



Suppressor 400TD

Owner's Manual

www.ExcaliburCrossbow.com

TABLE OF CONTENTS

General Safety
Procedures

Assembly Procedures

Crossbow Operation
Instructions

Maintenance



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: 1-800-463-1817

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 following 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

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 any 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 1-800-463-1817

GENERAL SAFETY – Cocking with a Charger EXT

- Ensure the mount bracket has been installed correctly. 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.
- When installing the Charger EXT on bow, listen for an audible “CLICK” when properly engaged. Verify by pulling up on the crank.
- Visually validate that the Charger EXT is properly mounted by inspecting the side plunger for full engagement into the mount bracket. Not installing the Charger EXT correctly could result in personal injury, death, or damage.
- Always make sure your foot is placed completely in the stirrup before attempting to cock or decock your crossbow.
- Confirm that you have the rope routed around the molded string groove in the stock located directly under the safety.

NOTE: If the hooks are jumping on top of the mainframe while cranking you have not braced the rope through the molded string groove located under the safety. The hooks can damage the side of the mainframe if the rope is not positioned correctly. Damage caused by incorrect use of the Charger EXT is not covered under warranty!

- Always ensure the crank hook opening is facing UPWARDS and hooks should be tight against the mainframe when engaging the crossbow string.
- Insert crank handle into Fail-Safe Strap and secure strap on wrist.

CAUTION: Always use the Fail-Safe strap to cock and decock your crossbow. Failure to do so could result in personal injury.

- Once you have confirmed that the trigger catch has captured the crossbow string, immediately place the safety into the “SAFE” position by moving it downwards.
- Never take your foot out of the stirrup until the safety has been set to the “SAFE” position.
- Always remove both crank hooks from the crossbow string before loading.

CAUTION: Do not shoot your crossbow with the hooks attached to the crossbow string. Failure to do so will result in product damage and possible personal injury.

Always remove the arrow from the deck before attempting to decock your crossbow to avoid serious injury.

CAUTION: Do not attempt to decock your crossbow using your Charger EXT without the included Fail-Safe strap installed. Failure to do so will result in product damage and possible personal injury.

- When installing the Charger EXT on bow, listen for an audible “CLICK” when properly engaged. Verify by pulling up on the crank.
- Visually validate that the Charger EXT is properly mounted by inspecting the side plunger for full engagement into the mount bracket. Not installing the Charger EXT correctly could result in personal injury, death, or damage.
- Always make sure your foot is placed completely in the stirrup before attempting to cock or decock your crossbow.
- Confirm that you have the rope routed around the molded string groove in the stock located directly under the safety.
- While decocking your crossbow, always confirm that you have the entire draw weight securely held with the Charger EXT handle before de-activating the ADF and activating the trigger.
- Never place any part of your body into the path of the string or in front of a limb when your crossbow is cocked.

GENERAL SAFETY – Shooting & 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.
- 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.

Questions regarding crossbow operation? Call 1-800-463-1817

- 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!

GENERAL SAFETY – 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.
- Choose your shooting location carefully. Ensure the arrow will not hit anything or anybody if it would happen to miss the target. It's best to have a hill or structure that could handle an arrow impact behind your target.
- If you are missing the target, move closer to the target until you have the crossbow properly sighted in. Continuing to shoot while missing the target is dangerous and may result in personal injury or death to you or others. Lost or damaged arrows are not covered under warranty.

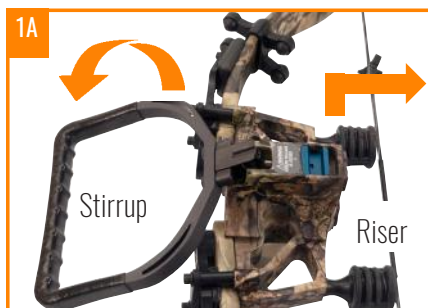
CAUTION: ENSURE FINGERS AND THUMB ARE BELOW THE CROSSBOW DECK BEFORE SHOOTING. MOST INJURIES OCCUR WHILE TARGET SHOOTING WITH THE CROSSBOW ON A REST. IT IS IMPERATIVE THAT YOU MAKE SURE NOTHING IS IN THE PATH OF THE CROSSBOW'S STRING BEFORE SHOOTING OR SERIOUS INJURY WILL OCCUR.

- 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.

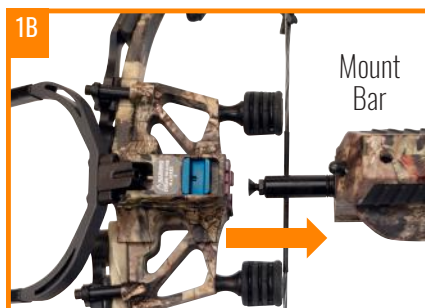
ASSEMBLY PROCEDURES

Assembling the Take Down Riser/Mainframe:

1. With the stirrup in the open position, slide the riser onto the mount bar located on the front of the mainframe assembly, push together for SNUG FIT.



Pull release to open stirrup



Slide riser into mount bar



Ensure snug fit between riser and mainframe

- 1D. Pull back on stirrup until the blue release "CLICKS" to ensure release is fully locked



Pull stirrup back to lock

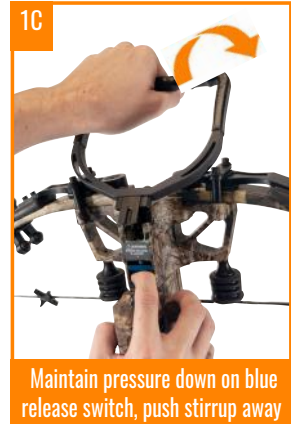
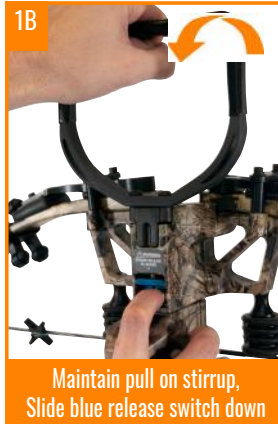
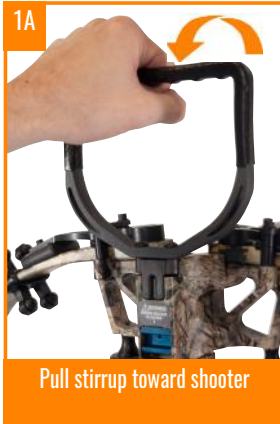


Ensure release switch is in closed position

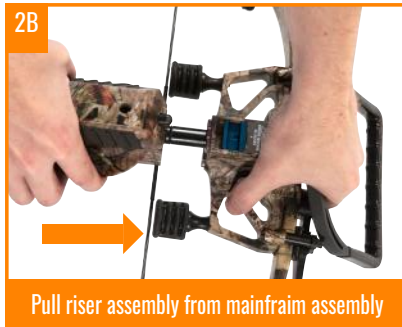
Questions regarding crossbow operation? Call 1-800-463-1817

Dis-Assembling the Take Down Riser/Mainframe:

1. While pulling back on stirrup, apply pressure to release switch, when release switch activates, let the stirrup fall forward to open position



2. Reach through the open stirrup and grasp the centre of the riser around the broadhead clearance groove, pull riser assembly away from mainframe assembly while holding both assemblies firmly



TROUBLESHOOTING:

Issue: When assembling front end, the stirrup is tight, and the release will not click closed properly

Solution: Pull the riser from the mainframe assembly. Loosen mount bar jam nut with 7/16" wrench and loosen clamp screw by 1/4 turn. Re-tighten mount bar jam nut. Retry assembly. If still tight repeat this process for an additional loosening 1/4 turn.



Loosen mount bar jam nut



Loosen clamp screw with
counter clockwise 1/4 rotation

Issue: When assembling front end, the riser and mainframe are not tight together.

Solution: Pull the riser from the mainframe assembly. Loosen mount bar jam nut and tighten clamp screw by 1/4 turn. Re-tighten mount bar jam nut. Retry assembly process. If still feeling loose, repeat this process for an additional tightening 1/4 turn.



Loosen mount bar jam nut



Tighten clamp screw with
clockwise 1/4 rotation

Questions regarding crossbow operation? Call 1-800-463-1817

EX-SHOX MOUNTING INSTRUCTIONS

To ensure your new Excalibur Ex-Shox are properly mounted please follow the directions below. Following these instructions will help ensure proper alignment on your Excalibur Crossbow.



It is recommended to let the tape adhere for 24 hours before shooting the bow.

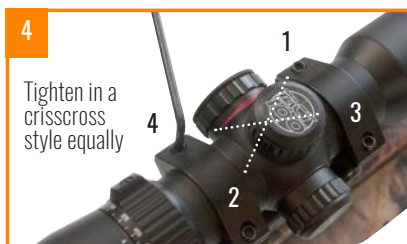
1. Ensure brace height is correct on string (0.25" off REDS).
2. Wipe mounting area with supplied alcohol wipe.
3. Remove adhesive backing tape from one EX-Shox Rubber. Then with foot in stirrup lightly pull back on string.
4. Ensure EXCALIBUR logo on the EX-Shox is facing toward the mainframe, slide the rubber with the string in the rubber groove until it reaches the limb. Approximate distance from limb tip to adhesive tape should be 1-5/8".
5. Firmly press the Ex Shox adhesive tape onto limb. Place an allen key or screwdriver through openings of the Ex-Shox to firmly adhere the Ex-Shox to the limb face.

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 parallel with the limbs. 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



4. When the scope is properly positioned and the reticle is aligned with the limbs, tighten the scope ring screws in a crisscross style pattern, turning each screw a 1/4 turn at a time to avoid altering the reticle position.

Note: Look through the scope periodically during step 4 to verify the reticle remains parallel to the limbs.

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.

The Guardian Anti-Dry-Fire mount has already been installed on your crossbow at the factory using Loctite to prevent the screws from loosening. To avoid stripping the screws if/when removing, ensure the allen wrench is the correct size (3/32) and properly seated in the head of the screw.

Questions regarding crossbow operation? Call 1-800-463-1817

ASSEMBLING THE STANDARD 4 ARROW QUIVER

DO NOT OVER TIGHTEN SCREWS, DOING SO MAY STRIP THE THREADS!

1. Place the 400TD quiver bracket pic rail in the slot on the side of the riser, lining up the countersunk hole in the pic rail with the threaded hole in the riser. Fasten it in place with the 8-32 x 5/8 flat head cap screw and the 3/32 allen key. Note: Right hand shooters install the pic rail on the right side of the riser, left hand shooters install on the left side of the riser.



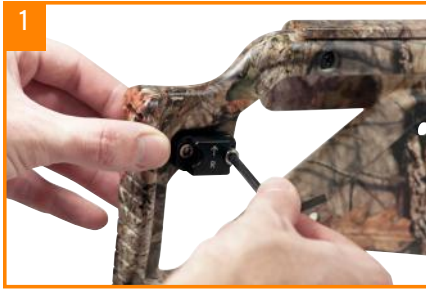
2. Take the 400TD quiver mount bracket and slide it onto the 400TD quiver bracket pic rail as shown.



3. Fasten the 400TD quiver mount bracket in place with the 10-24 x 1/4 set screw and the 3/32 allen key.
4. Place the two 10-24 x 5/8 flat head cap screws through the holes in the quiver block and into the two holes located in the quiver mount bracket. Orient the quiver block so the opening of the slot faces the front of the bow.
5. Fasten the quiver block in place with the two 10-24 acorn nuts and the 1/8 allen key.
6. Slide the quiver into the quiver block and fasten in place with the thumb screw.

CHARGER EXT ASSEMBLY

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 into bracket on the and push down. You will hear an audible “CLICK” when properly engaged. Verify 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 crossbow string making sure the hook is secured tightly against the left side of 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 under the safety (see IMAGE).

The hooks can damage the side of the MAINFRAME if the rope is not positioned correctly.

3. Run the crank rope around the string groove (located on the stock under the safety) and down the right side of the mainframe and hook onto the string. Confirm both hooks are tight against the mainframe.

DAMAGE CAUSED BY INCORRECT USE OF THIS COCKING AID IS NOT COVERED UNDER WARRANTY!

COCKING ASSMEBLY

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 up 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 and past the ADF catch.

NOTE: You may notice a click as the string passes the ADF catch, continue to crank to string 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 down position.

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



7. 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.



9. 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.



10. 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 (519) 743-6890.

REMOVE ARROW 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

1. Repeat **COCKING STEPS 1-3.**

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)



2. Keeping a firm grip on the crank handle, move safety up into the "FIRE" position.

With slight forward pressure, depress the ADF override and squeeze the trigger.



Full draw weight will be transferred to the crank. Slowly crank in a counter clockwise [backwards] direction until the string reaches brace height and there is no further pressure on the handle.

3: Repeat COCKING STEPS 8-10 to retract and stow crank hooks, and to remove the crank.



LOADING AN ARROW

1. Place the arrow in the flight groove with one vane placed down. Since the arrows do not use nocks but rather utilize a flat insert, it is not critical which vane is placed in the groove, there is no cock-vane.
2. Slide the arrow towards the trigger and under the arrow hold down spring arm, until the rear insert touches the string. Visually confirm the arrow is properly seated against the string.



NOTE: YOUR CROSSBOW IS EQUIPPED WITH THE GUARDIAN ANTI DRY-FIRE ACCESSORY, MAKE SURE THE ARROW IS PUSHED PAST THE ANTI DRY-FIRE LATCH AND ALL THE WAY INTO THE TRIGGER UNIT AND MAKES FULL CONTACT WITH THE STRING.

WARNING! FAILING TO PROPERLY SEAT THE ARROW AGAINST THE STRING MAY CAUSE A MISFIRE RESULTING IN DAMAGE NOT COVERED UNDER WARRANTY. IF THE CROSSBOW MAKES A LOUD NOISE AND THE ARROW ONLY TRAVELS A SHORT DISTANCE, IMPROPER ARROW LOADING IS LIKELY THE CAUSE.

YOUR CROSSBOW IS NOW LOADED AND MUST BE HANDLED WITH EXTREME CAUTION.

NOTE: DO NOT POINT THE CROSSBOW AT ANYTHING YOU DO NOT INTEND TO SHOOT!

Questions regarding crossbow operation? Call 1-800-463-1817

SIGHTING IN

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

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.
2. 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.
3. Set the speed dial on the scope to the FPS your crossbow is shooting.
4. 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

5. 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. 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 60 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.

TRIGGER ADJUSTMENT: 1 STAGE TO 2 STAGE

1. Remove (2x) button head stock screws using a 1/8 hex allen key. Retain hardware for re-assembly.
2. Pull mainframe straight up out of stock to avoid trigger actuator damage.
3. Loosen the jam nut using a 3/16 wrench, using 3/32 hex allen wrench remove the bolt and nut completely. Ensure you keep these two pieces in the case you want to set the trigger for 1 stage in the future. The trigger is now set to 2 stage.
4. Install mainframe assembly into stock. Fasten (2x) button head stock screws using a 1/8 hex allen key.

Loctite recommended



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 ensure 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.

Questions regarding crossbow operation? Call 1-800-463-1817

Use Ex-Oil or a similar light lubricant, applying through the safety slot and upper and lower trigger areas. Make sure to treat all fasteners with oil to prevent corrosion.

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.

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

CROSSBOW MAINTENANCE FAQ

SOUND SUPPRESSORS

If you wish to remove the string remove the Airbrake pads before unstringing your crossbow to prevent them from being damaged.

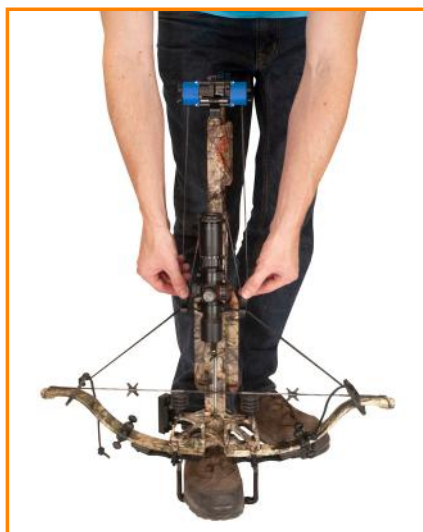
If you have the R.E.D.S. system on your crossbow, you should occasionally rotate the rubber absorber pads to alternate the strings impact zone and increase the service life. Make sure you have distance between the string and the suppressor pads, 1/8" -1/2" is ideal. If the string is touching the pads 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.

WHAT STRING DOES MY CROSSBOW USE?

All Micro series crossbow models use the 20", #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 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 **#2097 Stringing Aid**. (not included)

POSITIONING THE STRINGING AID

Place the limb-holders over each limb tip as shown below **FIG. 1**. The stringing aid rope should be positioned toward the trigger unit.



ADJUSTMENT

For optimum performance, the length of the Stringing Aid rope may need to be adjusted. Both of the limb-holders have three holes. You can lengthen or shorten the Stringing Aid by slipping the rope through these holes. Make sure the end of the rope runs under the loop to secure it as shown in **FIG. 2**. Adjust the length of the rope so when at full draw the limbs are just far enough back to easily remove or install the string. The Stringing Aid rope should always be long enough so that the limb-holders will go over unstrung limb tips.

PLACE SAFETY into the “FIRE” position

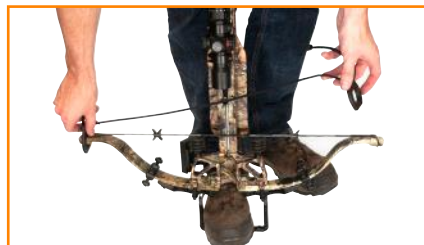
STRINGING YOUR CROSSBOW



PLACE SAFETY into the “FIRE” position



Position the Stringing Aid on your crossbow with the holes in the limb-holders over each limb tip.



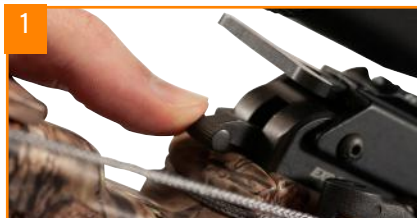
Questions regarding crossbow operation? Call 1-800-463-1817

CONFIRM THE ROPE IS CAUGHT ON THE CATCH, AND NOT ON THE ADF LATCH.

PLACE SAFETY into the “SAFE” position

Apply pressure to the crank handle and set the Charger EXT to the “RELEASE” position. The load is now applied to the catch, and not on the hooks of the Charger EXT.

Run the loops of the string through the holes in each limb-holder as shown in **FIG. 2.** and then over the limb tips. After both loops are placed on the limb tips, make sure they are securely located in the limb tip groove.



PLACE SAFETY into the “SAFE” position



UNSTRINGING

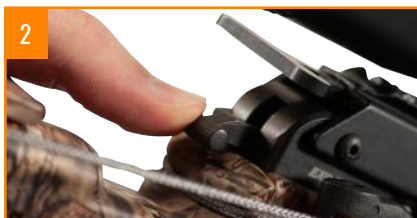
Position the Stringing Aid on your crossbow with the holes in the limb-holders over each limb tip as shown in **FIG. 1 & 2.**

PLACE SAFETY into the “FIRE” position

Place your foot firmly in the stirrup, lift the center of the rope with the Charger EXT (refer to **Cocking Instructions Pg.13**) until the trigger unit latches onto the string aid rope.



CONFIRM THE ROPE IS CAUGHT ON THE CATCH, AND NOT ON THE ADF LATCH.



PLACE SAFETY into the “SAFE” position



Apply pressure to the crank handle and set the Charger EXT to the “RELEASE” position. The load is now applied to the catch, and not on the hooks of the Charger EXT. Run the loops of the string through the holes in each limb-holder as shown in **FIG. 2.** and then over the limb tips. After both loops are placed on the limb tips, make sure they are securely located in the limb tip groove.

TO REMOVE THE STRINGING AID

With the Charger EXT set in the “RELEASE” position, secure the hooks to the Stringing Aid Rope while ensuring the crank rope routed around the molded string groove in the stock located directly under the safety.

PLACE SAFETY into the “FIRE” position

Apply pressure to the crank handle to transfer the load to the Charger EXT.

CAUTION: ENSURE YOU HAVE THE FAIL-SAFE STRAP ATTACHED TO YOUR WRIST, AND A FIRM GRIP ON THE CRANK HANDLE.

With your free hand, pull the trigger, and override the Guardian Anti-Dry-Fire.

Slowly decock using the Charger EXT so the load is now carried by the newly installed string and the stringing aid is slack. Check brace height and adjust if necessary. (See Trouble Shooting)

SHOOTING YOUR CROSSBOW

It's important to choose a safe spot to shoot your crossbow. Crossbows generate a lot of kinetic energy therefore choosing the correct type of target and where to place it requires some consideration. Targets not designed for crossbow use may allow arrows to passthrough, knowing what is behind the target is very important. There is also a chance you could make a bad shot and miss the target

completely allowing the arrow to travel a considerable distance creating a potentially dangerous situation.

The safest place to shoot your crossbow is outside with sufficient distance and nothing behind the target area to hit. Choosing an area with a hill or natural barrier is the safest.

Always know your target and never shoot an arrow without taking proper precautions, ensuring no harm to people or property.

STORAGE AND TRANSPORTATION

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

NEVER TRANSPORT YOUR CROSSBOW IN A VEHICLE WHILE IT'S COCKED.

All Excalibur crossbows can be easily taken down.

Never expose your crossbow 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. While walking with a cocked and loaded crossbow never allow anybody to walk in front of you. Never have your finger on the trigger while walking with a cocked and loaded crossbow.

Questions regarding crossbow operation? Call 1-800-463-1817

NEVER PLACE YOUR HAND OR ANYTHING IN THE PATH OF THE STRING WHILE CARRYING A COCKED 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 – FIELD POINTS – BROADHEADS

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 particular 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.

The arrow vanes are 2" and use a right 3 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.**

MODEL NAME	ARROW WEIGHT
<i>Quill</i>	- 250 grains
<i>Illuminated Quill</i>	- 277 grains
<i>Proflight</i>	- 250 grains
<i>Illuminated Proflight</i>	- 277 grains

Excalibur crossbows come with 100 grain field points which match our 100 grain broadheads resulting in a total arrow weight of approximately 350-377 grains. For increased front of center weight use our 150 grain points or broadheads.

**HINT! TO AVOID ARROWS STICKING IN FOAM TARGETS,
TREAT THE SHAFT WITH FURNITURE POLISH OR CAR
WAX. ALWAYS USE A TARGET DESIGNED TO BE USED
WITH HIGH PERFORMANCE CROSSBOWS.**

TROUBLESHOOTING

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 under the safety.

CROSSBOW MADE A LOUD NOISE WHEN FIRED, ARROW ONLY TRAVELED A SHORT DISTANCE AND THE STRING FLEW OFF.

This is a result of not having the arrow seated tightly against the string. Instead of the energy being transferred to the arrow it has been transferred to the string therefore causing it to come off. Check your limb tips for damage. Always visually check you have the arrow correctly seated against the string before shooting.

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 cracks 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.

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 **#2097 stringing aid**. Simply remove the string and twist it in a counter clockwise direction. Twisting the string will shorten it and increase the brace height.

THE STRING SERVING IS WEARING PREMATURELY

Confirm the string is twisted in a counter clockwise 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.

MAKE SURE NOT TO OVER CRANK WHEN USING THE CHARGER EXT

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

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.

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.

A scope adjustment may be required when transitioning from field points to broadheads.

Questions regarding crossbow operation? Call 1-800-463-1817

Shoot one arrow only to confirm its 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**

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 then 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/
Phone: 519-743-6890
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 WARRANTED 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 C2 Crank
Cocking Aid Rope**

**Worn Air Brake Pads,
Ex-Shox and S-5 /
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.**





EXCALIBUR CROSSBOW INC.

2335 SHIRLEY DRIVE KITCHENER, ONTARIO CANADA N2B 3X4

EMAIL: WARRANTY@EXCALIBURCROSSBOW.COM

PHONE: 1-800-463-1817

www.ExcaliburCrossbow.com