



*******WARNING*******

UPON INSTALLATION OF ANY FOSTECH OUTDOORS, LLC BUMP FIRE STOCK YOU ARE AGREEING WITH THIS WARNING AND THE LIABILITY STATEMENT BELOW. IF YOU DO NOT AGREE, PLEASE FEEL FREE TO PRESENT YOUR PRODUCT BACK TO FOSTECH OUTDOORS, LLC FOR A FULL REFUND, AS LONG AS THE UNIT IS UNUSED AND RETURNED WITHIN 30 DAYS.

FOSTECH OUTDOORS, LLC 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 OUTDOORS DEVICE INCLUDING BUT NOT LIMITED TO THE SPRINGLESS AA2 (FROM THIS POINT FORWARD TO BE REFERRED TO AS THE AA2), WHEN SUCH USE OR ATTEMPTED USE IS IN CONJUNCTION WITH ANY FIREARM.

FIREARMS ARE INHERENTLY DANGEROUS AND BY INSTALLING AND USING ANY OF THE FOSTECH BUMP FIRE STOCKS YOU AGREE TO TAKE FULL RESPONSIBILITY FOR YOUR OWN ACTIONS BOTH INTENTIONAL AND UNINTENTIONAL.

FOSTECH OUTDOORS, LLC WILL, UNIVERSALLY, REFUSE TO OFFER TO REPAIR ANY DAMAGE TO PRODUCTS DUE TO MODIFICATION, ATTEMPTED MODIFICATION, USE, OR ATTEMPTED USE IN CONJUNCTION WITH ANY FIREARM OTHER THAN THE MODEL AND CALIBER FOR WHICH THE MANUFACTURER SPECIFICALLY INTENDED. THE AA2 IS CAREFULLY ENGINEERED WITH YOUR SAFETY IN MIND. ANY MODIFICATIONS OR ATTEMPTED MODIFICATIONS COULD RESULT IN A FATAL INCIDENT.

UNDER NO CIRCUMSTANCES WILL FOSTECH OUTDOORS, LLC OR ANY OF ITS PARENTS, AFFILIATES OR VENDORS (OR ANY OFFICERS, DIRECTORS, EMPLOYEES OR AGENTS OF THE PARTIES, OR ITS PARENTS, AFFILIATES OR VENDORS) BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL OR EXEMPLARY DAMAGES (HOWEVER OR WHENEVER ARISING), INCLUDING, WITHOUT LIMITATION, DEATH, DAMAGES FOR LOST REVENUE, LOST PROFITS, ANTICIPATED PROFITS, LOST BUSINESS OR PERSONAL INJURY.

TABLE OF CONTENTS

<u>INTRODUCTION</u>	3
<u>PART CONTENTS</u>	4
<u>ASSEMBLY</u>	4-11
<u>FUNCTION AND OPERATION</u>	12
<u>ATTENTION</u>	13
<u>COMPONENT RECOGNITION</u>	14



Introduction:

Congratulations on your purchase of the SPRINGLESS AKINS ACCELERATOR (AA2)! The AA2 is the finest unrestricted stock made for the Ruger 10/22 rifle. The AA2 will provide the platform to maximize your shooting experience. If at any point you would like to see a detailed video installation of the AA2, please visit us at fostechoutdoors.com. If you have further questions, feel free to contact us at 812-524-7279 so that we may assist you personally. Special thanks and recognition goes to **Mr. Bill Akins**. Bill's ingenious thoughts and inventions have dubbed him as the "Father of the Bump Fire Stocks."

The AA2 is an accessory specifically designed to enhance the versatility and useful sporting purpose of your firearm, bringing more fun and excitement to your recreational firearm usage. Its patented concept of operation allows rapid selection between standard and accelerated rates of fire, while drastically decreasing muzzle rise and recoil in both modes. This application of the AA2 allows the barreled action to reciprocate back and forth, offsetting the typical reliability issues found with lesser devices. Amazingly, it does all this without adding a single additional control to the platform or disabling any safety devices.

The engineering excellence of the AA2 continues through the selection of materials and quality of construction. It is designed with a minimum number of moving parts for ease of maintenance and assembly. The AA2 is a robust and versatile accessory that is certain to add new dimension to your sporting pleasure.

Part Contents:

The AA2 consists of five main components:

1. Linear Motion Assembly
2. Stock
3. KIDD 2-Stage Drop-In Trigger
4. Mounting Hardware
5. UTG Forgrip



Assembly:

*****SAFETY FIRST: DOUBLE CHECK YOUR FIREARM TO MAKE SURE IT IS NOT LOADED*****

Open your AA2 box and confirm that all the hardware and components are enclosed. Again, make certain that the host firearm is safe or “clear”. Refer to the firearm manufacturer’s manual to determine the proper procedures to make your firearm safe.

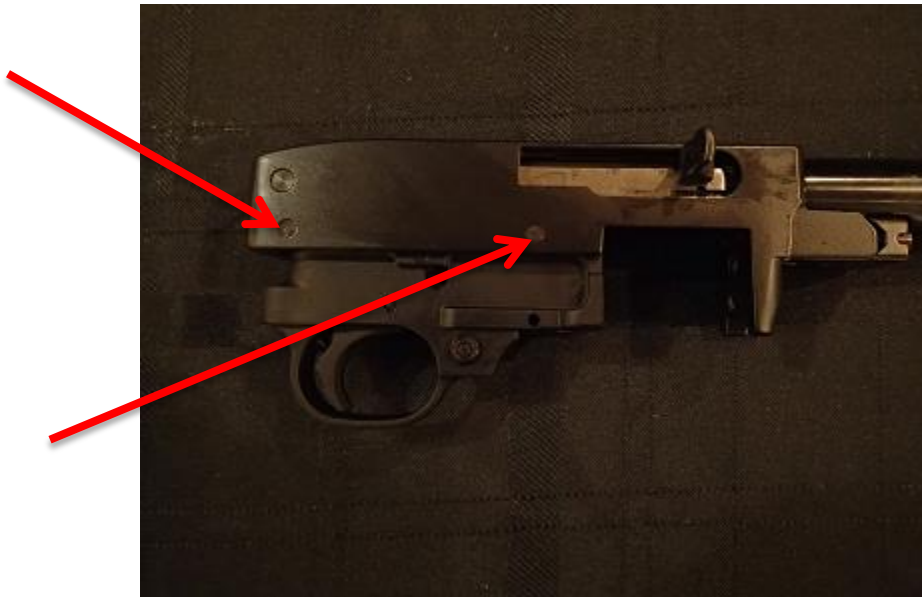
Prepare your rifle:

1. The safety selector is in the SAFE mode
2. Remove the magazine from your rifle
3. Double check the chamber to insure that the chamber is free of brass and ammunition by both visual and tactile inspection.
4. Remove the stock from the carbine on which the AA2 is to be installed. You accomplish this by simply taking out the screw in the bottom of the forearm of your 10/22 stock and by removing the front sling mount.



*Picture (Reference 4.0)

5. With the bolt forward on an empty chamber, remove the trigger group from the carbine by pushing out the two pins from the two holes lowest in the receiver.

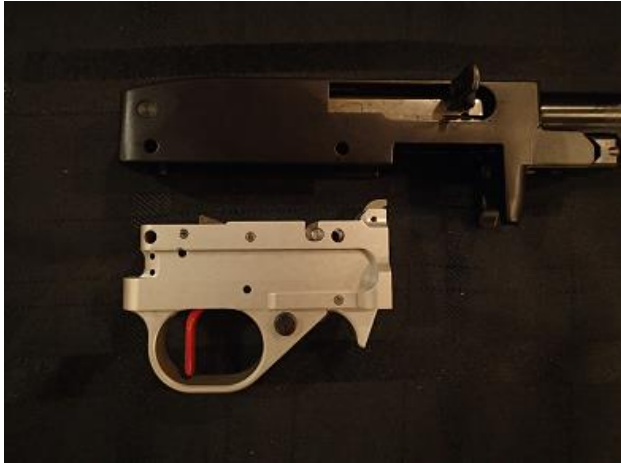


*Picture (Reference 5.0)

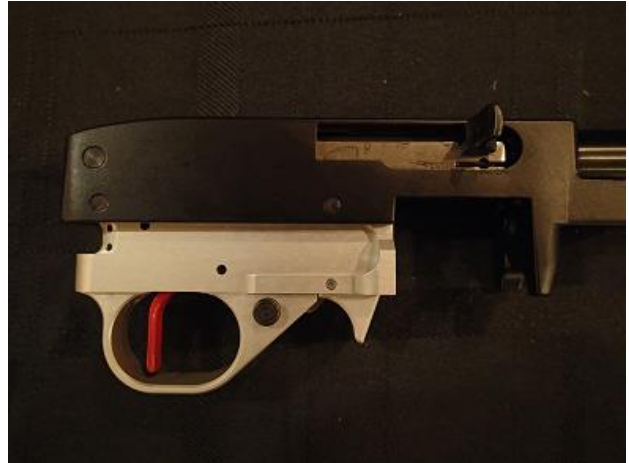
**At this point in time if you are not dealing with a new gun it is time to clean your weapon. This may seem a little out of place but it is important to ensure proper functionality of the firearm. Since you

already have your firearm apart, this is perfect timing to clean it, paying particular attention to the chamber. Forcing a round into a dirty chamber takes away a surprising amount of energy from the system and can be particularly difficult to diagnose a problem with the firearm if it has an unclean chamber. Scrub it out with solvent and a bronze brush. This is good practice even if it looks clean.

- a. Remove the trigger group from the receiver.
- b. Install your NEW KIDD TWO STAGE TRIGGER by aligning the trigger and receiver and reinserting the pins appropriately.



Picture (Reference 5a)



Picture (Reference 5b)

- c. Use a strip of electrician's tape to cover the pins that you reinserted to make sure the pins do not vibrate loose while shooting. This also aids in the ease of future disassembly for cleaning. Cut the tape at an angle to help hide its presence.
*All of the pins are normally retained by the factory stock and must either be replaced by KIDDS Receiver Pin kit (available at fostechoutdoors.com) or simply be retained with sturdy tape.



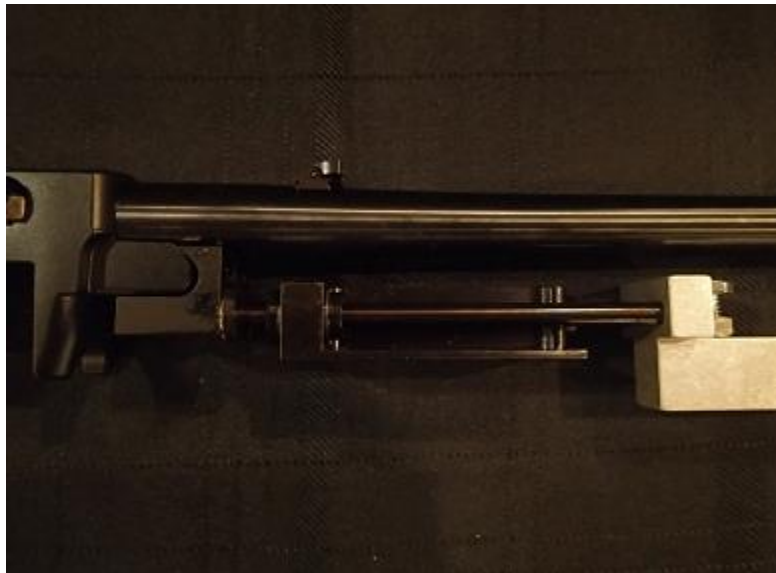
Picture (Reference 5c)

- d. Using the hex wrench provided, remove both barrel retaining screws from the V-block barrel retainer (at the front of the receiver below the barrel) and save the retaining screws for future use.
- e. Remove the V-block barrel retainer and set it to the side.



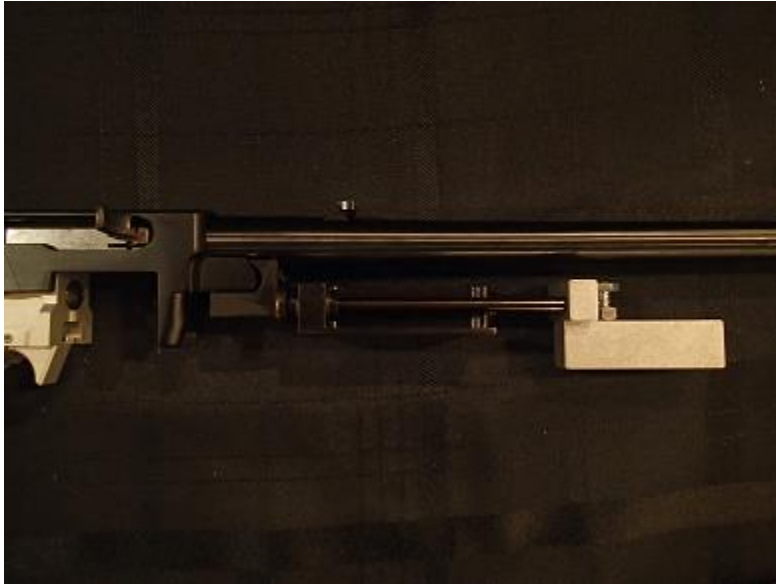
Picture (Reference 5d)

6. Install your LMA (LINEAR MOTION ASSEMBLY).
 - a. Take out your LMA from your AA2 stock.
 - b. Position the LMA in place of the V-Block barrel retainer. As with the factory V-block retainer, it does not fill the barrel cut. This is normal.



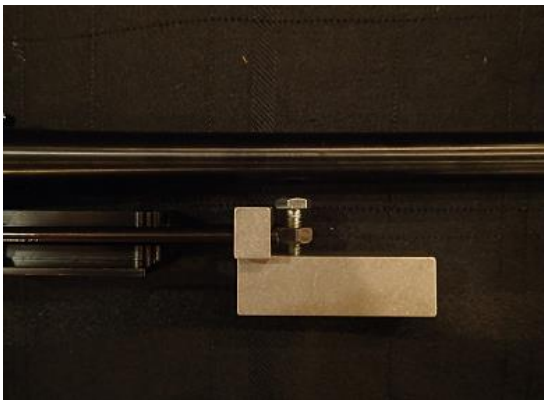
Picture (Reference 6b)

- c. Install both barrel retaining screws from step 5d. Use the ball end of the wrench to clear the barrel and LMA. Take care to line the barrel up parallel with the operating rods in the LMA as they are tightened.

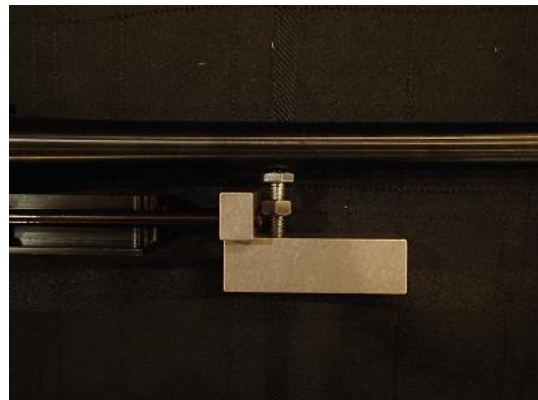


Picture (Reference 6c)

- *Screws apply a lot of force and will move the alignment back and forth as they are tightened. This is normal; just gently work them tighter, switching back and forth until you end up with both screws snug and the LMA is lined up parallel with the barreled action.
- i. If the barrel is not parallel with the operating rods in the LMA, the barreled receiver may rub on the stock, causing malfunction due to friction overtaking available energy from the system.
- d. Adjust the bolt from the front attachment plate to be snug against the bottom of the barrel. This gives stability to the overall rifle and keeps the rifle from flexing inside the stock. See the attached reference photo.



Picture (Reference 6d.1)



Picture (Reference 6d.2)

7. You are almost there!!!!!! Install the completed receiver and LMA onto your AA2 stock.
 - a. Holding your barreled action at an angle position the front attaching bar through the front whole on your AA2 stock (see picture). This will be a snug fit but once you clear the tab on your AA2 stock the rest of the action will slide right into place.



Picture (Reference 7a)

- b. Using the hardware provided, attach the LMA to the stock by placing one screw through each slot and screw them lightly into each of the threaded holes. Once this is done you can tighten the screws down.



Picture (Reference 7b.1)



Picture (Reference 7b.2)

- c. Now attach your front rail onto the LMA that shows through the forearm of your AA2 stock.

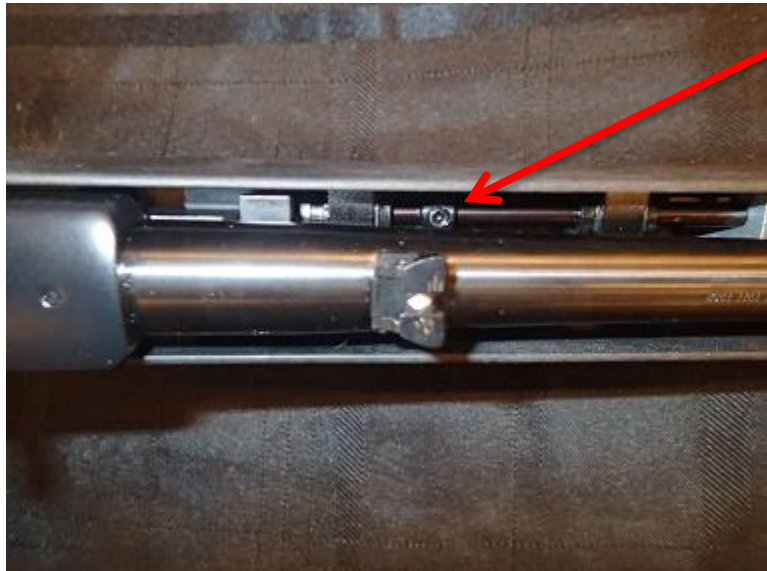


Picture (Reference 7c.1)



Picture (Reference 7c.2)

- d. The provided foregrip can now be attached in the desired position.
- 8. Remember that you do have a locking collar that is accessible from the top of the stock. *This is used to lock the gun into a fixed position so that it will not Bump Fire. You can also store the hex wrench for this application within the fore-grip.



Picture (Reference 8.0)

- 9. Congratulations you have completed the set up the AA2. Please feel free to check the video located at Fostechoutdoors.com to ensure you have completed proper installation.



Picture (Reference 9.0)



Picture (Reference 9.1)



Picture (Reference 9.2)

Function and Operation:

The AA2 does not change the mode of operation of the host firearm in any way. The operator’s finger still must depress the trigger once for each shot fired. The AA2 simply utilizes the energy from the recoil of the firearm to assist this function.

The patented AA2 allows the user’s host barreled action including the new KIDD trigger group to reciprocate rearward and return forward on precision shafts and bearings while the stock remains stationary. For conventional semi-automatic fire the shooter simply depresses the trigger with the pad of their trigger finger as normal. The shooter may also slide the locking collar down the LMA (LINEAR MOTION ASSEMBLY) to lock the gun into a complete semi-automatic mode. To switch back to a Bump Fire mode simply return the locking collar back to the Bump Fire position.

For accelerated semi-automatic fire with the AA2, the user simply bridges both integral finger stops on the stationary stock, thereby stabilizing the trigger finger. The movement of the trigger against the shooter’s fixed trigger finger in the counter recoiling rifle initiates an accelerated succession of individual semi-automatic shots. To cease firing the shooter simply moves the trigger finger forward or removes the forward pressure of the non-shooting hand on the forearm of the gun.

Due to the proliferation of accessories and options for the 10/22 the AA2 is designed to function with the OEM standard 10/22 carbine.

*****AMMUNITION WARNING*****

FOSTECH OUTDOORS, LLC SPECIFICALLY DISCLAIMS ANY RESPONSIBILITY FOR ANY DEATH, INJURY OR DAMAGE THAT MAY OCCUR BECAUSE OF, OR AS A RESULT OF THE USE OF OR ATTEMPTED USE OF FAULTY, REMANUFACTURED, OR RELOADED AMMUNITION, OR OF CARTIDGES OTHER THAN THE .22 LONG RIFLE, FOR WHICH THE 10/22 IS INTENDED FOR USE WITH THIS ACCESSORY AS CHAMBERED.

1. Extensive testing and feedback from field trials leads us to recommend CCI Velociter 40 grain .22 long rifle ammunition due to its uniform quality and power. Testing indicates slightly decreased reliability if the hollow-point variety is used, due to less-certain feeding when compared to the solids. 40gr weighted bullets are a requirement.
2. BE CERTAIN the ammunition you have chosen is compatible with your firearm.
3. 99% of all malfunctions we have experience has been to poorly made magazines and dirty firearms or magazines. Please be sure to keep you firearm and firearm accessories clean.

Attention:

- Remember Safety First!
- This system is designed to function on a standard carbine.
- Start with a good dependable 10 or 25 round magazine made by Ruger!
- Start with good 40 grain ammunition until you get the feel for it. This is a .22 and often times it does take some practice before you can dump a clip every time.
- Make sure you keep your rifle and magazines clean. Most common reasons for a jam or stall are either too much forward pressure or a dirty chamber or magazine.
- Go out and test it! Have some fun; take your wrench just in case you need to make some adjustments. And yes, TAKE LOTS OF AMMO!
- The KIDDS two stage trigger is an amazing drop-in trigger and we have them to thank for making the AA2 as dependable and fun as it is. Just remember, the two stage charging handle can be difficult to cycle. This is not an error in the trigger, it just takes some getting used to.

We at FosTech Outdoors, LLC again thank you for your purchase of our product. We are certain you will enjoy your experience. Our sales and service department can be reached from 8am-5pm Monday through Saturday at 812-524-7279.

Return Policy: Our stocks have a 100% money back guarantee. Once you receive your stock if you are not completely satisfied, simply return the stock within 14 days for a full refund so long as the stock and/or KIDD trigger have not been altered or modified in any way. Once all parts are confirmed, a prompt refund will be executed.

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**Warnings

