pressure on front of lever to depress plunger and slide into place all in same motion.
6. Place a drop of oil on the detent notches in the selector.
7. Install the selector into the receiver so that the detent groove on the Super Configurable Safety Selector aligns with the detent hole in the receiver.
8. Push the selector all of the way into the receiver then install the remaining ambi lever in the same fashion as the 1st lever.
9. Begin to reinstall the grip assembly once the safety selector has had the opposing lever installed. Pay special attention to ensure that the detent and spring are properly aligned or the selector will not operate correctly and you may potentially damage your spring.
10. With the safety detent spring in the pistol grip, and the safety detent in the detent hole in the receiver, line the

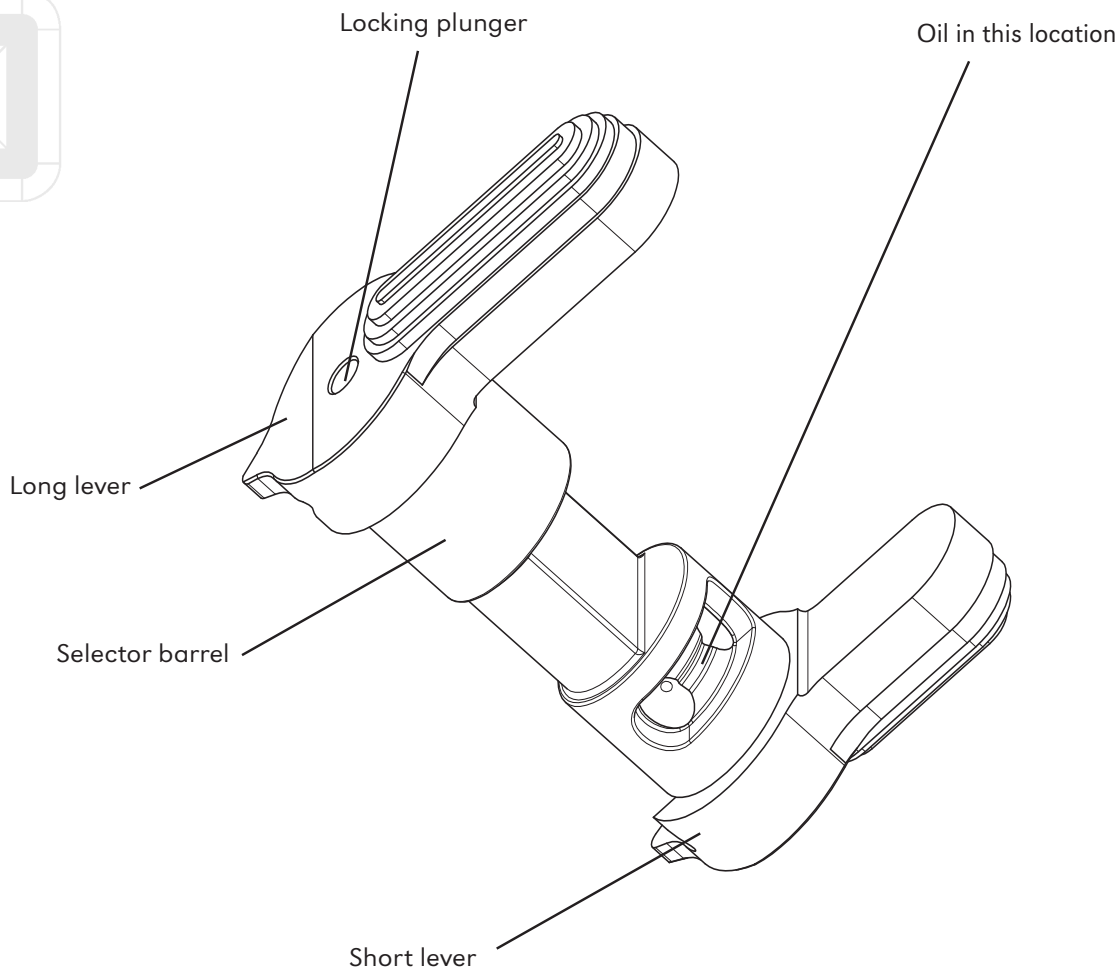
spring up with the detent hole and push the pistol grip back on. Make sure the spring does not get folded back on itself when pushing the grip into place.

11. Tighten the pistol grip screw back into the receiver until tight. Take special care to avoid cross-threading the pistol grip screw in the receiver; check the alignment of the screw before continuing if you experience any binding.
12. With the firearm unloaded, perform a function check to confirm proper installation.
13. While performing the function test, if doing so without the upper receiver attached, leave your thumb lightly on the hammer so that it does not accidentally get released and strike the receiver which may damage your lower receiver.

14. Perform a function check by cocking the hammer back and placing the safety selector in the safe position.
15. Press the trigger, the hammer should not release.
16. Rotate the Geissele Super Configurable Safety Selector to FIRE. When you now press the trigger the hammer should release.

Thank You For Your Purchase.
Contact Geissele Automatics with any questions.

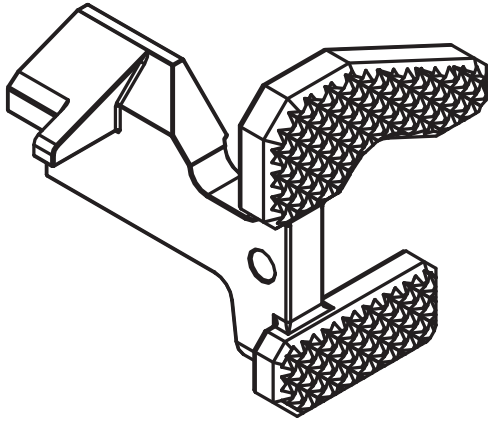
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SUPER CONFIGURABLE SAFETY INSTRUCTIONS VERSION 07/19/2021



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MARITIME BOLT CATCH

Installation Instructions

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4. **KNOW YOUR TARGET AND WHAT IS BEYOND.**

The Geissele Maritime Bolt Catch is designed with the warfighter in mind and will work with any lower receiver designed to accept a mil-spec M16/M4 Carbine bolt catch. The increased surface area promotes ease of function when locking back the bolt or releasing the bolt after a magazine change.

In addition, the extended controls add an increased functionality for left handed shooters who no longer have to break their grip to manipulate the bolt catch. Left handed shooters can easily reach the controls using the index finger of their left hand making magazine changes and locking the bolt back much more fast and efficient.

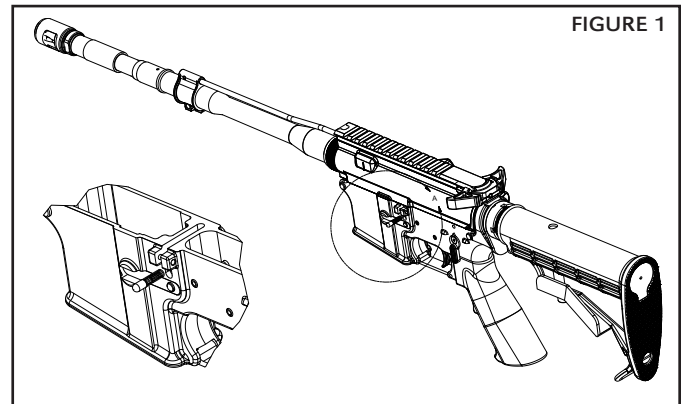
Aggressive checkering covers the surface of the levers giving the Geissele Maritime Bolt Catch a textured surface that enables positive feedback to the shooters hand when being used with gloves or at night. Manufactured from properly heat treated 8620 steel and manganese phosphate coated, the Geissele Maritime Bolt Catch is intended to serve as an enhanced mil-spec replacement and assist in giving our warfighters overmatch capability with the M16/M4 carbine platform.

ATTENTION: A mil-spec bolt catch spring, plunger and roll pin are required for assembly and are not included. If the Maritime Bolt Catch is replacing an existing mil-spec bolt catch, please use care when disassembling the component from your lower receiver as you will need these parts to install the Maritime Bolt Catch.

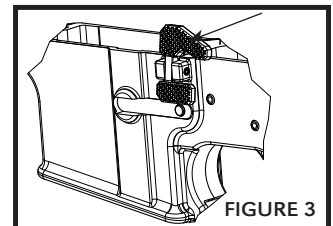
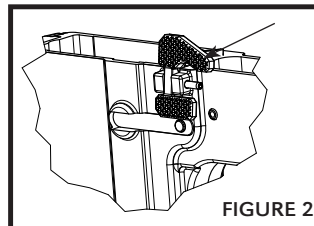
Compatibility with billet AR-15 lower receivers is unknown. Please also note that the extended controls of the Geissele Maritime Bolt Catch will partially cover the pin hole for the hammer, a smaller punch may be required to push the hammer pin out of the receiver from the left side, and the hammer pin should only be installed from the right side of the receiver. Once the lower receiver is ready for installation, continue to **STEP 1** for further instructions.

INSTALLATION INSTRUCTIONS

1. Place your lower receiver in a Geissele Reaction Block or similar device capable of holding the lower receiver in a vise.
2. Place a drop of oil on the bolt catch spring, and insert the bolt catch spring as well as plunger into the bolt catch hole on the left side of the receiver. **SEE FIGURE 1**



3. Temporarily hold the bolt catch in place using a punch.
4. Using another punch, push/drive the roll pin through the opposite side, knocking the temporary punch out. **SEE FIGURE 2**
5. Continue driving the roll pin in until the roll pin is fully seated and flush with both sides of the roll pin hole. **SEE FIGURE 3**



6. Perform function test by manipulating the bolt catch. The bolt catch should rotate freely without the presence of binding or grittiness.

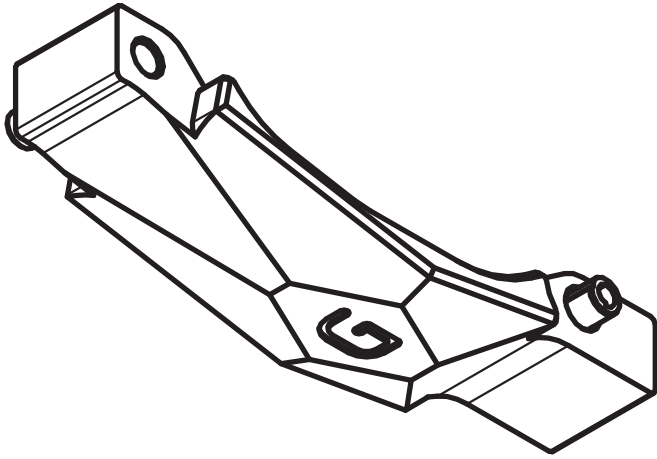
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ULTRA PRECISION™ 5 AXIS TRIGGER GUARD Installation Instructions

THE GEISSELE ULTRA PRECISION 5 AXIS TRIGGER GUARD COMES PREASSEMBLED TO INSTALL IN YOUR LOWER

1. Insert the trigger guard into the lower as shown in Figure 1. With the holes in the guard and lower lined up lightly tap the roll pin through until flush. A light oil on the hole might assist in the assembly.
2. With the pin inserted move to the front of the trigger guard and locate the 1/16" Hex Key Slot in the specialty screw. This screw should be preassembled with the head slightly below flush of the guard face.
3. With the screw head lined up with the front hole, turn the screw counter-clockwise to back it out into the hole. Some slight movement may be necessary to make sure the screw lines up properly. Continue to back this screw out until some resistance is felt; then go an additional 10 degrees until snug. The screw is held in with an anti-vibration compound so extreme torque is not necessary. This innovative design leaves the screw fully captured so there is no chance of losing the locating screw when the guard is assembled.

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ASSEMBLY TOOLS:

- 1/16" Hex Key
- 1/8" Punch
- Appropriate Support Block

INSTALLATION INSTRUCTIONS

Geissele's Ultra Precision™ 5 Axis Trigger Guard installation is very straightforward however it is in a very vulnerable location on the lower receiver. It is suggested a qualified gunsmith complete the assembly.

The most important tool for the assembly is a good punch block. The tabs on the lower are very fragile and prone to breakage. It is imperative that these tabs are properly supported or permanent damage could result.

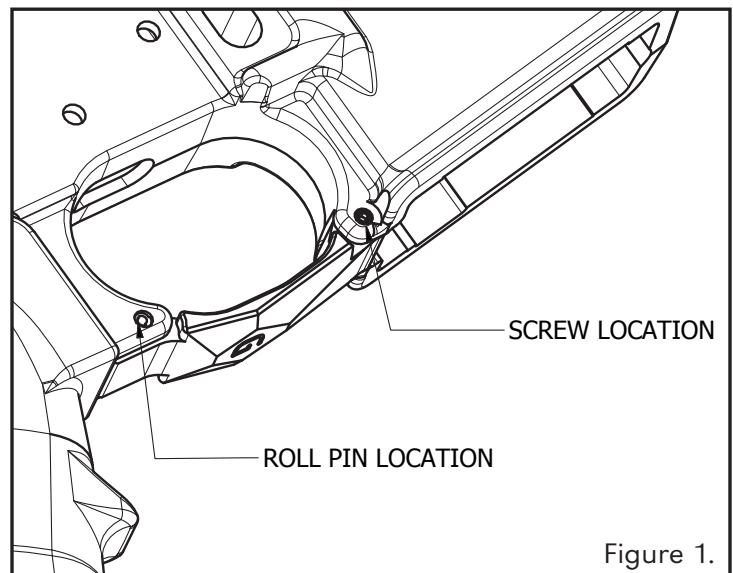


Figure 1.

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