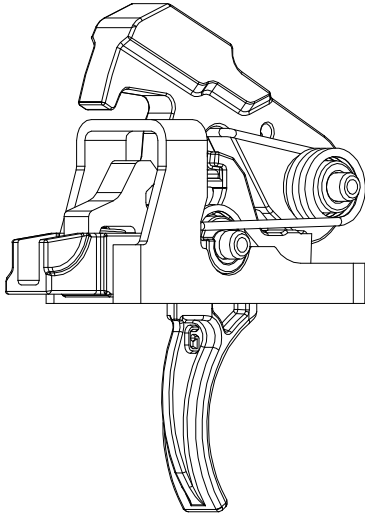


GEISSELE[®] AUTOMATICS

We Manufacture Confidence[®]



SUPER SEMI-AUTOMATIC MPX TRIGGER

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.**

The Super MPX SSA was designed as a high performance, combat inspired two stage trigger. Derived from our CRANE Safety Certified M4 carbine trigger, the Super Semi-Automatic (SSA), the Super MPX delivers all of the same performance, reliability, safety and forgiveness features that the SSA possesses. The Super MPX is a 4.5lb., non-adjustable, two stage trigger that provides the shooter with precise and accurate trigger control. The trigger is light enough to be used in precision applications, but is forgiving enough to be used in demanding applications such as close quarter battle (CQB) scenarios. These features make the Super MPX ideal for hunting, law enforcement, and military type applications and makes this trigger a perfect trigger for all around use.

The Super MPX Trigger will lighten the trigger pull relative to a standard trigger. This lightened trigger pull will make the firearm easier to discharge. You must recognize and accept this fact before installing this trigger. If you do not want a lighter than standard trigger pull or are not willing to accept responsibility for the safety of your firearm, yourself, and those around you, do not install this trigger.

Geissele Automatics recommends installation by a certified gunsmith only

INSTALLATION INSTRUCTIONS

1. Unload rifle and make safe.
2. To remove the safety, first lift and open the tab located at the bottom of the grip. Loosen and remove grip screw.
3. After removing the grip, remove the safety detent spring, safety detent, takedown pin detent and takedown pin spring. Take note of which spring and detent goes to which part and their orientation. The safety selector and takedown pin can now be removed.
4. Remove existing trigger and clean receiver.
5. Remove the trigger pin from the trigger and replace with the slave pin to hold the disconnecter in place.
6. Insert the trigger subassembly into the trigger bridge by tilting the trunnions into the circular cutout of the bridge. Install the trigger with the bridge into the lower receiver. Check the attached diagram for correct groove location of the trigger pin before insertion. Insert trigger pin into receiver, through trigger/disconnector, and into receiver on opposite side.
7. Remove hammer pin from hammer. Place a drop of lubricant in the bore of the hammer pivot.
8. Install hammer into receiver with hammer spring legs **on top of the trigger pin**. Insert hammer pin into receiver, through hammer, and into receiver on opposite side.
9. Apply a small amount of lubricant in the following locations as shown on reverse side this page:
 - a. Each side of the disconnecter above the trigger pin
 - b. Hammer and trigger sears
 - c. Face of the disconnecter
 - d. Hammer tail where it contacts the disconnecter;
 - e. Top of each side of the hammer spring where the spring contacts the receiver wall.
10. After installation of the trigger group, the safety and takedown pin needs to be reinstalled.
11. Slide the safety and takedown pin back into the lower receiver. Ensure the slot of the takedown pin is facing down so the detent is captured within the slot. Ensure the safety is pointed towards safe or fire position.
12. Insert the detent pins back into the lower receiver. Insert the takedown pin spring into the counterbore of the lower receiver.
13. Insert the safety detent spring into the counterbore of the grip.
14. Now insert the grip against the lower receiver. The springs should apply pressure against the detents.
15. While the grip is against the receiver, tighten the grip screw using a 4mm hex drive T-handle. After reinstallation, confirm function of the safety and takedown pin.
16. Check safety operation: With the hammer cocked and the safety selector set to the SAFE position, pull the trigger hard. The hammer should not fall.
17. Check trigger reset: Set safety selector to FIRE. Dry fire weapon and keep trigger held back. Pull charging handle all the way back and release, letting the bolt carrier snap forward. The hammer should not fall. Release trigger. Hammer should be caught by the trigger.

- Check for the presence of a second stage: Set the safety selector to FIRE. Pull the trigger through the first stage until it comes to a distinct stop—this is the second stage. Applying additional pressure to the trigger will allow the weapon to discharge.

Maintenance of the Super MPX trigger consists of occasionally placing a drop of lubricant on the locations shown in #7 above. Recommended lubricant is ALG Go Juice or equivalent; alternatively a high quality grease may be used on the trigger/hammer sears and disconnecter contact surfaces.

When the trigger and lower receiver well become very dirty (such as when firing with a suppressor), it is not always necessary to remove the trigger group for cleaning. Spray down the trigger group with electrical contact cleaner to remove residual oil and dirt. Next, use compressed air to blow off the trigger group and then flush liberally with a light lubricant as ALG Go Juice or equivalent. Blow off excess lubricant with compressed air and lubricate as noted above.

GEISSELE RECOIL SPRINGS

During extensive testing of the MPX weapon system it was determined that the bolt speed in these systems is very high. Geissele Automatics feels the best way to increase the life of the trigger and the rest of the operating components is to tune the recoil system with different spring rates depending on the ammunition type being used.

Geissele ships the trigger with three spring weights: they are about 30, 45, and 55% stronger than the stock recoil spring. It is recommended the shooter choose the ammunition they plan on using and function test with the supplied spring sets. For optimum performance, the weapon should use the heaviest spring set while still providing full functionality. To select the best spring we recommend starting with the yellow spring set and testing for proper operation. To test; shoot a magazine of 5 rounds observing the ejection pattern and if the bolt locks back on the final round. If this is successful shoot 5 magazines of 1 round each to observe if the bolt locks back on the last round. If the bolt fails to lock back or weak ejection is found then move to the lighter spring set which is painted red. Conversely, if the shooter feels the operating system is still too violent moving to the heavier spring set (indicated in white paint) can be tested for functionality.

Thank You For Your Purchase.

Contact Geissele Automatics with any questions.

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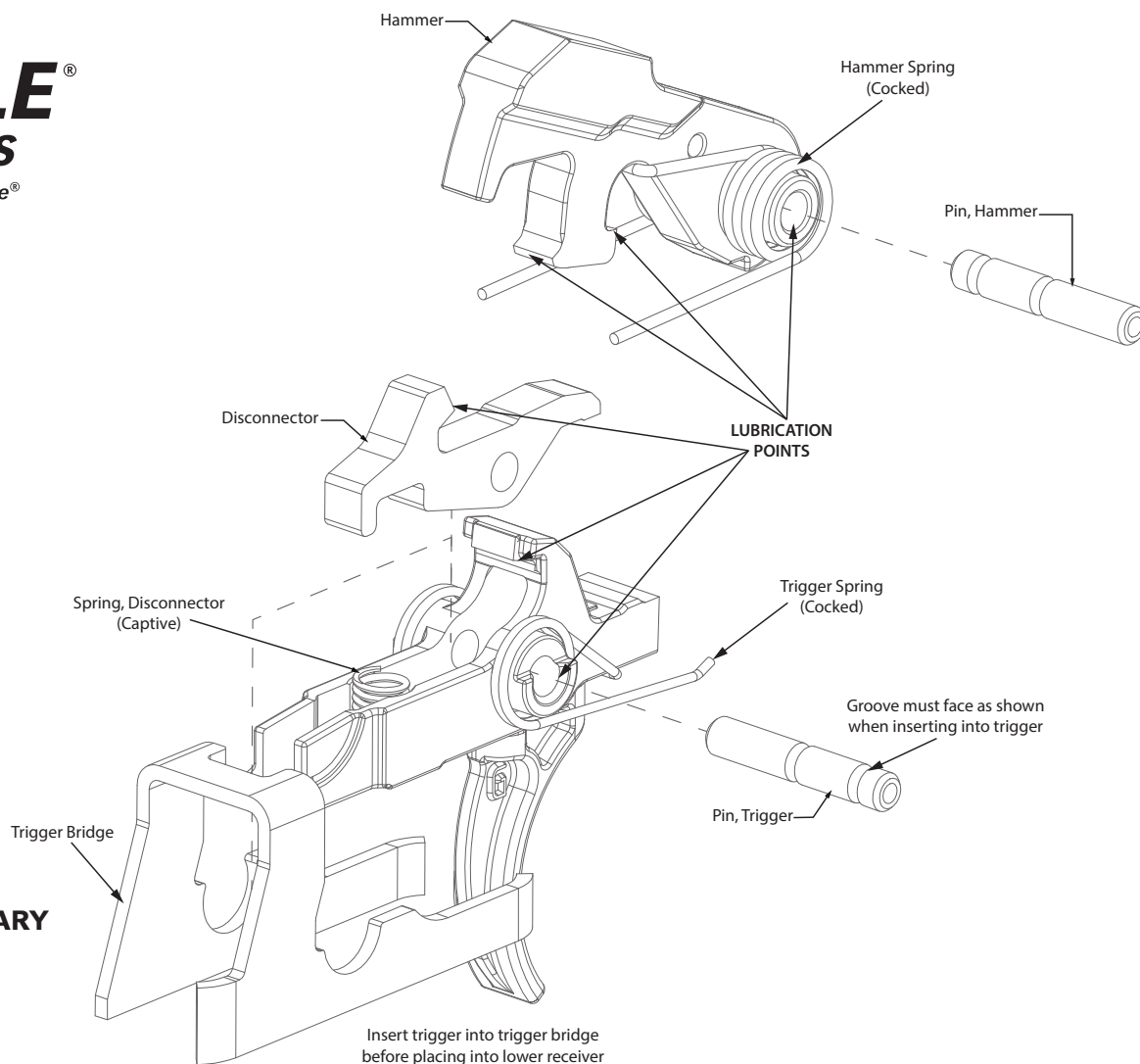
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GEISSELE AUTOMATICS MPX TRIGGER INSTRUCTIONS VERSION 1 - 08/08/2019

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SUPER MPX SSA
For the SIG MPX Rifle
U.S. Pat. 7,600,338



TRIGGER PROFILE MAY VARY

