



The Triad Multi-Stage Trigger allows the operator to have a single-stage trigger in the "Fire" position on the Safety Selector and a two-stage trigger in the "Third" position on the Safety Selector

3 MODES OF OPERATION

SAFE MODE:

FIREARM WILL NOT FIRE

SINGLE-STAGE MODE:

HAMMER WILL DROP AFTER A MODERATE, CLEAN TAKE-UP

TWO-STAGE MODE:

TRIGGER WILL HAVE A VERY LIGHT TAKE-UP UNTIL IT ENGAGES A SLIGHT WALL. HAMMER WILL DROP WITH VERY LITTLE EFFORT AFTER THE WALL



ATF APPROVED • PATENT PENDING TRIGGER LOCK DESIGN
PATENTED SECONDARY DISCONNECT
(U.S. PATENT 8,820,211 & U.S. 8,667,881)
DROP IN DESIGN • AMBIDEXTROUS SAFETY SELECTOR

For more information please contact:



812-445-4028
www.fostech.us
sales@fostech.us





By breaking the seal and opening this package you agree that you will take responsibility for your own actions both intentional and unintentional. You agree to hold FosTech Inc and any of its distributors harmless in any consequences resulting from the installation and or use of any FosTech products. You also agree to the terms on the Warning Statement contained within this package.

Thank you for your purchase of the Triad Trigger. This product should be used only after reading and understanding these warnings and the instructions accompanying this product. Installation of this product in a firearm will enable the firearm to fire after a moderate, clean take-up in Single -Stage Mode. In Two-Stage Mode, the Trigger will have a very light take-up until it engages a slight wall. Hammer will drop with very little effort after the wall. Firing the firearm could result in injury or death to the user or another person. Upon installation of any Triad Trigger, you (defined as the purchaser, possessor or user) are agreeing with this warning, the liability statement below, and the use instructions set forth herein or online.

WARNING STATEMENT

Firearms are the inherently dangerous. Complete safety is essential in possessing, handling, and operating any firearm on which this product is installed. By purchasing, possessing or using this product, you confirm your understanding and agreement to follow all applicable local, state, and federal laws and regulations, and take full responsibility for your own actions, both intentional and unintentional. Never use this product while under the influence of alcohol or drugs (prescription or non-prescription). It is your responsibility to assure that the firearm on which this product is installed is safely handled, fired, and stored at all times. Always make sure muzzle is pointed in a safe direction before manipulating the controls on the firearm.

You acknowledge that you are solely accountable for your own actions relating to the handling, firing, and storing of the firearm and this product. FosTech specifically disclaims all responsibility for any death, injury, or damage that may occur because of, or as a result of modification and/or the use or attempted use, of any FosTech product in conjunction with any firearm.

Children are attracted to and can operate firearms that can cause severe injuries or death. Prevent child access by always keeping guns locked and away and unloaded when not in use. If you keep a loaded firearm where a child obtains and improperly uses it, you may be fined or sent to prison in certain states.

FosTech will not repair any damage to product due to your modification, attempted modification, use or attempted use of the product in conjunction with any firearm other than the specific model and caliber for which the product is specifically intended. FosTech products are carefully engineered with your safety in mind – any actual or attempted modifications could result in a fatal accident.

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By purchasing, handling, possessing, and or operating, this product, you agree that you have read and understand all included warnings and instructions, and expressly and unequivocally agree to these terms and conditions of use for this FosTech product.

WARNING:

!!! DO NOT PULL THE TRIGGER until Triad is installed!!!

If pulled, check out the re-assembly video at www.fostechtriggers.com

Video Assisted Installation:

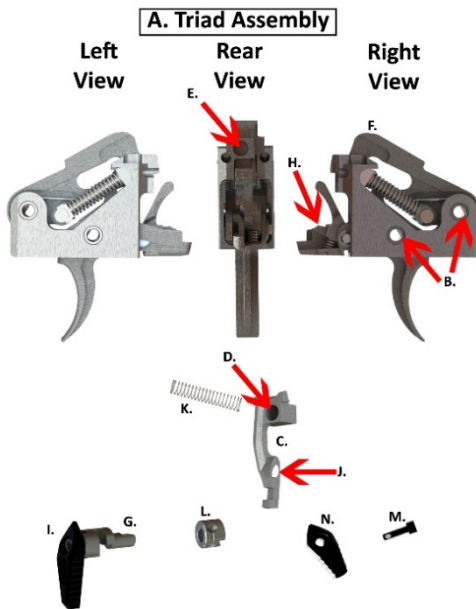
Full installation video and other FAQ videos available on our YouTube Channel.

www.fostechtriggers.com



Reference Page for Instructions

The Triad Includes the Following:



- A. Triad Assembly
- B. Clips
- C. Trigger Lock
- D. Trigger Lock Spring Pocket
- E. Triad Assembly Rear Spring Pocket
- F. Hammer
- G. Safety Selector Cam
- H. Trigger Return Assembly Tail
- I. Long Lever
- J. Trigger Lock Cam Hole
- K. Trigger Lock Spring
- L. Detent Cap
- M. Short Lever Screw
- N. Short Lever

PROUDLY MADE IN THE USA



VETERAN-OWNED SMALL BUSINESS

The Triad Multi-Stage Trigger

The Triad allows the operator to have a single stage trigger in the “Fire” position on the Safety Selector and a two stage trigger in the “Third” position on the Safety Selector.

The Trigger Lock

The Triad utilizes the Fostech patented Trigger Lock to serve as last round confirmation. When the Bolt Carrier locks back, the Trigger will not reset, providing confirmation to the shooter that the last round has been shot and the magazine is empty. The Triad may be used with or without the Trigger Lock; however, if used without, last round confirmation will not be present.

Directional Nomenclature

In conventional terminology regarding a firearm in the horizontal position, the stock is in the “rear” or “rearward”; the muzzle is in the “front” or “forward”; the rail for optics is “upward” or on “top”; the trigger is “downward” or on the “bottom”. On a Mil-Spec Lower Receiver, the “Left” side is where Bolt Catch Lever is located, and the “Right” side is where the Magazine Release Button is located.



The Echo Trigger™ is an engineering breakthrough that incorporates several different technologies. The Echo Trigger™ utilizes HIPERFIRE technology and FosTech licenses this technology from HIPERFIRE US Patent 8572880 (HIPERFIRE® toggle spring system). HIPERFIRE® is a registered trademark of High Performance Firearms, LLC. The Echo Trigger™ is also protected under several patents and patent pending patents from FosTech. These patents include but are not limited to US Patent 8667881, 8820211.

Requirements:

- Mil-Spec AR15 Lower Receiver
 - For full function, ensure the Lower Receiver does not have a sear block or other Non-Mil-Spec attributes

Recommendations:

- Full-Auto Bolt Carrier (If utilizing the Trigger Lock)

Tools Needed:

- 3/32 Allen wrench
- Grease (any general-purpose grease)

Triad Description:

- **Safe Mode (“Safe” position):** Firearm will not fire.
- **Single-Stage Mode (“Fire” position):** Hammer will drop after a moderate, clean take-up.
- **Two-Stage Mode (“Third” position):** Trigger will have a very light take-up until it engages a slight wall and Hammer will drop with very little effort after the wall.

WARNINGS

ANY SEMI-AUTOMATIC FIREARM, IF NOT SHOULDERED AND GRIPPED SECURELY, HAS A RISK OF BUMP-FIRING.

Installation

1. **Prepare Lower Receiver for Installation of the Triad:**
 - a. Remove the Grip and Safety Selector if previously installed.
 - b. Be sure to set the Grip, Safety Detent Spring, and Safety Detent aside for reassembly.
2. **Install the Triad Assembly.**

!!! DO NOT PULL THE TRIGGER until the Triad is installed!!!

If pulled, check out the re-assembly video at www.fostechtriggers.com

- a. Place Triad Assembly (A) into prepared Lower Receiver. (See Fig. a)
- b. Install Trigger Pins from the **left-hand** side of the Lower Receiver. (See Fig. b) (Ensure that the Trigger Pin Detent Slots engage the Clips (B) on the right-hand side.)



Figure a



Figure b

3. **Install Trigger Lock and Selector Cam** (For optional install without the Trigger Lock, disregard instructions in blue.)

- Place Trigger Lock (C) at the rear of the Triad Assembly (A) so that the Trigger Lock Spring Pocket (D) lines up with the Triad Assembly Rear Spring Pocket (E). (See Fig. c)
- Turn the Lower Receiver so that the rear is facing up and the left side of the Lower Receiver faces the installer. (See Fig. d)
- Push the Hammer (F) down into the Triad Assembly (A). This will force the Trigger Return Assembly Tail (H) down, allowing the Safety Selector Cam (G) to be inserted above it. (See Fig. e)
- Insert Safety Selector Cam (G) with the Long Lever (I) pointing upward ("Fire" position). Ensure Safety Selector Cam (G) inserts above the Trigger Return Assembly Tail (H) and into the Trigger Lock Cam Hole (J). (See Fig. f)
- Rotate the Long Lever (I) to the rear ("Third" position) and complete insertion. (See Fig. g)
- Push the Hammer (F) into the Triad Assembly (A) once again while pulling the trigger. Keep the trigger pulled. This will allow the Trigger Lock (C) to move backward without the Hammer (F) dropping and damaging the Lower Receiver. (See Fig. h)
- While maintaining pressure on the Trigger, position the Trigger Lock Spring (K) between the Trigger Lock Spring Pocket (D) and Triad Assembly Rear Spring Pocket (E). (See Fig. i)



Figure c



Figure d

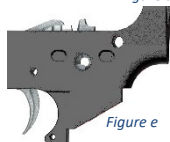


Figure e



Figure f



Figure g

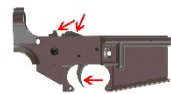


Figure h

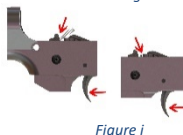


Figure i

4. **Finish Safety Selector Assembly.**

- Grease the Detents of the Detent Cap (L) and insert the Detent Cap (L) onto the Safety Selector Cam (G). (See Fig. j)
- With a 3/32 Allen wrench, use the Short Lever Screw (M) to attach the Short Lever (N) and tighten. (Ensure the Long Lever (I) and Short Lever (N) are aligned.) (See Fig. k)

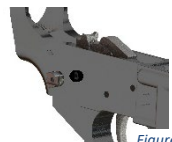


Figure j



Figure k

5. **Finish Assembly.**

- Reassemble Safety Detent, Safety Detent Spring, and Grip (not included) to finish the assembly. (See Fig. l)



Figure l

Function Check prior to installing Upper:

*****IMPORTANT*****

When performing the Function Check for the Triad with the Trigger Lock (C) installed, mimic the Bolt Carrier Group by pushing the Trigger Lock (C) forward when testing for a hammer drop. Ensure the Hammer (F) is guarded to protect the Lower Receiver. (See Fig. m)



Figure m

1) Test Safe Mode

- a. Point Long Lever (I) to the “Safe” position, push the Trigger Lock (C) forward, and pull the Trigger. (See Fig. n) This should result in **no hammer drop**.

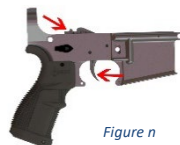


Figure n

2) Test Single Stage Mode

- a. Point Long Lever (I) to the “Fire” position, push the Trigger Lock (C) forward, and pull the Trigger. (See Fig. p) **Hammer will drop** after a moderate, clean take-up.



Figure p

3) Test Two Stage Mode

- a. Point Long Lever (I) to the “Third” position (Selector facing rearward), push the Trigger Lock (C) forward, and lightly pull the Trigger. (See Fig. q) The Trigger will have a very light take-up until it engages a slight wall and **Hammer will drop** with very little effort after the wall.



Figure q

4) Test Last Round Confirmation (If Trigger Lock is installed)

- a. Point Long Lever (I) to either the “Fire” or “Third” position. Push the Trigger Lock (C) forward, but do not keep pressure on it. Pull the trigger. The Hammer (F) will drop. Reset the Hammer (F) without pushing the Trigger Lock (C) forward. The Trigger will remain “pulled” and will not reset until the Trigger Lock (C) is pushed forward.

Attaching Upper Assembly to Lower Receiver with the Triad installed (with Trigger Lock).

1. Push the Pivot Pin of the Lower Receiver through the Upper Receiver.
2. With the Long Lever (I) pointing to either the “Fire” or “Third” position, push the Trigger Lock (C) forward. (See Fig. r) Do not squeeze the Trigger. The Trigger Lock (C) will stay forward, so that the Upper Assembly may be closed onto the Lower Receiver.
3. The Take Down Pin may now be pushed through to complete assembly.

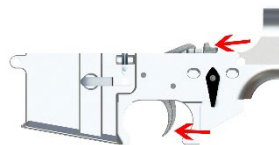


Figure r

See the Triad Installation videos on our YouTube channel –


www.fostechtriggers.com



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