TRIGGERTECH

ACE Trigger System

Legacy Special

Glock Gen 1-5

9mm / .40 S&W

Disclaimer
Limited Warranty
Satisfaction Guarantee
Installation Instructions

WARNING: Failure to properly install your trigger and ensure proper safety functionality could result in an unsafe firearm, and unintended discharge may be a result. Read and follow all instructions. Contact TriggerTech or a licensed gunsmith for assistance.

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TriggerTech Disclaimer

Improper handling, installation, storage and/or use of TriggerTech products and/or the firearm in which they are installed, can cause death, serious injury and/or property damage.

TriggerTech products are designed solely for installation and use in the specific firearm for which they are advertised. It is the purchaser's responsibility to determine compatibility.

Aftermarket trigger handling and installation can involve complicated procedures and presuppose knowledge of firearms handling. If a purchaser or user is not familiar, or not sufficiently familiar, with firearms handling and exchanging out trigger components, the purchaser or user (collectively, "Purchaser") must seek further information and assistance from a gunsmith or other qualified professional.

By installing or using any purchased TriggerTech trigger product ("TT Product") the Purchaser agrees to the following terms and conditions: 1.The Purchaser will abide by all applicable firearm safety laws, protocols, and regulations in force in the jurisdiction

where the TT Product is handled, installed, stored and/or used; 2. The Purchaser certifies that he/she is legally entitled to purchase and use the TT Product and the firearm in which it is to be installed, in the jurisdiction where the TT Product is purchased and used; 3. The Purchaser assumes responsibility for ensuring that any users of the TT Product comply with these terms and conditions and with all applicable firearms safety protocols and regulations when handling, installing, storing and/or operating the TT Product; 4. The Purchaser agrees to conduct a test for proper trigger fit and function, before each use of the TT Product, with the firearm in which it is installed in an unloaded condition. Never assume the TT Product works without testing it; 5. The Purchaser agrees to consistently use a trigger lock on the installed TT Product, together with any related safety mechanism on the firearm in which the TT Product is installed; 6. The Purchaser agrees to contact TriggerTech immediately in the event of any change or loss of trigger function; 7. Following installation, the Purchaser will not conduct any maintenance of the TT Product which requires disassembly of the TT Product, in whole or part; 8. In no event shall TriggerTech be

liable for any direct, indirect, incidental, special, consequential or punitive damages arising from loss of life, personal injury and/or property damage, in connection with the use or misuse of the TT product, or the firearm in which the TT Product is installed; 9. TriggerTech is not responsible for the acts or omissions of the Purchaser resulting from a lack of training or knowledge of firearms handling, or failure to properly implement such training and knowledge; 10. The Purchaser assumes all risk and liability for death, injury, and loss and damage to persons or property caused by: (i) installation or use of the TT Product inconsistent with TriggerTech's Installation Instructions; and (ii) the negligent or intentional misuse, mishandling or modification of the TT Product, or the firearm in which the TT Product is installed.

TriggerTech Limited Warranty

TriggerTech warrants to the original retail purchaser that this TriggerTech product will be free from manufacturing and handling defects for thirty days after the original sale of the product, and from manufacturing defects for the life of the product. This warranty only applies if this product was manufactured and sold by TriggerTech. This warranty excludes conditions caused by excessive wear and tear, aggressive handling, unreasonable use, modifications, alterations, tampering, misuse, improper installation, or other factors outside TriggerTech's control. Modifying the product in any way VOIDS this warranty. This limited warranty does not extend to future performance.

No TriggerTech representative, distributor or reseller is authorized to assume any other obligation or liability in connection with the product, or to alter the terms of this warranty.

ALL WARRANTIES OTHER THAN STATED HEREIN ARE DISCLAIMED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE,

TO THE EXTENT ALLOWABLE BY APPLICABLE LAW. ALL LIABILITY FOR INCIDENTAL, PUNITIVE, SPECIAL, OR CONSEQUENTIAL DAMAGES ARE EXPRESSLY DISCLAIMED, TO THE EXTENT ALLOWABLE BY APPLICABLE LAW.

TriggerTech does not assume any liability arising from loss of life, personal injury and/or property damage in connection with the use, misuse or modification of the TT product, or the firearm in which the TT Product is installed.

Warranties are handled directly by TriggerTech, not through our dealer network. To obtain warranty coverage, please contact us directly at the number/website below for a return authorization. Product alleged to be defective must be returned to TriggerTech for inspection. The cost of shipping to us is the customer's responsibility. Any products determined by TriggerTech to require warranty coverage, will be replaced or repaired, at TriggerTech's sole option.

Note: Installation of your TriggerTech trigger may void all or part of your firearm manufacturer's warranty, so please check with the firearm manufacturer to find out if installation will affect your firearm warranty prior to installation of the trigger.

TriggerTech Satisfaction Guarantee

TriggerTech triggers have distinctively less creep than competitors' products. While most shooters view this as a benefit, some may not enjoy the distinct, crisp feeling of a TriggerTech trigger. If you are the original purchaser and are not satisfied with the zero-creep break of your TriggerTech trigger, you may return it to TriggerTech within thirty (30) days of purchase, in the original packaging and with proof of purchase. Provided the trigger is undamaged, TriggerTech will refund the purchase price.

DISCLAIMER: "GLOCK" is a federally registered trademark of GLOCK, Inc. and is one of many trademarks owned by GLOCK, Inc. or GLOCK Ges.mbH. TriggerTech is not affiliated in any manner with, or otherwise endorsed by, GLOCK, Inc. or GLOCK Ges.mbH. The use of "GLOCK" in this document is merely to outline how to install the TriggerTech ACE Trigger System in GLOCK pistols. For genuine GLOCK, Inc. and GLOCK Ges.mbH products and parts visit www.glock.com.

PLEASE READ CAREFULLY BEFORE INSTALLING OR USING THIS ACE TRIGGER SYSTEM

The TriggerTech ACE Trigger System converts the partially cocked striker state of the Glock Safe Action system—present when the trigger lever is fully forward and the pistol is charged—into a fully cocked striker configuration. While this upgrade delivers a crisp, consistent trigger pull with reduced pre-travel and improved shorter reset, it fundamentally changes the state of the pistol when cocked. As such, a pistol equipped with a Legacy Special ACE Trigger System should be treated as a precision competition/range firearm when set to less than 3.5 lb.

The Legacy Special is only intended for personal carry, or other applications under the following conditions :

- **When installed with a factory Glock firing pin safety spring and the TriggerTech factory take-up spring.**
- **Set to a pull weight of 3.5 lb or higher.**

Use trigger **only with OEM Glock® firearms and components. We cannot guarantee compatibility with aftermarket OEM components.**

Use **standard OEM Glock® mags only**.
Non-standard mags may cause:

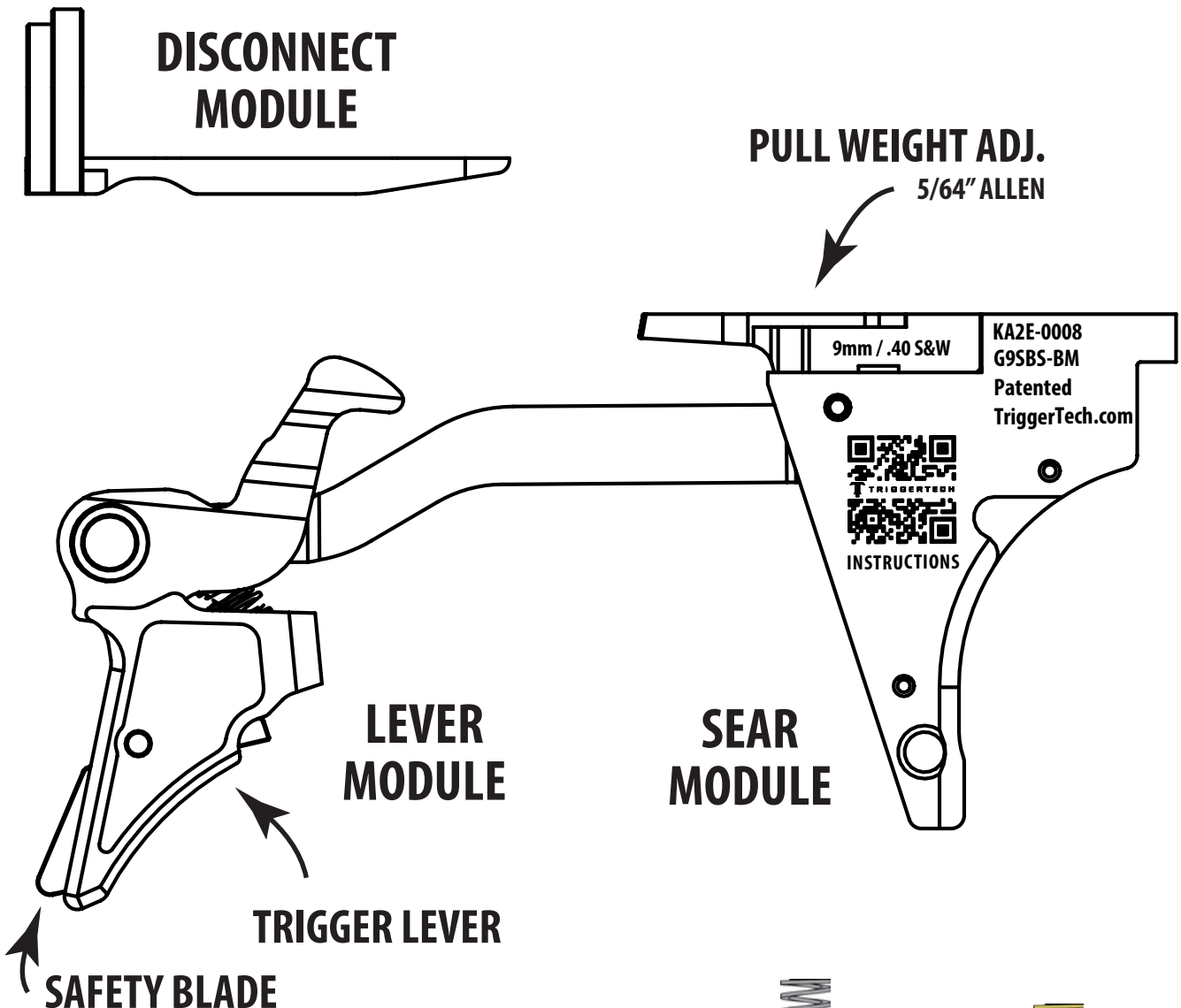
- Over-insertion
- Slide interference
- Unintended discharge
- Component damage

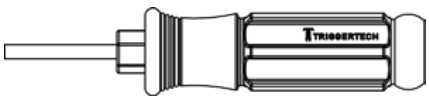
If unsure about installation or safety, seek guidance from a Glock Certified Armorer or contact us at: support@triggertech.com.

Improper installation or use may affect firearm safety and function.

Legacy Special ACE Trigger System

Detailed instructions, FAQ and videos:
www.triggertech.com





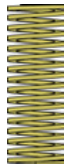
PIN TOOL
LEVER PIN / FRAME PIN



LIGHT PLUNGER SPRING (BLACK)



HEAVY TAKE-UP SPRING (SILVER)



LIGHT TAKE-UP SPRING (GOLD)

(SPARE SPRINGS INCLUDED)

Compatibility

TriggerTech's ACE Trigger System for Glock is compatible with all standard frame Generations of Glocks (1-5) in 9mm & .40 S&W. The models are: G17, 17L, 19, 19x, 22, 23, 24, 26, 34, 35, 45, 47.

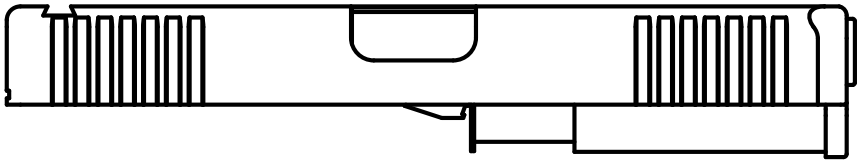
Gen 5 Glocks requires the removal of a small tab on the frame.

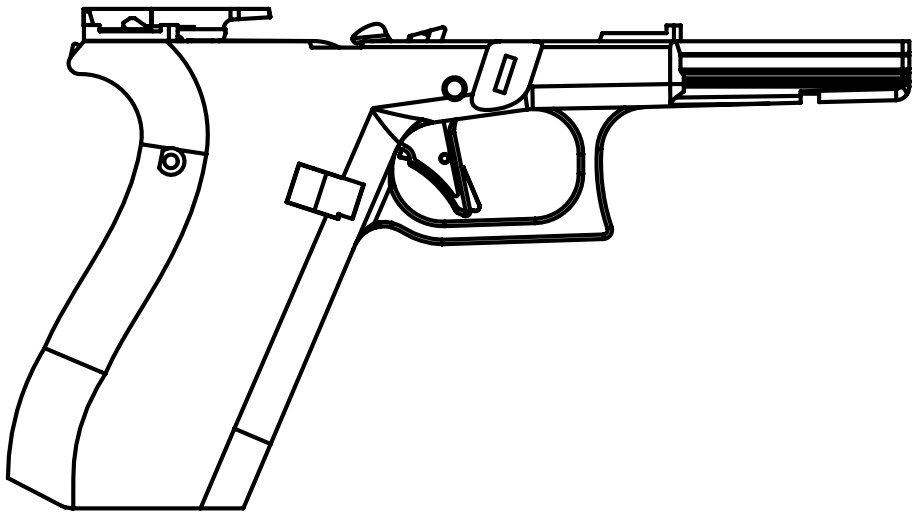
Due to tolerance fluctuations in some frames, fitting and filing might be required by a certified gunsmith to ensure the safety blade is operating properly.

TriggerTech has not verified compatibility with clone frames or other aftermaket OEM components.

It is not compatible with the new Gen V models.

Step 1: Unload your firearm and disassemble



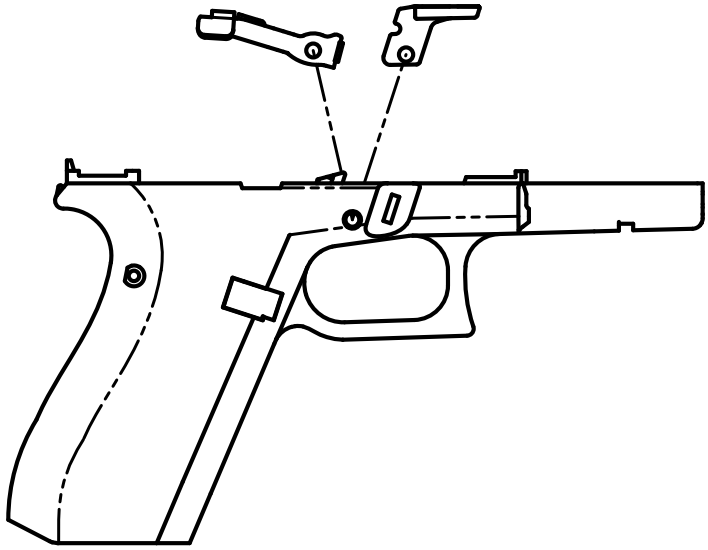


1a) Read TriggerTech Disclaimer and TriggerTech Lifetime Warranty prior to installation and use.

1b) Visually and physically confirm the firearm is unloaded while keeping the muzzle pointed in a safe direction at all times.

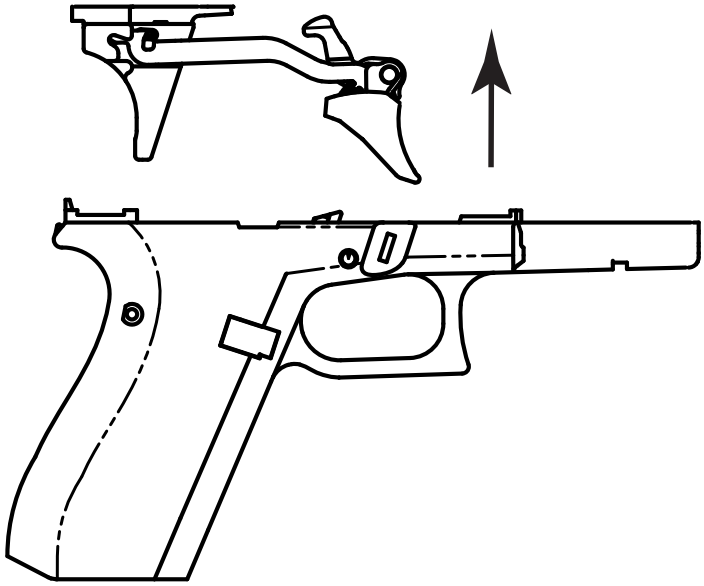
1c) Remove slide.

Step 2: Remove the existing trigger



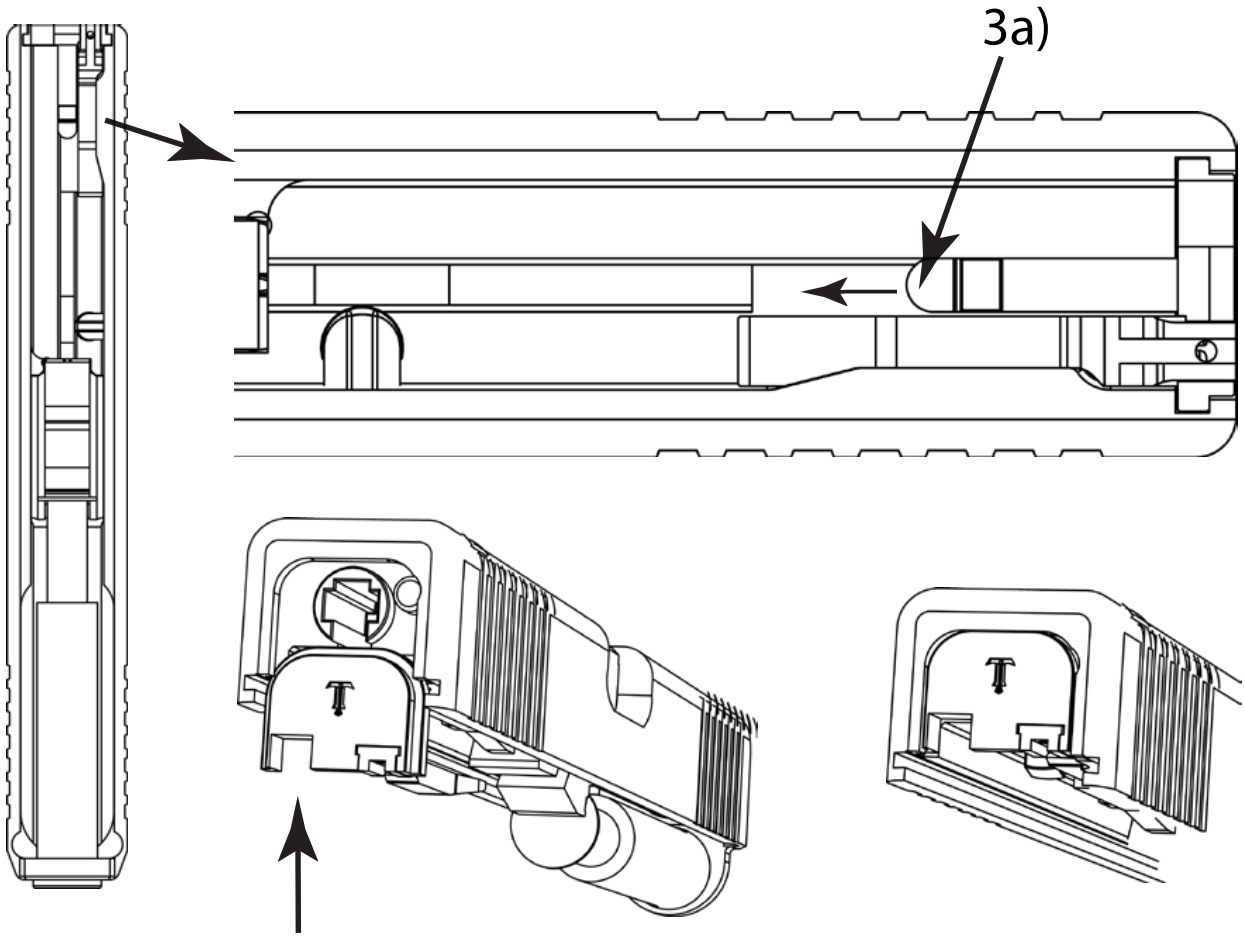
2a) Remove the front trigger pin(s), and then the rear trigger pin.

2b) Remove barrel lug and then the slide stop.



2c) Lift the trigger up and out of the pistol.

Step 3: Install the TriggerTech Disconnect Module

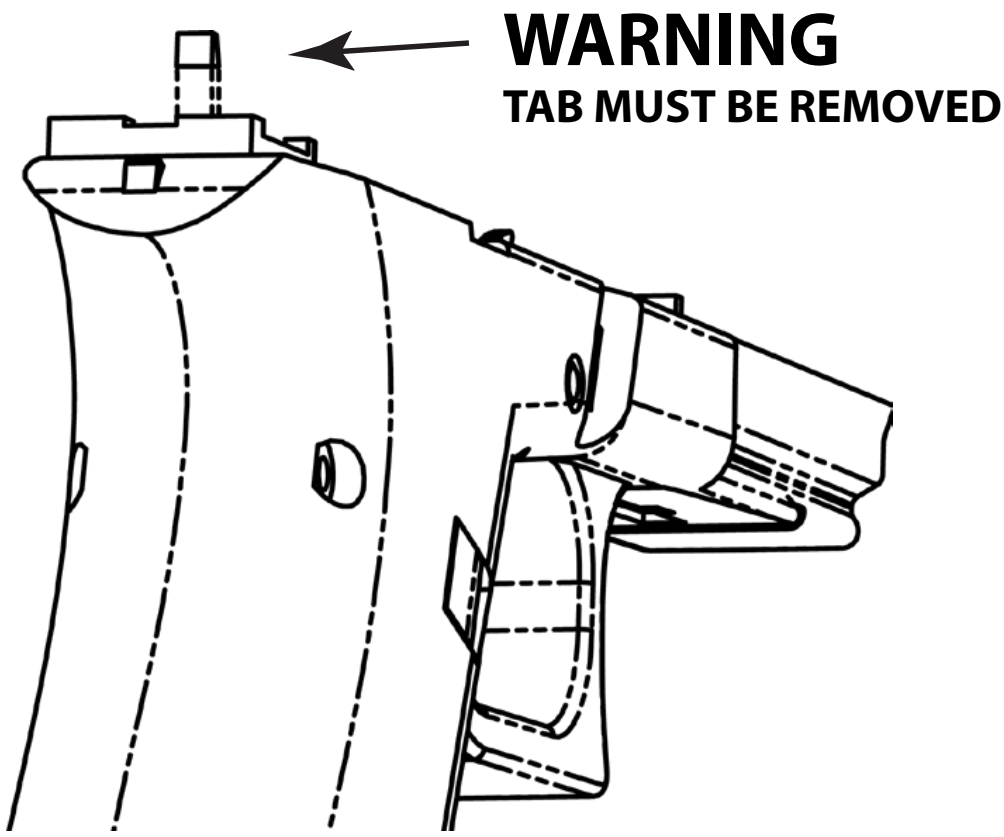


3a) Remove the factory back plate by using the included pin tool to depress the firing pin spacer sleeve and then remove the slide cover plate.

3b) Install the TriggerTech disconnect module by using the pin tool to depress the firing pin spacer sleeve, then the extractor rod as you slide the disconnect module up and into place.

3c) You should hear an audible click when the back plate is seated and not be able to slide it out.

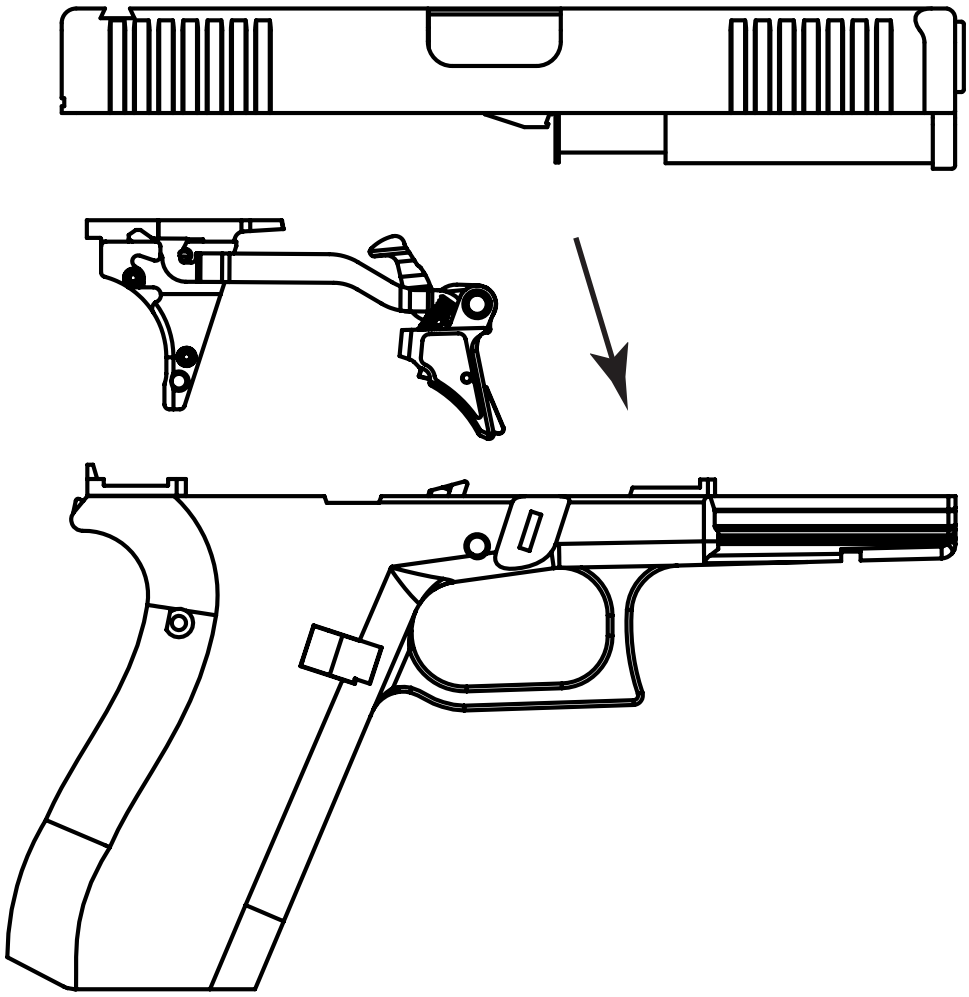
Note: REQUIRED Gen 5 modification



Gen 5 Glocks have a small plastic tab at the back of the frame. **It must be removed for the ACE Trigger System to operate. The firearm WILL NOT be able to function unless the tab is removed.**

Use an edged tool to carefully cut the tab flush with the frame.

Step 4: Install TriggerTech ACE Trigger System



4a) Carefully mount the transfer bar from the lever module into slot of the sear module. The two parts should nest easily without using any force.

4b) Insert the lever module first followed by the sear module into the frame.

4c) Reinstall the slide stop and barrel lug.

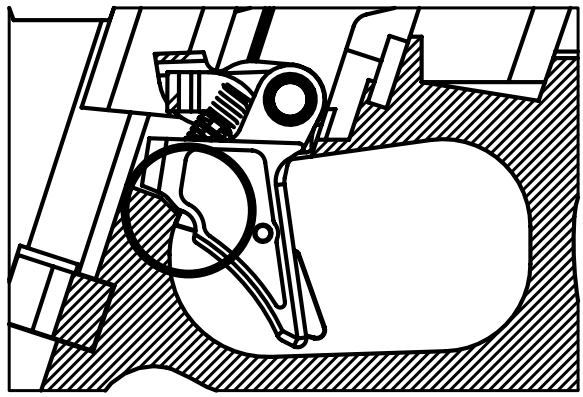
4d) Reinstall the pins into their respective holes.

Step 5: Safety blade function verification

Verify your safety blade is working correctly. Visually confirm your trigger blade safety matches the illustrations below in each mode.

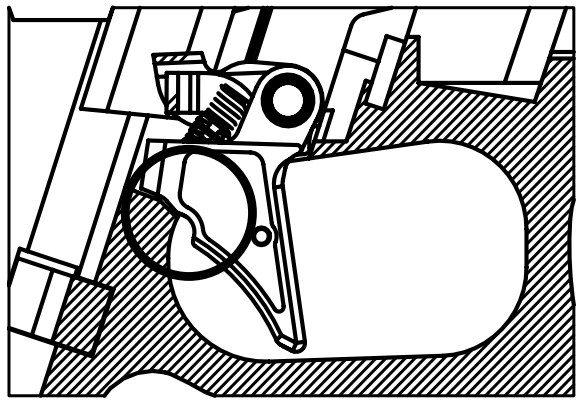
Safety Engaged

If you apply a force on the upper portion of the blade or grab the side, forcing the lever backwards, the safety should make contact with the frame and prevent the lever from travelling backwards.



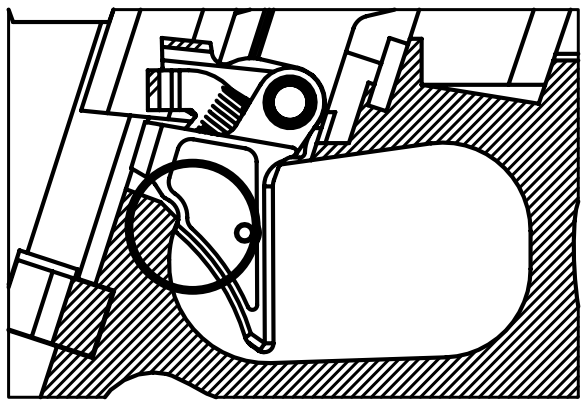
Safety Disengaged

If you apply your finger to the trigger normally and start to press the trigger, the safety stop should clear the frame without interference.



Fired

If you pull through the wall and hear the firing pin release, the overtravel stop should contact the frame



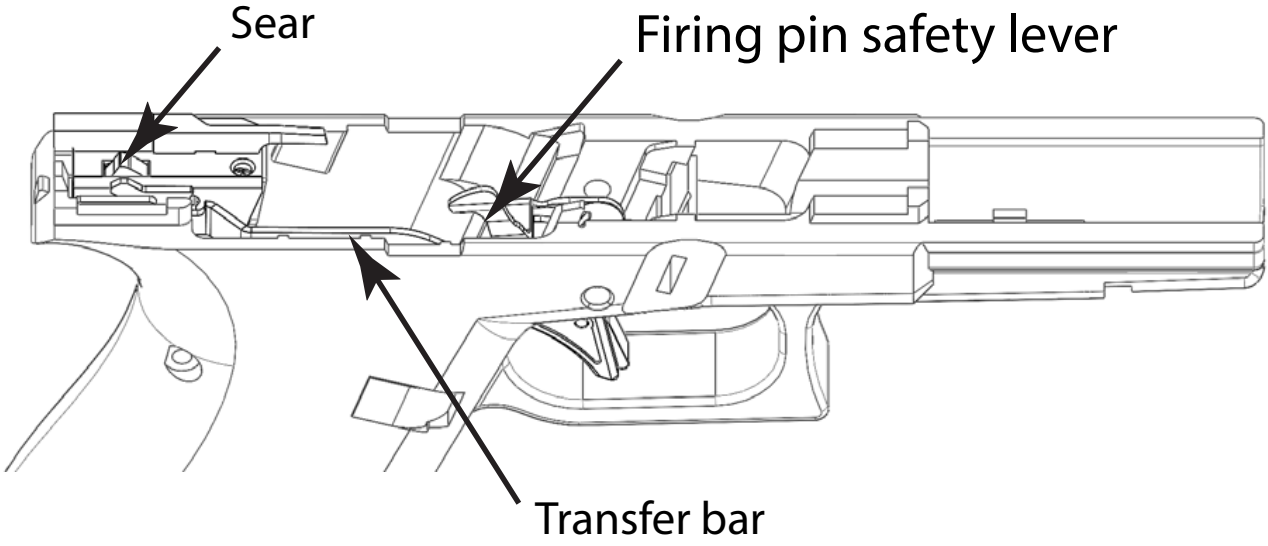
Step 6: Function check

Prior to using your firearm, perform the following tests **without ammunition and confirming your firearm is unloaded and pointed in a safe direction at all times** to confirm your installation was done correctly. If your pistol fails any of these tests do not use your pistol and contact TriggerTech Support or take your pistol to a certified Glock Amorer.

Perform the following tests with the slide removed from the frame:

7a) Firing Pin Channel: Hold the firing pin safety depressed with your fingertip, and vigorously shake the slide from end to end. You should hear the firing pin moving freely in the firing pin channel. Ensure that the Disconnect Module is not interfering with the movement of the firing pin.

7b) Test reset - pull and hold the trigger, push down the transfer bar and you should hear an audible click which indicates reset has occurred. Release the trigger lever and the transfer bar should return up to its starting position.



Step 6: Function check (cont'd)

7c) Firing Pin Safety Test: Hold the slide and pull the lug of the firing pin all the way to the rear of the slide and then ease it forward until it stops in contact with the firing pin safety. Then press the lug of the firing pin forward with your forefinger using moderate force. The firing pin must not move forward past the firing pin safety, and must not protrude from the breech face of the slide. If the firing pin safety fails to keep the firing pin from moving forward. DO NOT LOAD OR FIRE YOUR PISTOL. Instead, have it inspected and repaired by Glock Certified Armorer.

7d) Firing Pin: Hold the slide with the muzzle end downward, and press the firing pin safety into the slide with your fingertip. The firing pin should move downward, and the tip of the firing pin should protrude from the breech face. (Note: On brand new pistols you may need to apply light downward pressure to the rear of the firing pin lug with your finger to assist the firing pin in moving downward).

7e) Inspect the ejector to ensure that it is intact.

Step 6: Function check (cont'd)

Perform the following tests with the firearm fully assembled.

7f) Cycle the slide to reset the trigger, press the trigger. You should hear and feel the firing pin release.

7g) Cycle the slide, press and hold the trigger to the rear. While continuing to hold the trigger to the rear, cycle the slide then release the trigger. The trigger should reset. Press the trigger to ensure the firing pin releases.

7h) Insert an EMPTY magazine into the pistol. Pull the slide fully to the rear, the slide should lock open.

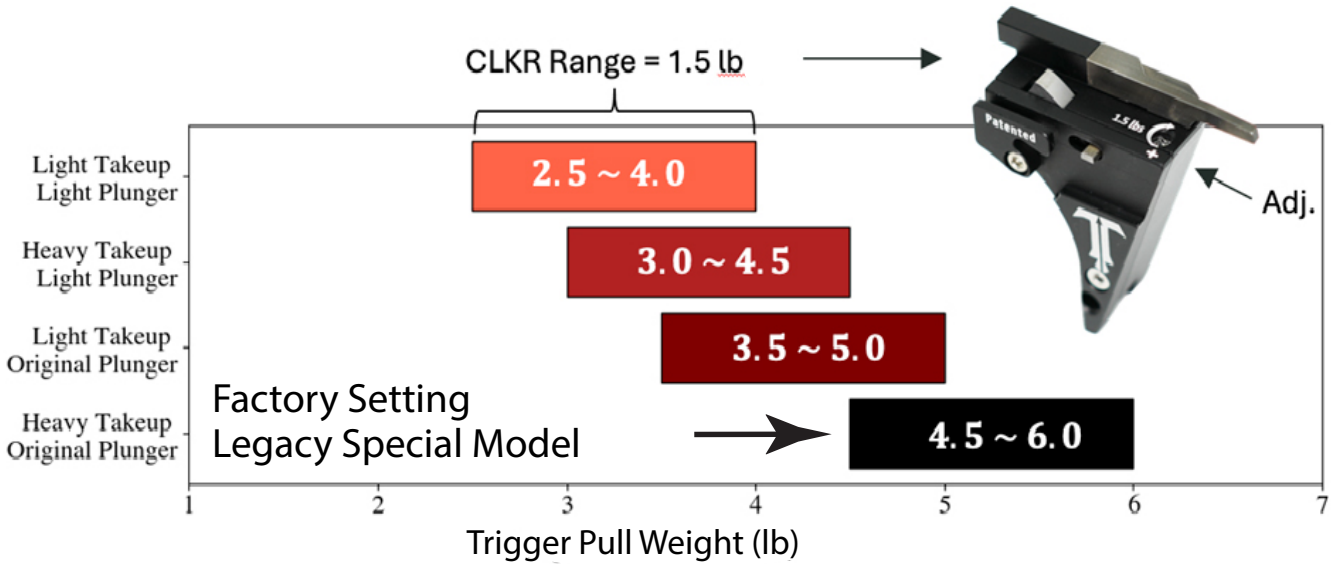
7i) Make sure that the trigger lever moves freely and does not touch the trigger guard. There should not be an audible clicking sound.

7j) Once 7a - 7i have been successfully passed without ammunition, you can begin using ammunition at a range. Start with one round and slowly increase the number of live rounds in your magazine.

WARNING: Due to possible frame tolerance variations, it is possible that the blade safety may be rubbing excessively or not functioning at all. **DO NOT USE the ACE Trigger System if the safety blade is not functioning properly.**

Take up, break weight and reset feel adjustment

Users can tune the take up, break weight and reset feel of the trigger to their individual preference. Included with your TriggerTech ACE Trigger System are three springs: a heavy take-up spring (pre-installed), a light take-up spring and a light plunger spring. Users can use different combinations of springs to find the right pull weight range and feel, then use our patented CLKR Technology™ to dial-in their own setting.



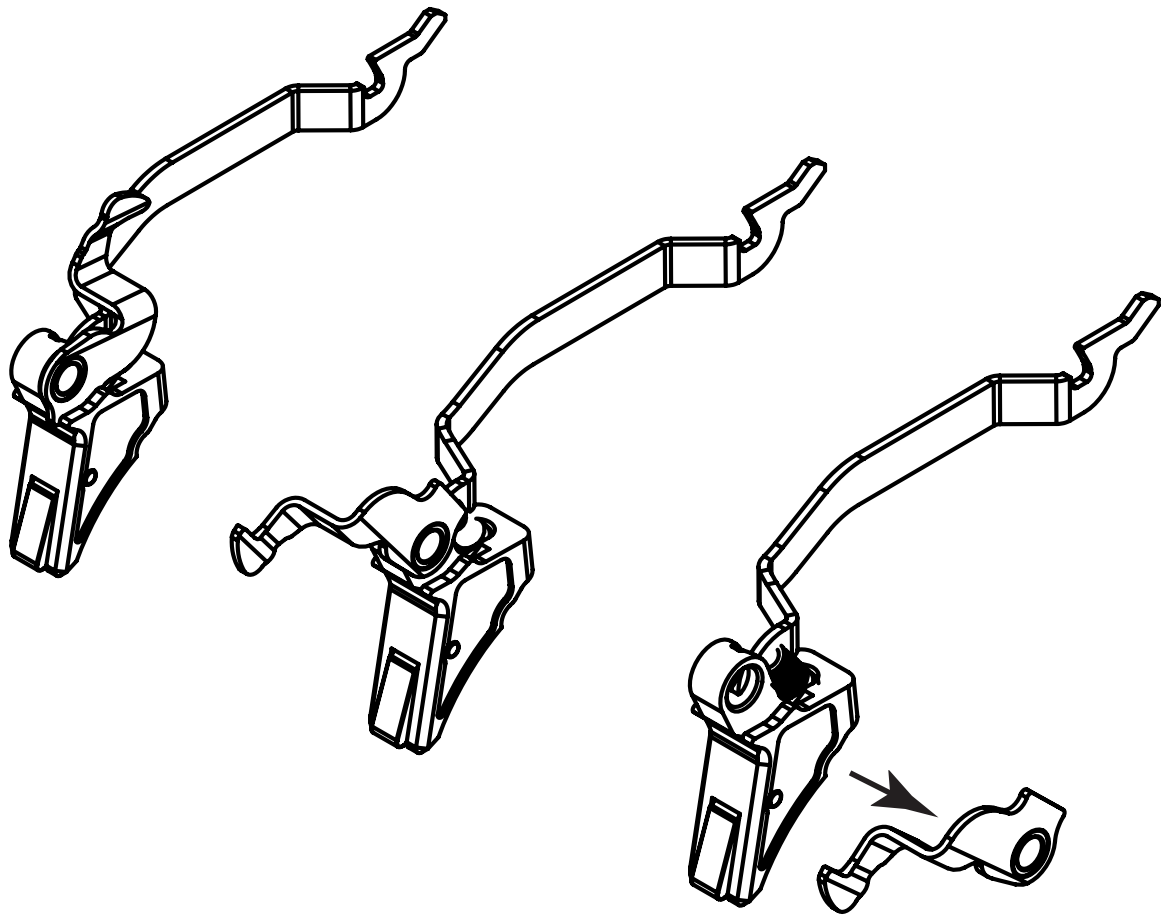
Your TriggerTech trigger is set near the middle of the CLKR Range and has the heavy take-up spring installed.

WARNING: It is strongly recommended that you operate your trigger at or above the factory pull weight setting. Use caution when making any adjustments, and always repeat Step 7 (safety function test) before using live ammunition. Minimum recommended pull weight: 3.5 lb. Use of the trigger outside these specifications may result in unsafe operation, reduced drop safety, malfunctions, or unintended discharge.

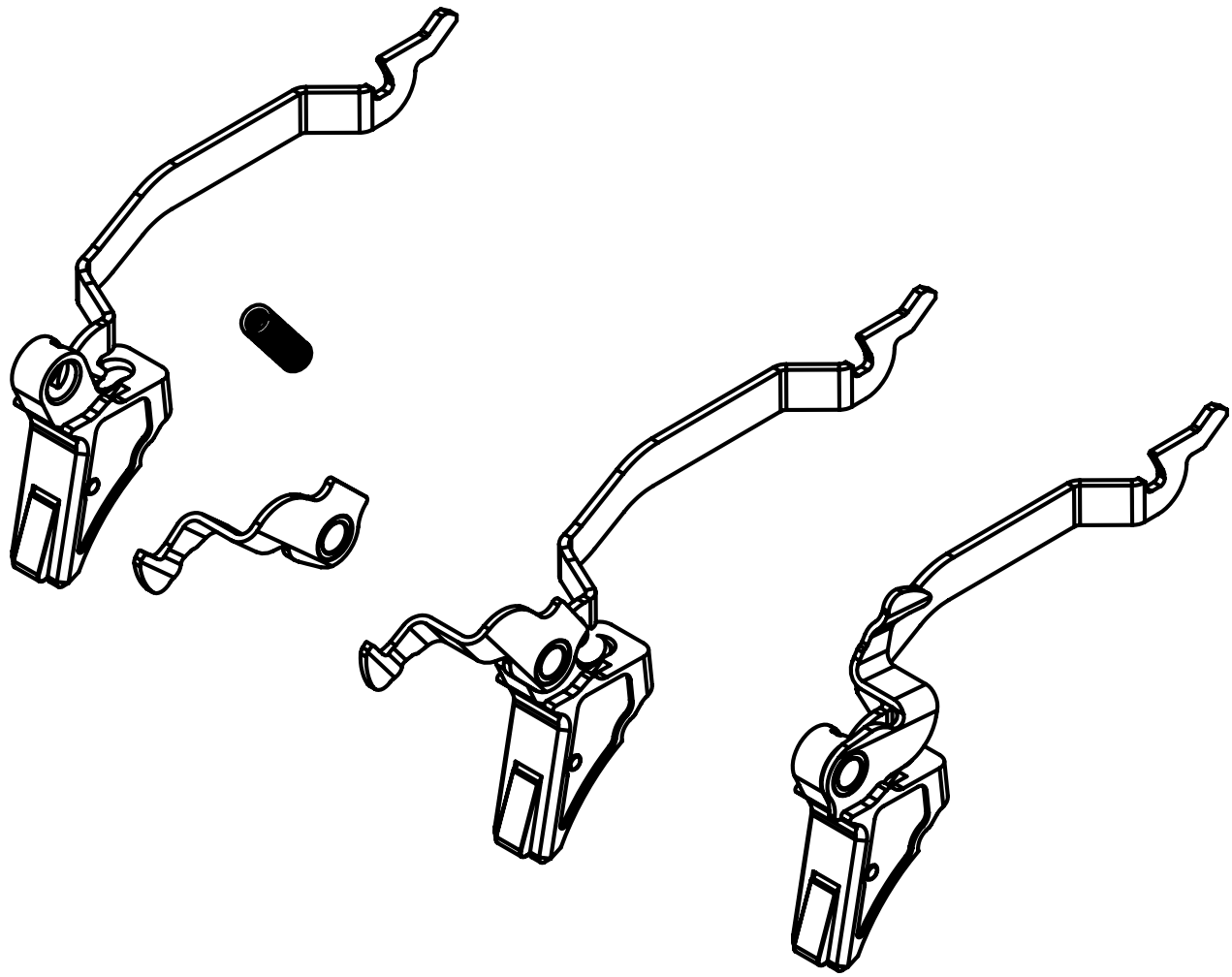
Pull weight adjustment - take-up spring

Your TriggerTech ACE Trigger System is pre-installed with the heavy take-up spring (silver), with a light take-up spring (gold) included in the packaging. To change the spring in the lever follow the below steps:

a) Remove the firing pin safety lever by first rotating it 180 degrees, and then detach from the lever module.



Pull weight adjustment - take-up spring (cont'd)

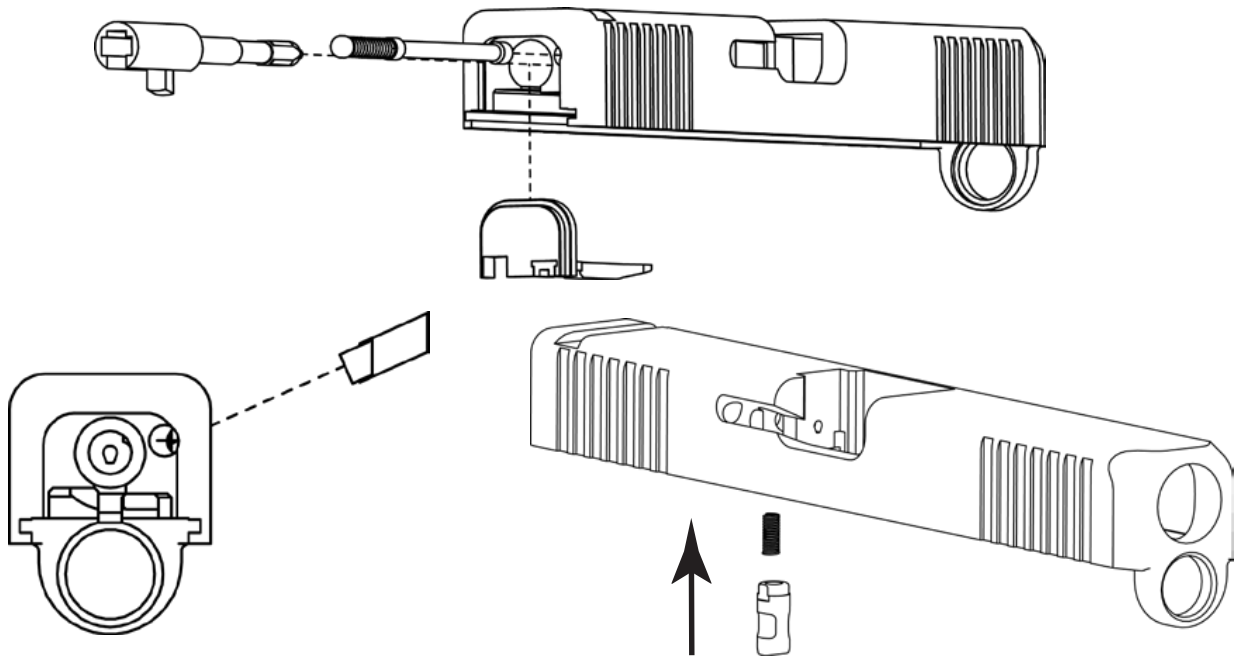


b) Depress the take-up spring to clear the spring protrusion in the transfer bar, and remove.

c) Insert the new spring, depress to engage the spring protrusion in the transfer bar.

d) Re-attach firing pin safety lever by first depressing the transfer bar to clear the lever pivot, and then insert and rotate to original position.

Pull weight adjustment - plunger spring



To change your factory plunger spring to the included TriggerTech ACE Trigger System light plunger spring (black):

a) Remove the backplate (see step 3a)

b) Remove the extractor tension rod and striker assembly.

c) Depress the plunger to remove the extractor. It will fall out of the slide. The plunger will also fall out.

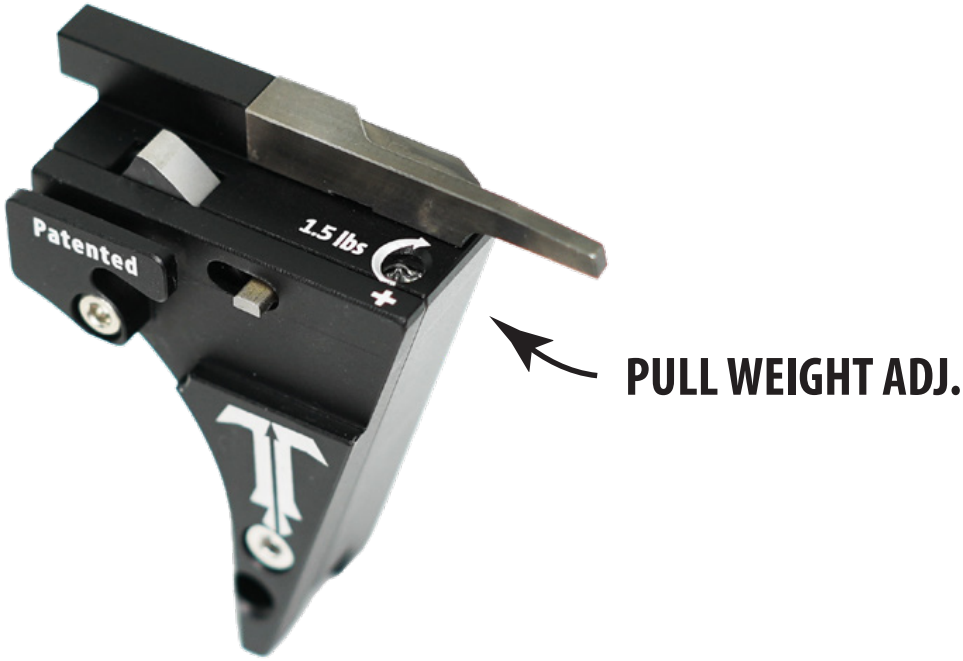
d) Remove the spring that is nested in the plunger.

e) Replace it with the ACE Trigger System plunger spring and press it firmly into the plunger so it is set in place and won't fall out on its own.

f) Reinstall the plunger and apply pressure on it inward to the slide while you put the extractor back in. Then reinstall extension rod and striker assembly.

g) Reinstall the backplate.

Pull weight adjustment - CLKR adjustment



IMPORTANT: Your TriggerTech ACE Trigger System allows you to adjust your trigger pull weight. The set screw is located on top of the Sear Module and is set to near the middle of the advertised pull weight range. To adjust pull weight, insert the supplied 5/64" Allen wrench. To increase pull weight, turn the set screw clockwise. Do not adjust your Sear Module more than 8 full rotations from the lowest pull weight.

WARNING: It is strongly recommended that you operate your trigger at or above the factory pull weight setting. Use caution when making any adjustments, and always repeat Step 7 (safety function test) before using live ammunition. Minimum recommended pull weight: 3.5 lb. Use of the trigger outside these specifications may result in unsafe operation, reduced drop safety, malfunctions, or unintended discharge.

Pull weight adjustment testing



IMPORTANT: Pull weights must be measured from the center of the lever. When testing the pull weight of the trigger, make sure the pull weight gauge is positioned correctly (see example image above). For most precisie measurements, secure pistol before engaging pull weight gauge.

WARNING: It is strongly recommended that you operate your trigger at or above the factory pull weight setting. Use caution when making any adjustments, and always repeat Step 7 (safety function test) before using live ammunition. Minimum recommended pull weight: 3.5 lb. Use of the trigger outside these specifications may result in unsafe operation, reduced drop safety, malfunctions, or unintended discharge.

Pull weight adjustment warning

The TriggerTech ACE Trigger System has an adjustable take up, break weight and reset feel. The factory setting is near the middle of the advertised range. There is such a thing as a trigger that is too light to be considered safe. This weight will change depending on the specifics of the firearm, the experience of the shooter and the intended use case (how the gun and all of its components are operated/handled). TriggerTech strongly recommends that you get some trigger time on your TriggerTech trigger before adjusting the break weight below the factory setting (a trigger set at 4.0 lb is safer than a trigger set at 2.5 lb). As you reduce the pull weight of a TriggerTech ACE Trigger System you are reducing the amount of spring tension in the trigger and it is possible that you may reach a point where the trigger in a specific firearm is not safe for the intended use case and/or the shooter.

Minimum recommended pull weight: 3.5 lb

The triggers pull weight should not suddenly change on its own. If it does, stop using it immediately and contact TriggerTech Support.

Shooters are reminded to always follow the NRA Gun Safety Rules.

TriggerTech Pull Weight Guide



	Low	High
Competition at certified range	2.5 lb	5.0 lb
Recreational purpose	3.5 lb	6.0 lb
Extreme conditions	4.5 lb	6.0 lb

Pull Weight

Maintenance / Cleaning

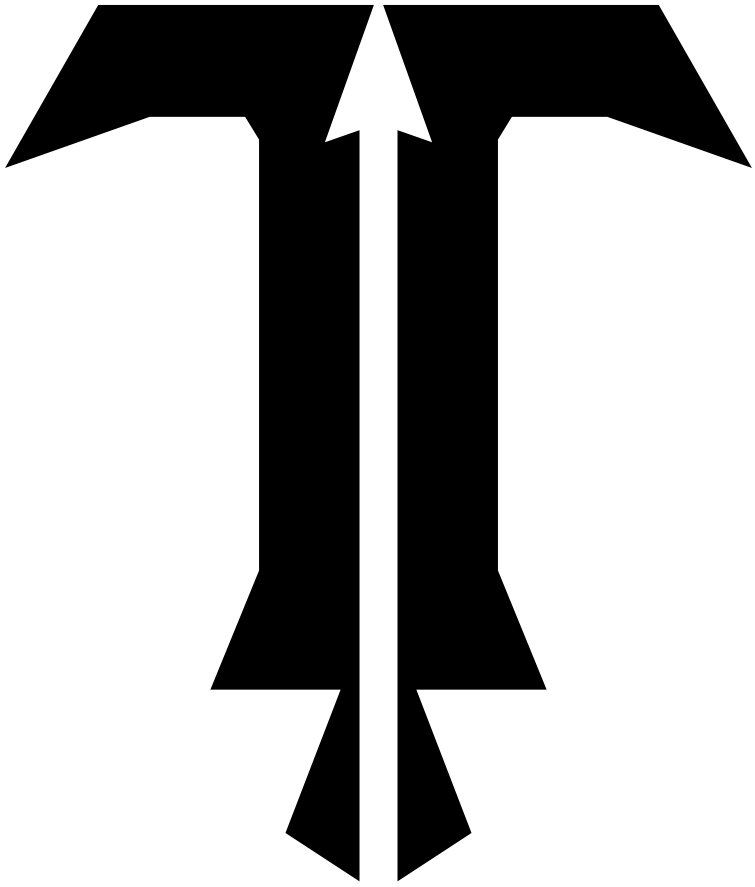


Your TriggerTech trigger is designed to operate maintenance and lubricant free. It is recommended that you minimize the amount of oil and gun cleaning products that get in contact with the trigger.

We recommend keeping the pistol residue to a minimum.

If you believe your trigger is not working properly due to contamination, we recommend you take to following steps:

1. Ensure your firearm is unloaded.
2. Rack the slide, dry fire the firearm repeatedly.
3. If Step 2 is unsuccessful, remove your TriggerTech trigger from the frame and you can try to clean with compressed air and/or a grease cutting agent that does not leave residue. We recommend lighter fluid, letting it dry, and blowing out the trigger with compressed air. Follow the TriggerTech Installation Instructions when reinstalling your trigger.
4. If Step 3 is unsuccessful, we do NOT recommend opening your trigger housing and suggest you contact TriggerTech and arrange to have your trigger serviced. Note: breaking the "void if removed" will indicate that you have opened your trigger and may void the Limited Warranty.



Questions?

1-888-795-1485

Support@TriggerTech.com

www.TriggerTech.com