

ADDER 2.0 UPGRADE KIT

Instructions and Safety Manual



Read and follow all safety warnings and instructions in this manual.

Retain instructions and safety manual for future reference.

ADDER 2.0 UPGRADE KIT INSTRUCTIONS MANUAL

Foreword : Important Notice for Crossbow Upgrade Kit Users

Congratulations on acquiring your Adder 2.0 Upgrade Kit! This innovative kit is designed to enhance the performance and functionality of your Adder, providing you with an exceptional shooting experience. Before you embark on this upgrade journey, we urge you to read this foreword carefully, as it contains essential information that governs the proper use of the kit and related warranty coverage.

● **Warranty Coverage :**

Upon adhering to the upgrade instructions outlined in this manual, you are eligible for warranty coverage as stipulated in the product warranty. This warranty is a testament to the quality and durability of our upgrade kit, and we stand firmly behind its performance when correctly installed and utilized.

● **The Importance of Following Instructions :**

We cannot overemphasize the significance of following each step, guideline, and precaution provided in this manual. Deviations from the prescribed procedures might result in improper assembly, reduced functionality, or potential hazards. Thus, we highly recommend your full dedication to understanding and implementing the instructions as directed.

● **Assumption of Responsibility :**

By choosing to upgrade your crossbow with our kit, you assume full responsibility for the installation and any consequences that may arise. Any misuse, negligence, or noncompliance with the instructions provided herein may void your warranty and hold you accountable for any resulting damage or injury.

● **Seek Professional Guidance :**

If you encounter any doubts or uncertainties while performing the upgrade, we strongly advise seeking assistance from your local crossbow technician or reach out to us at Ek Archery Research. Our expertise will ensure a successful upgrade and help maintain the product's integrity. You can reach us at either sales@ek-archery.com or sales@thefastnacht.com

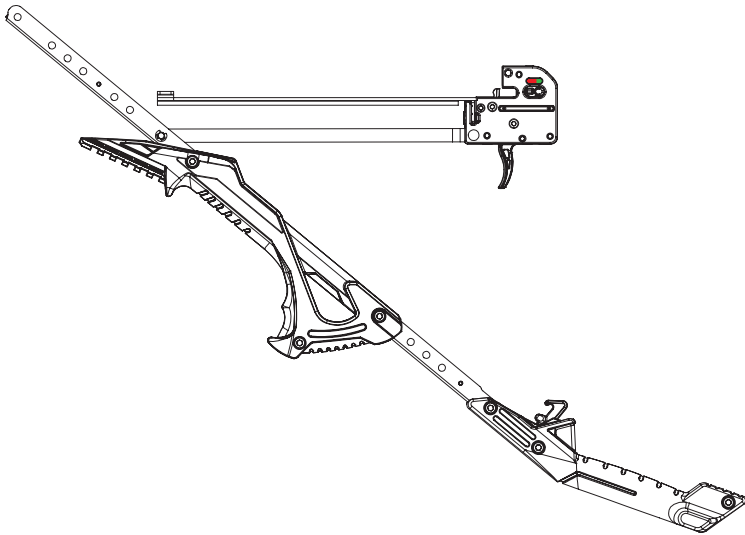
● **Legal Compliance :**

This upgrade kit conforms to applicable laws and regulations regarding crossbow modifications. Users are responsible for verifying local regulations and ensuring compliance before proceeding with the upgrade. By proceeding with the upgrade process, you acknowledge that you have thoroughly read and understood this foreword, the instruction manual, and all accompanying materials. Your decision to proceed signifies your agreement to abide by the terms and conditions specified herein.

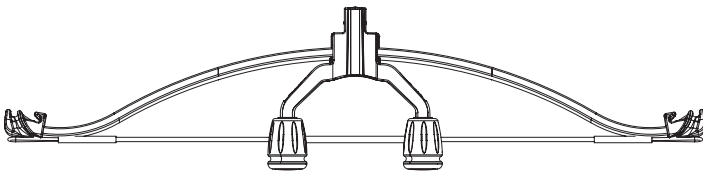
We wish you an enjoyable and safe experience with your upgraded crossbow!

Parts Diagram :

Cocking lever & Trigger mechanism set



Pre-strung limb set



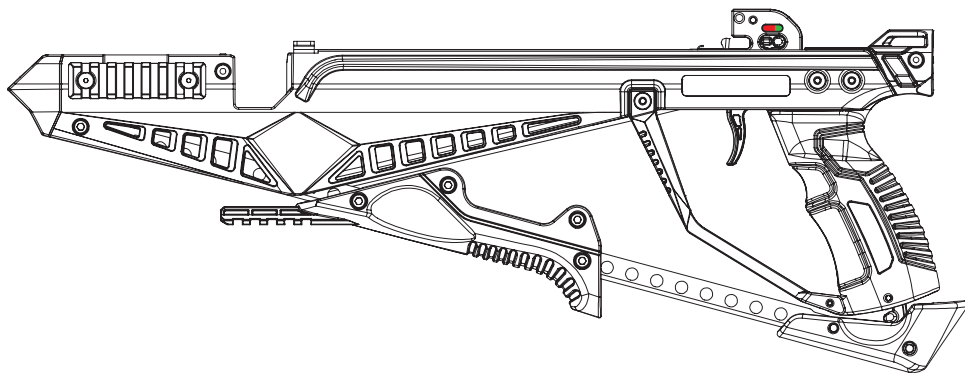
Package Includes :

- 1 x 180lb limb set
- 1 x Cocking lever
- 1 x Trigger mechanism set
- 14 x 7.5" Carbon Bolts

Disassembly Guide

A Remove the Limb Set, Magazine and Buttstock of the RX ADDER crossbow to restore it to its original state. (As shown in the picture)

NOTE: To learn how to disassemble the R-series crossbow, please refer to your ADDER instruction manual p.15-16.



DON'T USE POWER TOOLS TO INSTALL THE SCREWS IN THIS UPGRADE KIT. WE RECOMMEND USING HAND TOOLS TO PREVENT DAMAGE TO YOUR CROSSBOW AND KIT

Of Course You Know How To Tighten / Untighten A Screw, Nevertheless :

1. Gather the Right Tools :

Before you start, make sure you have the correct-sized Allen wrench (hex key) that matches the screw head. Provided in your kit are a pair of serviceable 5/32" and 1/8" Allen wrench (hex key). Using the wrong size can lead to damage. (We prefer the T-Handle type Allen Key for our bench work, but those provided in the kit will work fine.)

2. Position the Allen Wrench :

Insert the Allen wrench fully into the hex socket of the screw. Ensure a snug fit to maximize torque transfer. When rotating the tool, keep it firmly in the hole, maintaining downward pressure.

3. Righty-Tighty, Lefty-Loosey :

Remember the old saying! Turn the wrench clockwise to tighten the screw. Apply steady pressure, but don't force it initially.

4. Preventing Rounded Screw Heads :

When using the Allen wrench, make sure it fully engages the screw head. Keep the wrench straight and aligned with the screw to avoid slippage and rounding out the head. If you're finding it hard to turn, stop immediately and reevaluate the wrench's position and the screw's condition.

5. Dealing with Very Tight Screws :

If the screw is hard to turn, don't force it too much right away. Applying sudden excessive force can strip the screw or damage the surrounding material. Get some leverage on your wrench to break the screw. Sometimes it's necessary to give the stubborn screw head a little tap with a small hammer or alternatively to apply some penetrating oil. Be careful not to wallow out the hex socket of the screw.

6. Hand Start the Screw to Avoid Cross-Threading :

Ensure the screw threads align properly with the hole before turning. Start by turning it counterclockwise (left) to feel for the threads' initial engagement. Once you feel a click or slight resistance, carefully begin tightening clockwise (right). After you get it started, then use your hand tool to screw it in.

7. Go Slow and Steady :

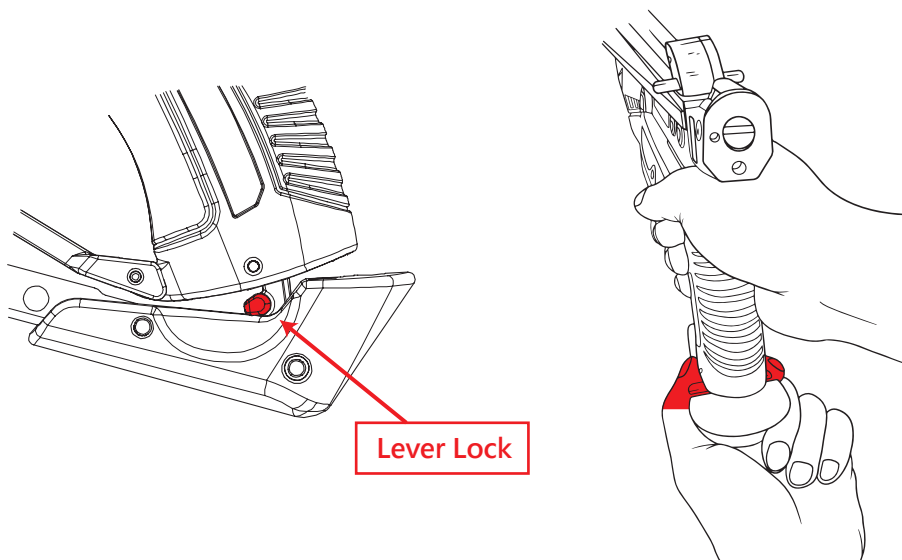
Take your time while tightening the screw. Gradually increase the torque until it feels snug. Rushing can lead to mistakes and damage.

8. Knowing When It's Tight Enough :

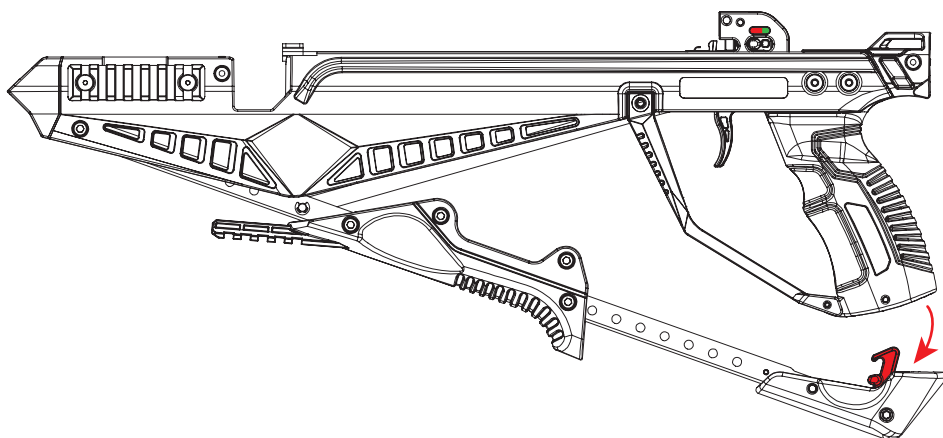
Aim for a snug fit. Stop turning when you feel resistance, and the screw feels secure. There shouldn't be a gap. Avoid overtightening, as it can damage the screw or the threaded hole.

B Before disassembling the original lever, grab the Lever Lock with your thumb and index finger and pull the Lock backwards to release it from its housing in the base of the grip.

STEP B-1

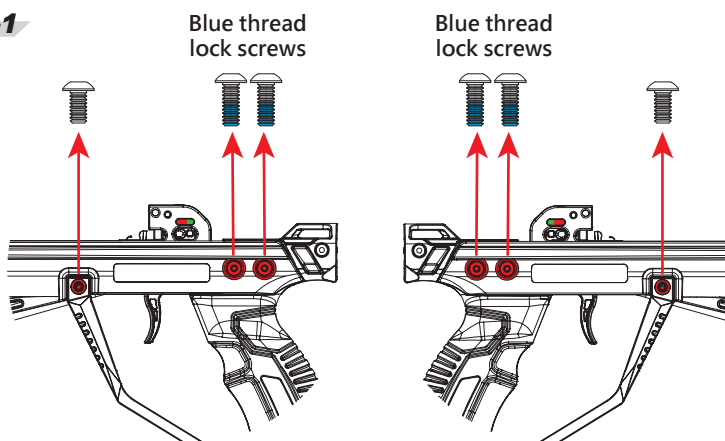


STEP B-2

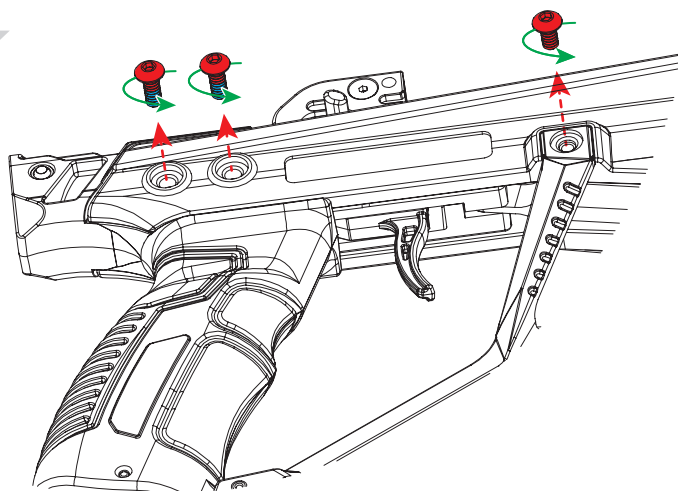


C Using the two hex wrenches provided in the accessory kit, follow these steps to remove the six screws in sequence. **Step C-1** : Identify the six screws that need to be removed from the designated areas. Choose the appropriate-sized hex wrench for the first screw. Insert the hex wrench into the screw head, ensuring a secure fit. **Step C-2** : Rotate the hex wrench counterclockwise (left) to loosen the screw. Continue rotating until the screw is completely loosened and can be removed by hand. Repeat Step C-2 for the remaining five screws, using the appropriate-sized hex wrench for each screw.

STEP C-1

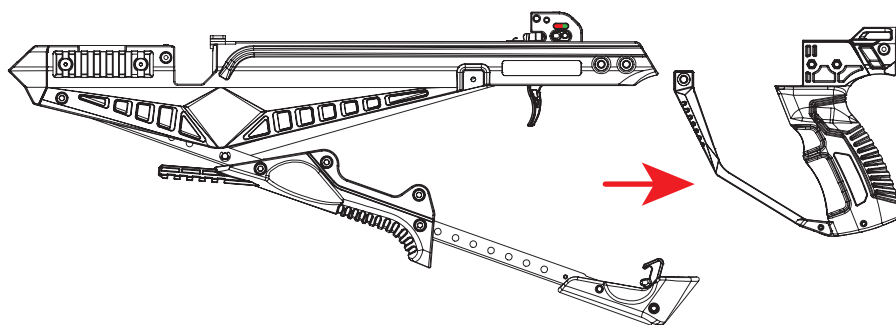


STEP C-2

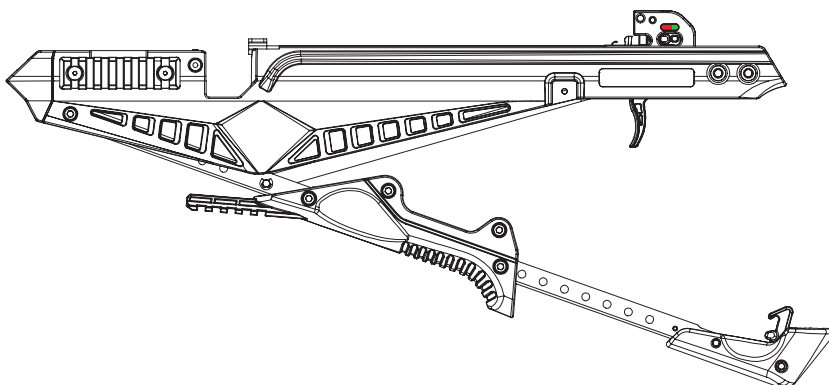




Once you have successfully removed the six screws, pull the grip backwards to separate.

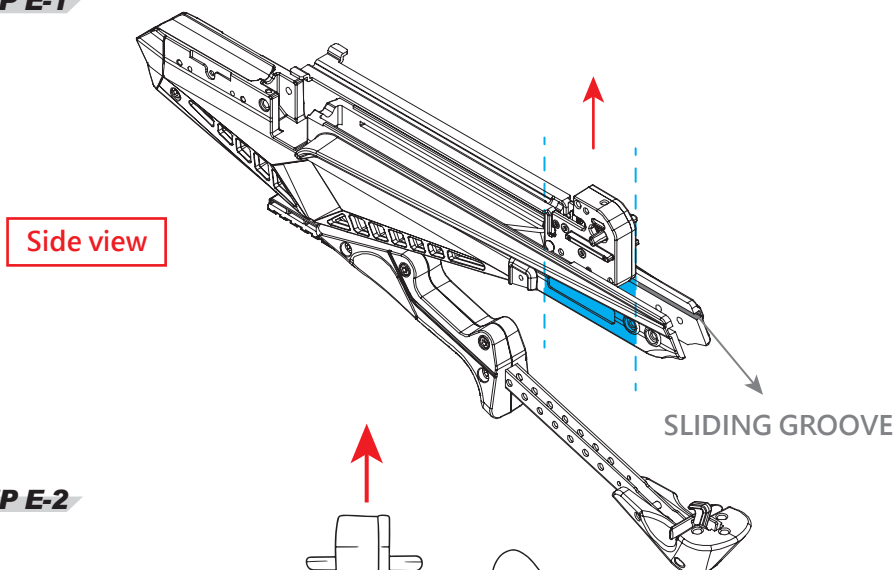


Disassembly Completed.

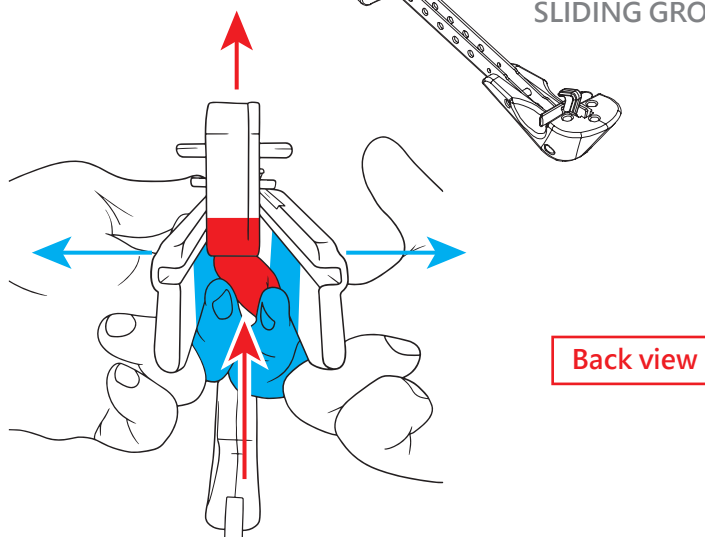


- E** To disassemble the Trigger Mechanism, follow these steps carefully :
- Step E-1 :** Hold the Crossbow body and trigger mechanism as shown.
- Step E-2 :** Pull away the end of the crossbow body, using both index fingers to push up on the trigger mechanism from below, exerting upward pressure. As you push up, the trigger mechanism will disengage from the sliding groove. Once the trigger mechanism is free, carefully lift it out of the sliding groove.

STEP E-1



STEP E-2

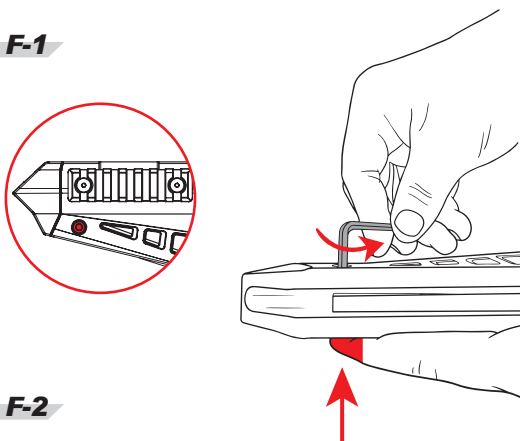
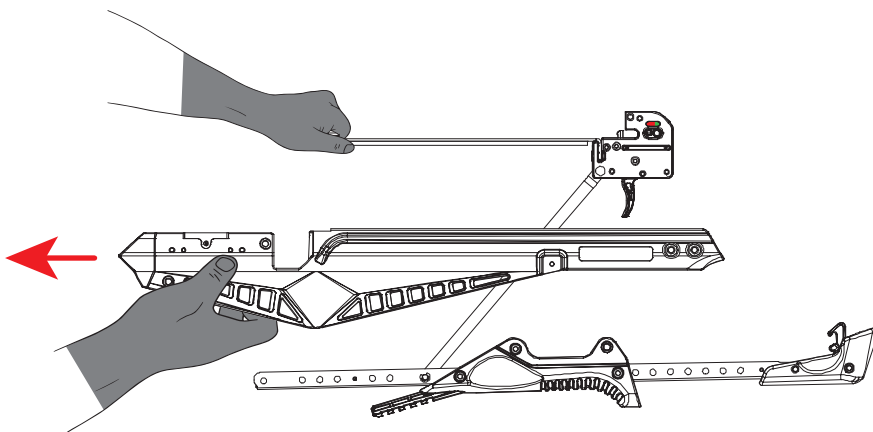


NOTE:

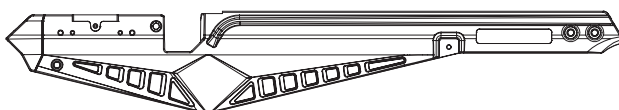
Be careful to avoid any potential hand injuries caused by the sharp edges of the sliding groove.

F

To remove the original cocking lever, place the parts on a flat surface and follow these steps : Using the M5 hex wrenches provided in the accessory kit to unscrew. **Step F-1** : Apply force to loosen the screw by turning it counterclockwise (left). While loosening the screw, ensure that the nut does not fall out or spin freely. **Step F-2** : Once the screw is sufficiently loosened, gently pull the crossbow body forward to separate the lever.

STEP F-1**STEP F-2**

Disassembly Completed.



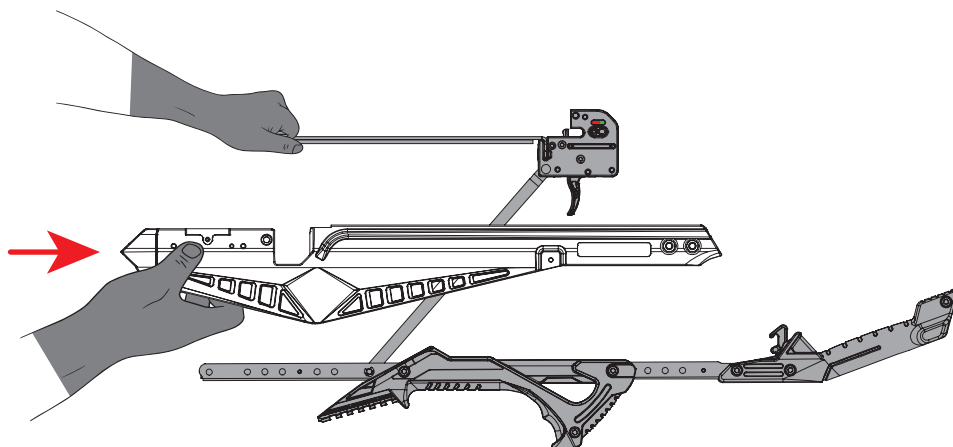
Assembly Guide

1

The pre-assembled ADDER 2.0 upgrade kit including trigger mechanism and cocking lever.

Put the crossbow body and upgrade kit on a flat surface.

Hold the crossbow body and insert into the sliding groove.



2

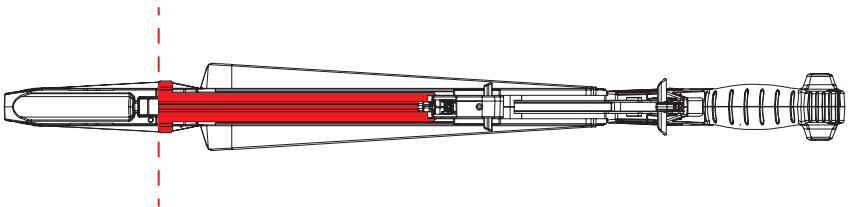
To install the Trigger Mechanism into the sliding groove of the Crossbow Body, follow these steps :

Step 2-1 : Open the sliding groove of the end of Crossbow Body by slightly pulling it apart. Position the Trigger Mechanism from above and align it with the sliding groove.

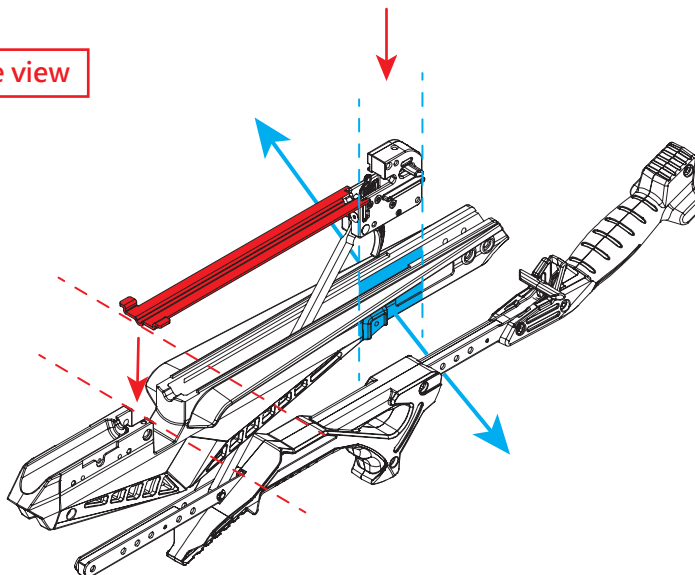
Step 2-2 : Carefully insert the Trigger Mechanism into the sliding groove, ensuring a proper fit. (Pay attention to the orientation of the flight track, and align its front side with the corresponding recess on the Crossbow Body. While inserting the Trigger Mechanism, avoid tilting it at too steep of an angle.)

STEP 2-1

Top view

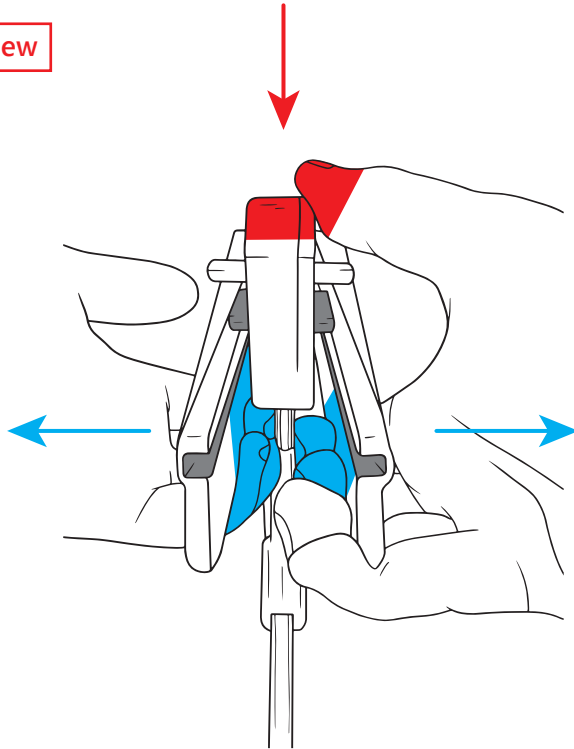


Side view



STEP 2-2

Back view

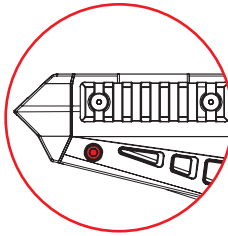
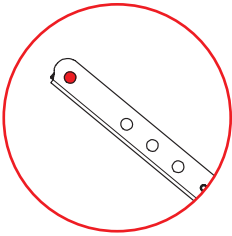


NOTE:

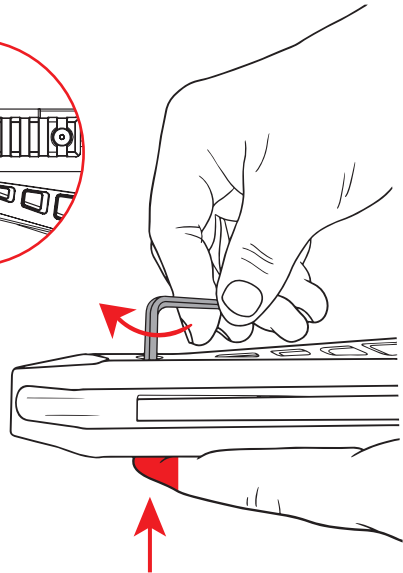
- When installing the flight track, it is recommended to align the front of the seat within the recess.
- Avoid excessively tilting the unit and be mindful of the sharp edges of the sliding groove.

3

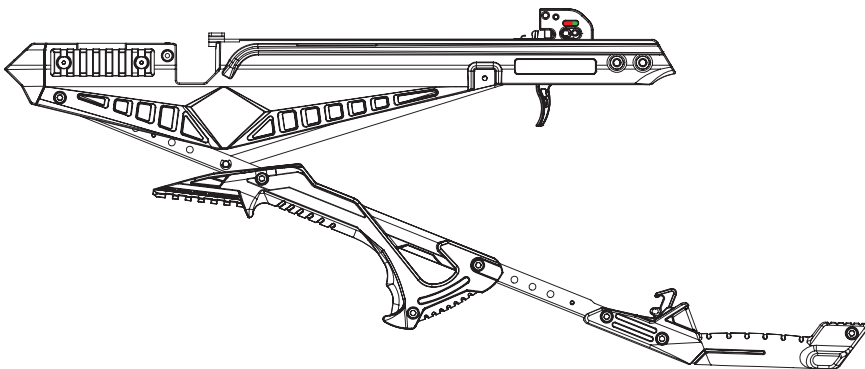
To install the new cocking lever, place the parts on a flat surface and follow these steps : Use the M5 hex wrenches provided in the accessory kit to tighten the screw. Apply force to tighten the screw by turning it clockwise. While tightening the screw, ensure that the nut does not fall out or spin freely.



Align the front mounting hole of the cocking lever with the front position of the crossbow body (as picture shown), and tighten the screw.

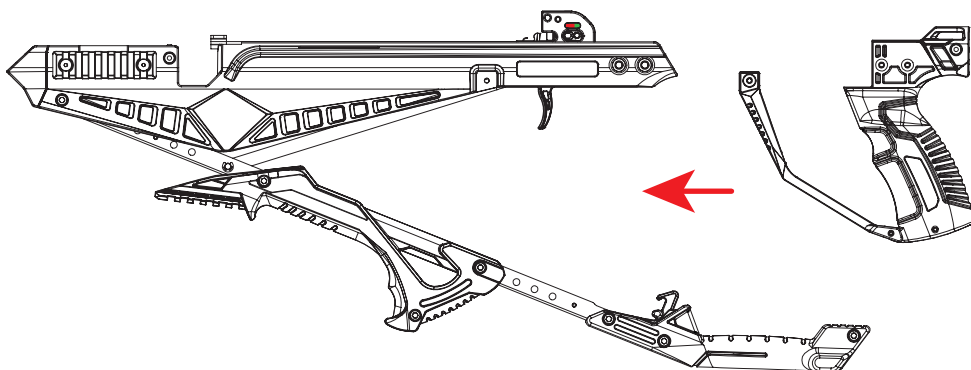
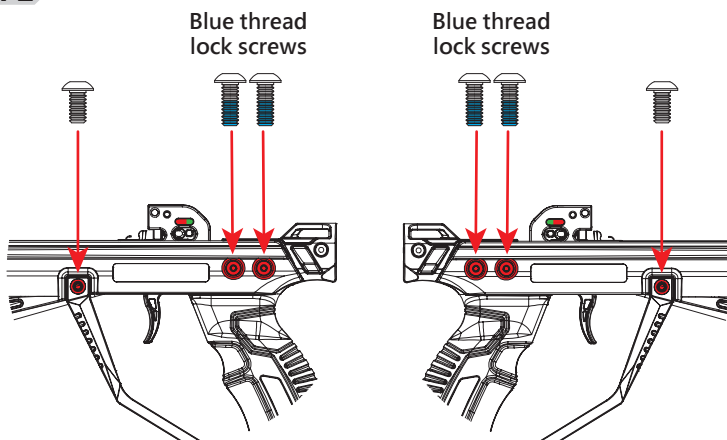


Assembly Completed.

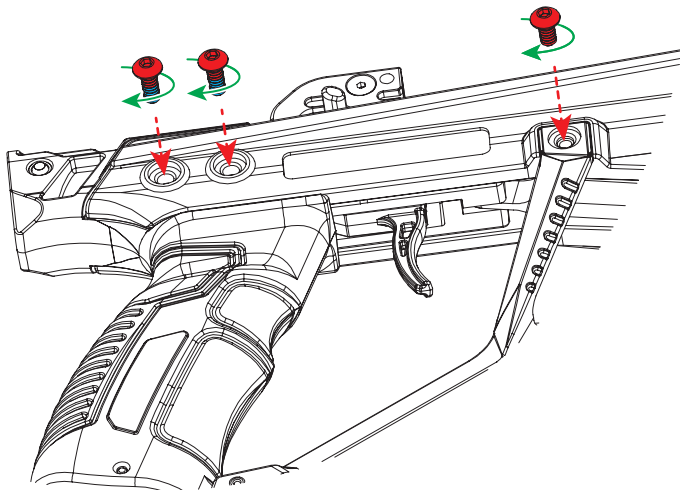


4

To assemble the grip, follow these steps : Use the new screws from the accessory bag. **Step 4-1** : Insert the grip into the rear end of the crossbow body, aligning it with the corresponding holes. **Step 4-2** : Take the two Hex screws without thread lock and fasten them securely on the rear end of the body and on both sides of the Trigger Guard. Ensure a tight fit. Take the four screws with blue thread lock , and use them to secure the grip in place. Make sure to use correct screws in their desinated holes to avoid assembly errors. **Step 4-3** : Turn the hex wrench clockwise (right) to lock the screw.

STEP 4-1**STEP 4-2**

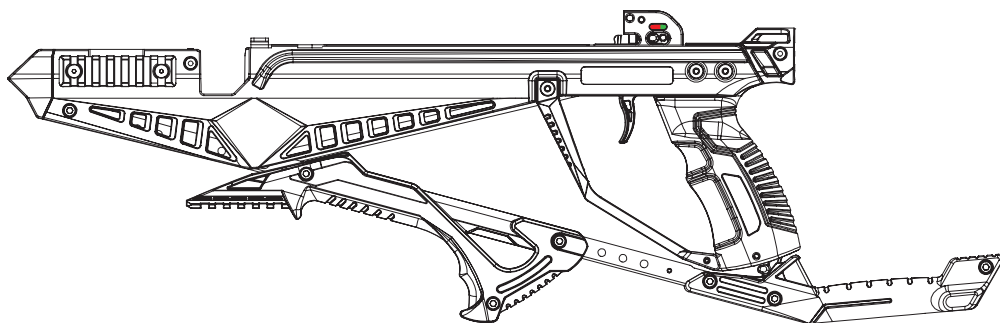
STEP 4-3



NOTE:

Pay close attention to the positioning of the screws to prevent incorrect assembly.

5 ADDER 2.0 Upgrade kit assembly completed !



We highly recommend following this testing procedure to ensure Adder mechanism functions correctly. This step is essential for your safety and the optimal performance of your crossbow.

1. Verify Proper Installation :

Double-check that you have correctly installed all components of the Upgrade Kit according to the instruction manual provided. Confirm that each part is securely fastened and aligned with your crossbow. You shouldn't have any left-over parts!

2. Check the Cocking Lever-Action and Locking Mechanism :

Without a Limb-set or Magazine installed, cycle the lever action several times. The lever action should move smoothly and consistently without any sticking or hitching. Ensure that the lever reaches the fully cocked position and returns to its starting position effortlessly. The Cocking Lever should easily click back into place in the pistol grip.

3. Prepare for Test-Shooting :

We recommend that you use a lower poundage limb set for test firing. A 90lb or the Adder's original 130lb limb set works well. Install the lower poundage limb set and the magazine. Find an open and safe area free of obstructions, people, or animals. We recommend using a shooting range or a dedicated crossbow shooting area for the testing process.

4. Checking the Cocking Mechanism and Cycling During the First Test Shots :

When cycling the upgraded Adder, pay close attention to any unusual resistance or difficulty during the cocking process. The lever action should move smoothly and consistently without any sticking or hitching. After engaging the lever action, verify that it securely locks the string in place and maintains a stable cocked position. Ensure that the crossbow's safety features function correctly

- For test shooting we recommend loading the bolts one at a time for the first three shots. After the first three shots, completely load the magazine with fresh bolts and shoot it until empty.
- The trigger mechanism of the Adder 2.0 may feel different than your original Adder. It may be stiffer and trigger break unfamiliar. Get used to the Take-Up, Break and Over-Travel of your new Trigger Box.

5. Check the New Screws and Parts of your Upgrade Kit :

After a number of test shots, it's a good time to look over the new screws you have installed on the Cocking Lever and the Crossbow Body (Steps 3 & 4). If everything looks good, then it's time to install the 180lb limbset.

6. Repeat the Pre-Testing with the 180lb Limbset :

Repeat Steps 4 and 5 with the 180lb limbset to ensure reliable lever action, trigger box and safety performance.

If you encounter any issues during the testing process, STOP using the crossbow immediately. Contact our customer support team for assistance and refrain from shooting until the issue is resolved.

Completing this testing procedure will help you verify that the Adder 2.0 Upgrade Kit has been installed properly. Your safety is our top priority, and we want you to have the best experience with your upgraded crossbow.

Warranty Registration must be mailed within 10 days of purchase to validate the warranty.

Dealer's contact information :

Model Number/Name

Date of Purchase

Purchaser's Name

Address

City

State

Zip Code

Email

Phone Number

