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VULCAN 415

Instructions and Safety Manual



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

Retain instructions and safety manual for future reference.

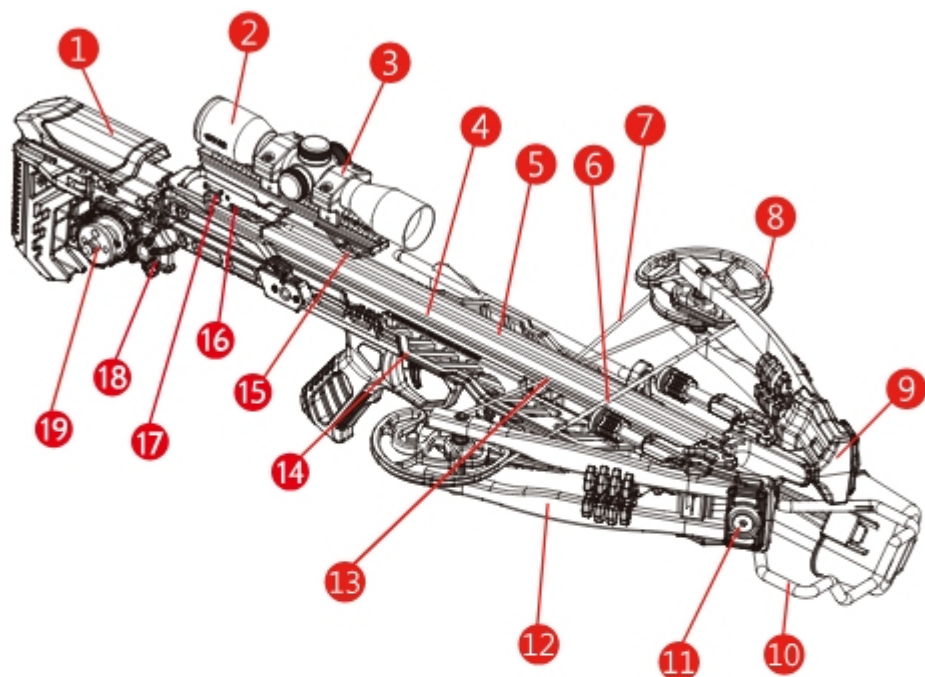
VULCAN 415 CROSSBOW INSTRUCTION MANUAL

Thank you for the purchase of your new VULCAN 415 crossbow! This crossbow has been engineered to be high speed and lightweight. It has been designed, manufactured and tested for safety and performance when used in accordance with the instructional materials provided. Before you begin the assembly of your crossbow, please check and make sure the following components and accessories are fully included in the box.

- 1. Crossbow Body (assembled back end)**
- 2. Assembled Riser (assembled front end)**
- 3. Quick Detach Quiver**
- 4. Quiver Mounting Hardware Pack / Lubewax**
- 5. Assembly Hardware Pack**
- 6. 3 x 20" Carbon bolts / 100 grain practice points**
- 7. 4 x 32 Scope**
- 8. Foot Stirrup**
- 9. Shoulder Sling (optional)**

If any of the components/accessories are missing, please contact your local dealers for assistance.

Crossbow Diagrams



- | | |
|------------------|---------------------------|
| 1. Stock | 11. Limb Bolt |
| 2. Scope | 12. Limbs |
| 3. Scope Mount | 13. Cable Slide |
| 4. Rail / Barrel | 14. Flight Deck |
| 5. Flight Groove | 15. Bolt Retention Spring |
| 6. String | 16. String Latch |
| 7. Cable | 17. Safety |
| 8. Cam | 18. Crank Handle |
| 9. Riser | 19. Cranking Device |
| 10. Foot Stirrup | |

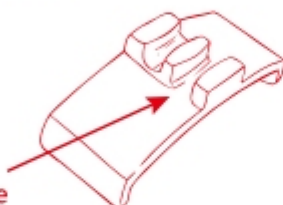
Assembly Guide

1

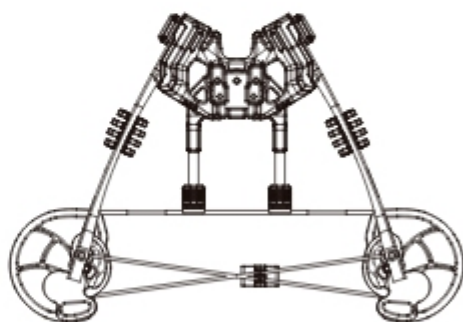
INSTALL CABLE SLIDE

- Place the Front End face-down on a flat surface. (Note the five screw holes in the Riser)
- Examine the plastic Cable Slide provided in the Assembly Hardware Pack. The Cable Slide has two grooves to protect the Cables during operation. Note that one of the grooves is deeper than the other.
- From underneath, snap the lower Cable into the deeper groove of the Cable Slide and the upper Cable into the other groove. Move the Cable Slide towards the cross section of the cables; making sure the upper Cable and lower Cable remain firmly snapped into the grooves.

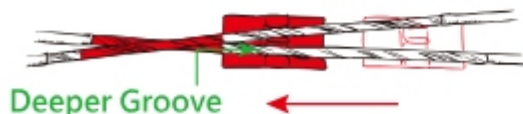
Cable Slide
Deeper Groove



Back View



Assembly completed

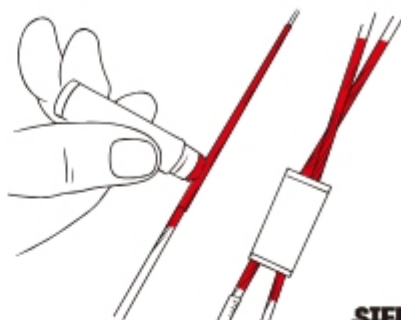


NOTE : TO AVOID SERIOUS INJURY TO YOURSELF OR YOUR CROSSBOW, DO NOT OPERATE THE VULCAN WITHOUT THE CABLE SLIDE. THIS COMPONENT PROTECTS THE CABLES FROM BREAKAGE.

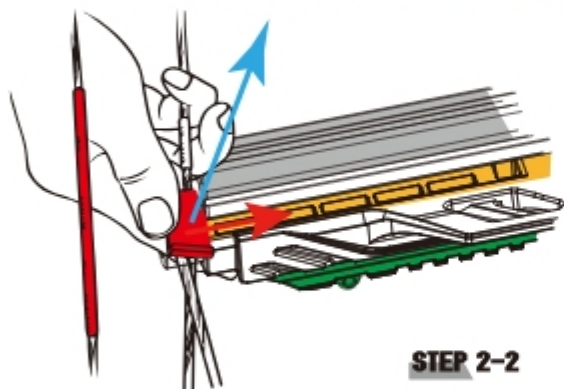
2

CONNECT FRONT AND BACK END

- Evenly coat the String and Cables with the Lubewax. Prepare Front End. (2-1)
- Holding the Cable Slide in place, flip the Front End, right side up. Slip the Cable Slide into the channel beneath Rail. (2-2)
- Pull the Front End and Back End together. If necessary, wiggle the Front End to firmly seat it in place. (2-3)

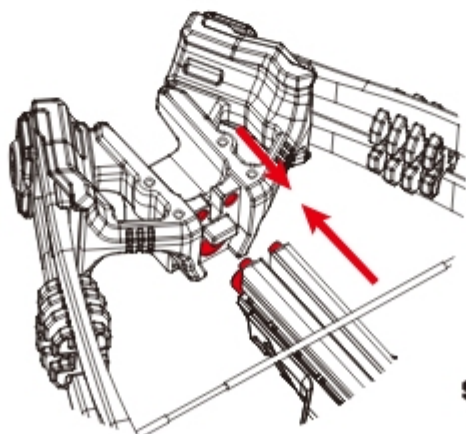
**STEP 2-1**

The smooth side of Cable Slide

**STEP 2-2**

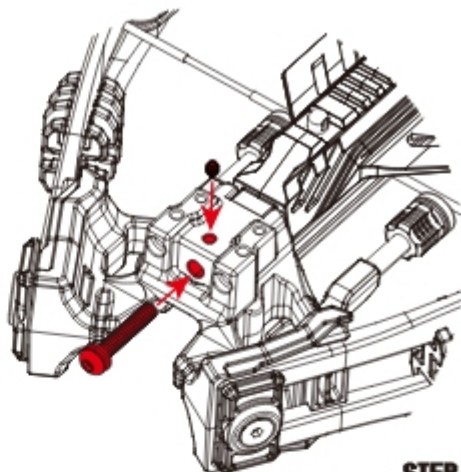
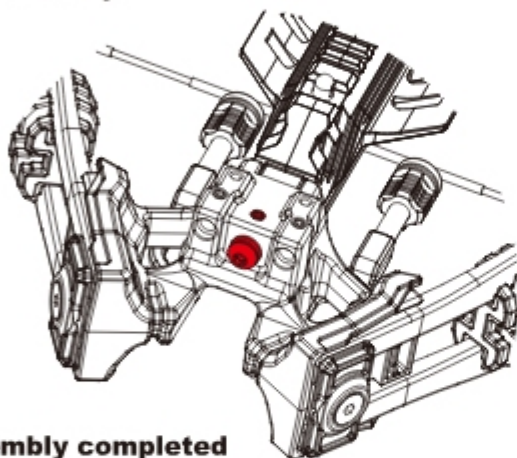
Gray - Rail / Barrel (upward)
 Orange - Space
 Green- Picatinny (downward)

The smooth side up of the **Cable Slide** needs to be inserted underneath the Rail/Barrel.

**STEP 2-3**

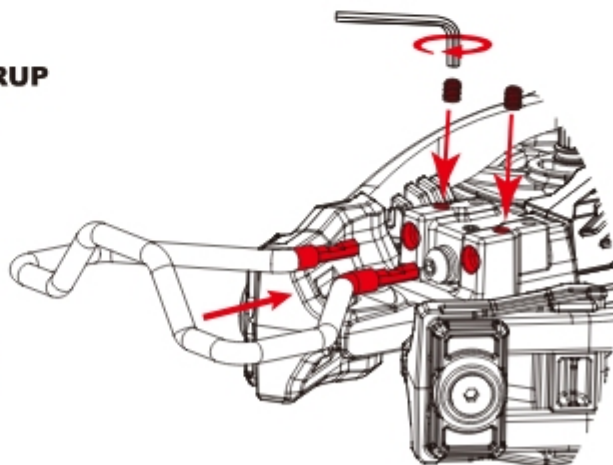
3**BOLT FRONT END**

- Flip your Vulcan 415 over again to access the bottom of the Riser.
- Hand start the Front End Bolt through the Riser into the Back End. Finish tightening it down snugly with the provided hex wrench. The two components should now be tightly and solidly mated.
- Finish by threading and tightening down the Locking Screw to keep the Front End Bolt from rotating.

**STEP 3****Assembly completed****Front End Bolt and Locking Screw****4****INSTALL FOOT STIRRUP**

Fit the Foot Stirrup into the Riser and fix into place using the provided screws.

NOTE : Before shooting sessions, and during periodic maintenance, examine all assembly bolts to make sure they are properly tightened down.



Operation Guide

WARNING

Do not cock a crossbow by hand to prevent potential injury to the back, shoulders, or fingers. Always use a rope cocking device or the included crank for cocking. Do not cock or use the crossbow when feeling unwell, nauseous, dizzy, or if you have a pre-existing medical condition that could cause problems during cocking or operation. When cocking the crossbow, use proper lifting techniques to avoid back injury (lift using arms and shoulders).

USING THE INTERGRADED CRANKING DEVICE

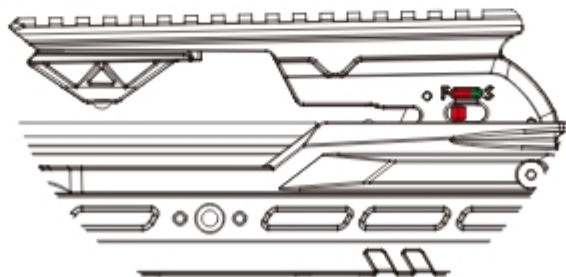
IMPORTANT: ALWAYS USE THE CRANKING DEVICE TO COCK YOUR CROSSBOW.

To prevent potential injury, never attempt to cock your crossbow by hand.

Maintain the strings, cables and flight deck with a regular application of lubewax to keep the crossbow running safely and smoothly.

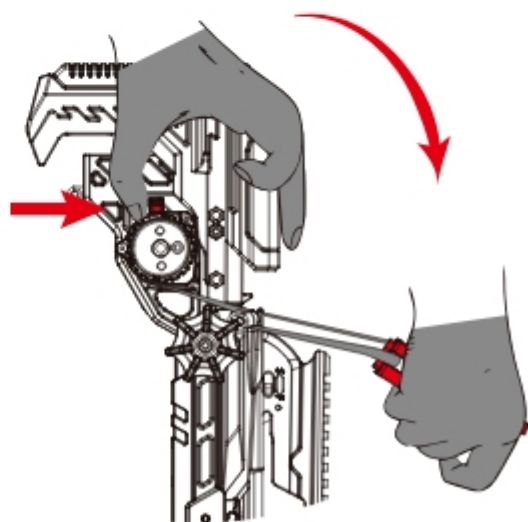
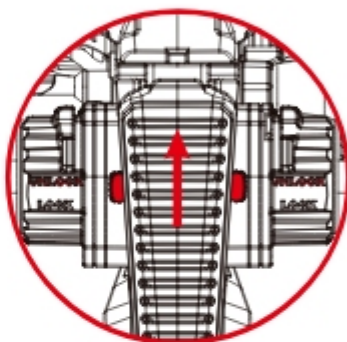
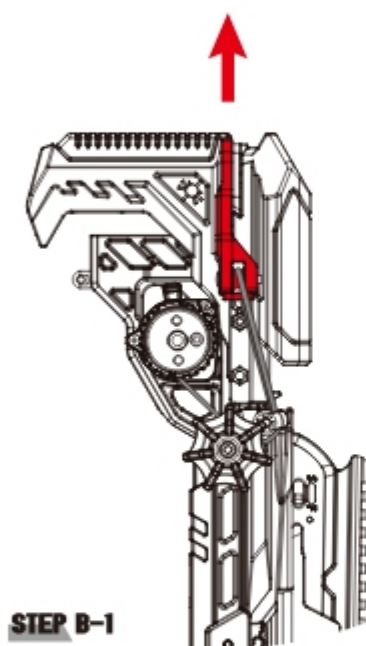
A

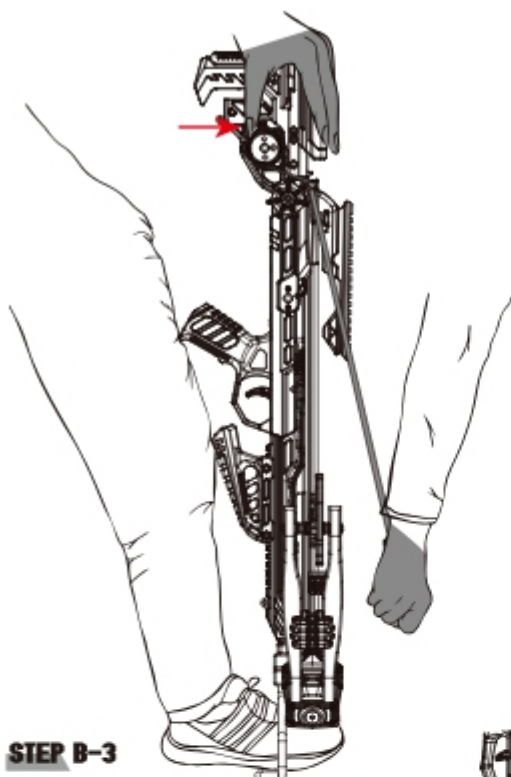
Always put the safety into the "FIRE" position before cocking your crossbow; otherwise the string latch will not engage the bowstring. After setting the safety in the "FIRE" position, place your foot into the stirrup and hold the crossbow against your leg.



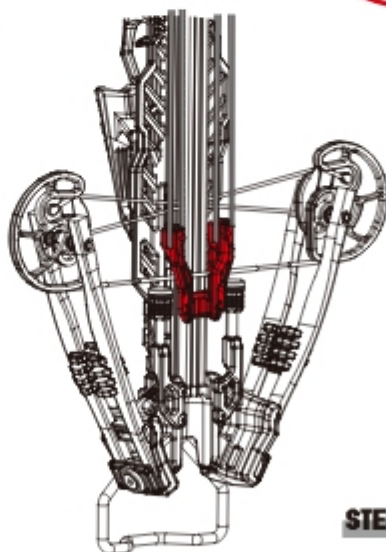
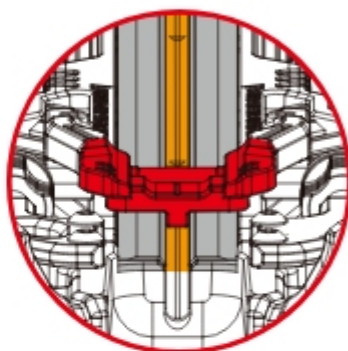
B

Locate the Release Lever on the Cranking Device. Push up and hold it in the "Unlock" position while releasing the retractable Cocking Sled from its storage compartment. (Step B-1) While holding the Release Lever, evenly pull the Sled and its ropes over the Buttstock and Scope downwards to the String. (Don't allow the ropes to get snagged on the Scope.) (Step B-2~3) Hook the Cocking Sled over the String, making sure it sits firmly against the Flight Deck. Check again that the ropes are running evenly on both sides. (Step B-4)

**STEP B-2**



STEP B-3



STEP B-4

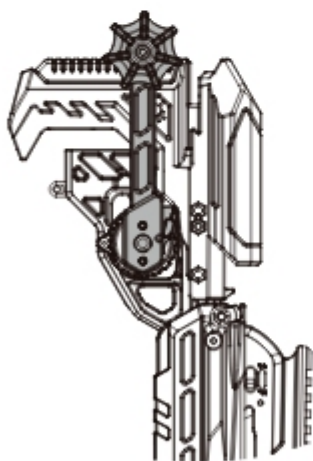
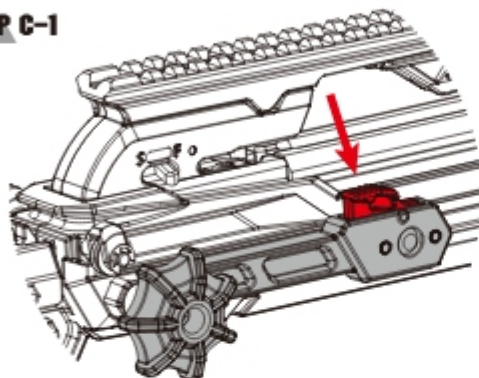
CAUTION !

If the Cocking Sled is not securely attached to the String or improperly centered and misaligned, it may result in the sudden release of the bowstring or a failure to cock the bow.

C

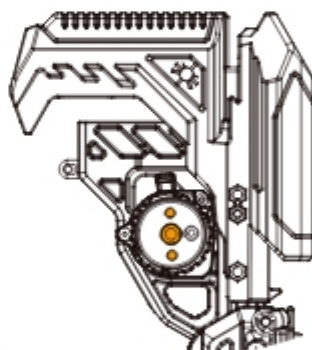
Once the Cocking Sled is properly set, carefully reduce the tension on the Release Lever to take up the slack. Take the Crank Handle from the side of the crossbow. (Step C-1) Securely attach the Crank Handle to the Cranking Device. (Step C-2) (Ensure that it is firmly seated by gently moving it from side to side to confirm it is snugly fit.)

STEP C-1



Assembly completed

STEP C-2



Back



Side

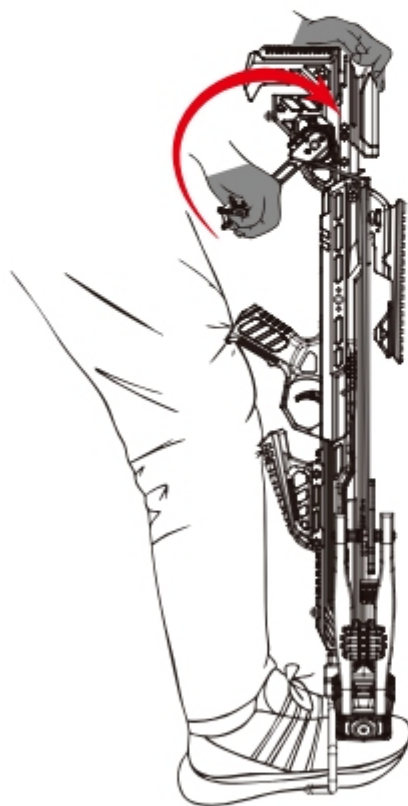
D

To begin the cocking process, evenly turn the Cranking Handle in a clockwise direction. (Step D-1) Keep turning the Cranking Handle until the crossbow is cocked with an audible "CLICK" sound. Once cocked, the trigger latch will have captured the String, and the safety will automatically shift from FIRE to SAFE. (Step D-2)

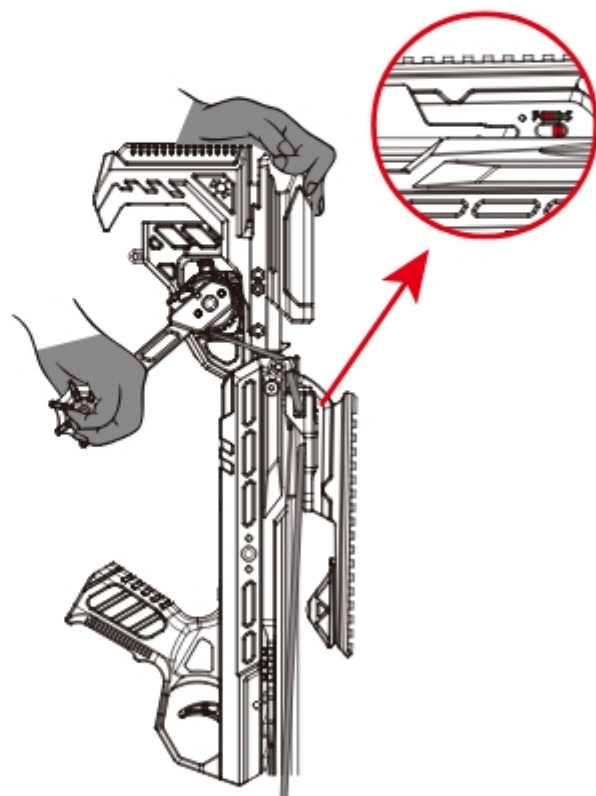
CAUTION !

Never touch the Release Lever during the cocking process!

WARNING : Don't abuse your Cranking Device by overcranking it.



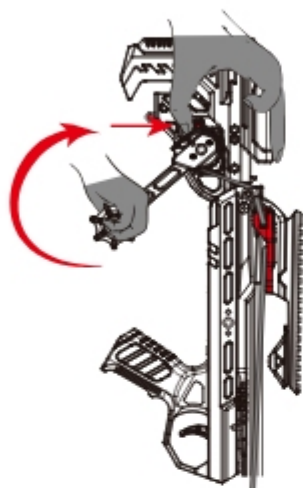
STEP D-1



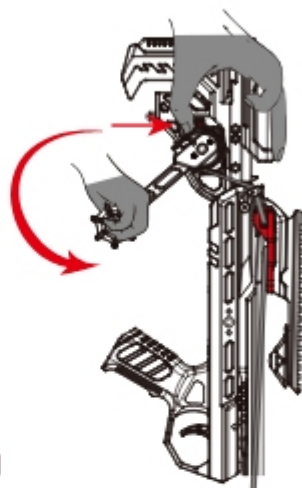
STEP D-2

E

To remove the Cocking Sled, press and hold the Release Lever and turn the Cranking Handle counterclockwise 2.5 rotations to release the tension on the Sled. (Step E-1~2)



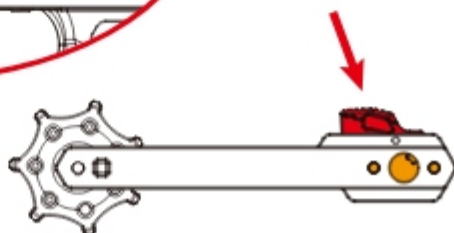
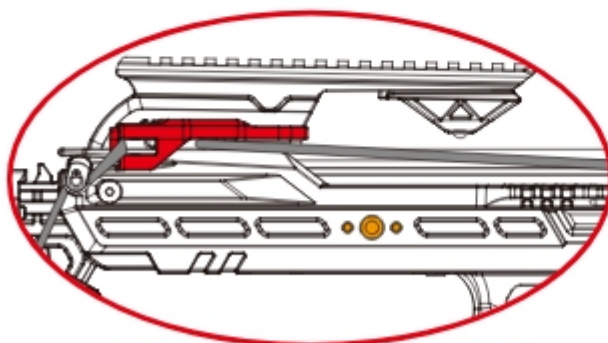
STEP E-1



STEP E-2

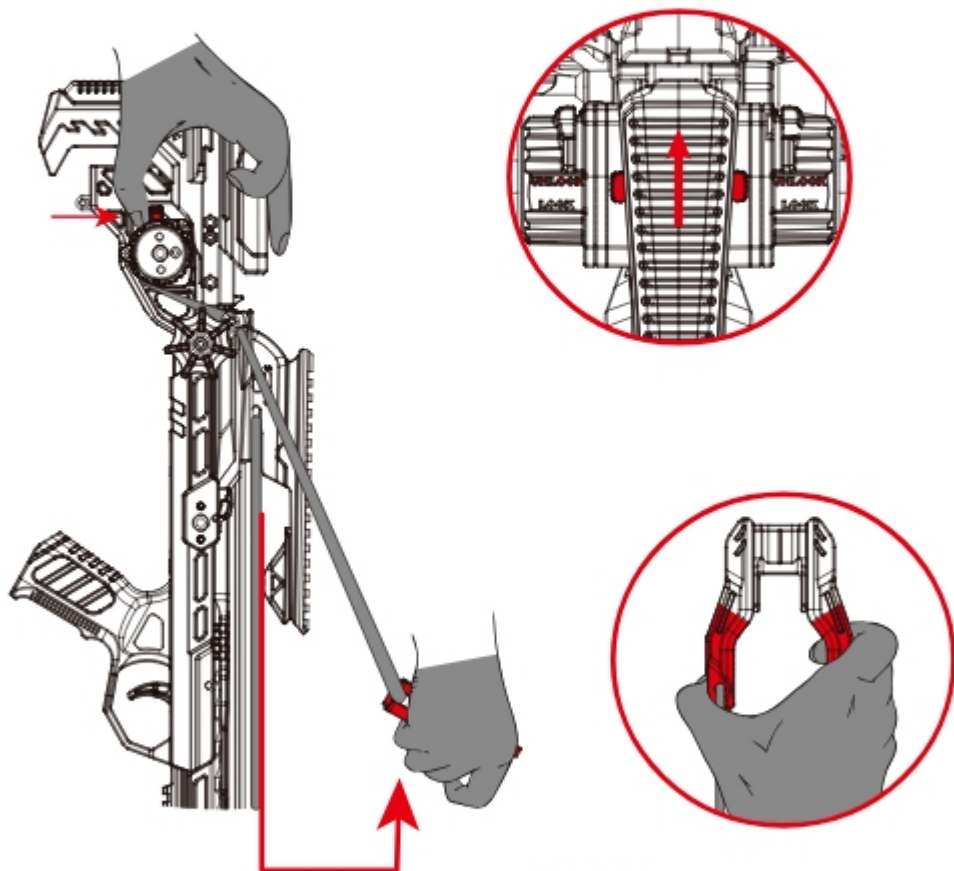
F

Detach the Crank Handle and return it to its designated storage recess on your crossbow.



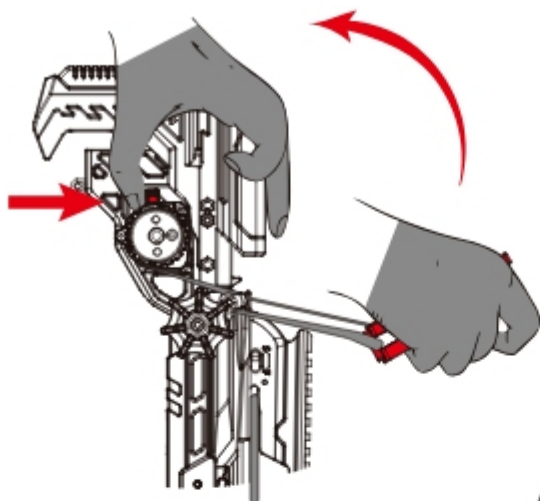
G

While holding the Release Lever in the unlocked position, use your free hand to push the Sled forward with your thumb. (Keep your fingers out of the path of the string!) Guide the Sled forwards, then remove it from Flight Deck and pull it back over the Scope. Use the Release Lever to allow the rope to slowly spool back up into the Cranking Device. (Step G-1~2) Finally, return the Cocking Sled to its storage position. (Step G-3) Your Vulcan 415 is now fully cocked and ready for loading.

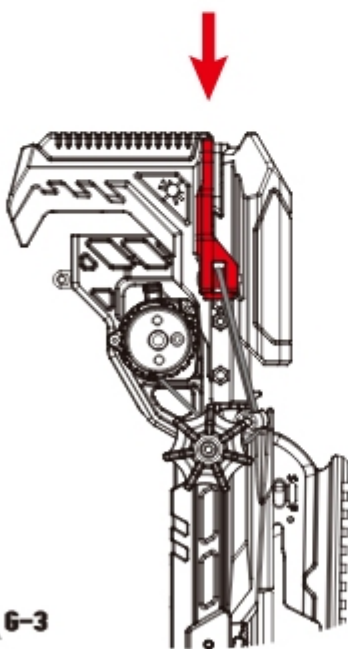


STEP G-1

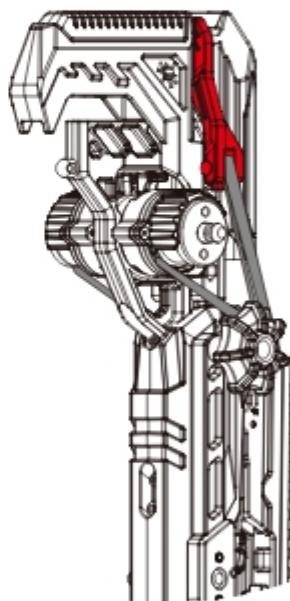
Caution!
When handling the sled, place your fingers on the outer left and right sides to avoid accidents.



STEP 6-2



STEP 6-3



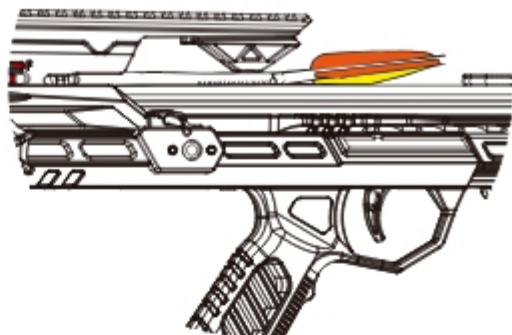
Assembly completed

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LOADING THE BOLT

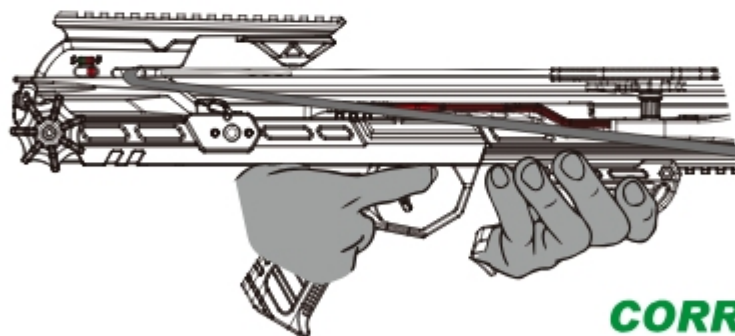
Maintaining proper trigger hygiene, place the Bolt on the crossbow's Rail ; the odd-colored vane downward in the Flight Groove. Slide the Bolt all the way back under the Retention Spring and fully against the String.

Your VULCAN 415 is now cocked and loaded. When you are ready to aim and shoot, move the Safety to the "FIRE" position.

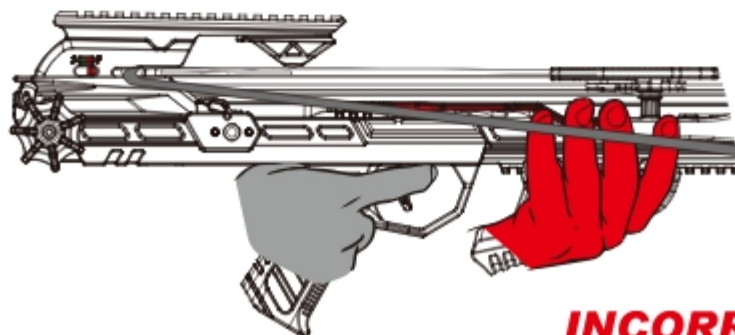


KEEPING YOUR FINGERS SAFE

For those who are more familiar with handling a rifle or shotgun, it is necessary to maintain "foregrip hygiene" with a crossbow. It is critical to keep your hand and fingers well below the path of the crossbow's high-speed bowstring. Failure to do so will result in serious injury. This handling discipline is even more necessary in the field where shooting conditions are more complicated.



CORRECT



INCORRECT

Safety Instructions

- Always make sure the risers bolts / screws are securely tightened before using.
- Never allow your fingers or thumb to move above the barrel's flight deck and keep out of the path of cables and strings 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, string and cables possibly causing personal injury.
- Always inspect the crossbow equipment for worn, loose, damaged or missing parts. Replace if any 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 make sure the crossbow bolt is fully seated in the furthest back position to reduce possibility of dry fire.
- Replace strings and cables 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/arrows. Arrows/Bolts of improper stiffness or mass weight may damage the limb and cable assembly 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 build up 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, cams and axles.
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 and fasteners. Tighten all bolts as needed. CAUTION: Limb bolts are preset for proper balance and weight at the factory. Do not adjust limb bolts.
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, cables, cable slides, sleeve bushings, bearings, 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

