REVO 7

Instructions and Safety Manual



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

Retain instructions and safety manual for future reference.

TO THOSE WHO ARE ABOUT TO SHOOT, WE SALUTE YOU!

For thirty years, the team at Ek Archery Research has been devoted to the manufacturing of quality archery products. As our company matures, we continue to challenge ourselves to embrace even higher ethical standards over a wide range of issues including how our manufacturing impacts the environment, fair and conscientious trade conventions and the well-being of our end-users. We would also like to emphasize our continued advocacy of ethical hunting practices and our expectations that our products are not to be used to maliciously hurt humans, animals or property.

We ask that in Your enjoyment of our products, You would consider the privilege and duties of owning this crossbow. This is a very potent device that demands Your respect and thoughtfulness; misusing it or underestimating its potency will inevitably lead to devastating consequences for yourself, other people or nature.

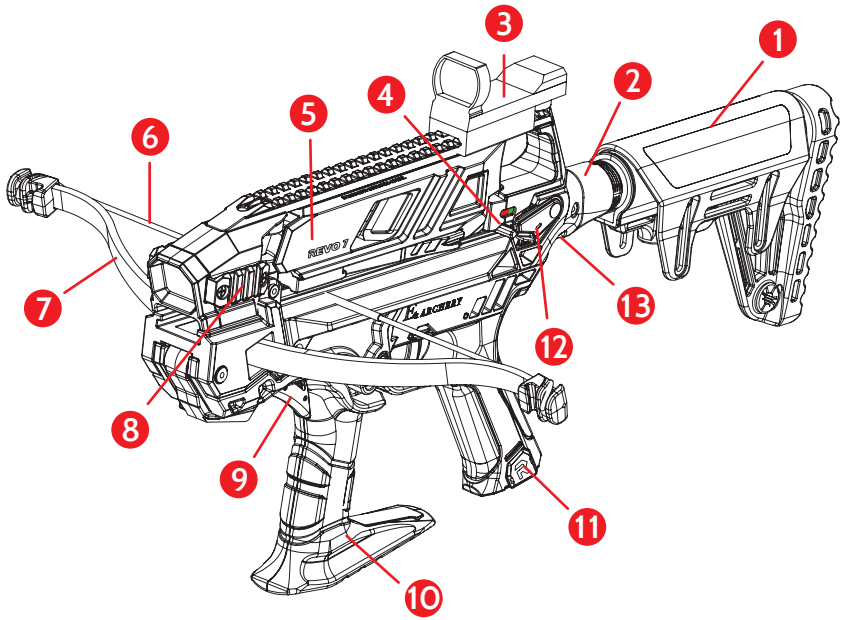
With great power comes great responsibility. We hand this crossbow over to You, with the hope that it will be operated with restraint and wisdom.

REVO 7 CROSSBOW INSTRUCTION MANUAL

Congratulations! You own an Revo 7 Crossbow! A compact, fast handling and powerful crossbow for your serious shooting enjoyment!

- The limb set comes pre-strung and is designed to be quickly attached or detached from the main body for transport and storage.
- With only a pen, nail, or bolt tip as a tool, the limb set and stock can be added or removed from the main body. With a little practice you will be able to put it together or take it apart in under ten seconds.
- The bolts that come with this crossbow have high energy and deep penetration on impact. (Therefore, shoot at appropriate target materials and at safe distances. Don't underestimate the power of the bolts!)
- It is necessary to practice a safe and correct form when operating the cocking arm and safety mechanism. (Learn how to correctly cycle the Revo 7 Crossbow before trying to shoot proficiently.) Otherwise, you can seriously harm yourself and cause your crossbow to have a short and sad service life.

Crossbow Diagram



1. Stock (Extendable)
2. Buffer Tube for Tactical Stock
3. Aluminum Red Dot Sight
4. Trigger Box with FIRE/SAFE Safety
5. 7-Bolt Magazine
6. Bowtring
7. Limbset
8. Picatinny Rail
9. Cocking Latch
10. Cocking Handle
11. Decocking Tool
12. Fire Control System
13. Sling Mount

Deluxe Package Includes :

- 7 x 6.5" Carbon Bolts
- 1 x String Wax
- 1 x Set Replacement Limb Tip
- 1 x AR Stock with Buffer Tube
- 1 x Aluminum red dot sight
- 1 x Safety Glasses
- 1 x Restringer
- 1 x Replacement String
- 1 x Limbset (90Lbs)

READ THIS BEFORE YOU REMOVE THE STRING WARNING LABEL. BY REMOVING THE STRING WARNING LABEL, YOU HAVE READ AND FULLY UNDERSTAND HOW TO SAFELY OPERATE THE REVOX PISTOL CROSSBOW.

DON'T LET ITS SIZE FOOL YOU! THE REVO 7 CROSSBOW IS A POWERFUL AND DANGEROUS DEVICE THAT WILL BITE YOU AND HARM OTHERS IF YOU UNDERESTIMATE IT OR DISREPECT IT. YOU HAVE BEEN WARNED!

Your Revo 7 Crossbow will reward you with a lot of shooting fun IF you read through the following instructions thoroughly.

EVEN MORE WARNINGS THAT YOU SHOULD READ:

- Obviously, this is not a toy and adult supervision is required. Misuse or careless use may cause serious injury, death or terrible lawsuits. Use common sense.

- It is extremely important to read and follow these instructions before attempting to use your crossbow. Serious injuries to yourself or others, damage to your crossbow, or poor performance from your crossbow could result from failure to thoroughly read and understand the instructions. Crossbows should only be used by those who are properly trained in safety or under the supervision of a qualified instructor.

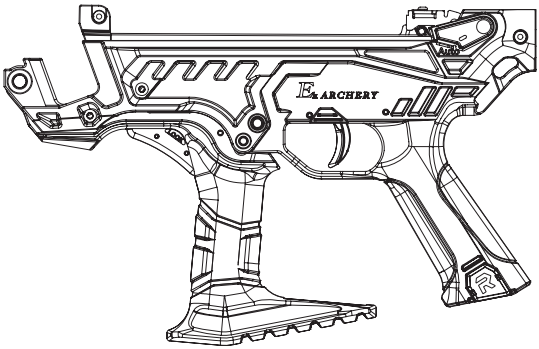
- This is a high powered crossbow intended to be used by those who are 18 years of age and over.

- Purchasers and users should obey and follow all federal, state, and local laws and restric tions regarding the ownership and use of crossbows.

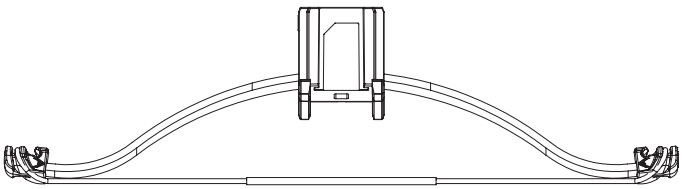
- FEED YOUR CROSSBOW PROPERLY! Use the bolts that are specifically designed for this crossbow. Usage of any other bolts may void the warranty service.Bolts of improper stiffness, size, weight or length may cause damage to the crossbow and possibly causing personal injury.

Major Components of the Crossbow :

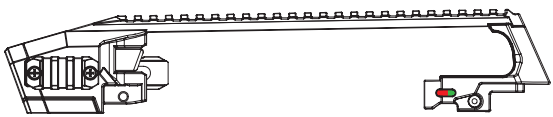
Main body



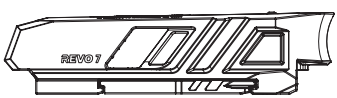
Front End (Limbset)



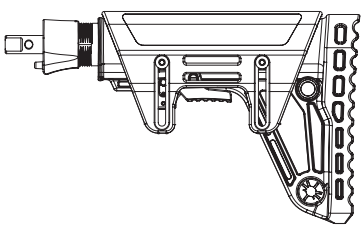
Magazine frame



Magazine



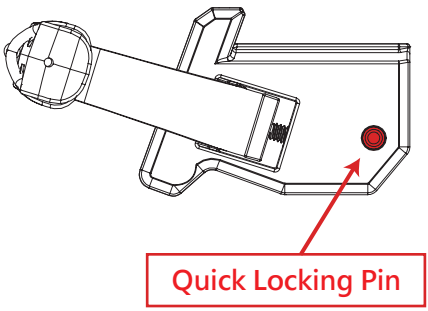
Stock

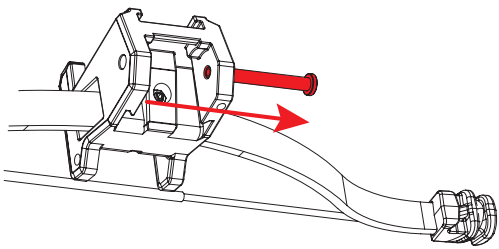


Assembly Guide

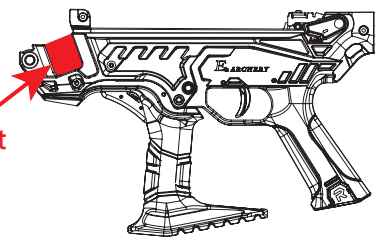
A Locate the Quick Locking Pin on the right side of the Front End. Using a pen, nail, or bolt tip to push each Pin inwards until it starts to protrude from the other side. Continue to pull the pin though, by hand, until it stops.

IMPORTANT: Do not push/pull the pin using excessive force when assembling or disassembling the crossbow. The Revo 7's Quick Locking Pins are not intended to be removed from the crossbow's components. If a Quick Locking Pin becomes stuck or falls out, send your Revo 7 Crossbow to a certified Ek Service Center for repair.

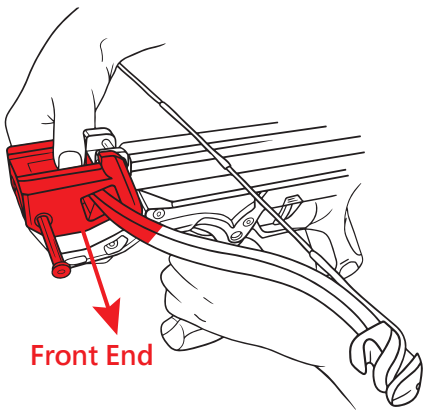




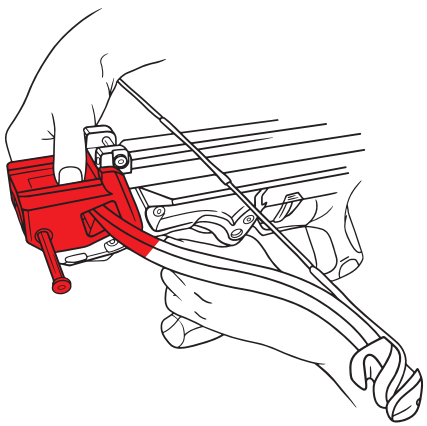
B Slide the Front End into the Limb Slot and press it gently and firmly into place.



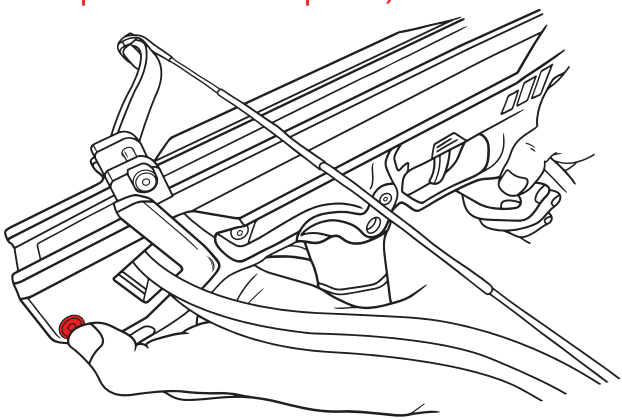
STEP B-1



STEP B-2



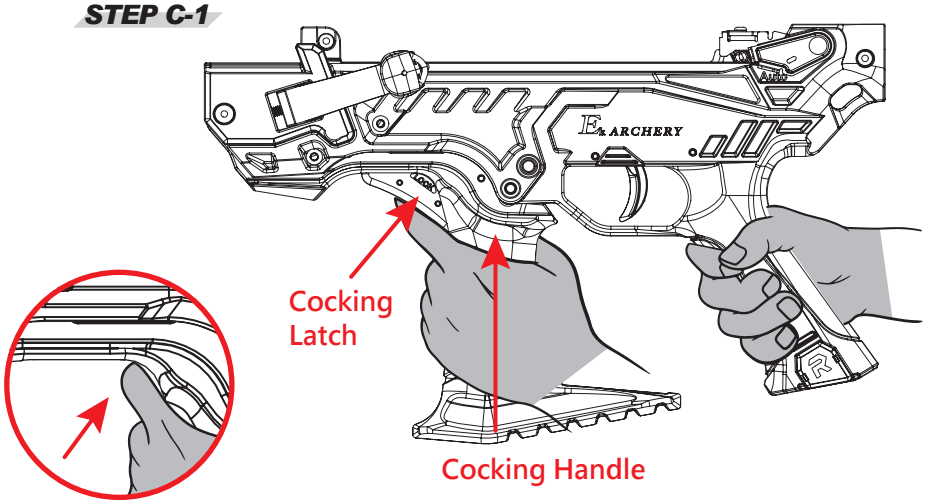
Secure the Front End by completely pushing both Quick Locking Pin into a locked position. There is a clear "click" sound. Only when the Pin is completely pushed back into position and its head is flat with the surface, has the Front End been properly secured. (If a component is not properly seated in place, it will be impossible to push the Pin into place.)



C *Magazine Frame Assembly :*

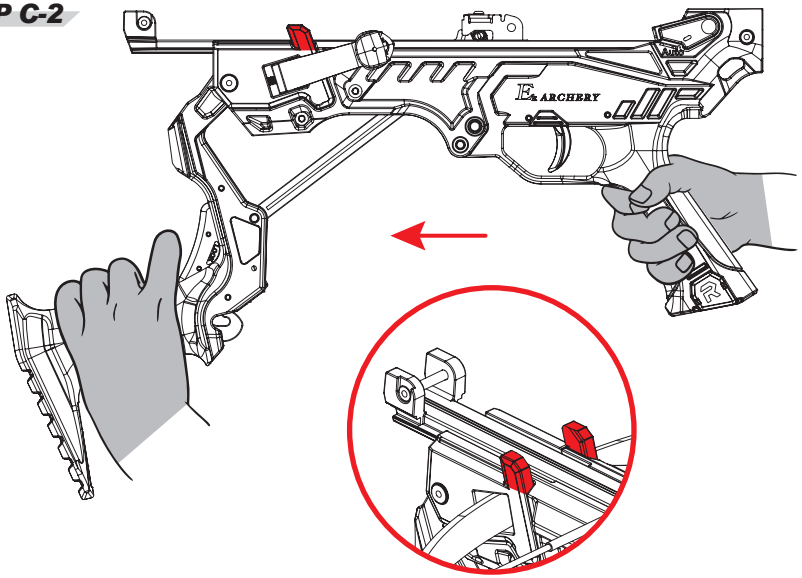
Step C-1 : Holding the Pistol Grip with one hand, with the other hand, grasp the Cocking Handle and using the index finger to press down the Cocking Latch; unlock the Cocking Handle.

STEP C-1

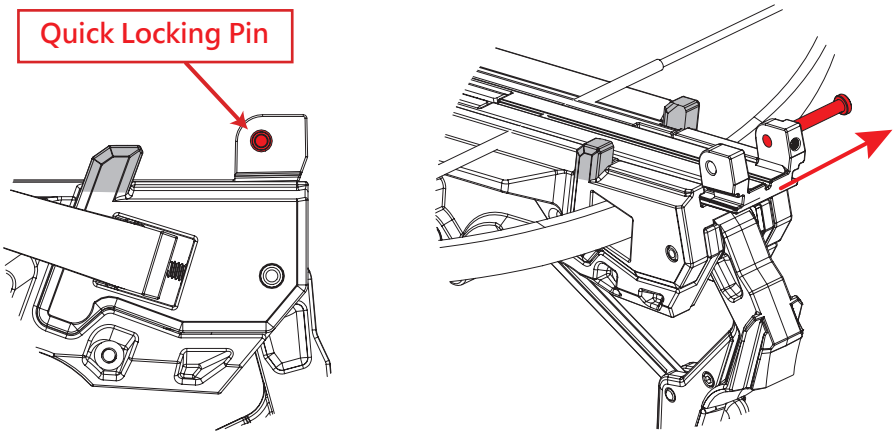


Step C-2 : Now that the Cocking Latch is unlocked, push the Cocking Handle forward and extending the front of the Flight Track out from the front of the crossbow. Hold the Cocking Handle with one hand while holding the Pistol Grip with the other hand. Use your index finger to press the Cocking Latch while pushing the Cocking Handle upwards to unlock it.

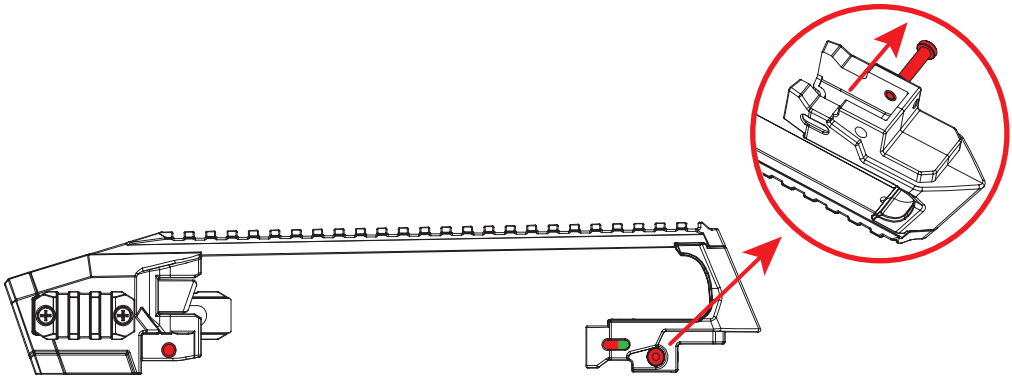
STEP C-2



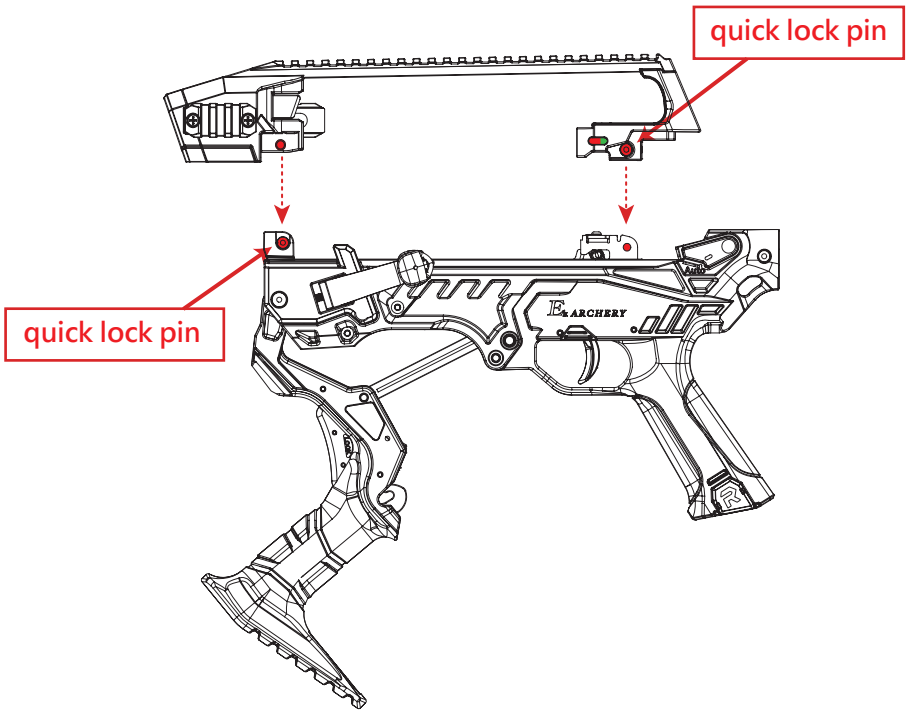
D On a bracket at front of the Flight Track locate and unlock a Quick Locking Pin by pulling it through. This is where the front of the Magazine Frame will be fitted into place.



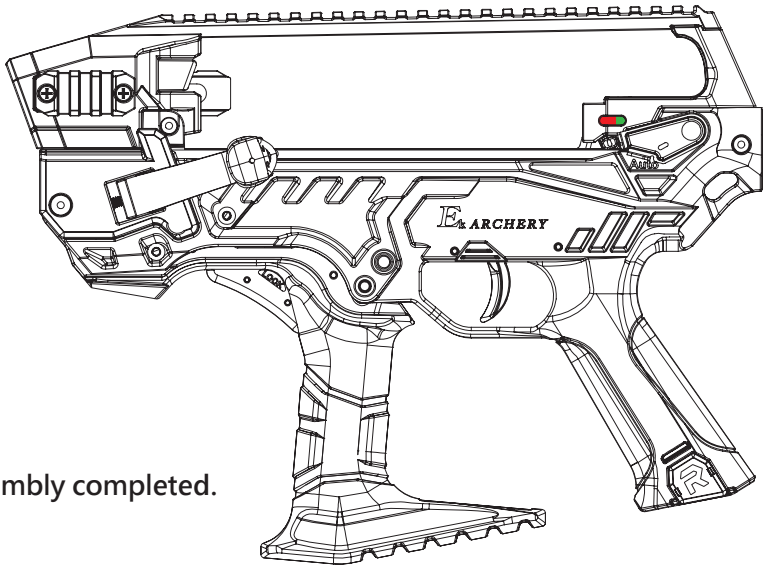
E Prepare to install the Magazine Frame by locating the Quick Locking Pin at the rear of the frame and pull the Pin through completely.



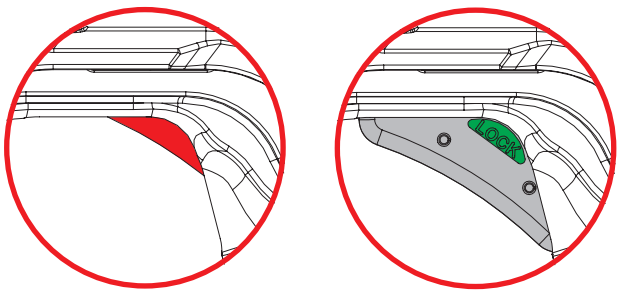
F Install the Magazine Frame, by aligning it as shown in diagram. Seat the Magazine Frame in place by aligning the front and rear Pins with the appropriate hole. Push both Pins completely back into place, mating the Magazine Frame to the Main Body of the crossbow.



G Retract the Cocking Handle, returning it back into position. When operating the crossbow, the Cocking Handle must be firmly locked into place before releasing the shot. The Cocking Handle is locked correctly when the Cocking Latch protrudes as illustrated in the diagram.



Assembly completed.



INCORRECT **CORRECT**

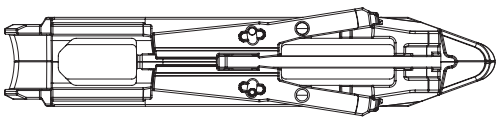
WARNING : ALWAYS CYCLE THE COCKING HANDLE COMPLETELY! MAKE SURE THE COCKING HANDLE IS SOLIDLY LOCKED INTO THE MAIN BODY BEFORE SHOOTING.

Loading the Magazine

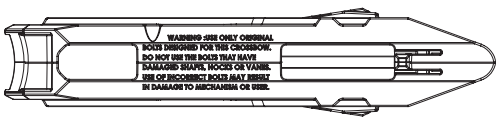
The Revo 7 's Magazine can accommodate up to 7 bolts. This magazine is designed to be used only with the Revo 7 crossbow. Use only the Revo 7 's specialized crossbow bolts.

Loading Bolts

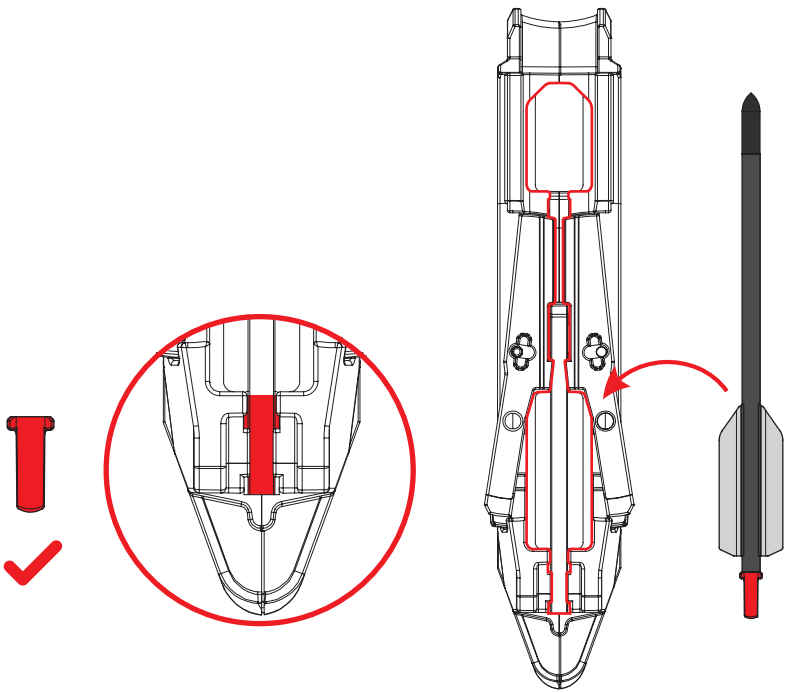
Note the top and bottom of the Magazine. Flip the magazine over to load the bolts from the bottom. Align a bolt' s nock in the positioning groove and press the bolt downward past the feed lips into the Magazine. Check that each bolt is aligned and stacks properly with the bolt' s vanes in the horizontal position. Don't overload the magazine past seven bolts. For the best performance, always keep the bottom of the Magazine clean and smooth.



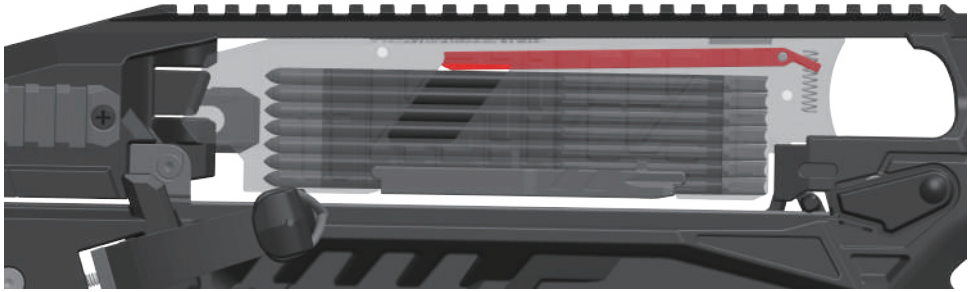
Bottom view



Top view



Magazine when bolts are correct loaded.



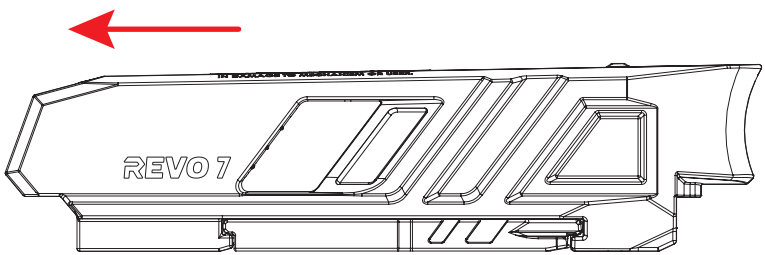
Insert the Magazine

Note the Front and Rear orientation of the Magazine in the diagram, with the Revo 7 logo at the front.

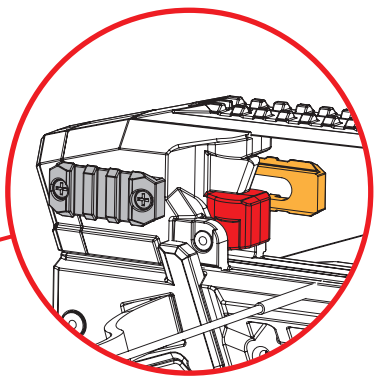
STEP 1 : Load the crossbow by inserting the front of the Magazine under the Frame and lightly pushing it forward into the front stopper (as shown in the diagram).

STEP 2 : Slide the Magazine under the Frame.

STEP 3 : The rear of the magazine will lock into place as it is pushed backwards into position.



Side view

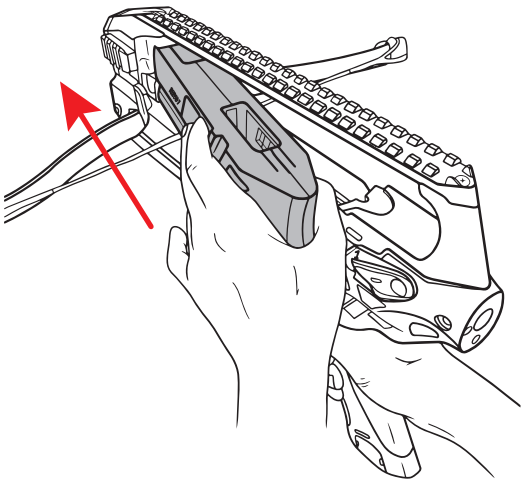


Orange - Long picatinny rail
Red - Front stopper (push)
Gray - Short picatinny rail

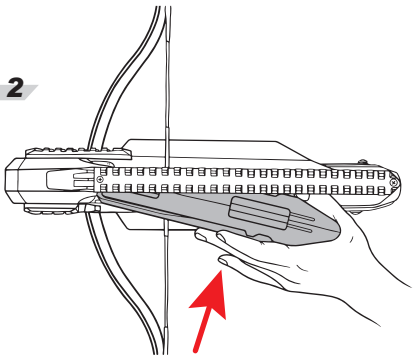
Note : When putting a Magazine into your crossbow, ensure that the Magazine is CORRECTLY seated with the rear of the Magazine fully pushed back in to its slot.

TIP : The Magazine can be inserted from either side, however the forward Picatinny Rails can be adjusted to suit your preference.

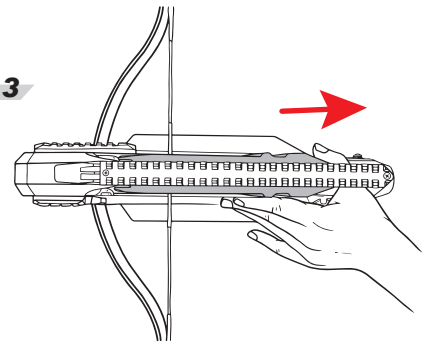
STEP 1

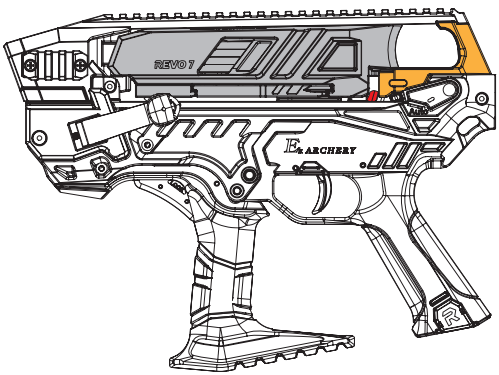


STEP 2

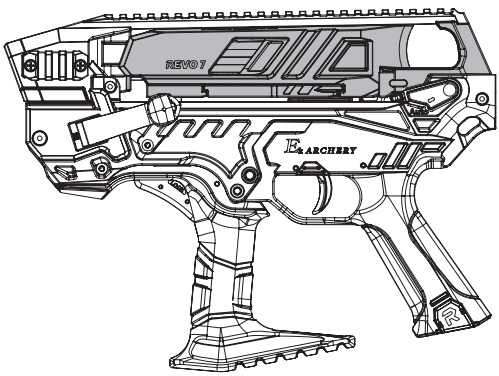


STEP 3

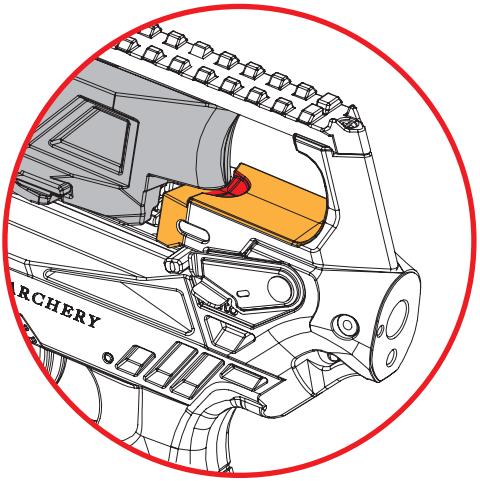




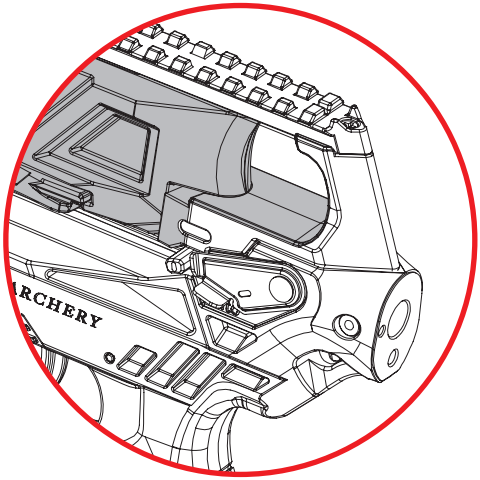
INCORRECT



CORRECT

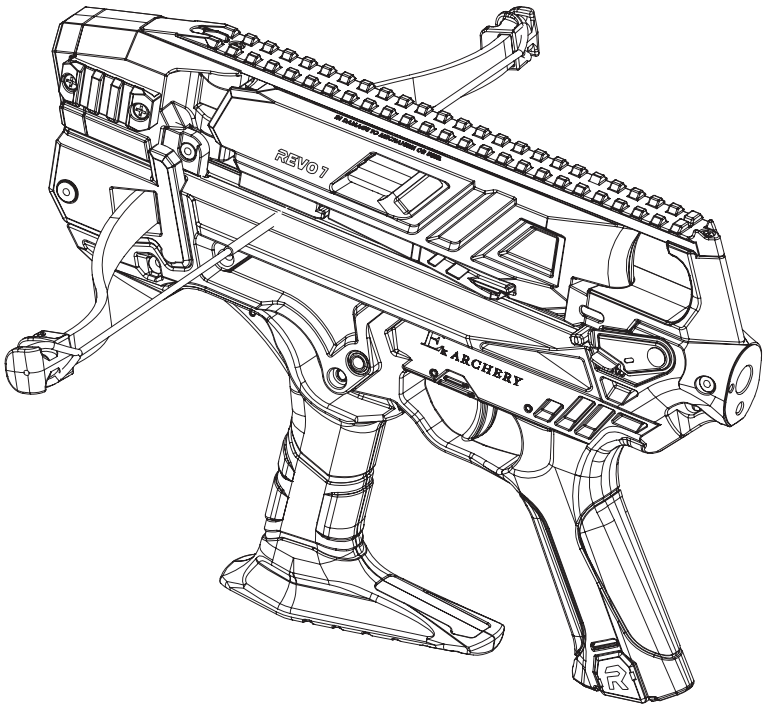


INCORRECT



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Assembly completed.



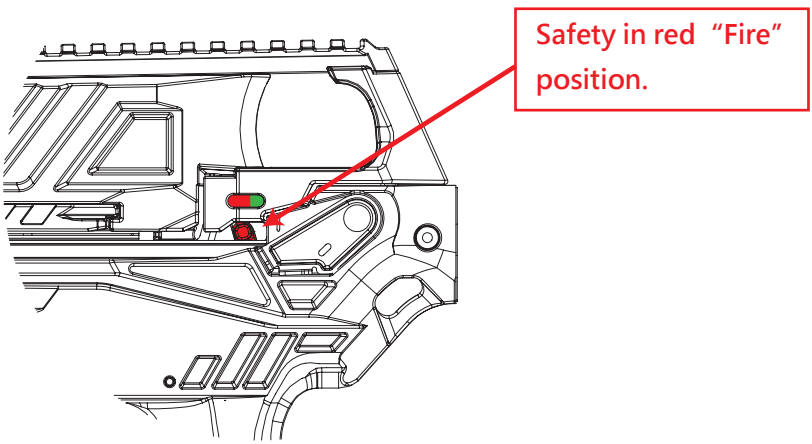
Operation Guide

Before using your Revo 7 Crossbow for first the time, thoroughly wax the string. To reduce fraying and wear, applying a small amount of wax every 15 shots is recommended.

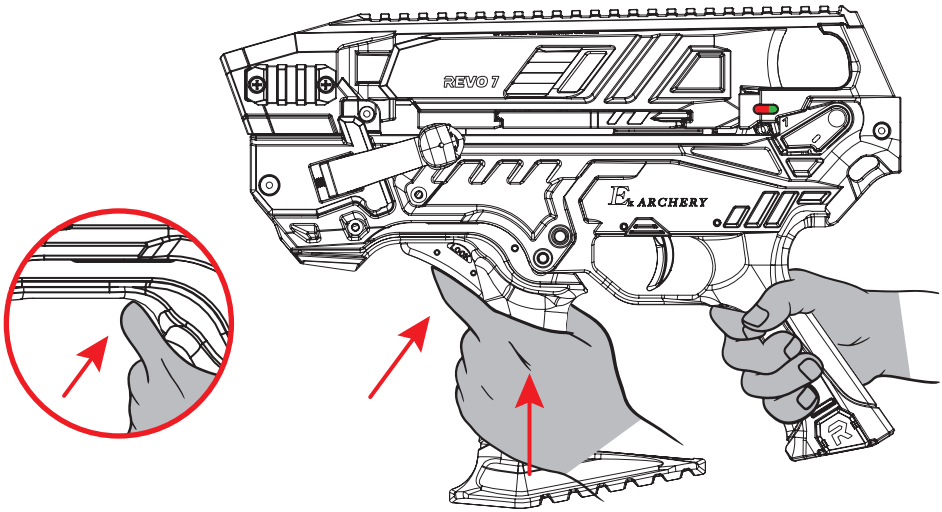
Important Note:

1. Familiarize yourself with the cocking mechanism before loading seven bolts into the magazine.
2. Revo 7 crossbows can only be loaded with specific bolts designed and manufactured by EK-Archery.
3. Never attempt to modify any part of the crossbow or overload the magazine. Damage caused by improper loading will void your warranty immediately.
4. Always inspect bolts for damage or irregular wear. Do not use bolts that have damaged shafts, nocks or vanes.
5. Never attempt to manually disengage the built-in anti-dry fire lever and only load the magazine with EK Revo 7 bolts.

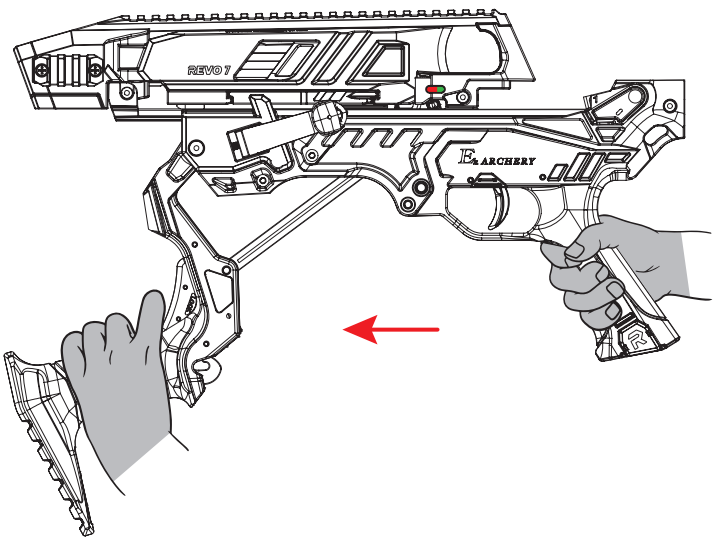
1 Now you are ready to cycle your Revo 7 and start shooting. Slide the Safety forward into the Fire (red) position before cocking your crossbow.



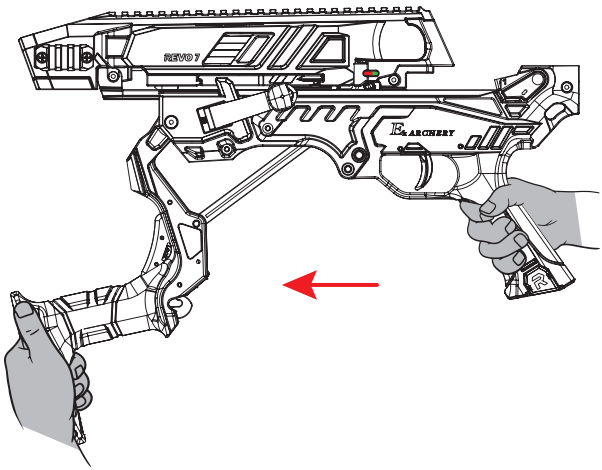
2 Hold the Cocking Handle with one hand while holding the Pistol Grip with the other hand. Use your index finger to press the Cocking Latch while pushing the Cocking Handle upwards to unlock it.



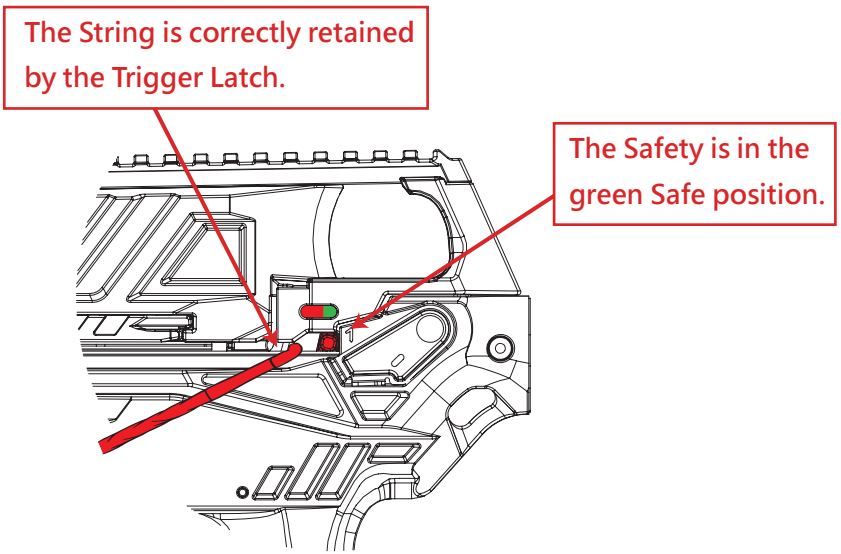
3 Continue pushing the Cocking Handle forward until it is fully extended. Listen for an audible “CLICK”, indicating the bowstring is locked in.



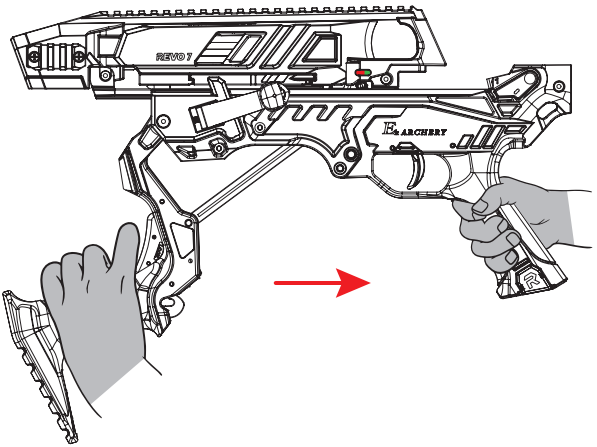
NOTE : If you initially don't have enough strength to cycle the crossbow, you can get a bit more cocking leverage by grasping the end of the cocking handle.



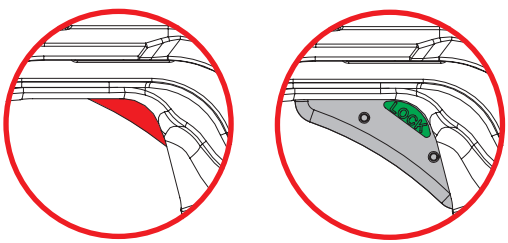
4 It is important to note that the cocking of the crossbow must result in the Safety being engaged in the Safe position and a bolt lying flat on the Flight Track. Improper cocking will result in a malfunction.

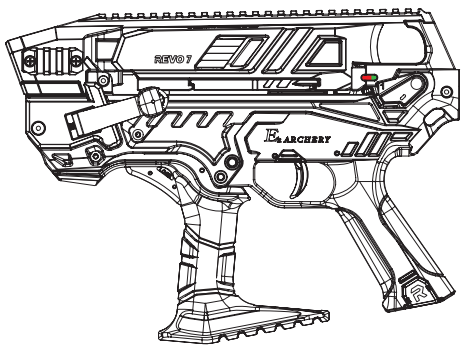


5 To complete cocking, firmly and evenly pull the Cocking Lever straight back to relock it back into place with the Cocking Latch giving an audible " CLICK" as the mechanism locks in place. (If the Cocking Latch will not relock, do not attempt to cock or fire the crossbow.)



6 After cocking, visually confirm that Cocking Latch is indicating a CORRECT lock.





NOTE:

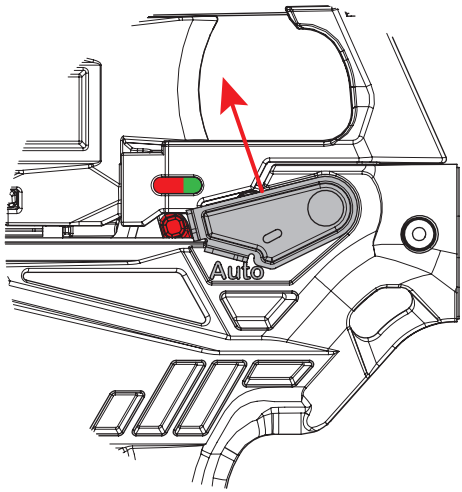
When cocking the crossbow you will meet resistance as the string draws the limbs back into the firing position. Learn to use the appropriate amount of power to cock the crossbow.

WARNING : ALWAYS CYCLE THE COCKING HANDLE COMPLETELY! MAKE SURE THE COCKING HANDLE IS SOLIDLY LOCKED INTO THE MAIN BODY BEFORE SHOOTING.

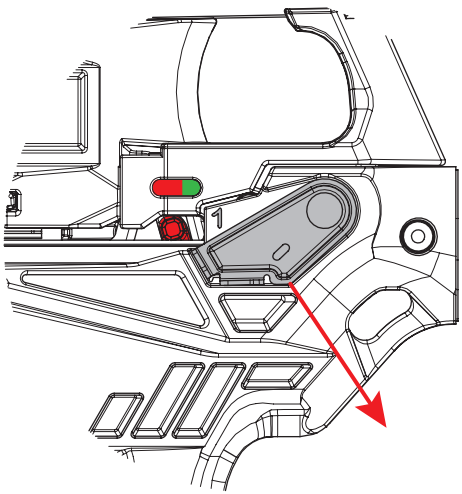
Fire Control System

The FCS Fire Control System selector switch allows for shooting mode selection, defaulting to single-shot mode. Pushing the selector upwards enables a continuous firing mode (AUTO)

In continuous mode (AUTO), after cocking, the next shot can be fired without disengaging a safety. Caution : Selecting the continuous firing (AUTO) mode indicates that the user is operating the crossbow without an active safety.



In single-shot mode, slide the Safety forward from the Safe Position (Green) into the Fire Position (Red). when you are ready to shoot. Caution : The crossbow can not be cocked unless the Safety is in the FIRE position



FOR BEGINNING SHOOTERS : RESPECT THE POWER OF A COCKED CROSSBOW THE SAME AS YOU WOULD A FIREARM

LEARN THIS IMPORTANT TECHNIQUE TO MASTER YOUR REVO 7! Decocking the REVO 7 Crossbow

In the event of a jam, misfeed or the need to safely decock the crossbow the REVO 7 has a clever solution. Follow these steps while keeping this in mind :

- If the crossbow is cocked and under tension, then decocking the bow requires the energy stored in the limbs to be safely released.
- When decocking the crossbow remember to your keep fingers out of the bow string' s path.
- Remember that there is a bolt in the crossbow, ready to fly!
- Use correct trigger discipline and keep the crossbow pointed downrange or in safe direction for the following process.
- If for any reason during the decocking process, the mechanism is unwilling to smoothly cycle, don't force it. Thoroughly inspect the crossbow mechanism for obstructions and clear them carefully. When necessary, consult with an Ek Archery tech.
- After decocking the REVO 7 for any reason we recommend that the magazine be removed and inspected.

RELEASING TENSION ON THE LIMBS

The REVO 7 is decocked by firmly bracing the crossbow with one hand on the pistol grip and using the other hand to restraining the Cocking Arm as it rotates forward and the energy from bow string and the limbs is relieved.

STEP 1 : When ready, depress the Cocking Latch with your index finger and slowly allow the Cocking Arm to start swinging forward; controlled by the strength of your arm. Don't let the Cocking Arm jerk out of your hand! Keep it under control for your safety and to protect your crossbow.
(Tip: For added safety and control, the crossbow can be decocked with the base of the Cocking Arm just slightly above the floor/ground.)

STEP 2 : Now you can push the Trigger Safety forward into the "FIRE" position.

UNHOOKING THE STRING AND RESETTING THE TRIGGER

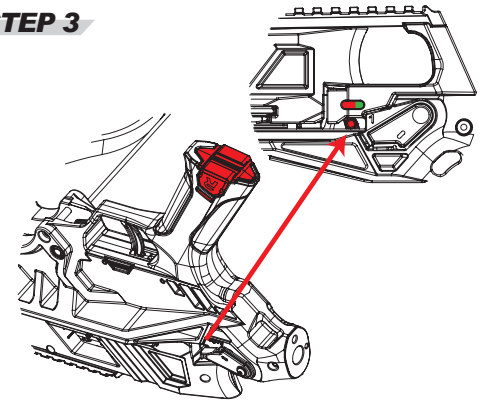
The bowstring needs to be unlatched from the trigger mechanism.

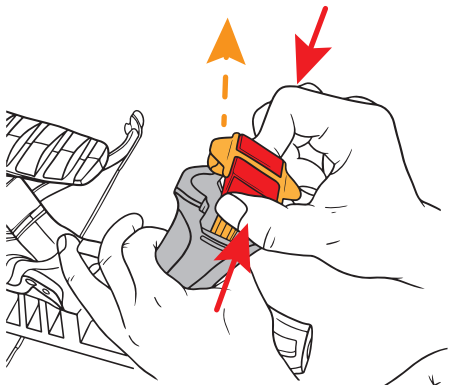
STEP 3 : Remove the Decocking Tool hidden in the pistol grip of the REVO 7 by squeezing both sides of the tool and pulling it out.

STEP 4 : Flip the crossbow upside down. The Cocking Handle is all the way forward and you can see down inside of the crossbow' s mechanism where the action is! Holding the Decocking Tool, as illustrated, find and depress the internal latch to release the bowstring from the cocking mechanism; while simultaneously rocking the Cocking Handle backwards a bit. When successful, you should hear a distinct clicking sound and the Cocking Handle should fall back into place easily. In this process, the unfired bolt should slide out of the front of your REVO 7. Any resistance to the Cocking Handle indicates that the bowstring has not been unlatched.

NOW PUT THE DECOCKING TOOL BACK INTO THE PISTOL GRIP!
After a bit of practice, decocking the REVO 7 will become easy and swift!

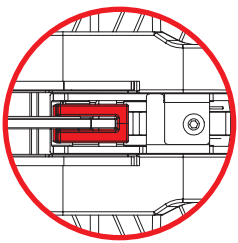
STEP 3

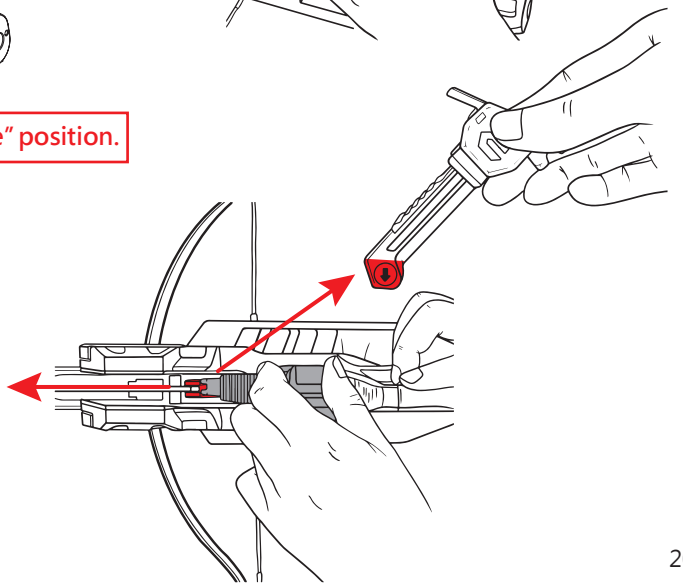




Safety in red "Fire" position.

STEP 4

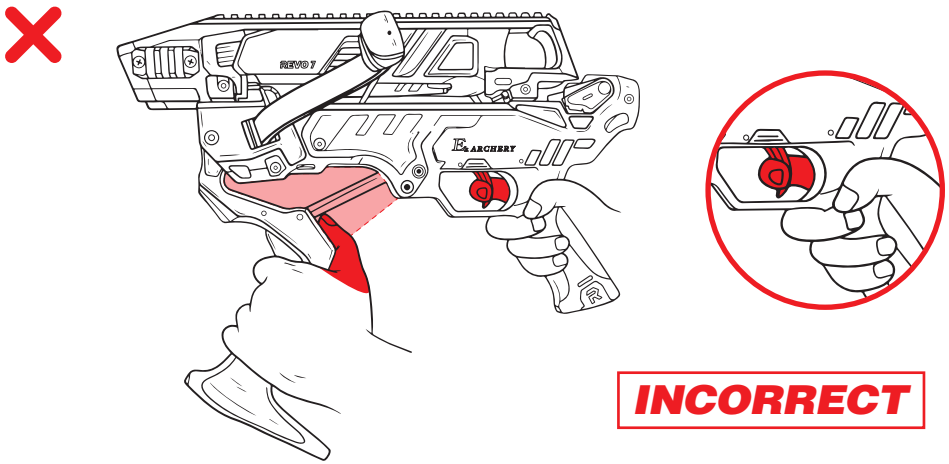




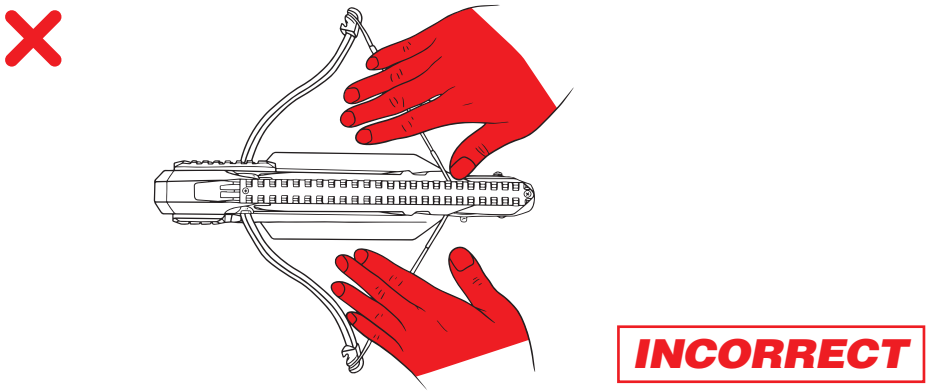
WARNING :

To avoid any injuries to yourself or others, or damage to your crossbow, the following safety instructions should be followed at all times. Examine the following images of common incorrect crossbow operations.

During the cocking process, do not place your fingers within the triangular danger area of the unlocked front Cocking Handle. Maintain trigger discipline.

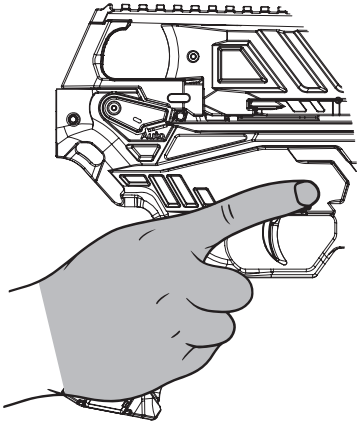


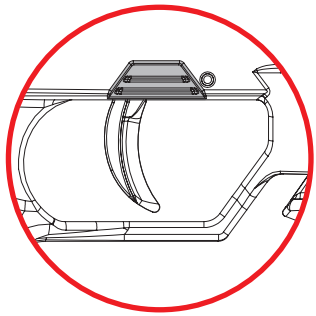
Incorrect hand (fingers) position during Shooting :



Never allow your fingers or thumb to move above the flight track or into the bowstring' s release path. Keep your hand and fingers in a safe position every time you cock, operate and shoot the crossbow. Placing your hands, fingers, thumbs or other body parts in the path of the bowstring will cause serious injury.

Trigger Discipline is keeping the Index finger out of the trigger guard until it is time to take the shot.

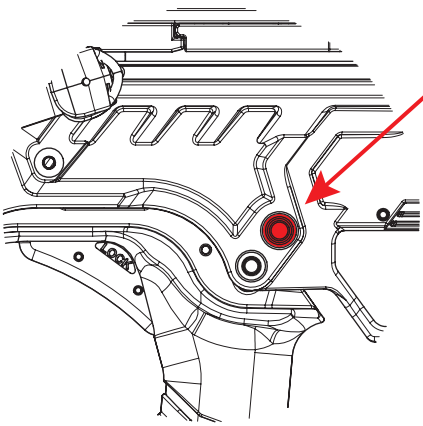




Lock your Revo 7 Crossbow

To lock your Revo 7 Crossbow with a cable lock to stop unauthorized people from operating your crossbow.

Common TSA cable locks can be used with the corresponding safety lock hole on the main body above the Cocking Handle.



Size (approximate): 4in x 1.25in x .5in.
Lock Weight: 2.8oz
Cable (included): 4' L x 3mm(diameter)



Safety Instructions

WARNING LABELS:

- Always keep hand, thumb and fingers completely below the bowstring and flight track. Failure to do so may cause serious injury. Completely read the manual before operation.
- Improper operation, including dryfiring, may cause serious injury to the bow, the shooter and/or bystanders. Periodically inspect bowstring and limbs for wear or damage.
- To operate this device safely, always cycle the cocking arm completely! Make sure the cocking arm is solidly locked into the grip before shooting.
- Use only the 6.5” EK REVO 7 bolts that are specifically designed for this crossbow. Use of incorrect bolts may result in damage to the mechanism and user.
- Inspect bolts for damage or irregular wear. Do not use bolts that have damaged shafts, nocks or vanes.
- Do not attempt to cock the crossbow without the magazine nor should you attempt to shoot the crossbow without bolts.
- Always make sure the bolts, screws and pins are securely tightened and in place before using.
- Never allow your fingers or thumb to move above the flight deck and keep them out of the path of the string while holding the fore-grip.
- Never dry-fire the crossbow. Shooting without a crossbow bolt is damaging to the crossbow. Dry firing will void the warranty and can result in damage to the limbs and string and possibly causing personal injury.
- Always inspect the crossbow equipment for worn, loose, damaged or missing parts. Replace any if missing, fraying or damaged parts are observed or suspected.
- Always point your crossbow in a safe direction and keep the crossbow out of the reach of children.
- Do not remove or deactivate your crossbow’s safety features or accessories, potentially rendering the crossbow dangerous to you or others.

- Always keep all body parts clear of the bowstring's path during use.
- Always make sure the crossbow bolt is fully seated in the furthest back position to reduce possibility of dry fire.
- Replace strings if visible signs of fraying or broken strands are evident.
- Do not transport or store your crossbow while it is cocked or loaded.
- Do not attempt to use your crossbow under the influence of alcohol, prescription or non-prescription drugs.
- Always use suitable crossbow bolts. Crossbow Bolts of improper stiffness or weight may damage the limb set voiding the warranty and possibly causing personal injury.
- When practice shooting, wear eye protection and be sure your range is located in a spacious area free of buildings and your target is designed for crossbow use.

Maintenance And Care

1. Apply lubewax to the string and cables liberally. Do not over lubricate the center section of the crossbow string as this may cause a buildup of lubricant in the trigger mechanism. Keep the flight track and the string serving waxed to reduce friction. Always check and replace frayed or worn strings and cables.

2. Periodically put a few drops of high quality machine oil in the trigger mechanism.

3. Always store your crossbow in a cool, dry place. Do not expose your crossbow to excessive heat such as leaving it in an automobile trunk on a hot day or storing it next to a furnace vent.

4. Before each shooting session, examine all bolts (screws), pins and fasteners. Tighten all bolts (screws) as needed.

5. Be sure to have your crossbow examined annually by a qualified crossbow dealer.

6. Do not leave your crossbow cocked for extended periods of time or overnight.

Warranty Information

Subject to the terms, conditions and limitations outlined below, we guarantee 1 year warranty service to the original purchaser for our crossbows against defects in materials and workmanship that adversely affect the crossbow's operation. However, crossbow strings, cosmetic appearance and component parts and those which are subject to a variety of conditions in normal use and considered to be consumable parts will be excluded.

This limited warranty will be void if the following occur :

- Damage is caused by dry-firing or by using underweight arrows/bolts
- The instructions in the owner's manual are not followed
- The crossbow or any of its parts or accessories are altered from their original state
- The crossbow has not been maintained properly
- Failure or damage was caused by improper calibration or by abnormal use.

Please carefully package and return the product, transportation charges pre-paid to your dealers or distributors. All accessory items must be removed from the crossbow prior to shipping. If after examining a returned product, the dealer determines that the product is not subject to this limited warranty, product repairs can be provided at then-current repair rates informed by the dealer.

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