



Armalite AR-50

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. Read and follow all instructions. Contact TriggerTech or a licensed gunsmith for assistance.

TriggerTech Disclaimer

Improper handling, installation, storage and/or use of Trigger Tech 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 the risk and all liability for death, injury, and loss and damage to persons or property caused by use or installation inconsistent with TriggerTech's instructions, negligent or intentional use or misuse 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, alternation, 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.

Trigger Tech 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 Trigger Tech 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.

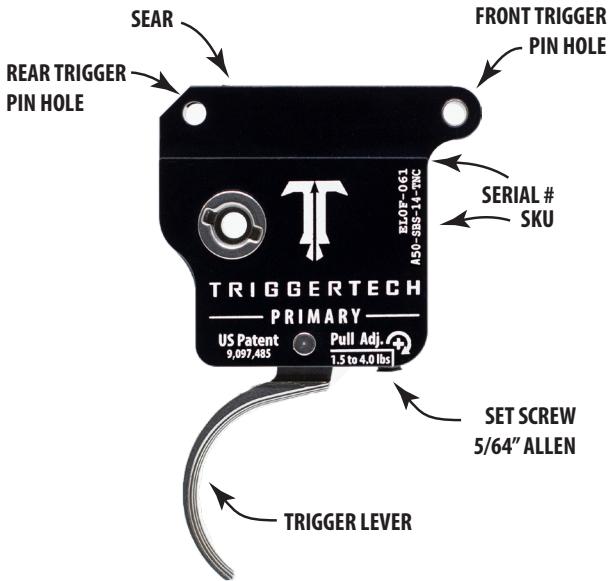
Note: Installation of your TriggerTech trigger may void all or part of your firearm manufacturer's warranty, so please check with the firearm manufacturer to find out if installation will affect your firearm warranty prior to installation of the trigger.

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, Trigger Tech will refund the purchase price.

TriggerTech Armalite AR-50



Step 1: Unload your firearm and remove the bolt and stock



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

1b) Remove all ammunition and magazines from your firearm.

1c) Remove the bolt from your firearm by pressing the bolt release while sliding the bolt aft-ward.

1d) Using the appropriate Allen key, carefully remove your stock from the action.

NOTE: Remember the size and location of each bolt you remove from the stock for reassembly.

Step 2: Remove the existing trigger



2a) Gently tap both pins with a hammer and punch until the trigger assembly becomes free.

2b) Remove the trigger from the firearm.

Step 3: Install your TriggerTech trigger

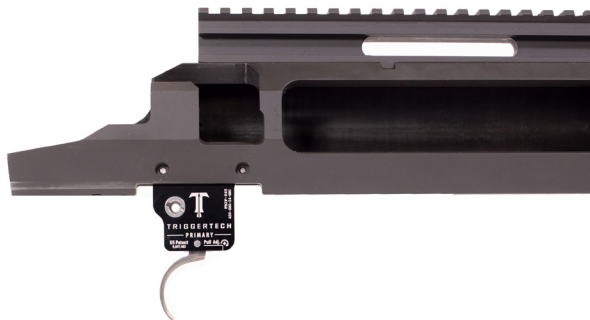


4a) Insert the trigger assembly, ensuring that the holes are aligned and gently tap the front trigger pin in.

4b) Gently tap the rear trigger pin in.

WARNING: make sure the trigger pin holes are aligned before hammering the pins in as this can permanently damage your trigger, make it unsafe, and void the warranty.

Step 4: Re-install the stock and bolt



6) Now that your trigger has been installed, using the same bolts from Step 1, re-install your stock onto the action.

Step 5: Check trigger safety and function

Prior to using your firearm, perform the following tests without ammunition to see if your installation was done correctly.

7a) Safety off, cycle action - firing pin should NOT move.

7b) Safety off, cycle action, pull trigger lever - firing pin should move.

7c) Safety off, cycle action, safety on, aggressively switch the safety from on to off three times - firing pin should NOT move.

7d) Safety off, cycle action, and tap the butt-stock - firing pin should NOT move (NEVER PERFORM THIS STEP WITH LIVE AMMUNITION).

7e) Safely repeat Steps 7a and 7b (NOT 7c and 7d) at a rifle range with live ammunition to ensure trigger installation was done correctly.

NOTE: Unique to the AR50 the firing pin will move significantly when the safety is ON and the lever pulled but it should not strike the primer.

Step 6: Pull weight adjustment



Supplied 5/64" Allen
CW Rotation to
Increase Pull Weight

Your TriggerTech trigger is set near the middle of the advertised pull weight range and can be adjusted in increments. To adjust pull weight, insert the supplied 5/64" Allen wrench into the set screw located at the bottom of your trigger. To increase pull weight, rotate the set screw clockwise. Pull weight varies between actions.

WARNING: It is recommended to operate your trigger at, or above, the factory setting. Exercise caution when adjusting your pull weight and repeat Step 7 prior to using live ammunition.

NOTE: Always keep the set screw engaged with at least three "Clicks" to prevent the set screw from falling out.

Pull weight adjustment warning

The TriggerTech Armalite AR-50 trigger has an adjustable pull weight. The factory setting is near the middle of the advertised range (caution - pull weights may vary dramatically from the factory setting due to variability found in an action). 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 gun, 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 lbs is safer than a trigger set at 2.5 lbs). As you reduce the pull weight of a TriggerTech Trigger 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 gun is not safe for the intended use case and/or the shooter. See TriggerTech Bolt Action Pull Weight Guide below. To ensure safety, never chamber a round until the rifle is safely pointed on a target and you are ready to fire at. Shooters are reminded to always follow the NRA Gun Safety Rules.

TriggerTech Bolt Action Pull Weight Guide

		Low	High
Expert	Competition at certified range	<1.0 lbs	5.0 lbs
	Range shooting	1.5 lbs	5.0 lbs
Novice	Stationary hunting	2.5 lbs	5.0 lbs
	General hunting	3.5 lbs	5.0 lbs
	Cold weather / home defense	4.5 lbs	5.0 lbs

Pull Weight

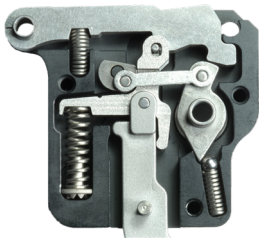
Maintenance / Cleaning

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.

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

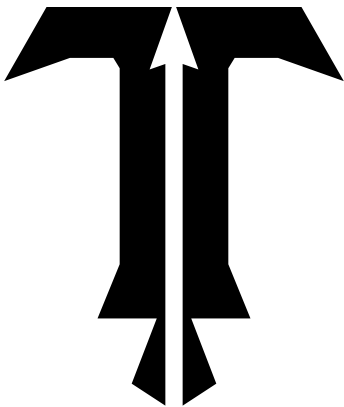
1. Ensure your firearm is unloaded.
2. Cycle the action, dry fire the rifle repeatedly. If necessary, try holding the rifle in different orientations while doing this.
3. If step 2 is unsuccessful, remove your TriggerTech trigger from the action and you can try to clean with compressed air and/or a grease 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" sticker will indicate that you have opened your trigger and may void the Limited Warranty.

In the event you decide to ignore our recommendations and open your TriggerTech Trigger, this is an image of the internal assembly:



Pierced Primers

Warning: If you experience a pierced primer, the dynamic forces of the event may damage your trigger and prevent it from functioning safely. If you experience a pierced primer, repeat Step 5 of the Check Trigger Safety and Function section in this manual before continuing to use your rifle. If your trigger has been damaged and is not functioning correctly contact TriggerTech and arrange to have your trigger serviced.



Questions?

[TriggerTech.com/pages/faq](https://www.TriggerTech.com/pages/faq)

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