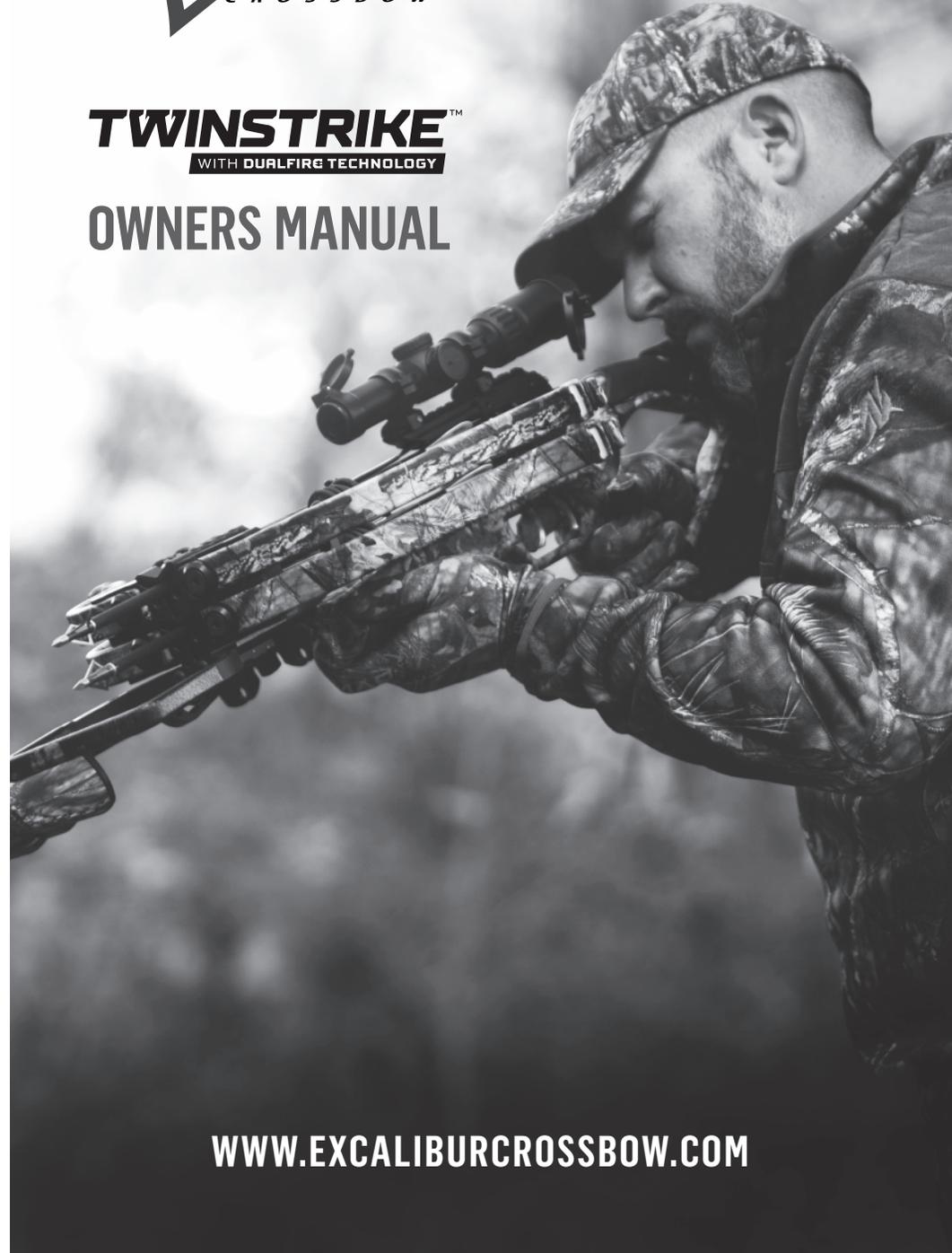




**TWINSTRIKE™**  
WITH DUALFIRE TECHNOLOGY

**OWNERS MANUAL**



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# TWINSTRIKE™

WITH DUALFIRE TECHNOLOGY



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This manual covers important information for operating and servicing your Excalibur crossbow; be sure to save it for future reference. If you have any questions or issues with your new crossbow, please contact us:

**EXCALIBUR CROSSBOW INC.**  
**CUSTOMER SERVICE DEPARTMENT**

**2335 SHIRLEY DRIVE**  
**KITCHENER, ONTARIO**  
**CANADA N2B 3X4**

**EMAIL:**  
**WARRANTY@EXCALIBURCROSSBOW.COM**

**WEBSITE:**  
**EXCALIBURCROSSBOW.COM**  
**PHONE: 1-888-689-1289**

Thank you for purchasing an Excalibur crossbow. We are confident that your crossbow will bring years of enjoyment and enhance your hunting experience. All crossbows are proudly crafted at our Kitchener facility in Ontario, Canada.

Before beginning to use and shoot your crossbow, please read this manual thoroughly and pay close attention to all the safety instructions, rules and information provided. Consult the assembly instructions included with your crossbow for help or additional information.

We have placed heavy emphasis on how to safely handle and shoot your new Excalibur crossbow. A crossbow is inherently safe unless handled in a careless or irresponsible manner. Failure to read this manual or not to follow proper operating procedures, could result in damage to your crossbow, injury or death.

## WARNING

**PLEASE READ AND FULLY UNDERSTAND ALL INSTRUCTIONS, RULES AND PROCEDURES OUTLINED IN THIS MANUAL BEFORE SHOOTING YOUR CROSSBOW. IT IS VITAL TO YOUR SAFETY AND THE SAFETY OF OTHERS THAT YOU ACCURATELY FOLLOW ALL INFORMATION, RULES AND INSTRUCTIONS CONTAINED IN THIS MANUAL**

## GENERAL INFORMATION AND SAFETY

**READ THESE INSTRUCTIONS CAREFULLY AND THOROUGHLY BEFORE HANDLING OR OPERATING YOUR CROSSBOW. YOU CAN ALSO WATCH INSTRUCTIONAL VIDEOS ONLINE AT EXCALIBURCROSSBOW.COM**

- Always remember to treat your crossbow with the same respect given to a firearm. It can be dangerous and deadly if mishandled.
- Always keep your crossbow pointed in a safe direction. Never point at people, property, or anything you do not intend to shoot. Always confirm and identify your target before shooting.
- Treat a cocked crossbow the same as a loaded firearm.
- Always place the trigger safety into the "SAFE" position before removing your foot from the stirrup.
- Never place any object or part of your body in the path of the crossbow's string when cocked, serious injury or death may occur.
- Before shooting, always make sure nothing is in the path of the crossbow's limbs.
- Never climb a tree stand with a cocked and loaded crossbow.
- Do not pull a cocked crossbow loaded with an arrow up into a tree stand with a rope. Never attempt to cock or uncock a crossbow in a tree stand while standing. Cock the crossbow on the ground and pull it up into the tree stand utilizing a pull rope.
- Do not place the safety into the "FIRE" position until you are ready to shoot.
- Do not attempt to modify the safety or trigger mechanism in any way. Doing so could be dangerous or deadly and will void your warranty.
- Always check your crossbow thoroughly for worn, loose, damaged or missing parts prior to shooting. This will help avoid malfunctions and possible injury or death to you or someone else

**Questions regarding crossbow operation? Call 1-888-689-1289**

## SHOOTING AND HANDLING

- While shouldering your crossbow make sure you can comfortably handle the weight of the crossbow and have it supported in a safe manner. If a person cannot adequately hold the crossbow and keep it steady, they should not be allowed to shoot it.
- Do not point a crossbow at anything you do not intend to shoot.
- Never place the safety into the "FIRE" position until you are ready to shoot.
- Always confirm and identify your target before shooting.
- Do not place your finger on the trigger until you are ready to shoot.
- Confirm your fingers and thumbs are not in the path of the string. The string will cause serious damage or injury to anything it encounters once it's released from the trigger.
- Do not dry fire your crossbow (shooting a crossbow without an arrow). Dry firing will damage your crossbow and void the warranty.
- When loading the arrow confirm it is placed all the way back under the hold down spring and positioned firmly against the string before firing. Not doing so could damage the arrow or crossbow and will adversely affect your shot and may cause personal injury or death.
- Do not shoot any projectile out of your crossbow other than crossbow arrows designed specifically for use with your crossbow. Minimum TOTAL arrow weight is 350 grains for all models.
- Before shooting, ensure the crossbow limbs will not strike a tree limb or other obstacle, or personal injury can occur.
- Never disengage the safety until you are ready to shoot, and the crossbow is pointed in a safe direction. Be sure to re-engage the safety if you do not shoot!

## TARGET SHOOTING

- Confirm the target you are shooting into is rated for crossbow use and capable of stopping a crossbow arrow. For shooting broadheads, make sure you use an adequately designed foam target.

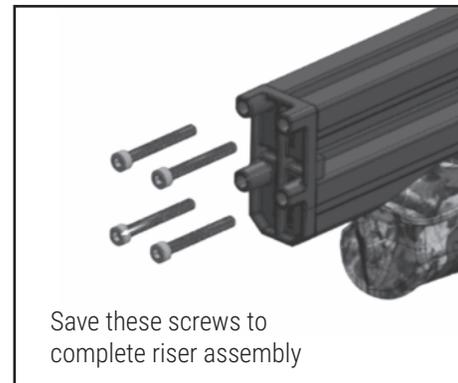
- Make sure you have an adequate structure behind your target in case an arrow happens to penetrate it.

**CAUTION: ENSURE FINGERS AND THUMB ARE BELOW THE CROSSBOW DECK BEFORE SHOOTING. MOST INJURIES OCCUR WHILE TARGET SHOOTING WITH THE CROSSBOW ON A REST. IT IS IMPERATIVE THAT YOU MAKE SURE NOTHING IS IN THE PATH OF THE CROSSBOW'S STRING BEFORE SHOOTING OR SERIOUS INJURY WILL OCCUR.**

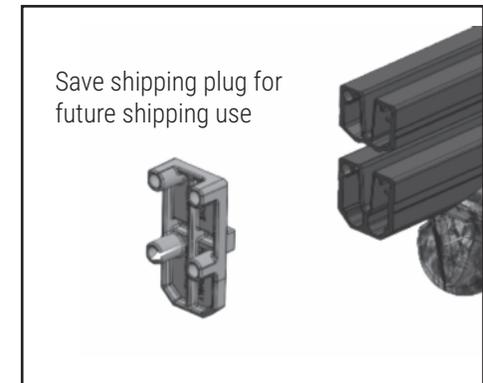
- Inspect your arrows regularly for signs of wear, splits, dents, or anything that might weaken them. Tremendous stress is placed on crossbow arrows as they are released, damaged arrows could break causing possible injury or death. DO NOT use arrows that show signs of wear, splits, dents, or any other irregularity.
- Replace the crossbow string as soon as it shows any sign of wear. Shooting your crossbow with a worn string could result in failure, possibly damaging your crossbow or result in personal injury or death to you or others.

## ASSEMBLY PROCEDURES

### ASSEMBLING THE RISER



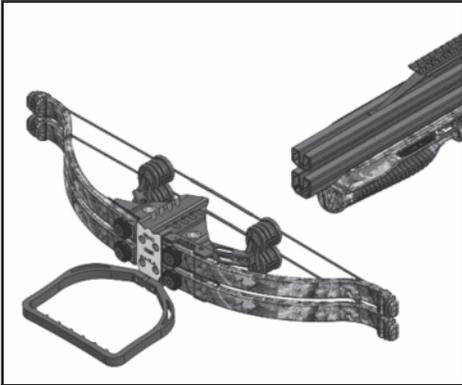
**1. Remove 4x screws from mainframe**



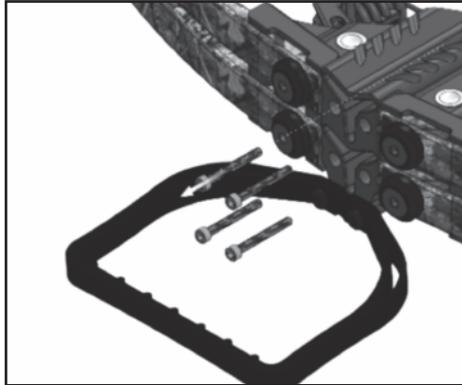
**2. Remove plastic shipping plug**

*(continued)*

**ASSEMBLING THE RISER**



**3. Install limb assembly to front of mainframe**



**4. Install previously removed screws and torque to 22 in-lb.**



**There should be no gap between riser and mainframe visible.**

**SCOPE MOUNTING INSTRUCTIONS**

1. Loosen the 4 scope ring screws, but do not remove from scope completely. This will allow the scope to move freely within the scope rings.
2. Loosen the scope ring cross bolt nuts. Place the scope and rings onto the scope mount base so that the bolts fit into the cross grooves of the scope mount.  
2A. With a screwdriver, tighten the large locking nuts at the side of the rings.
3. Rotate the scope so that the elevation turret is on top and the horizontal line in the reticle is level with the integrated stock level. With the crossbow de-cocked, hold the crossbow in your normal shooting position. Look through the scope; slide it forward or backwards to obtain the best eye relief.



**Note: During step 3, the scope rings may need to be re-positioned on the scope mount if you run out of eye relief adjustment**

*(continued)*

## SCOPE MOUNTING INSTRUCTIONS

- When the scope is properly positioned and the reticle is level with the integrated stock level, tighten the scope ring screws in a crisscross style pattern, turning each screw a quarter turn at a time to avoid altering the reticle position.

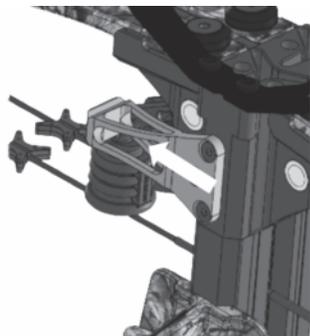


**Note: Look through the scope periodically during step 4 to verify the reticle remains level with the integrated stock level.**

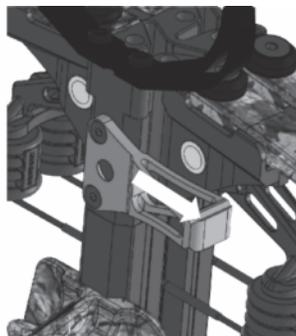
**CAUTION! DO NOT OVER-TIGHTEN THE SCOPE RING SCREWS. OVER TIGHTENING THE SCOPE RING SCREWS CAN CAUSE DAMAGE TO THE SCOPE OR RINGS, EFFECTING PERFORMANCE OR RENDERING IT INOPERABLE. THE GAPS BETWEEN THE TOP AND BOTTOM RING HALVES SHOULD BE EVEN ON THE LEFT AND RIGHT SIDE OF BOTH SCOPE RINGS.**

## ASSEMBLING AND INSTALLING THE REBOLT QUIVER

- Install the Offset Mounting Bracket to the underside of the riser. NOTE SPECIFIC ORIENTATION YOU REQUIRE BELOW. Torque two flat head cap screws to 18 in-lb



BOTTOM VIEW  
RIGHT HAND ORIENTATION

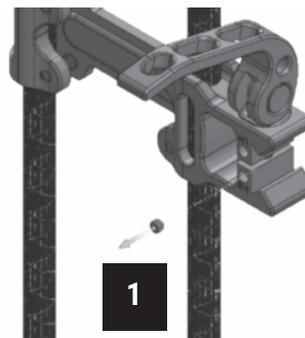


BOTTOM VIEW  
LEFT HAND ORIENTATION

- The quiver can now be mounted to the dovetail section of the Mounting Bracket

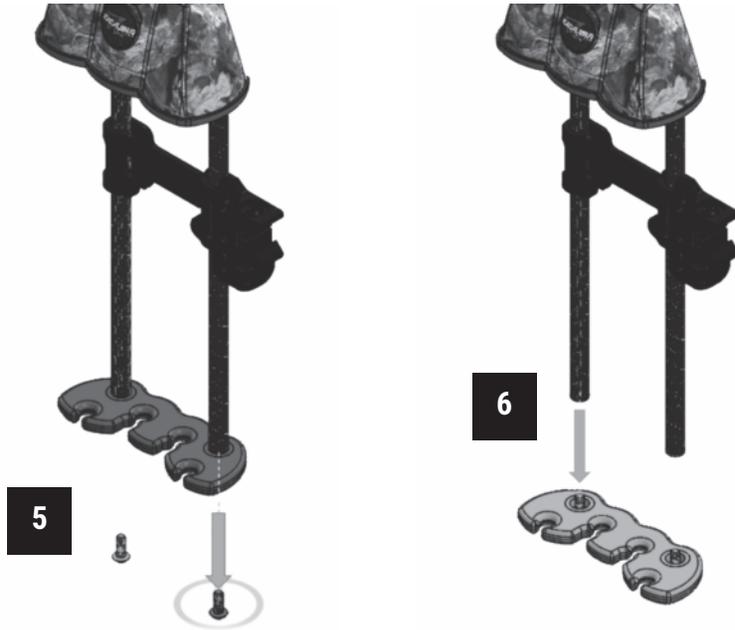
## CONVERTING THE REBOLT QUIVER FROM RH TO LH ORIENTATION

- Open the clamp lever, remove the set screw from the "RH" tapped hole and thread it into the "LH" hole using a 5/64 hex allen key (not provided), **do not tighten fully at this time**
- Remove the button head screw and brass washer using a 1/8" hex allen key
- Remove the lever, barrel nut and nylon washer from the "RH" pocket and install in the pocket marked "LH"
- Install the button head screw and brass washer using a 1/8" hex allen key, with the lever in the closed position, torque the button head screw to 11 in-lb
- Lock the set screw previously inserted into the "LH" threaded hole



*(continued)*

- Remove 2x button head cap screw using 1/8" hex allen key that hold the rubber arrow shaft support to carbon rods [FIG. 5]
- Remove rubber arrow shaft holder [FIG. 6]



- Loosen 4x button head cap screw in crossbar using 1/8" hex allen key, do not remove completely. Ensure crossbar slides on carbon rods. [FIG 7]



- Slide crossbar assembly off of rods, rotate clockwise 180 degrees and slide back onto carbon rods, position 2.5" from hood



- Tighten 4x button head cap screw in crossbar using 1/8" hex allen key
- Re-install the rubber arrow shaft holder and tighten 2x button head cap screw with 1/8" hex allen key
- Verify that the quiver clamps the dovetail on the Mounting bracket. If it is not clamping properly, loosen the set screw and repeat step 4 until the quiver clamps firmly

## WARNING! WHEN COCKING A LIMB SET WITH THE OPPOSITE LIMBSET COCKED, REMOVE ALL ARROWS BEFORE COCKING

### ASSEMBLY INSTRUCTIONS

1. Install mounting bracket by placing each half on either side of stock over the two holes near butt plate. Orientation is indicated with a L(Left) or R(Right) and Up or Down for proper placement. Bracket should be tight, do not over tighten or you could strip the threads.
2. Slide Charger EXT onto bracket and push firmly down. You will hear an audible "CLICK" when properly engaged. Verify proper installation by pulling up on the crank.

**WARNING: Damage or injury will occur if the Charger Ext is not securely seated in the mounting bracket, always confirm by pulling up on the crank.**



### COCKING INSTRUCTIONS

1. Remove crank handle by pressing the release lever and pull straight out of the socket. Push release catch forward to the "RELEASE" position allowing the two hooks to pull away from the crank. NOTE: Rope and hooks are under return tension.



2. Place the left crank hook onto the UPPER crossbow string making sure the hook is secured tightly against the left side of the mainframe.
3. Run the crank rope around the string groove (located on the stock below bubble level) and down the right side of the mainframe and hook onto the UPPER string. Confirm both hooks are tight against the mainframe.

**NOTE: If the hooks are jumping on top of the MAINFRAME while cranking you have not braced the rope through the string groove located below the bubble level (see IMAGE 3).**

The hooks can damage the side of the MAINFRAME if the rope is not positioned correctly. DAMAGE CAUSED BY INCORRECT USE OF THIS COCKING AID IS NOT COVERED UNDER WARRANTY!

4. Push the release catch back into the "PUSH TO COCK" position. Insert crank handle into Fail-Safe Strap and secure strap on wrist. Install crank handle into the Charger EXT handle socket (there will be an audible click when engaged)

**NOTE: Crank handle can be used on both Right and Left hand sides of crank.**



5. Move safety DOWN into the "FIRE" position. The safety must be in the fire position to engage the string catch when cocking. Begin loading the crossbow by turning the handle in a clockwise direction until the string is caught by the string catch. Stop cranking when you hear an audible "CLICK". Visually inspect the string is locked into the trigger catch.

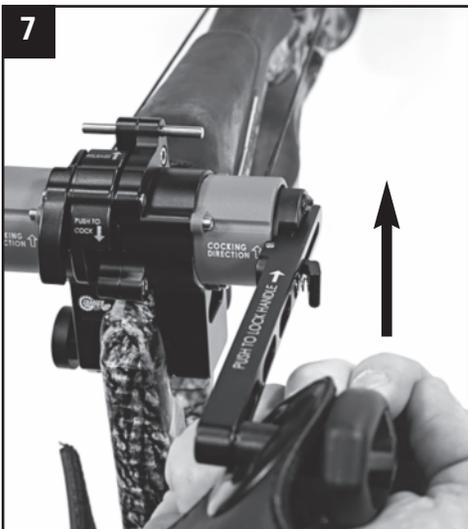


6. Once you have confirmed that the trigger catch has captured the crossbow string. Immediately place the safety into the "SAFE" by moving it into the up position.



*(continued)*

**CAUTION: DO NOT SHOOT YOUR CROSSBOW WITH THE HOOKS ATTACHED TO THE CROSSBOW STRING**



7. Once you have confirmed that the trigger catch has captured the crossbow string, apply slight forward pressure on the crank handle, push the release latch forward into the "RELEASE" position allowing the two hooks to disengage from the string.

8. Remove crank handle by pressing the release lever and pull handle straight out of socket.

**NOTE: THE TWINSTRIKE CROSSBOW IS EQUIPPED WITH A CEASEFIRE ANTI DRY-FIRE SYSTEM WHICH PROTECTS AGAINST UNINTENDED DISCHARGE OF THE CROSSBOW WHEN AN ARROW IS NOT PRESENT. THE CROSSBOW CANNOT BE FIRED WITHOUT AN ARROW SEATED ON THE BOWSTRING**



## COCKING THE LOWER STRING

REPEAT STEPS 3-7

**ALWAYS COCK UPPER STRING FIRST**

**CAUTION: DO NOT SHOOT YOUR CROSSBOW WITH THE HOOKS ATTACHED TO THE CROSSBOW STRING**

## REMOVING CHARGER EXT

1. Remove both crank hooks from the crossbow string, while maintaining hold of hooks let the retraction spring wind the rope automatically. Store crank hooks on the front keeper posts.
2. Remove the Charger EXT crank by pulling the locking button out, located on the left side, and slide crank out of the bracket.



### WARRANTY INFORMATION:

*Your NEW Charger EXT crank is warrantied against defects in manufacture and workmanship that adversely affect its operation for a period of 5 years to the original owner. The crank rope is not covered by this warranty as it is a normal wear item. Failure to follow these instructions can lead to serious injury or property damage and void the warranty! If you have any concerns regarding the use of your Charger EXT crank call us at 888-689-1289.*

## REMOVE ALL ARROWS BEFORE ATTEMPTING TO DECOCK YOUR CROSSBOW

**DO NOT ATTEMPT TO DECOCK YOUR CROSSBOW USING YOUR CHARGER EXT CRANK WITHOUT THE INCLUDED FAIL-SAFE STRAP INSTALLED. SERIOUS INJURY OR PRODUCT DAMAGE COULD RESULT**

**Re-Install Charger EXT - See Figure 1 and 2 in "Assembly Instructions" on page 12**

1. Place the RIGHT crank hook onto the LOWER crossbow string.
2. Run the crank rope around the string groove (located on the stock below bubble level), while holding the left hook in your left hand, place the DualFire Decocking Adapter hook (included in your bow package) onto the crank rope between the left crank hook and the string groove.



**NOTE: The DualFire Decocking Adapter hook attaches to the crank rope via the brass pulley.**

3. Pass the DualFire Decocking Adapter hook beneath the LOWER crossbow string, insert the DualFire Decocking Adapter hook "arm" on top of the LOWER string deck and rest it within the arrow track. Let the crank rope return tension pull the DualFire Decocking Adapter hook tight against the bowstring.



4. Insert crank handle into Fail-Safe Strap and secure strap on wrist. Install crank handle into the Charger EXT handle socket (there will be an audible click when engaged).
5. While maintaining a firm grip on the handle, move safety down into the "FIRE" position.



Apply slight pressure to the REAR (lower deck) trigger while rotating the crank handle clockwise with increasing pressure. Once the trigger activates, full draw weight will be transferred to the crank.

Slowly begin rotating the crank handle in the counterclockwise (backwards) direction until the string reaches brace height and there is no further pressure on the handle.

6. Move the safety up into the "SAFE" POSITION.
  7. Remove crank handle by pressing the release lever and pull straight out of the socket.
- NOTE: Rope and hooks are under return tension**
8. Remove the *DualFire Decocking Adapter* hook and right-side hook from the lower bowstring and allow the retraction spring wind the rope automatically.
  9. Repeat steps 2 – 8 for the UPPER crossbow string.
  10. Retain the *DualFire Decocking Adapter* hook in a safe location for further use.
  11. Remove the Charger EXT crank by pulling the locking button (on the left side) outwards and slide the crank up and out of the bracket.

**ALWAYS DECOCK LOWER STRING FIRST**

**WARNING! ALWAYS ENSURE THE SAFETY IS IN THE "SAFE" POSITION BEFORE LOADING AN ARROW**

**FAILURE TO LOAD BOTTOM ARROW FIRST MAY RESULT IN PERSONAL INJURY**

- Using Rhino nock arrows ensures arrow retention in the Ceasefire ADF system during consecutive shooting sessions. Load the **LOWER ARROW FIRST** by aligning the fletching and passing the arrow through the riser. Excalibur arrows do not have a "cock vane" so any of the three vanes can be pointed downwards.
- You will feel slight pressure when the rear arrow insert engages the hold down spring. Continue to push the arrow backwards toward the trigger assembly. Once you feel the arrow reach the trigger assembly seat the arrow in the trigger assembly by pressing the arrow firmly backwards. It will snap in place. Note: If the arrow is not fully seated and snapped into place the crossbow will not fire.
- Inspect that the rear of the insert is seated against the string serving and not hung up on the nock detent plunger.



**Repeat steps 1-4 to load TOP ARROW.**

**TO UNLOAD ARROWS, REMOVE TOP ARROW FIRST.**

**CAUTION: ALL SHOOTING SHOULD BE DONE AT AN APPROVED RANGE OR OTHER SAFE SHOOTING AREA. ALWAYS USE AN APPROPRIATE TARGET (EXCALIBUR PART NUMBER 3012) SPECIFICALLY DESIGNED FOR CROSSBOW USE AND MAKE SURE ITS LOCATION WILL NOT RESULT IN DAMAGE OR INJURY.**

**Note: the upper and lower arrows of the Twinstrike crossbow will have approximately 2" vertical distance between points of impact, in order to sight in cock, load and shoot the upper barrel only until satisfied with 20-yard group**

**\*\*Below [FIG 1] details 3 different sight-in scenarios to consider before shooting \*\***

**Figure 1**



- Use a target for sighting-in which will safely stop your arrows without damaging them. Carbon arrows can easily be damaged when shot and are not covered under warranty.
  - Use field points first to sight-in your scope. Be sure to match the weight of your field points to the weight of the broadhead you intend to use. If you are going to use fixed blade style broadheads, it's good practice to shoot the actual broadhead once you have confirmed accuracy using field points.
  - Set the speed dial on the scope to the FPS your crossbow is shooting.
  - Shoot the crossbow at 20 yards using the crosshair and note the impact point. Shoot several arrows to establish an arrow grouping.
- NOTE: FOR BEST RESULTS USE A SLED OR STABLE SHOOTING PLATFORM WHILE SIGHTING IN**
- Measure the distance from your aiming point to where the arrows hit the target, in both the vertical (elevation) and horizontal (windage) plane. Adjust your scope accordingly, 5 clicks equal 1/2" adjustment at 20 yards. *(continued on next page)*

Example, if your arrows are hitting 2 inches high and 3 inches left of your aiming point, adjust the elevation 20 clicks down and windage 30 clicks right. Shoot again and confirm the crossbow is properly sighted in, if not repeat above until you're satisfied.

6. To confirm that the 30, 40, 50, 60, 70, 80, 90, and 100 yards markers on the reticle are accurate, shoot several arrows at 30 yards using the 30-yard marker and note impact point. If the 30-yard marker is on, try the other markers out to 100 yards to confirm all are acceptable. If you notice the impact point is consistently high or low, a slight adjustment can be made utilizing the arrow speed ring. If the arrows are hitting high, increase the speed dial, if the arrow is hitting low, lower the speed dial.
7. If your scope is sighted correctly at 20 yards but the windage (right/left) is off at longer distances, windage adjustments must be made. If you cannot achieve correct elevation at longer distances by adjusting the speed dial, the elevation dial will need to be adjusted. Altering the elevation and windage adjustments slightly will not adversely affect accuracy at 20 yards. Adjusting 5 clicks at 20 yards moves the arrow 1/2", at longer distances 5 clicks will move the impact point considerably more.
8. Shoot the lower arrow to verify accuracy. If the lower arrow is more than 3" lower than the upper arrow verify arrow weights and brace height of both limb sets, shoot lower arrow again.

## CROSSBOW MAINTENANCE

**Your Excalibur recurve crossbow requires little maintenance. However, the following procedures will keep your crossbow shooting its best for many years.**

### CLEANING

Keeping your crossbow clean will assure its reliability and a long service life, plus it's a good time to inspect it for damage or loose hardware. It's common for wax from the serving to build up on the top of the rail section. An easy way to remove the wax is to use a light oil like WD40 soaked in a rag.

To clean the rest of the crossbow, soap and water or a mild cleaner can be used. Make sure to dry the entire crossbow and apply oil to all fasteners to avoid corrosion.

### OILING TRIGGERS & FASTENERS

Occasional lubrication of your trigger mechanism is necessary especially if you are using your crossbow in wet conditions. Use Ex-Oil or a similar light lubricant, applying through the upper and lower trigger areas. Make sure to treat all fasteners with oil to prevent corrosion.

### LUBING THE RAIL & WAXING THE SERVING

Apply a light coating of Ex-Wax to the center serving of the string and rub the wax into the serving strands (approximately every 30-40 shots). This will help lengthen the life of the strings serving. Do not apply wax directly to the mainframe/rail. Avoid applying excessive amounts of wax, it can get into the trigger mechanism and can also result in serving separation. You may need to remove the limb assembly to apply string wax to the lower crossbow string as access is limited to the center of the serving.

Application of Ex-Lube to the rail/mainframe reduces string friction, keeps the rail clean and allows the string to slide easier.

### INSPECT FASTENERS

Periodically inspect all fasteners to be sure that they have not vibrated loose from shooting, especially those holding scope or scope mount. Scope mount screws should be secured using Loctite or similar thread locking compound to prevent future issues. Before applying thread locker clean threads with solvent to assure a good bond.

## CROSSBOW MAINTENANCE FAQ

### SOUND SUPPRESSORS

Periodically rotate the rubber absorber pads on the R.E.D.S. system in order to alter the strings impact zone and increase the service life. Make sure you have distance between the string and the suppressor pads, 1/8"-1/2" is ideal. If the string is touching the pads premature wear may result. If you have more than 1/2" distance between the string and the pads that is also acceptable as the string will stretch with use. See the section on "BRACE HEIGHT ADJUSTMENT" to remedy incorrect distance between string serving and rubber pads.

### WHAT STRING DOES MY CROSSBOW USE?

The TWINSTRIKE crossbow models use the #1993 Micro string.

### DO I NEED TO UNSTRING MY CROSSBOW?

Unstringing your crossbow is not required when not in use. However, removing the string when not in use for extended periods of time (more than 1 season) will relieve stress from the string and limbs.

# CHANGING YOUR STRING

**NOTE: THE DualFire STRINGING AID ILLUSTRATED IS NOT INCLUDED WITH YOUR CROSSBOW PACKAGE BUT IS AVAILABLE SEPARATELY**

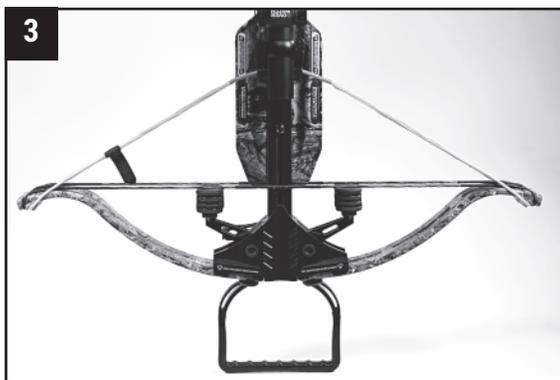
One advantage of owning an Excalibur crossbow is the ability for the user to change the string on their own without the need of a bow press. Changing the string is an easy process when using the optional #74391 DualFire STRINGING AID (not included).

## POSITIONING THE STRINGING AID ON THE UPPER STRING

1. Place the oversized loop ends over each limb tip (left and right) as shown in [FIG. 1] and snap/press the served loop portion into the INNER/OPEN groove of the limb tip [FIG. 2]. Repeat for the opposite side limb tip.



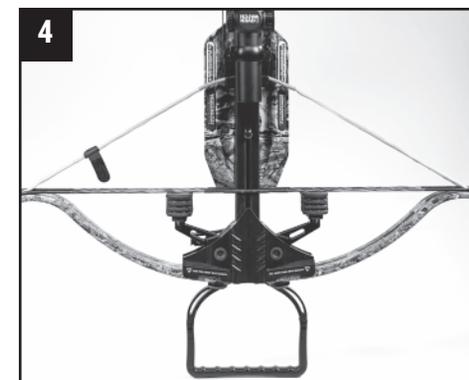
2. The stringing aid should be pulled toward the trigger unit with the serving beneath the upper hold down spring [FIG 3]. Proceed to the Unstringing/Adjusting brace height section.



# CHANGING YOUR STRING (continued)

## POSITIONING THE STRINGING AID ON THE LOWER STRING

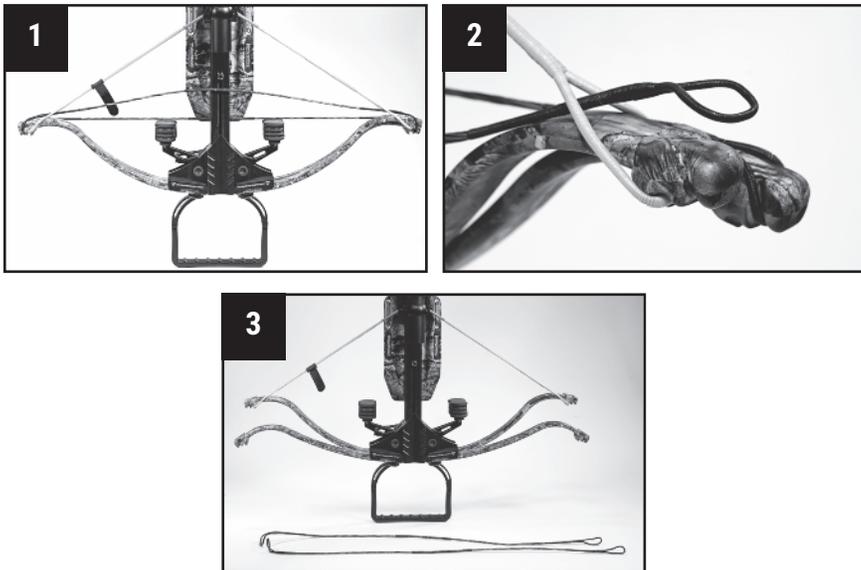
1. Place the oversized loop ends over ONE limb tip only (left OR right) as shown in [FIG. 1] and snap/press the served loop portion into the INNER/OPEN groove of the limb tip [FIG. 2].
2. Pass the opposite end of the stringing aid through the mainframe, be sure to avoid passing through the lower hold down spring as shown in [FIG 3] and inflicting damage to it.
3. Repeat step 1 for the opposite LOWER limb tip
4. The stringing aid should be pulled toward the trigger unit with the serving beneath the lower hold down spring [FIG 5]. Proceed to the Unstringing/Stringing/Adjusting brace height section



## UNSTRINGING YOUR CROSSBOW

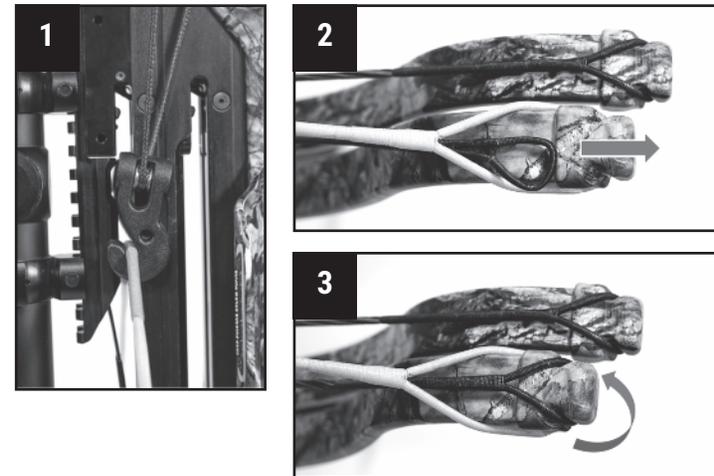
**CAUTION: ENSURE YOU HAVE THE FAIL-SAFE STRAP ATTACHED TO YOUR WRIST, AND A FIRM GRIP ON THE HANDLE WHEN OPERATING THE CHARGER EXT**

1. Place your foot firmly in the stirrup, lift the DualFire Stringing Aid (positioned in the previous instruction on Page 22) with the Charger EXT (refer to cocking instructions on Page 10) until there is sufficient slack in the bowstring [FIG 1], **DO NOT ALLOW THE STRINGING AID SERVING TO ENGAGE THE STRING CATCH.**
2. Ensure the Charger EXT crank pawl is engaged properly in the "PUSH TO COCK" position and allow the crank to support the draw weight of the bow. Remove the crank handle.
3. Remove one bow string loop from the left or the right limb tip [FIG 2]
4. Install the charger EXT crank handle and follow decocking instruction to let the DualFire Stringing Aid down until no draw weight is felt on the crank handle, detach cocking aid hooks and stow
5. Remove the remaining bow string loop and remove from the bow
6. Remove the DualFire Stringing Aid – (you may have to place the center of the stringing aid in front of the REDS rubber pads to create enough slack to remove)
7. Repeat steps 1 through 6 for LOWER bowstring [FIG 3].



## STRINGING YOUR CROSSBOW

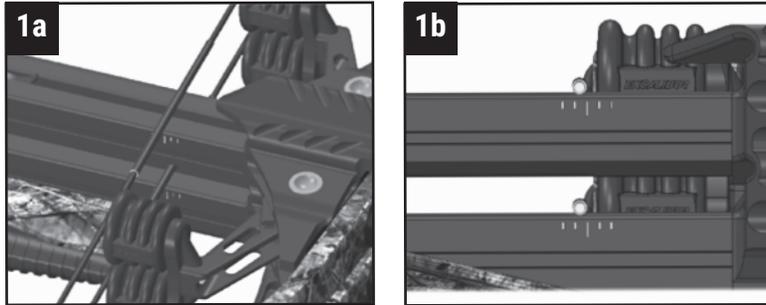
1. Place your foot firmly in the stirrup, lift the DualFire Stringing Aid (positioned in the previous instruction on page 22) with the Charger EXT (refer to cocking instructions on Page 10) until the stringing aid reaches the trigger box area [FIG 1], **DO NOT ALLOW THE STRINGING AID SERVING TO ENGAGE THE STRING CATCH.**
2. Ensure the Charger EXT crank pawl is engaged properly in the "PUSH TO COCK" position and allow the crank to support the draw weight of the bow. Remove the crank handle.
3. Pass the bowstring loop through the DualFire String Aid loop [FIG 2] on either left- or right-hand side and hook it onto the limb tip as shown in [FIG 3].



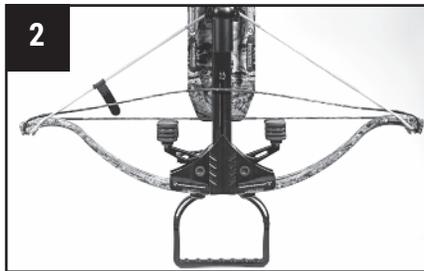
4. Repeat the step 3 process for the opposite limb tip. NOTE: when stringing the lower limb set, pass the opposite string loop through the mainframe slot (lower string deck), careful to avoid passing through the lower hold down spring and damaging it
5. Install the charger EXT crank handle and follow decocking instruction to let the DualFire Stringing Aid down until no draw weight is felt on the crank handle, detach cocking aid hooks and stow
6. Remove the DualFire Stringing Aid
7. Repeat steps 1 through 6 for LOWER bowstring

## ADJUSTING YOUR STRING (BRACE HEIGHT ADJUSTMENT)

In order to maintain the brace height of the bow adjustments may be required from time to time. Markings on the side of the Twinstrike mainframe indicate the appropriate brace height. Anything lower than what is shown in FIG 1a & 1b will require "twisting up", the following steps describe this adjustment.



1. Place your foot firmly in the stirrup, lift the DualFire Stringing Aid (positioned in the previous instruction on page 22) with the Charger EXT (refer to cocking instructions on Page 10) until the bow string has sufficient slack to be removed from one limb tip, an extra turn or two of the crank handle will create the required additional slack to account for the shortened/twisted up string in the next step(s) [FIG 2]

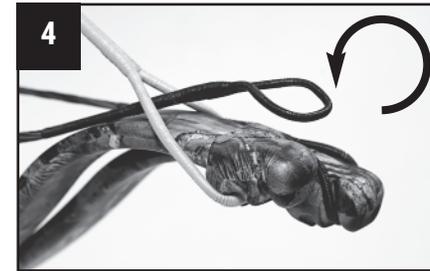


2. Remove one bow string loop from the left or the right limb tip [FIG 3]



## ADJUSTING YOUR STRING (BRACE HEIGHT ADJUSTMENT)

3. To increase the distance between the bow string serving and the REDS rubbers (increase brace height) twist the bowstring loop in a counterclockwise direction [FIG 4], count your revolutions/twists. 5 twists will move the brace height approximately 1/8". Hook the bowstring loop over the limb tip after completing the twists.



4. Install the charger EXT crank handle and follow decocking instruction to let the DualFire Stringing Aid down until no draw weight is felt on the crank handle, verify the brace height using the markings on the mainframe. If more twists are required repeat steps 1-3. If the brace height is correct, detach cocking aid hooks and stow.

## STORAGE AND TRANSPORT

Make sure to follow your local game laws regarding encasing your crossbow.

**Never transport your crossbow in a vehicle while it's cocked.**

The Excalibur Twinstrike crossbow is easily taken down by loosening and removing 4 bolts holding the riser and mainframe together. When transporting the crossbow after disassembly, it is important to re-attach the shipping plug that came with your bow [FIG 1]. If you did not retain the shipping plug, ensure that the mainframe is not bent or distorted during transport.



Always unstringing your crossbow if it will be exposed to extreme heat, such as in an enclosed automobile on a hot day or resting beside a heat source. Excessive heat will damage the limbs of your crossbow.

If you plan on traveling by air with your crossbow the best way to transport it is to take it apart and place it into a double hard gun case. We suggest a TSA approved case for airline transportation.

## ARROW INFORMATION

All Excalibur arrows use a threaded rear insert instead of a nock. The insert is threaded to allow the use of our #1986 T-Handle Arrow Puller. The arrows included with your crossbow have proven to be the best for your model and will work well with either fixed blade or mechanical broadheads. All Excalibur carbon arrows weigh 250 grains with no tip, so any field point or broad head of 100 grains or more are safe to use with your crossbow. It is important to ensure that your Twinstrike crossbow is shooting arrows with the RHINO NOCK insert. This will ensure proper arrow position during consecutive shooting (shooting one arrow after another in succession).

MODEL NAME	ARROW WEIGHT
Quill	250 grains
Illuminated Quill	277 grains
PROFLIGHT 16.5"	250 grains
ILLUMINATED PROFLIGHT 16.5"	277 grains

The arrow vanes are 2" and use a left or right 3-4-degree offset. No cock feather is required, any vane can be placed in the track while loading.

Do not shoot an arrow lighter than 350 grain total arrow weight (arrow and tip combined) or damage to your crossbow may result.

The Excalibur Twinstrike crossbow comes with 100 grain field points which match our Boltcutter Fixed Blade Broadheads, X-act Mechanical Broadheads, and Trailblazer Mechanical Broadheads (100 grain) and results in a total arrow weight of approximately 350 grains. To increase front of center weight, 150 grain points or broadheads can be purchased. The added weight will increase arrow energy as well as providing better accuracy and penetration.

**USE A TARGET DESIGNED TO BE USED WITH HIGH PERFORMANCE CROSSBOWS.**

### 1. THE HOOKS ON MY COCKING AID OR CRANK SLIDE ON TOP OF THE RAIL AND DO NOT ALLOW ME TO COCK THE CROSSBOW.

This is due to the rope on the cocking aid not being routed correctly through the groove molded in the stock which is positioned just behind the trigger housing below the bubble level.

### 2. MY CROSSBOW WILL NOT FIRE WITH AN ARROW LOADED AND THE SAFETY OFF.

This is a result of not having the arrow seated tightly against the string. Always visually check you have the arrow correctly seated against the string and arrow detent engaged before shooting.

### 3. MY LIMBS APPEAR TO HAVE CRACKS, DO I NEED TO HAVE THEM REPLACED?

Our limbs are built in a compression mold which is a very strong method for building crossbow limbs. The downside of the process is its common to get what is referred to as "molding marks". These marks are not cracking but rather slight surface imperfections. Some limbs have more than others, but they're common. If your limbs have these marks your crossbow is still safe to shoot.

### 4. THE STRING IS SITTING TOO FAR FORWARD AND HAS STRETCHED, HOW DO I FIX IT.

All Excalibur crossbows are pre-strung at the factory and if your crossbow has been sitting in the box for an extended period of time the string may stretch requiring adjustment. This is an easy thing to fix but it will require you to purchase a DUALFIRE STRINGING AID (74391). Simply remove the string and twist it in a counterclockwise direction per the instruction in this manual. Twisting the string will shorten it and increase the brace height.

### 5. THE STRING SERVING IS WEARING PREMATURELY

Confirm the string is twisted in a counterclockwise direction which will keep the serving tight. Make sure not to use an excessive amount of wax, too much wax can loosen the serving resulting in separation and ultimately serving failure. Nicks on rear arrow inserts caused by impact from other arrows are sharp and can cut the serving very quickly resulting in serving failure.

### 6. HAVING TROUBLE PUTTING THE CHARGER EXT CRANK INTO THE CRANK POSITION.

For right-handed user, insert crank handle into right side of charger and apply force in a clockwise direction while pressing on the release button until it engages.

### 7. THE CROSSBOW WILL NOT SHOOT ACCURATELY.

- Confirm all fasteners are tight. The most common cause of accuracy problems is loose scope mount screws.

- Check trigger mounting screws and the scope ring fasteners. *(continued)*

- Make sure the crossbow is cocked straight, confirm the cocking aid hooks are placed tightly against the rail before pulling the handles back, not doing so will cause the arrows to shoot right and left.
- Make sure you're shooting with field points to eliminate the broad head being the issue.
- Shoot one arrow only to confirm it's not an arrow issue.
- Make sure the arrow hold down spring is 1/8" to 3/16" above the rail. A too tight or too loose hold down spring can cause inconsistencies.
- Check for tiller issues on the limb set.
- If all previous items check out it will most likely be a scope problem.

**For more Frequently Asked Questions and further information please visit our on-line knowledge base at [excaliburcrossbow.com/service](http://excaliburcrossbow.com/service)**

### EXCALIBUR CUSTOMER GUARANTEE

Excalibur crossbows carry a lifetime warranty on manufacturing defects. Warranty will be given at Excalibur's discretion for the lifetime of the original owner of the crossbow. Registration of your crossbow is required, if you haven't registered your crossbow, what better time than now:

[WWW.EXCALIBURCROSSBOW.COM/REGISTER-CROSSBOW/](http://WWW.EXCALIBURCROSSBOW.COM/REGISTER-CROSSBOW/)

If you received an item with a suspected issue, please contact Excalibur customer service for a resolution. For a quick diagnosis visit our Customer Support page on our website: [WWW.EXCALIBURCROSSBOW.COM/SUPPORT/](http://WWW.EXCALIBURCROSSBOW.COM/SUPPORT/)

or send an email to the address listed below with a photo and explanation of the suspected fault.

All returns for warranty consideration must have a Return Merchandise Authorization number (RMA#) assigned. The RMA number must be indicated on the packaging or the package may be refused. RMA numbers will expire after 30 days if product has not been received within the defined timeline. To obtain an RMA number and correct address to ship your item to please contact Customer Service at:

[excaliburcrossbow.com/support/](http://excaliburcrossbow.com/support/)  
Phone: 888-689-1289 | Email: [warranty@excaliburcrossbow.com](mailto:warranty@excaliburcrossbow.com)

Shipping costs for sending any item to Excalibur Crossbow for warranty consideration will be the responsibility of the sender. All shipping and handling costs for returning repaired or replaced product to the owner will be at Excalibur Crossbow's expense. If an expedited method is requested for returning warranted product the additional costs will be at the owner's expense.

Excalibur Crossbow will not warrant damage as a result of misuse or abuse. All costs associated with any repairs required to products due to the result of abuse will be the responsibility of the owner.

### AFTER-MARKET COMPONENTS

Modifications to any part of your Excalibur Crossbow will be at your own risk. Any alteration or substitution of components on an Excalibur Crossbow product will VOID the warranty.

### NON-WARRANTIED ITEMS

Some Excalibur Crossbow accessories may not be covered under warranty unless the failure was deemed a manufacturing defect as determined by Excalibur Crossbow. Any product shot out of the crossbow or categorized as normal wear items, will not be covered under warranty.

### ITEMS NOT COVERED UNDER WARRANTY:

- Arrows lost or broken after being shot
- Damaged broadheads or field points that have been shot
- Worn string
- Worn rope cocking aid
- Worn stringing aid
- Worn CHARGER EXT crank cocking aid rope
- Worn Air Brake pads and R.E.D.S. suppressor pads, string stars, and RAVS
- Fasteners stripped by owner
- Arrow inserts coming out of arrow shaft after being lodged in a target
- Arrow fletching damaged after being shot
- Damage to mainframe/rail due to improper use of cocking devices
- Any items damaged by user abuse or misuse.
- Accessories including cases, bi-pods, quivers, cross-stix, etc. have a 1-year warranty from time of purchase and proof of purchase is required.