This owner’s manual contains safety instructions preceded by the following American National Standards Institute approved signal words.

(ANSI Standards)

These signal words will alert you to specific levels of hazard

- **DANGER**
- **WARNING**
- **CAUTION**
- **NOTICE**

**OTHER WARNINGS:**

- Go
- Stop
- Incorrect or danger
- Correct or safe

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INTRODUCTION

WELCOME: You are now the proud owner of one of America’s finest hunting crossbows. CAMX Crossbows are designed, engineered, tested, and manufactured in the United States of America and are recognized through the shooting and hunting industry. Rugged, dependable, and safe, each CAMX Crossbow utilizes the finest materials and latest manufacturing processes to ensure their performance. With reasonable care, your new CAMX Crossbow will provide you with years of pleasure and service.

BEFORE YOU BEGIN ASSEMBLY OR OPERATION, READ THIS MANUAL THOROUGHLY. WITHOUT PROPER WORKING KNOWLEDGE AND INSTRUCTION, YOU COULD DAMAGE YOUR CROSSBOW AND/OR CAUSE INJURY TO YOURSELF AND/OR OTHERS. If any part of this manual is unclear, contact CAMX Crossbows at (888) 226-3979 prior to shooting. We are here to help you and to ensure your safety while shooting. When you have read this manual thoroughly and understand it completely, be sure to save it for future reference.

TESTING AND ASSURANCE
Rest assured that every CAMX Crossbow has been thoroughly inspected before leaving the factory and has met or exceeded our stringent quality and performance standards. Your crossbow, first and foremost, has been deemed to be in SAFE working order.

WARNING

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Rest assured that every CAMX Crossbow has been thoroughly inspected before leaving the factory and has met or exceeded our stringent quality and performance standards. Your crossbow, first and foremost, has been deemed to be in SAFE working order.

CAMX PEAK Performance standards also ensure that your crossbow model has been assembled, weighed, chronographed, and test shot for accuracy. You can take great satisfaction in knowing that your crossbow will perform as advertised.

Every effort has been made to ensure that all product photographs, drawings or illustrations, and descriptions in this manual are accurate. With our continued effort to provide you with the best products possible, revisions in design or materials may result without notice. CAMX Outdoors, LLC., reserves the right to change or modify information and/or specifications contained in this manual without notice. Please visit us at www.camxcrossbows.com for updated information.

CAMX Crossbows shall not be liable for technical or editorial mistakes or errors in this manual nor shall it be liable for damages, incidental or consequential, resulting from your use of the information contained in this manual.

This owner’s manual contains proprietary and confidential information and is copyrighted. All rights reserved. No portions of this manual are to be copied or reproduced without the written consent of CAMX Crossbows.
CROSSBOW SAFETY

DANGER

IMPROPER USE OF THIS CROSSBOW CAN RESULT IN SERIOUS INJURY TO THE USER AND OTHERS.

WARNING

DO NOT ASSEMBLE OR SHOOT YOUR CROSSBOW UNTIL YOU HAVE READ THIS ENTIRE MANUAL AND ARE FAMILIAR WITH ITS SAFE OPERATION. IF ANY PART OF THIS MANUAL IS UNCLEAR, OR CONFUSING TO YOU, CONTACT CAMX CROSSBOWS PRIOR TO USE.

NOTICE

PRIOR TO HUNTING, CONSULT YOUR LOCAL GAME OR WILDLIFE AGENCY REGARDING THE CURRENT RULES AND REGULATIONS GOVERNING CROSSBOW USE IN YOUR STATE.

DANGER

NEVER rely on the mechanical safety alone.

ALWAYS point your crossbow down, and away from any object, target or animal you do not intend to shoot.

NEVER move the safety to the FIRE position until you are ready to take a shot at your target or an animal.

WARNING

BEFORE SHOOTING ENSURE THAT THE CROSSBOW LIMBS AND STRINGS ARE FREE OF OBSTRUCTIONS: Make sure the crossbow is clear from striking obstacles like tree limbs. It can greatly affect the accuracy of the arrow, may result in damage to the crossbow, and/or cause bodily injury to you or others.

CROSSBOW SAFETY

PRIOR TO HUNTING, CONSULT YOUR LOCAL GAME OR WILDLIFE AGENCY REGARDING THE CURRENT RULES AND REGULATIONS GOVERNING CROSSBOW USE IN YOUR STATE.

SAFETY PRECAUTIONS

Before you shoot your crossbow, you must read the safety and operation instructions in this manual.

DANGER

SHOOTING SAFETY

Above all else, know that your crossbow is a high performance weapon, capable of taking the world’s largest game. ALWAYS treat and handle your crossbow with the same care and concern as you would a loaded firearm.

DANGER

NEVER handle your cocked crossbow by grabbing or holding it by the limbs, string, or barrel. Handle your crossbow keeping your hand, fingers and thumb below the Thumbsaver™ guard. CAMX has designed a stock handle grip, a pistol grip, and a vented forearm grip into its design for proper and safe handling of your crossbow.

WARNING

BEFORE SHOOTING ENSURE THAT THE CROSSBOW LIMBS AND STRINGS ARE FREE OF OBSTRUCTIONS: Make sure the crossbow is clear from striking obstacles like tree limbs. It can greatly affect the accuracy of the arrow, may result in damage to the crossbow, and/or cause bodily injury to you or others.

NEVER rely on the mechanical safety alone. ALWAYS point your crossbow down, and away from any object, target or animal you do not intend to shoot.

NEVER move the safety to the FIRE position until you are ready to take a shot at your target or an animal.

STOP
NEVER pre-load your trigger prior to shooting your crossbow. The trigger is highly engineered and is designed to operate without the need to preload it.

NEVER shoot and arrow that is less than 20" long or less than 400 total grains of weight.

NEVER hand your crossbow to another person when it is loaded with an arrow.

NEVER leave your crossbow unsupervised, whether it is cocked or uncocked. Treat it as if it were a loaded firearm.

NEVER walk around or stalk game with an arrow loaded in your crossbow.

ALWAYS wear safety glasses when shooting your crossbow to protect your eyes should the limbs or string break.

ALWAYS identify and be certain of your target and beyond, whether it be an animal or practice target, before you pull the trigger. An arrow can travel well past your intended target and still be lethal or cause serious damage or personal injury.

NEVER shoot your crossbow if you observe that the string or cables have a cut or broken strand.

ALWAYS practice shooting in an open and well lit space that has a clear and unobstructed view of your target.

ALWAYS use a practice target that is designed and recommended by its manufacturer for use with crossbows.

BEFORE EACH SHOOTING SESSION, ALWAYS INSPECT YOUR ARROWS PRIOR TO USE: Check that the carbon shaft is not cracked or damaged in anyway. Check that all fletchings/vanes, nocks, and inserts are secure, intact, and not damaged. Replace any damaged components at first signs of wear.

WARNING

NEVER attempt to cock your crossbow while in a treestand. It is much safer to cock your crossbow at the base of the tree, then hoist your crossbow up using a rope.

NEVER consume drugs or alcohol before or while using your crossbow. Your vision, coordination, and judgment may be impaired enough to risk bodily injury, or even death, to you or others.

NEVER attempt to cock your crossbow while in a treestand. It is much safer to cock your crossbow at the base of the tree, then hoist your crossbow up using a rope.

ALWAYS be certain that the safety is in the safe position when carrying a cocked crossbow, even if it is not loaded.

ALWAYS be certain that the safety is in the safe position when carrying a cocked crossbow, even if it is not loaded.
ALWAYS maintain your crossbow properly and keep it in its safe working condition to achieve peak performance and offer you years of safe and enjoyable use.

NEVER Store your crossbow for extended periods of time in a closed vehicle where the interior temperatures can exceed 100 degrees.

ALWAYS maintain your crossbow’s strings and cables.

MAKE SURE the person you hand your crossbow to is familiar with the safety recommendations in this owner’s manual. This is YOUR responsibility as the crossbow owner.

CAUTION
NEVER ATTEMPT TO TRANSPORT YOUR CROSSBOW WHILE COCKED OR LOADED.
NEVER DRY FIRE THE CROSSBOW OR SHOOT IT WITHOUT AN ARROW.

ALWAYS keep sharp broadheads covered when hunting or transporting and away from yourself and others as well as your crossbow’s strings and cables. Remember, broadheads are razor sharp and will cut on contact.

WARNING
Your new CAMX crossbow was tested and shot at the factory, however, some basic assembly is required before heading afield. Find a flat, spacious work area and devote your full attention to the contents of this entire manual. Conduct a review of all the components prior to assembly to ensure all items have been included. Should any items be missing, please contact us at once.

Your base package should contain the following items (See Figure 1):

1. Stock Assembly with ARC™ Crossbow Scope
2. Bow Unit with Gripper™ Foot Stirrup
3. Wishbone™ 4 Arrow Quiver
4. 4 ACCUSPINE™ Arrows
5. Idler Roller Rope Cocker
6. Hardware Pack

The hardware packet included with your crossbow will contain your bow’s mounting bolt, 2 cable savers, hex key and Comfortek™ Stock Spacers with mounting screws. (One cable saver is needed for assembly, the second is an extra.)

NOTE: This manual may service several CAMX crossbow models. Variations may appear and exist between your particular crossbow model and those shown throughout.
NOW THAT THE CONTENTS HAVE BEEN CHECKED AND ALL ITEMS HAVE BEEN SUPPLIED, LET’S BEGIN THE SIMPLE AND BRIEF ASSEMBLY.

Locate the red cable saver. Orient the bow so that the string is closest to you and the cocking stirrup furthest away. Make sure the bow is facing up, as if it was in the shooting position. (See Figure 2)

Now position the cable saver so that the smooth curved section faces up and the three blades face down. The cable saver should be oriented so that the small molded in arrow symbol is on top and facing away from you or toward the front of the bow.

Insert the middle blade on the bottom of the cable saver between the two red and brown cables. The cable saver should be positioned so that the cables cross one another on the left side of the cable saver from the shooters perspective. (See Figure 3)

Next begin to insert the cables and cable saver into the cable slot by aligning the cable saver with the underside of the flight groove in the barrel. The cable saver should be oriented in a manner that the concave side with the arrow symbol is up and mates with the corresponding convex shape at the bottom of the flight groove. (See Figure 4)

NOTE: WITH THE STRING RESTING ON THE BARREL IT WILL BE NECESSARY TO APPLY A SMALL AMOUNT OF DOWNWARD PRESSURE TO THE CABLES AND CABLE SAVER TO ALIGN THE CABLE SAVER IN THE CABLE SLOT.
NOTE: The barrel to riser fit is precision machined with minimal tolerance. A small amount of effort and patience is needed to ensure proper alignment and that the barrel is properly seated. (See Figure 7)

Secure the bow unit to the barrel and stock assembly with the included bow mounting bolt. Insert the 1/4" x 20 x 2 3/4" shoulder bolt into the hole in the front of the riser and align with the counter bored hole in the barrel. (See Figure 7) This is a precision fit and there is minimal clearance. As such you will find that it is necessary to apply a downward force against the riser/stirrup to overcome the tension of the cables and string. This is best achieved by pulling down on the stirrup to close the gap at the bottom of the barrel and riser as you tighten the shoulder bolt. (See Figure 8)

Continue to slide the bow unit towards the front of the barrel, string on top of the barrel and cables and cable saver positioned in the cable slot. (See Figure 5)

As the bow unit approaches the front of the barrel, align the barrel with the cutout in the rear of the riser. Upon close inspection of the riser, you will note two alignment blocks. The blocks in the rear of the riser must align with the corresponding recesses on each side of the flight groove in the barrel. Slide the bow unit onto the barrel until it is fully seated up against the barrel. (See Figure 6)
You have now successfully completed assembly of the crossbow. Before heading afield, visually inspect the crossbow and ensure all fasteners are tight and all components are secure. (Figure 10)

Note: You may also find it easier to place the butt of the stock down on the ground. With the crossbow upside down to you, push the top of the stirrup up against a wall or table for added leverage.

Securely tighten the mounting bolt with the supplied 3/16" Hex key (Figure 9)

WARNING

Please continue to take a moment to finish reading this operations manual to better understand the safe operation and use of your new CAMX crossbow.

As always, if you have any questions or are uncertain of the assembly or operation of your crossbow please contact CAMX Crossbows immediately at (888) 226-3979.
The Wishbone™ quiver included in your Peak Performance™ system is fully assembled and ready for right hand installation.

To install, locate the threaded mounting hole on the underside of the barrel, approximately midway between the riser and the forearm of the stock. Thread the captured mounting bolt in the quiver’s arm into the hole while inserting the alignment pins on the quiver arm into the holes provided in the barrel above and below the threaded hole. Tighten knob firmly. (See Figure 11)

To load the Wishbone™ Quiver, simply lay arrows into the openings across the dual arrow spreaders with broadhead fully enclosed by the quiver cup. Press the arrow into the top spreader first, then the bottom. To remove arrows, reverse the process. The two rows of arrow spreaders eliminate the need for foam in the quiver cup allowing the use of mechanical broadheads and will not dull fixed blade heads.

Also, the dual arrow spreaders hold arrows securely while permitting easy and quiet removal. To remove the quiver for transportation, unscrew the locking knob. Once removed, place the quiver anywhere without fear of losing the knob as it is held against the quiver frame with a retaining ring.

WARNING

Take great care in handling broadhead tipped arrows. When installing broadhead tipped arrows into the Wishbone™ quiver, be sure to position the broadhead fully into the quiver cup to provide complete protection.

After removing an arrow for loading, take great care to avoid cutting your crossbow’s cables or strings with a razor sharp broadhead. [See Figure 12]
LEFT HAND CONVERSION
Your Wishbone™ quiver easily converts to left hand orientation. A small Phillips head screwdriver will be required to perform the operation.

Begin by holding the quiver arms securely. Remove the retaining ring on the backside of the knob that holds it against the quiver frame. With a small screwdriver blade or knife you should easily be able to pry it away from the threaded insert. Once the retaining ring has been removed, remove the knob and reinstall it through the opposite side of the quiver frame. Push the knob in all the way against the quiver frame and reinstall the retaining ring in the groove of the threaded insert of the knob. The retaining ring should push past the groove and snap into place.

The final step is to reverse the broadhead cup. Remove the two Phillips head screws, pull the cup from its mounting posts and reverse the cup 180°. Re-install the Phillips head screws securely. (See figure 13)

COMFORTEK™ STOCK ADJUSTMENT
Nothing breeds confidence like a well fitted stock. Just raise, aim and squeeze. No head wiggling or struggling to get a clear steady sight picture. The Comfortek™ stock of your X330 features an adjustable spacer system which permits custom fitting the LOP (length of pull) from 13 1/4” to 15”. Utilize this feature to position the trigger comfortably, and to position the scope for perfect eye relief. (See Figure 14)

The Comfortek™ adjustment system includes a butt plate, one (1) 1/2 “spacer (installed), two (2) 1/4” spacers and one (1) 3/4” spacer with mounting screws for any combination. To shorten or lengthen the stock, remove the butt plate with a Phillips screwdriver and add or subtract spacers for the proper fit.

HINT: Keep your stock fit perfect regardless of the season. Utilize the adjustment feature of the Comfortek throughout the year i.e. longer for summertime practice wearing light clothing, to shorter length setting for winter hunting while donning bulky insulated wear.

Once the proper spacer combination is determined, select from the included mounting screws the pair that protrudes approximately 1/2” from the butt plate and selected spacers. Next, simply re-attach.

Figure 13

Figure 14
COCKING THE CROSSBOW

METHOD 1 & 2

METHOD 1: HAND COCKING
If proper technique is used and you are physically able, hand cocking can be extremely accurate and simple with no further equipment required. Begin by pointing the crossbow down and resting the cocking stirrup on the ground. Place one foot fully and securely into the stirrup. Grasp the bowstring on adjacent sides of the barrel depressing the Thumbsaver™ guards flat against the barrel. (See Figure 15)

Using your thumbs or fingers as guides, pull the bowstring up, while simultaneously standing upright, into the string opening of the Monobloc™ scope base fully to the rear. (See Figure 16)

When the trigger safety moves to the SAFE position, relax the string tension slightly to ensure the trigger latch has engaged the bowstring. The crossbow is now cocked and ready for loading an arrow. (See Figure 16)

WARNING

Keep the bow pointed safely downrange from this point forward with all body parts kept below the Thumbsaver™ guards and travel path of the string and cables.

Make a visual check to ensure the trigger’s safety has moved to the SAFE position. (Figure 17)
METHOD 2: ROPE COCKING
USING THE IDLER ROLLER COCKING AID
CAMX has designed the Idler Roller Rope cocking aid for use with your crossbow. It has been included in your CAMX system and is the only rope cocker authorized for use with your CAMX crossbow. Other brands of rope cocking devices may damage the Thumbsaver™ feature of your bow and void your manufacturer’s warranty.

The cocking rope or length of your Idler Roller Rope Cocker™, has been properly adjusted at the factory. It may appear that the rope has been adjusted too short at first but this is done to allow the rope cocker to stay attached to the crossbow and string when uncocked for transportation, storage, and to prevent loss.

You may find it necessary to slightly draw the bow string to get the hooks properly attached before using it to cock the crossbow. Attach the rope cocker. This slight tension will hold the rope cocker in place on the crossbow for transportation or storage and will prevent loss of your rope cocker.

INSTRUCTIONS FOR USE
Point the crossbow down into the cocking position, resting the cocking stirrup on the ground. Place one foot fully and securely into the stirrup. Allow the handles of the rope cocker to hang freely to the outside and grasp one roller assembly in each hand keeping the hooks approximately 6 inches apart.

Position the center rope section (the 6” area) into the cocking aid groove located in the stock at the rear of the Monobloc™ scope base. (See Figure 18)

Bend over, sliding each roller assembly downward and hook over the bowstring, depressing the Thumbsaver™ guards flat against each side of the barrel. Be sure to keep each roller assembly positioned flat against the Thumbsaver™ during cocking.

Make a visual check that the center rope section is still in place in the cocking aid groove in the stock and the roller assemblies are positioned hook down with rollers flat against the Thumbsaver™. Grasp each “T” handle firmly. (Figure 19)

Pull evenly and smoothly, keeping the bow string flat against the barrel, while simultaneously standing in an upright position. The motion used will resemble rowing a boat. (See Figure 20)
Continue pulling the crossbow string into the string opening of the Monobloc™ scope base fully to the rear until the safety moves to the SAFE position. Relax pulling tension slightly to ensure the trigger latch has fully captured the bowstring.

To remove the cocking aid from the string, grasp and push each roller assembly forward. The Thumbsaver™ guards will now automatically return to their upright position. Make another visual check that the safety is now in the SAFE position and the Thumbsaver™ guards have re-deployed to their upright position.
After cocking is complete, place the rope cocker in a pocket or safely away from the crossbow when shooting to eliminate the possibility of injury or damage to the crossbow in the event of tangling or interference between the rope cocker and crossbow during firing. (See Figure 21)

**DANGER**

DO NOT PLACE ROPE COCKER AROUND NECK

**UNCOCKING THE CROSSBOW**

**UNCOCKING: STANDARD METHOD**

After a hunt or shooting session, it is wise to unload and un-cock the crossbow as soon as possible.

The safest and simplest method is to discharge a practice tipped arrow down into soft earth free of rocks or other debris. Some hunters carry a used practice arrow with them for unloading purposes. (See Figure 22 & 23)
UNCOCKING THE CROSSBOW

UNCOCKING: ROPE COCKER METHOD

This method of un-cocking should only be deployed by adults possessing at least average strength and dexterity.

IF THERE IS ANY DOUBT THAT YOU CAN PERFORM THESE FUNCTIONS, DO NOT ATTEMPT TO USE THIS METHOD. REFER TO THE INSTRUCTIONS FOR UNCOCKING STANDARD METHOD. (REF: PAGE 30)

Position the crossbow into the cocking position, cocking stirrup down and resting on the ground. Place one foot fully and securely into the stirrup.

In your non-dominant hand, slide the roller assembly fully against the base of the “T” handle. Hook the assembly to the bow string while depressing the Thumbsaver™ guard, allowing the roller assembly to fully fold the Thumbsaver™ guard flat against the barrel. (See Figure 24)

Align the rope into the groove provided in the stock and hold in place with your non-dominant hand thumb. With your dominant hand, grasp the opposite roller assembly and hook to the bow string while depressing the Thumbsaver™ guard flat against the barrel. The roller assembly should now be flush against Thumbsaver™ holding it in its down position. (See Figure 25)
Slide your dominant hand up the rope to the “T” handle eliminating all slack. Continue to hold this position. [See Figure 28]

With your non-dominant hand, you must now depress the anti-dry fire lever (PAR) located at the front of the Monobloc™ scope base with your index finger. While depressed, move the trigger safety to the FIRE position with your thumb. [See Figure 27]

NOTE: Use of a rope cocker will remove the camo finish inside the cocking aid groove of the stock and is considered normal and customary wear. This is not a warranty covered item or occurrence.

With your foot still securely positioned in the cocking stirrup, with your strong hand, pull firmly on the “t” handle, holding the bow string in position. PULL UP ON THE T-HANDLE AND STRING TO TAKE THE LOAD OFF THE STRING LATCH TO PREVENT THE STRING FROM JUMPING ON THE HOOKS WHEN YOU PULL THE TRIGGER. If you pull too hard you may reset the safety in which case you will have to repeat step five. With your weak hand, press the trigger.

In this next step, be prepared, as you lower the bowstring the force WILL increase. [See Figure 28] DO NOT Let the T Handle pull out of your hand.
LOADING YOUR CROSSBOW

ONCE THE CROSSBOW IS COCKED, VERIFY THE SAFETY IS FULLY IN THE “SAFE” POSITION.

**WARNING**

Only when loading an arrow, make sure your hands, finger and thumb remain above the string path.

Place an arrow flat into the flight groove with the red cock vane down into the groove. *(See Figure 29)*

Slide the arrow back, under the PAR arrow retainer until the rear of the arrow (flat nock) rests fully against the bowstring.
SHOOTING YOUR CROSSBOW

With the crossbow pointed downrange, shoulder it placing your front hand securely and comfortably on the forearm of the crossbow out of harms way, and with thumb and fingers positioned safely below the Thumbsaver™ guards. (See figure 33)

Your cheek should rest comfortably on the cheek piece of the stock with your dominant eye positioned directly in line and 1 1/2” to 2” away from the scope’s eyepiece. Move the safety forward to the FIRE position.

If you are unable to move the safety to the FIRE position, your arrow has not been properly loaded. Check figure 30, 31, 32 again to ensure the arrow is properly seated against the string, past the load line.

Take careful aim while holding the crossbow securely and keeping bow limbs parallel to the ground. Press the trigger gently to the rear until the crossbow fires. Continue to aim until the arrow has reached the target.

⚠️ DANGER

LOAD LINE

FLETCHING

Figure 30

Figure 31

Figure 32

Figure 33
Top crossbow shooters have several things in common. During practice sessions, they have bred consistency into their shooting technique. They take all of the following into consideration: consistent straight cocking procedures; mounting the bow with consistent cheek and stock pressure; placement of their trigger finger on the trigger, amount of time to execute the shot, keeping the bow parallel to the ground, consistent breathing and a rock-steady follow through.

Developing sound shooting habits during the summer will reap huge benefits in the Fall. Remember, it is much more important to execute good shots than to aim good shots. Aim and hold as steady as possible, control your breathing, but expect some movement of the sight.

After all, you are human. Just squeeze the trigger smoothly, not anticipating the shot and always keep aiming until after the arrow reaches the target. Many top shooters ensure their follow through by watching the arrow fly en route to the target through their optics.

By following these simple tips, and a little practice, you will soon be amazing yourself at the accuracy achieved with your CAMX system.
Your CAMX 4x32 ARC 330 crossbow scope has been pre-mounted, factory bore sighted, and zeroed. No gross sighting procedures will be required. After assembly several small, one time, adjustments may be necessary.

**EYE RELIEF**
Shoulder your crossbow naturally with both eyes closed. Open your eyes and determine if a “full field” of view is achieved in the scope. If not, the scope will need to be moved closer or farther from your dominant eye.

This can be achieved by shortening or lengthening the stock by use of the Comfortek™ spacer system or by changing the scope ring location on the Monobloc™ scope dovetail.

If necessary, you can also move the scope forward or backward within the rings by simply loosening the two Torx® screws located in the top of the each of the scope ring caps. Once the scope has been moved, evenly retighten all Torx® cap screws with the included Torx® wrench, a little at a time, until the scope is secure.

**DO NOT OVER TIGHTEN;** over tightening may cause marring or damage to the scope tube.

**NOTE:** Recommended screw torque – Scope Ring Cap screws – 20 inch lbs. Clamp screw – 30 inch lbs.

**EYE PIECE FOCUS**
Once proper eye relief is achieved, proceed to the target range and bench rest. Aim at a target at 20 yards distance. Loosen the front locking ring on the rear eye piece. Next, adjust the eye piece in or out until the crosshairs and target are clearly in focus. Lock the ring firmly to the eye piece to secure it.

If your crossbow has been pre-sighted with your included arrows, you may now begin shooting to verify impact. Begin at a range of 20 yards using the top crosshair. Use sand bags or shooting rest to eliminate human error and rest the crossbow on the cocking stirrup to eliminate unwanted contact of limbs, cables and string with the rest.

Shoot three arrows at multiple aiming points to eliminate arrow to arrow contact. Measure the distance from center impact and adjust accordingly.

Your ARC crossbow scope features 1.25 Minute of Angle (MOA) turret adjustments. Accordingly, 1 click of adjustment equates to 1/4” point of impact change at 20 yards range. For reference, your arrow shaft is a little less than 3/8” wide.

*Remember the point of impact change will be greater per click beyond 20 yards and less per click than 20 yards. At 40 yards, one click will be less than approximately a 1/2” point of impact change and at 10 yards 1/8”.*

To make adjustments, first remove the turret cap then turn the adjustment knob as noted on the top of the knob. The adjustment knobs are knurled and can easily be adjusted by hand without the use of a tool.

If necessary, you can also move the scope forward or backward within the rings by simply loosening the two Torx® screws located in the top of the each of the scope ring caps. Once the scope has been moved, evenly retighten all Torx® cap screws with the included Torx® wrench, a little at a time, until the scope is secure.

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The top turret controls elevation while the side turret controls windage. Turn the turret in the direction you want the arrow to go, i.e., if arrow impacts left, turn the windage turret right. If arrow impacts low, turn elevation turret up. (See Figure 34)

When sighting adjustment is complete at 20 yards, you may proceed to longer range targets to determine the impact distance of the lower four crosshairs. The ARC reticle will approximately deliver point of impact of 30, 40, 50, 60 and 70 yards respectively. The three dots that represent approximately 30, 40, and 50 yards cover about 1 1/4” at each distance. The point of intersection between the tip of the vertical duplex and fine crosshair is approximately 70 yards (called the tip of the chevron).

You can use the top of the very small portion of crosshair that extends above the main horizontal crosshair for a 10 yard reference also. (See Figure 35)

![Figure 34](image)

![Figure 35](image)

**WARNING**
Never mount or use the ARC 4 x 32 Crossbow Scope on rifles! The short eye relief of the crossbow scope will place the shooters eye too close to the scope to allow for the recoil of a rifle. Personal injury to your eye or head is likely if this important warning is ignored!

**HINT:** For ultimate accuracy at all ranges, ensure that the vertical crosshair is perpendicular to the bow string and that the horizontal crosshairs are parallel with the bow string. (See Figure 38)

![Figure 36](image)
CHOOSE THE RIGHT ARROW

We spent hundreds of hours in the field and on the range to develop and supply the most consistent and accurate crossbow arrows for your CAMX Crossbow. Your new X330 has been supplied with CAMX Accuspine™ arrows to meet the challenge. These wrapped carbon arrows have been engineered to provide optimum balance of speed, accuracy, durability, penetration, ballistic coefficient, and continued crossbow life. This arrow will serve the hunter well in harvesting all but the largest game on the earth.

For your safety and the safe operation of your crossbow, never shoot arrows that do not meet the following specifications:

- **20” minimum length**
- **400 grains minimum, (total arrow weight)**
- **11/32” or 0.348” diameter**
- **Aluminum flat back nocks**

It is crucial that you always select the proper arrow for your crossbow. Your crossbow stores tremendous energy and that energy is released through the arrow when fired.

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- **20” minimum length**
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It is crucial that you always select the proper arrow for your crossbow. Your crossbow stores tremendous energy and that energy is released through the arrow when fired.

ACCUSPINE ARROWS LOCK-N-LOAD INSERTS

All CAMX ACCUSPINE crossbow arrows include the Spot-On Lock-n-Load precision glueless insert from Clean-Shot Archery, Inc. Not only are Lock-n-Load inserts glueless, they are also indexable and self-centering! Weighing 92 grains, this brass insert is made to Archery Manufacturers Association (AMO) industry standards and will work with any broadhead, fixed blades or mechanicals. The Lock-n-Load insert has been extensively tested with field points and broadheads by CAMX in both bag and foam block targets.

Your Lock-n-Load inserts can easily be indexed or rotated to align your vanes to the blades or any desired position for arrow to arrow consistency. Insert removal and or rotation is accomplished by inserting a 5/64” hex key down into the insert and loosening the set screw at the bottom.

**NOTE:** The Lock-n-Load insert has been properly installed at the factory to a torque setting of 92 inch-ounces or 0.48 foot-pounds. When making adjustments, it is your responsibility to ensure you have the insert properly installed and tightened.

Once loose, the insert can be removed or rotated to the desired position and locked back into place by tightening the set screw with a 5/64” hex key.
Over tightening can result in splitting the arrow shaft. When properly installed a small bulge in the arrow shaft should be apparent both visually and by feel at the base of the insert.

**CAMX ALUMINUM FLAT NOCKS**

The CAMX Flat Nock is press fitted, and can be easily removed should you choose to use a lighted nock. Simply unscrew your field point, and screw it into the back of the flat nock. With the aid of a vise or a pair of pliers pull the flat nock from the arrow shaft. Be careful not to damage the arrow shaft when removing the nock, or when installing aftermarket lighted nocks.

Before shooting, make a visual inspection of each arrow for damage. Flex the arrow slightly to reveal cracks, splinters, delamination or impact crush marks. Discard any arrow showing these signs. Inspect for loose fletchings and damaged flat backed nocks. Do not shoot these arrows until repaired.

**WARNING**

**SHOOTING A DAMAGED ARROW OR SHOOTING ARROWS THAT DO NOT MEET THE MANUFACTURER’S RECOMMENDATIONS IS A DANGEROUS PRACTICE THAT COULD RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS AND WILL VOID CAMX WARRANTY.**

**CROSSBOW TARGETS**

To get full enjoyment from your newly purchased CAMX Crossbow, a properly designed target will be necessary for practice with both field points and broadheads. We believe that it is necessary to purchase two targets for best results: One suited for use with field or practice style points and another for use with broadheads or hunting tips.

We highly recommend a “bag” style target when shooting field points. Bag targets last a long time and are great for easy arrow removal when shot only with field points. Most bag targets also feature multiple aiming spots or targets allowing you to fully enjoy the accuracy of your new CAMX Crossbow without damaging arrows.

While we all like to shoot groups, remember that shooting groups with your CAMX crossbow will more than likely result in arrow damage as your crossbow is capable of shooting same hole groups.

When sighting in for hunting and shooting broadheads it will be necessary to use a foam or broadhead style target. There are many types and designs of broadhead targets available.
Many make claim that you can also use them with field points, however we do not recommend shooting field points into foam style block or layered broadhead targets. Arrow removal can be extremely difficult without a broadhead. It is possible to have the arrow components like the insert and point get lost in the target during arrow removal as the forces required to pull the arrow from the foam target are greater than the forces required to pull out the arrow components. Remember, the job of the arrow and broadhead is to go through things. Today’s foam broadhead targets are extremely dense so they can quickly stop arrows.

When shot with just field points, the point and arrow shaft will actually weld themselves to the foam from the friction used to stop the arrow. When used with a broadhead, the blades actually cut the foam and allow for expansion of the foam making broadhead arrow removal more manageable.

Remember that shooting broadheads into a target is destructive from the very first shot and as time goes on it will be necessary to replace your broadhead target to ensure proper stopping of the arrow.

We also recommend the use of an arrow shaft lubricant when shooting into foam broadhead or 3D animal targets. A little will go a long way and make arrow removal much easier and enjoyable.

CARE, MAINTENANCE, STORAGE AND SERVICE

Your new CAMX crossbow is a high quality, precision hunting weapon. Occasionally, minimal maintenance is required to ensure your continued successes and the crossbow’s performance. Prior to every outing, make a habit of conducting a quick inspection of strings, cables, wheel, arrows, and all fasteners. It’s crucial that your crossbow is in safe working order prior to heading afield.

GENERAL CARE

Keep your crossbow clean and dry. Lightly lubricate trigger components, axles and steel components with a high quality gun oil to insure performance and reduce rust and oxidation.

Store your crossbow in a cool dry place when not in use.

Never leave your crossbow exposed to extreme heat source such as a furnace vent or enclosed automobile trunk on a hot day. High heat is the enemy of crossbow limbs and synthetic strings and cables.

A padded crossbow case works well for long term storage and will keep your crossbow free of dust and debris.

When storing for long periods it is not necessary to relax or unstring the crossbow.
Proper maintenance will greatly extend the life of your Winner’s Choice strings and cables. Your crossbow string and cables should be replaced prior to each season or as needed. Crossbow strings and cables are constructed of multiple fibers and as such require frequent lubrication to prevent fraying and dry rot.

A quality string/rail lubricant should be applied to exposed fibers. Extra lubricant should be applied to areas where the cables cross. Reapply as needed, especially after hunting in the rain.

The barrel on your crossbow has been coated with a special TEFLON® finish to reduce string wear. However, applying CAMX Barrel lubricant to the top surface of the barrel will promote a longer string life.

When applying a rail lubricant to the top surface of the barrel, be careful not to over lubricate or wax the center section of the string. Over lubrication may cause a build-up of lubricant in the trigger assembly adversely affecting its proper function and safety.

A WARNING

IF YOUR STRING OR CABLES ARE FRAYED, SHOW SIGNS OF EXCESSIVE WEAR OR HAVE BROKEN STRANDS, REPLACE THE STRING OR CABLES IMMEDIATELY PRIOR TO SHOOTING.

NEVER SHOOT YOUR CROSSBOW IF THE CENTER SERVED PORTION OF THE STRING IS FRAYED, BROKEN OR MISSING.

USE ONLY GENUINE CAMX REPLACEMENT STRINGS, CABLES (BY WINNERS CHOICE) AND COMPONENTS. USE OF COMPONENTS OTHER THAN THOSE SUPPLIED, APPROVED AND/OR MANUFACTURED BY CAMX OUTDOORS INC. MAY NOT ONLY VOID YOUR WARRANTY BUT COULD RESULT IN BODILY INJURY.

FACTORY SERVICE

Although a local archery pro shop may be capable of routine string and cable changes, we highly recommend taking advantage of the CAMX factory service department when possible, for all your service needs. Our team of trained technicians are familiar with all aspects of your crossbow and will perform any service operation professionally and promptly.

NOTICE

WAX & BARREL LUBE KIT

85000003  Kit
85000004  String Wax
85000005  Barrel Lube
WHAT IS COVERED?
Subject to the terms, conditions and limitations warranted to the original owner outlined below, CAMX Crossbows are warranted to the “product life” of the product against defects in materials or workmanship that adversely affect the crossbow’s operation. (“Product Life” is defined as the period of time the components required to repair or replace a given product are still in production or stock.) After the “Product Life” has expired, a pro rated credit will be issued to the original owner for use toward the purchase of a new replacement.

WHO IS COVERED?
The original owner of the crossbow.

WHAT IS NOT COVERED?
Paint, hydrographic decoration, finish and anodizing or other metal coatings deemed to be cosmetic in nature and do not affect the safe function of the product.

Bowstrings, cables, cable slides, wheel bearings or bushings will require replacement through normal use and are considered to be consumable components and are NOT covered under warranty.

Warranty shall not apply and will be void if any of the following occur:
• The instructions provided in this Owner’s Manual are not followed
• Any component of the crossbow is damaged or modified from its original condition
• Damage caused from abuse or neglect
• Damage caused by “Dry Firing”
• Damage caused from shooting anything in the crossbow other than arrows of the recommended weight and specification as stated in this the Operations Manual
• Damage caused by improper or abnormal use
• The crossbow was used for any purpose other than hunting or target shooting
• The crossbow is rented or loaned for use by a retailer, shooting range operator or commercial entity, whether or not a fee was charged for its use

HOW TO GET FACTORY SERVICE:
Should your crossbow require factory service, contact a CAMX technician at (888) 226-3979. You will be issued a Return Authorization Number [RA#]. This RA# should be clearly marked on the outside package. Discuss with the technician which, if any, accessories should be removed from your crossbow before shipping. Pack your crossbow using adequate filler material to protect it during shipping. CAMX is not responsible for damage incurred during shipping. You will pay shipping costs to CAMX.

If, after examination, it is determined there are related charges to the repair, you will be notified of charges for authorization before performing any repairs.

FOR ALL WARRANTY
WHAT IS COVERED?
Subject to the terms, conditions and limitations warranted to the original owner outlined below, CAMX Crossbows are warranted to the “product life” of the product against defects in materials or workmanship that adversely affect the crossbow’s operation. (“Product Life” is defined as the period of time the components required to repair or replace a given product are still in production or stock.) After the “Product Life” has expired, a pro rated credit will be issued to the original owner for use toward the purchase of a new replacement.

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• The instructions provided in this Owner’s Manual are not followed
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• Damage caused by improper or abnormal use
• The crossbow was used for any purpose other than hunting or target shooting
• The crossbow is rented or loaned for use by a retailer, shooting range operator or commercial entity, whether or not a fee was charged for its use

HOW LONG DOES COVERAGE LAST?
FOREVER for the product life to the original owner.

HOW TO GET FACTORY SERVICE:
Should your crossbow require factory service, contact a CAMX technician at (888) 226-3979. You will be issued a Return Authorization Number [RA#]. This RA# should be clearly marked on the outside package. Discuss with the technician which, if any, accessories should be removed from your crossbow before shipping. Pack your crossbow using adequate filler material to protect it during shipping. CAMX is not responsible for damage incurred during shipping. You will pay shipping costs to CAMX.

If, after examination, it is determined there are related charges to the repair, you will be notified of charges for authorization before performing any repairs.
Once repair is completed, the product will be returned to you at the expense of CAMX, shipped standard ground service CONUS (Continental United States).

**LIMITATION OF WARRANTY LIABILITIES:**
Your sole and exclusive remedy pursuant to this Limited Warranty is the repair or replacement of defective parts or workmanship.

In no event shall CAMX nor its suppliers be liable for any direct, indirect, incidental, special, exemplary, or consequential damages, expenses, lost profits, lost savings, business interruption, lost business information, property damage, personal injuries (including death, emotional distress, pain, and suffering) or any other damage arising out of the use or inability to use the product, even if CAMX or suppliers were advised of the possibility of such damages. You acknowledge that the purchase price paid for the product reflects this allocation of risk and exclusion of damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. If the limitation of liability is not applicable, in no event shall CAMX’s liability for property damage exceed the greater of $10,000 or the price paid for the product that caused such damage.

**WARRANTY LIMITATIONS PERIOD:**
All warranties implied by law shall be limited to the lesser of 20 years from the date of original purchase or the limitation period applicable in the State in which the damage occurred, whichever period is shorter. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Any action against CAMX based on an alleged breach of warranty must be filed in court within 1 year of the claimed breach.

**ENTIRE OBLIGATION:**
This document states the entire obligation of CAMX with respect to the product. If any part of this Limited Warranty (including the warranty disclaimers and limitations of CAMX liability) is determined to be void, unenforceable or illegal, the invalid or unenforceable provision shall be deemed to be superseded by a valid, enforceable provision that most closely matches the intent of the original provision, and the remainder of the agreement shall remain in full force and effect.

CAMX makes no other warranty beyond the terms of this Limited Warranty. No agent, employee or salesman of CAMX or its suppliers, nor any person, from whom you purchased this product, is authorized to modify, extend or waive the terms of this Limited Warranty. Any statements, representations or promises made by anyone else at any time are unenforceable against CAMX.
AMERICAN MADE

Although CAMX is a new name in the crossbow marketplace, the engineers behind the products form a team with the most expertise and experience in the industry. Our vision is to build products and do business the American way. Build them right. Build them better. Build them to last. Build them here. Sell them for a fair price and stand behind the work. We want customers who appreciate value, not only in the price paid, but in reliability, performance, safety and enjoyment over the years.

HOW WE DO BUSINESS

The main difference with CAMX versus any other crossbow company is that YOU are the only customer we need to satisfy.

GUARANTEE

ACCURACY – Your new CAMX crossbow is guaranteed to group 1” or less at 20 yards with the arrows provided in the CAMX “Peak Performance” system. All crossbows will be assembled and test shot for guaranteed accuracy before shipping to you.

PERFORMANCE – Your new CAMX crossbow will shoot the advertised speed. All crossbows will be chronograph verified to meet or exceed published speed ratings with supplied ACCUSPINE arrows before shipping to you.

CAMX PERFORMANCE ACCESSORIES

ACCUSPINE™ ARROWS
85000006  (4Pack)

LOW READY SLING™
(Patented)
85000017  Realtree™ XTRA
85000045  Black

XBOW BROADHEADS
(Patented)
15ST100X  100 GR 4 PACK
15ST125X  125 GR 4 PACK
15ST150X  150 GR 4 PACK

WAX & BARREL LUBE KIT
85000003  Kit
85000004  String Wax
85000005  Barrel Lube

WISHBONE™ SIDEMOUNT QUIVER
(Patented)
85000012  Realtree™ XTRA
85000013  Realtree™ MAX1
85000014  Realtree™ AP SNOW
85000016  Black

IDLER ROD COCKER
(Patent Pending)
85000001

ACCUSPINE™ ARROWS
85000006  (4Pack)
LIABILITY DISCLAIMER
The Outdoor Group, LLC is not liable for any personal injury, death, or property damage that may result from your use of this product. The user of this product assumes all risks of property damage or injury to yourself and others that may arise from its use. Use of this product binds the user to this agreement.