

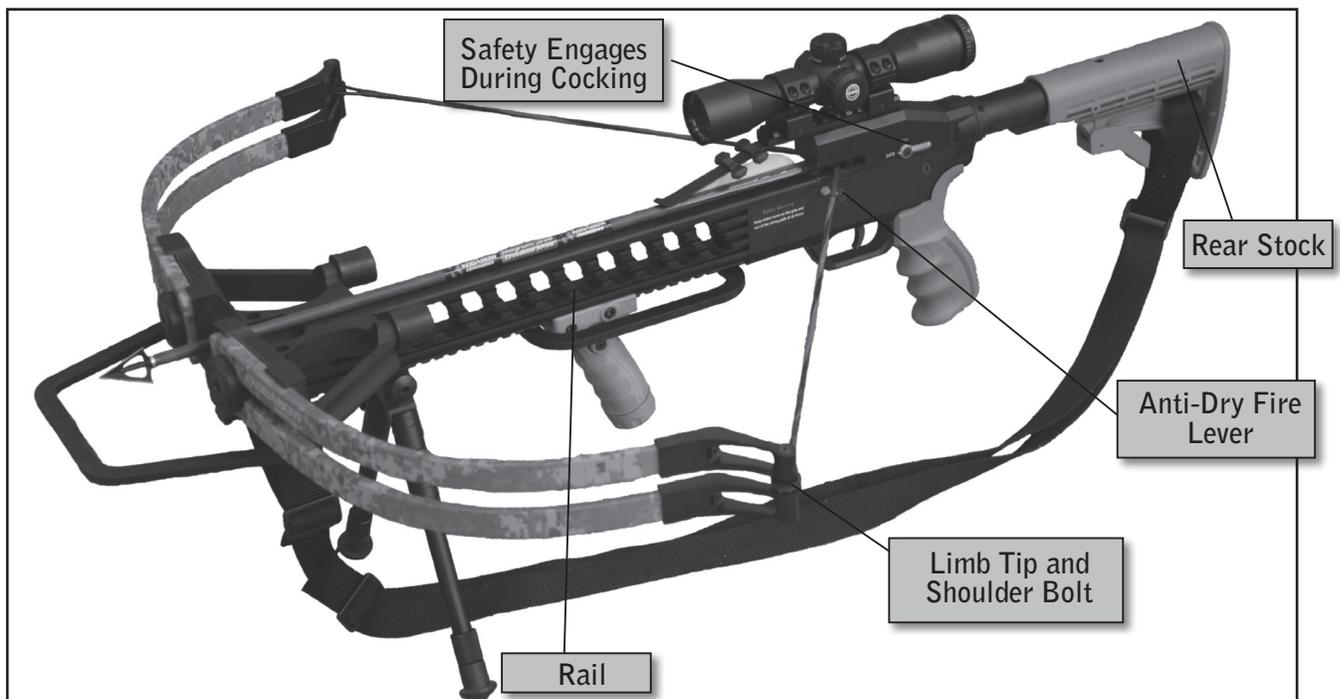
KODABOW
STRIKE WITH DEADLY PRECISION

Instruction Manual

Thank you for purchasing a Kodabow crossbow.

A Kodabow crossbow is an advanced technology product that is intended to provide an enjoyable shooting or hunting experience. High precision manufacturing and design methods were used to produce this crossbow --- all in the USA. The crossbows are well built and as a result, you can expect high accuracy and reliability in the field.

Read this manual completely including all operating and safety instructions before assembling or shooting your new crossbow. Study and ensure you fully understand Kodabow cocking, loading and shooting procedures before using the crossbow. Crossbows store high levels of energy and failure to adhere to safe practices or following the instructions in this Manual can cause serious injury and damage your crossbow. A crossbow can be dangerous and safeguards such as specialized grips, anti-dry fire mechanisms, and other safety systems will not eliminate the potential for personal injury as a result of negligent or improper use.



⚠ DANGER

Failure to follow the *DANGERS, WARNINGS and CAUTIONS* contained in this instruction manual may result in serious bodily injury or death, or may cause damage to property.

⚠ WARNINGS:

To avoid injury to yourself and others, you must follow **SAFETY RULES** and **WARNINGS** at all times. **DO NOT MAKE EXCEPTIONS.** Adhere to **SAFETY RULES** and **WARNINGS** or you will endanger yourself and others.

1. Always point your crossbow in a safe direction and never point or aim your crossbow at anything you do not intend to shoot.

A crossbow IS NOT A TOY. Treat the crossbow with a healthy respect for the high levels of kinetic energy stored in the limbs and string. Do not allow minors or children to use the crossbow without adult instruction and supervision.

When your crossbow is loaded, it is a dangerous and deadly weapon.

2. When not hunting or target shooting, uncock your crossbow and store it in a safe place. Do not transport or store your crossbow in a cocked condition.
3. Do not rely on your crossbow safety. When firing the crossbow, ensure all observers are behind the shooter and away from the string and limb pathways to avoid injury should a string or other crossbow component fail or break.
4. Be sure of your target and what is beyond aiming area in the event that the arrow misses the intended target. When hunting, absolutely and clearly identify game animals before shooting to ensure that identification is correct. Moving hunters, hunters using game calls and hunters dressed in camouflage have been mistaken for game by careless and unsafe individuals.
5. Use proper arrows that meet the Kodabow specifications for the crossbow and only shoot arrows from the crossbow.
6. If the crossbow fails to fire or malfunctions in any manner, handle with care and promptly seek repair or guidance from Kodabow.
7. Wear eye protection and gloves when shooting for a safer shooting experience. Debris from targets, the ground or other impact surfaces can fly back at the shooter. In the unlikely event of string failure or other crossbow problems, eye protection can prevent injury.
8. Be sure the limb path and string pathway are both 100% clear before shooting. Limbs and crossbow strings move with high force and can cause injury or crossbow damage upon impact to body parts or physical objects.

⚠ DANGER - Keep entire hand on the grip and out of the string path at all times. If you allow your hand, fingers, thumbs or any body part to enter the pathway of the string or limbs when shooting, serious injury will occur.

Completely remove the Cocking Aid from the crossbow before attempting to shoot.

9. Do not alter or modify your crossbow. Use Kodabow approved sound dampening devices such as the Kodabow Limp Dampeners. Other sound reduction devices which can alter string the string path or limb movement. This may damage the crossbow. Small rubber string silencers which attach to the bow string to attenuate noise are acceptable. Do not use your crossbow if it is not in proper working order or has been damaged in any way. Follow the maintenance and operating instructions in this manual.
10. Learn the mechanical and handling characteristics of the crossbow before use.
11. Do not carry your crossbow when ascending or descending from an elevated stand.
Hoist and lower your crossbow in a UNLOADED condition using a rope.
12. When using a Cocking Aid or cocking a crossbow manually with your hands, do not allow the string to slip and thereby create a "DRY-FIRE" condition. A DRY-FIRE is the unexpected release of the string without an arrow in place and subjects the limbs and bowstring to excessive force as they travel freely without load. This is extremely dangerous and can cause injury, damage the crossbow and void the Warranty.
13. Do not attempt to change your string or limbs without a complete understanding of the required procedures as outlined in this manual.
14. Do not cock your crossbow until you are ready to load the crossbow. Loading the crossbow is defined as placing an arrow on the crossbow rail.
15. Do not move the SAFETY LEVER from the "SAFE" position to the "FIRE" position until you are ready to shoot and have clearly identified your target.
When cocking the crossbow, the SAFETY LEVER must initially be in the "FIRE" position. The lever will automatically move to the "SAFE" position when the crossbow is cocked properly.
16. Crossbows are subjected to high forces when firing. Inspect the crossbow for loose, worn, damaged or missing parts before shooting and periodically when shooting. Ensure that all fasteners, screws and bolts are tight by periodically inspecting your crossbow when shooting.
17. INSPECT ARROWS. Inspect and flex each arrow for damage prior to every shot. SHOOTING DAMAGED CARBON FIBER ARROWS CAN RESULT IN ARROW FAILURE AND POSSIBLE INJURY.

Warranty

Save this Manual for future reference. After reading this Manual, return the enclosed Warranty Card to activate the Kodabow Limited Lifetime Operational Warranty. The Warranty is included with your crossbow and this Instruction Manual. If you have any questions, please contact your dealer or contact Kodabow directly at www.Kodabow.com or in the United States at 610.620.4352.

Only after you have completed reading the Manual in its entirety and understand all safety warnings and operational procedures should you handle, assemble and shoot your crossbow.

You should not return this product to your retailer for credit if you have a warranty claim. See the Warranty procedures enclosed with your crossbow.

Kodabow Inc. will not be responsible for repairs caused by misuse or abuse!

Read this instruction manual carefully and if questions exist, please contact either your dealer or Kodabow Inc. Repairs inside your trigger unit must be performed at the factory only. If repairs are necessary, return the crossbow after receiving a Return Authorization to:

U.S.A.
Kodabow
Distribution Center
1045 Andrew Drive C-2
West Chester, PA 19380
Telephone: (610) 620-4352
Web Site: www.Kodabow.com

With safe use, we are confident your new crossbow will bring you years of trouble free enjoyment and enhance your hunting experience. Without proper knowledge and instruction, you could damage your crossbow or cause injury to yourself or others. After you have read this Manual thoroughly and understand it completely, return your warranty card and save this Manual for future reference.



Initial Limb Assembly

ASSEMBLY INSTRUCTIONS

Every Kodabow ships with a (1) Manual Cocking Rope with rear butt stock adapter, (2) Destringing Aid, and (3) Allen wrench tool kit.

Your Kodabow crossbow is delivered partially assembled in 2 major component pieces. To complete assembly, you must attach the front riser and limbs to the trigger group/rail assembly. This requires 2 fastener bolts which are shipped with your limb assembly. Your Kodabow is shipped with the string properly installed on the limbs and limb pockets.

1. Remove the 2 screws on the limb assembly with the proper Allen wrench.
2. Carefully slide the keyed riser in place by inserting the front lug of the limb assembly onto the rail and trigger group assembly and then press down with both thumbs to seat the two assemblies. This is also a good time to drop the EL-2 sling loop in place centered in the machined notch opening of the limb assembly.
3. This is a precision fit. Do not rush the assembly process and damage the components. For full and proper seating, "bumping" the components into place with your hand may be required.

This tight tolerance fit is a Kodabow design feature. This allows for front end removal for travel but allows for "same impact point" accuracy upon reassembly. Placing a small amount of oil on the inside of the limb assembly will assist in assembly.

If you do not intend to travel or to disassemble your crossbow frequently, it is optional to apply a small amount of thread locking sealant (Loctite type) to prevent the two front fasteners from vibrating loose. Use "low to medium strength" thread sealant. Check these fasteners frequently.

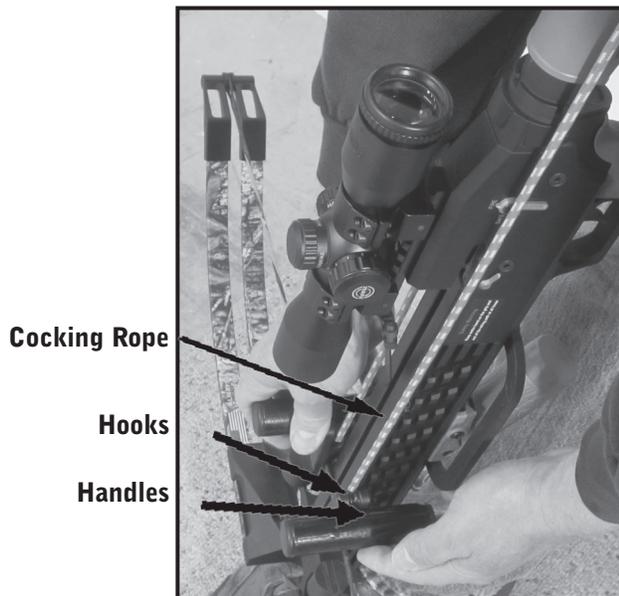
4. Tighten the 2 fastener screws using the Allen wrench provided until the riser and rail make contact and then turn at least an additional 1/4 turn for a tight and secure fit. During shooting, periodically check that all fasteners are tight and secure and have not become loose due to vibration.

DO NOT OVERTIGHTEN

Over tightening the screws can strip the mating holes. Stripped holes are NOT covered under the warranty. Over tightening is not necessary. Do not over tighten bolts during assembly or when checking your crossbow for loose bolts or loose parts.

COCKING THE CROSSBOW

A Manual Rope Cocking Aid is typically used to cock the crossbow and provide mechanical advantage. Familiarize yourself with the Cocking Aid and how it is configured to properly cock the crossbow. Use the Kodabow approved Rope Cocker that was supplied with your crossbow. Do not use other cocking aids.



Using the Manual Rope Cocking Aid

⚠ CAUTION

Your Kodabow crossbow must be cocked using the following sequence or the crossbow will not cock.

Ensure the crossbow is uncocked and that an arrow or bolt is not in place on the rail and the string is not cocked into the trigger assembly. (Crossbow terminology often uses the words "bolt" and "arrow" interchangeably — this Manual uses the word "arrow")

Step #1 Place foot deep in stirrup.

Step #2 Lower the stock to the 1st position.

Lower the stock all the way by depressing the adjustment lever. Release the adjustment lever and then pull up the stock to the first click.

Step #3 Place Safety Lever in FIRE position.

If you do not position the Safety Lever to "Fire" before cocking, the crossbow will not cock

Step #4 Depress the Anti-Dry Fire Lever while pulling the trigger.

Prior to cocking the bow, this action resets the trigger group to a "ready to cock status" by ensuring the string catch inside the trigger group is at its widest position. You must do this every time prior to cocking the crossbow.

Step #5 Insert Adapter in rear stock.

Place the adapter in the rear stock with the stock adjusted to the 1st adjustable position.

Step #6 Attach Rope Hooks to Bowstring

Attach the 1st cocking hook and then pull up the bowstring by hand to attach the 2nd cocking hook if necessary. By shortening the cocking rope, the total distance required to move the bowstring is reduced. The rope can be further shortened by retying the double overhand knot inside the cocking rope handles.

Step #7 Pull up the Rope Handles and rotate Safety Lever from FIRE to SAFE.

Hold the bow in a vertical position leaning against your leg. Draw the string upwards while your foot is securely placed in the stirrup at the end of the crossbow. All Kodabow crossbows require the string to be moved upwards 14" before the bow will cock. Do not allow the stirrup to slip off of your foot and do not suddenly release the string during the cocking process. Some users choose to cock their crossbow by hand but this is not recommended. We strongly recommend utilizing a Cocking Aid. The Kodabow Cocking Aid is well made and enhances accuracy.

Once the bow is cocked, immediately remove the rope cocker. Do not attempt to shoot the bow with the rope cocker attached or serious injury can occur.



Removing the Cocking Rope

CAUTION

While cocking the crossbow, you must ensure the safety rotates from the "FIRE" position to the "SAFE" position.

Note that Safety Lever has rotated from the "FIRE" to the "SAFE" position during the cocking sequence.

Position the Safety Lever to “FIRE” position before attempting to cock the crossbow. When the crossbow is cocked correctly, the Safety Lever will automatically rotate to “SAFE”.

If the Safety Lever has not automatically rotated to the “SAFE” position, the crossbow is not properly cocked. The user must pull the bow string upwards so that the safety lever rotates to the “SAFE” position.



Safety Lever moves from Fire to Safe

THE CROSSBOW AUTOMATICALLY GOES TO THE “SAFE” POSITION WHEN COCKING AND INDICATES THE BOW IS COCKED PROPERLY.

AFTER THE BOW STRING IS DRAWN BACK, SLOWLY DECREASE MANUAL PRESSURE ON THE COCKING AID TO ENSURE THE BOWSTRING IS BEING HELD BY THE TRIGGER MECHANISM. DO NOT RELEASE THE BOW STRING PREMATURELY OR UNTIL 100% CERTAIN THAT THE TRIGGER GROUP IS HOLDING THE FULL TENSION FROM THE BOWSTRING.

Once the bow is cocked, do not move the safety lever to the “FIRE” position until you are ready to shoot. Always keep a cocked crossbow pointed in a safe direction. Do not leave a cocked crossbow unattended.

STAY CLEAR OF THE BOWSTRING

⚠ DANGER

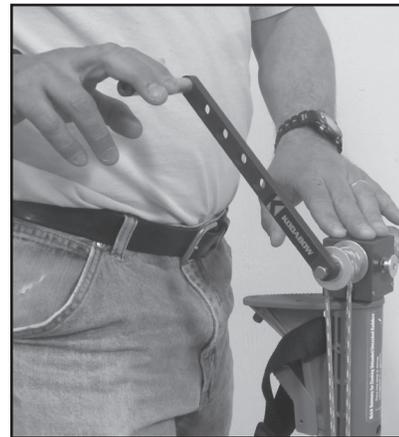
A crossbow can be dangerous if mishandled and can cause serious injury. Never place your hand or any body part in the pathway of the string. The string moves with tremendous kinetic energy and can cause injury.

Keep your fingers, hands, body parts and all objects out of the string pathway at all times.

Practice safe arrow loading procedure by placing an arrow onto the rail from above and forward of the string stops when loading a cocked crossbow.

MECHANICAL CRANK KC-1

For shooters with limited arm strength, a disability or a preference for an easier cocking process compared to manually cocking the crossbow, the KC-1 Koda-Crank is an optional accessory.



Koda Crank works similar to the Manual Cocking Rope

This mechanical crank device works similar to the Manual Cocking Aid and is removed from the crossbow after the crossbow is cocked.

ANTI-DRY FIRE SYSTEM (ADF)

⚠ WARNING

Never “Dry Fire” a Crossbow

Kodabow crossbows have a *Anti-Dry Fire System*. A “Dry Fire” is the unintentional release of the bowstring without an arrow in place on the rail. That doesn’t mean that you can’t create a dry fire situation. Remember the warning to not suddenly release the bowstring during the cocking process by prematurely releasing the cocking rope handles. The Kodabow ADF system means that the cocked crossbow is designed to NOT FIRE unless there is an arrow in place depressing the Anti-Dry Fire Transfer Bar inside the trigger assembly.

When an arrow is placed in a cocked crossbow, the rear of the arrow depresses a rotating bar which allows the firing mechanism to function. There is the Anti-Dry Fire Indicator Lever that shows when an arrow is properly inserted into the crossbow.

When arrow is inserted, the ADF Lever moves downward.

Arrow is in place on the rail and the ADF Lever is in the down position.



Anti Dry Fire Indicator Lever

There are three ADF Lever positions:

- 1. Prior to Cocking: Lever Down - 45 degrees**
- 2. After Cocking the Crossbow: Lever springs to Horizontal**
- 3. After Arrow Insertion: Lever moves Down to - 45 degrees (as shown above)**

This feature is very helpful when hunting. Brush and vines can snag on the broadhead and pull an arrow out of position. When the ADF lever moves up to the horizontal position from the 45° down angle, it is a visual indicator that the arrow needs to be fully reinserted.

⚠ CAUTION — Manually depressing this Indicator Lever on a cocked crossbow allows the user to bypass the Anti-Dry Fire System. If the trigger is pulled while this lever is depressed, the bow string will release which can create a Dry Fire condition.

The Warranty is voided on crossbows which have been dry fired.

The ADF lever should only be activated in 2 situations.

1. Releasing the Destraining Aid after changing or adjusting a bow string. (See Destraining Aid under the section entitled “Changing the String”)

2. Releasing the bowstring when using the Accessory Item — Kodabow Decocking Aid. This accessory item allows a hunter to lower the bowstring after a hunt without shooting the crossbow into a target.

This Anti-Dry Fire System protects you and the crossbow and is an extra measure of safety.

⚠ CAUTION

Question: What happens if the trigger is pulled without an arrow on the rail?

If the shooter positions the Safety Lever to “FIRE” and pulls the trigger without an arrow on the rail, there will be an audible “click” as the Anti-Dry Fire System engages and prevents the bow from firing.

In this condition, the bow will not shoot and the Safety and ADF Levers are locked in position and will not move.

If you are unaware of this condition and you do not reset the trigger group, you will be unable to shoot or operate your crossbow.

To reset the trigger and return the bow to a shooting condition, the crossbow must be re-cocked. The Manual Rope Cocking Aid should be reattached and the bowstring pulled upwards a short distance until the Safety Lever rotates from “FIRE” to “SAFE” again and the trigger group is reset.

SHOOTING AND CARING FOR YOUR CROSSBOW

⚠ WARNING

1. Crossbows Vibrate, Parts can wear, and Screws can work loose — Kodabow uses premium thread locking sealant to lock and ensure select fasteners stay secure . Always check your crossbow thoroughly for worn, loose, damaged or missing parts prior to shooting. This will help you avoid malfunctions and possible injury to you, your crossbow, or someone else.
2. Never shoot any projectile in your crossbow other than crossbow arrows designed specifically for use with your crossbow. Kodabow recommends arrows with an overall length of 20 inches and a minimum weight of 350 grains.
3. Always unstring your bow if it is to be exposed to extreme heat, such as in an enclosed automobile or trunk on a hot day. Excessive heat may damage the limbs of your crossbow. For extended storage, it is an acceptable and recommended practice to remove the string to relax the limbs.
4. Replace the bow string as soon as it shows any significant sign of wear. Pay particular attention to the serving area at the midpoint of the string where the string engages the trigger release. Use a bowstring wax and pay constant attention to maintaining a light wax coating on the

center string serving to prolong the life of the string. Rail lubricants can be helpful but are not required on Kodabow crossbows. Kodabow crossbows have a “hard” surface coating and rail lubricants will not harm your crossbow but have not demonstrated any benefits in testing.

Wax your entire bowstring periodically with Silicone Bow Wax for weatherproofing and protection.

5. 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 and damaged arrows could break causing possible injury to your crossbow, observers or the shooter. Kodabow recommends you flex your arrows prior to each use.
6. If you are carrying hunting broadheads, carry them in such a way that the sharp edges do not cause a threat to the shooter. Be sure they are covered completely. Use the Kodabow quiver.
7. Never place any part of your body into the path of the string or limb travel area when your crossbow is cocked. Be sure that your fingers and thumb are below the crossbow rail deck before every shot. Observe limb travel path before shooting. In the excitement of the hunt or because of momentary distractions, the shooter may neglect to see an obstruction such as a tree or other object that the limbs may strike when the crossbow is fired. This may result in serious damage to the shooter, observers and the crossbow.
8. Visually inspect the crossbow and check all fasteners to be sure they are tight. Get in the habit of a quick visual inspection before each hunting trip or shooting period. Ensure optics are mounted securely and there is no movement.
9. Do not shoot the crossbow without grips installed. Always use grips on the forearm rail to prevent hands or fingers from entering the string path when firing the crossbow. Ensure your hands are on the grips and away from the string path before firing.
10. Kodabow crossbows can also be configured with “after market” accessories such as alternative grips, sound dampeners, bipods, flashlights or lasers (where legal). In any different forearm configuration, the user must ensure that hands are fully on the grips and all body parts are clear of the string path before firing the crossbow or serious injury may result.
11. Additional sound reduction can be achieved by small rubber type string silencers placed on the bowstring approximately 4” from the limb tip. These devices can result in lower arrow speeds. (4 – 7 feet per second) and are highly recommended as the primary sound reduction accessory.

Most users will find that the Kodabow sound signature is very acceptable without additional dampening devices. If limb dampeners are desired, use Kodabow approved limb dampeners for best results. Other types of non-approved limb dampeners may negatively affect bow performance, accuracy or cause limb damage.

ARROW CONFIGURATION

Your crossbow is designed to use 20” long high quality carbon or aluminum arrows with Flat Nocks. Do not shoot any other nock configuration in your Kodabow. SHOOT FLAT NOCK ARROWS ONLY. Premium Kodabow Magnum .338 Arrows supplied with Kodabow crossbow accessory packages are tough and accurate. They are the best arrows to maximize your crossbow performance.

Key specifications are:

Flat Aluminum Nock

22/64” Carbon or Aluminum Arrows (standard crossbow arrow diameter)

Plastic Vanes — Three 4” Vanes with slight 1.5° offset fletch

Brass Inserts - 110 grain (must be glued at front of arrow)

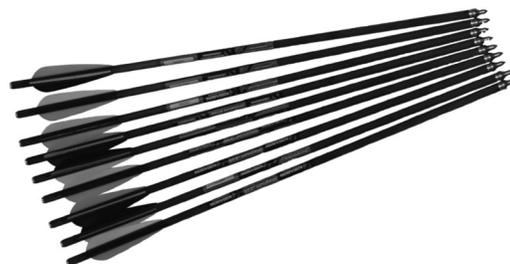
100 grain or 125 grain Field Tips or Broadheads

(Some recommendations for arrow weight to achieve optimal combinations of speed, Kinetic Energy, accuracy and performance are as follows:

<u>Limb Weight</u>	<u>Arrow and Tip Recommendation</u>	<u>Arrow Weight (grains)</u>
125 Lb	100 gr. or higher	405
155 Lb limbs	100 gr.	405
185 Lb limbs	100 gr. or higher	405
200 Lb limbs	100 gr. or higher	405 - 435 or higher
225 Lb limbs	100 gr. or higher	405 - 435 or higher

Kodabow Magnum .338 arrows have a high FOC (Forward of Center) %.

Approximately 18% of the arrow weight is forward of the midpoint of the arrow which provides optimal accuracy.



ARROW SAFETY INFORMATION

⚠ WARNING : INSPECT EACH ARROW FOR DAMAGE PRIOR TO EVERY SHOT. Proper care of carbon arrows can ensure years of quality performance. However, shafts can be damaged. To inspect an arrow, grasp it in both hands and flex it away from yourself and others while visibly and audibly checking for splinters, cracks or nicks. Rotate and repeat this inspection process four to five times around the entire circumference of the shaft. If you find an arrow to be damaged in any way, discard it immediately.

⚠ DANGER:

SHOOTING DAMAGED CARBON ARROWS CAN RESULT IN ARROW FAILURE AND POSSIBLE INJURY.

CUTTING CARBON ARROWS : Cut carbon arrows using a high speed cut off saw only. Use of any other type of saw may cause damage to the arrow. Make sure the ends of the arrow are cut off square to ensure the concentricity of your components.

ARROW ASSEMBLY

INSTALLING BRASS INSERTS

Brass inserts are placed at the front end of the arrow and are designed to accept screw in field points for target shooting or broadheads for hunting. Kodabow uses 110 grain brass inserts.

- Read warning and first aid instructions on adhesive that is selected.
- Wear safety glasses
- Do not handle inserts by the gluing surfaces as doing so may lead to improper adhesion. Disposable gloves are recommended.
- Do not use hot melt glue on carbon arrows. Never apply heat to a carbon arrow.

Kodabow may supply a ETHYL CYANOACRYLATE type adhesive with arrows. Other types of arrow specific glues or epoxies may be used.

DIRECTIONS: Point tube away from face and body. Insert applicator and apply glue to one surface to be bonded. Press pieces together for 15 seconds. Store adhesive in a cool, dry place.

FOR PROPER USE: Protect clothing and work surfaces and use in a well ventilated area. Point tube away from face and body. Apply glue to the brass insert surface. Do not use fingers. Use nozzle tip.

⚠ WARNING:

Kodabow supplied glue contains ethyl cyanoacrylate. Avoid contact with clothing as can cause burn. For accidental eye contact, flush with water for 15 minutes; get medical attention for eye or internal contact. To remove from skin, soak in acetone

nail polish remover and gently peel adhesive off with fingernail; water exposure will wear off residual adhesive within a few days (do not use polish remover around eye area). **KEEP OUT OF THE REACH OF CHILDREN.**

Installation Steps

- 1- Clean inside of the shaft to a depth of 1" with clean water on a cotton tipped swab to remove debris. Allow to dry.
- 2- Apply adhesive to insert using three generous lines evenly spread lengthwise along the flats of the insert.
- 3- Install insert into shaft and rotate slowly one full turn while doing so.
- 4- With a clean cloth, immediately wipe off any excess glue from the shaft and insert.
- 5- Allow 24 hours for adhesive to cure before shooting. Shooting before adhesive has fully cured could result in loss of inserts.

Tip: A field point can be used as a handle to help with the installation of an insert.

INSTALLING ALUMINUM REAR NOCKS

Repeat the process using the same procedure used for installing inserts. Less adhesive is required on rear nocks — one line of adhesive is adequate.

The rear threaded nock is designed to accept small threaded weights and this feature is not used or required on Kodabow arrows.

USING LED OR "LIGHTED" NOCKS

If you intend on shooting lighted rear LED type nocks (like Lumenoks), note that these are inserted into the rear of the arrow with a "press fit" and are not glued in place. They must be purchased based on the specific brand of arrow used because the I.D. (internal diameter) of different brands of arrows differs. Kodabow Magnum .338 arrows have an internal diameter of .301". We have extensive experience shooting the Lumenok brand LED nocks without any issues so we recommend that brand. As with all Kodabow arrows, the rear nock must be a FLAT NOCK.

TARGET ADVICE

Crossbow arrows arrive at a target with considerable force and will show deep penetration. A bag target is best for field point use since it allows for easy arrow removal. The dense material is not likely to leave residue on the arrow or "grab" the field point and insert causing the insert and field point to become lost inside the target.

A bag target is not suitable for broadhead use since broadheads becomes entangled in the fibrous filler. For testing the ballistic performance of broadheads especially fixed blade broadheads

which will typically fly differently than field points, a foam target is recommended. Dense foam can leave residue on the arrow because of the high speed crossbow arrow impact and heat generated by friction. Arrow inserts are more commonly lost in foam targets and arrow extraction can be more difficult. Foam targets that have seen prior use are preferred over new targets to better preserve arrows and broadheads.

If possible, use a bag target for field point practice and a separate foam target for broadhead use and testing.

CHANGING THE STRING

⚠ CAUTION

1. The Kodabow crossbow requires the use of a Destraining Aid to manually change the string on the crossbow or make string adjustments for brace height by twisting the string so that the string contacts the 1" string stops with light tension.
2. The Destraining Aid consists of a length of rope with specially designed hooks on each end that engage the limb tips. When the Destraining Aid is pulled upwards and cocked into the trigger assembly using the standard cocking procedure (as if the user was cocking the crossbow with the string), the limb tips are pulled slightly back. This allows the crossbow string to relax and become loose as the Destraining Aid holds the limbs in position. Because the limbs will only be moved a small distance, some shooters will lift the Destraining Aid into the trigger group by hand. If that procedure is difficult, the Manual Rope Cocking Aid can be used to pull the Destraining Aid into the trigger group.

Kodabow String Specification

Kodabow Part Number: BOWSTRING001

Length - 34" Material - D-75, 36 Strand Color - Orange/Black or Brown/Black

3. With the Destraining Aid in place, the user can loosen and remove the 2 shoulder bolts that hold the string on the limb tips and replace the string using an Allen wrench which is provided. The loop ends of the bowstring fit around composite string eyelets. The user can also add twists or decrease the twists in a bowstring to ensure the bowstring is the correct length and adjusted so that the bowstring rests lightly on the 1" rubber string stops.

Destraining Aid Hooks have been placed in the limb ends with "hooks up" as shown.

Destraining Aid is pulled up either (1) by hand or (2) by using the Manual Rope Cocking Aid until the Destringer Rope is pulled into the trigger group assembly and cocked. With the limbs pulled back slightly, the bowstring loses tension.



Destraining Aid in Use

Bowstring is "limp" and can be changed or twists added.

4. With the new bowstring installed, the Destraining Aid can be lowered by buffering the Destraining Aid by hand or by using the Manual Rope Cocking Aid to apply a slight load with one hand. While depressing the ADF lever and simultaneously pulling the trigger, the Destraining Aid will be released from the trigger group. Lower the limbs slowly by pulling the trigger as illustrated. As the Destraining Aid is released, the tension on the crossbow string will increase.

The Destraining Aid hooks are then removed and the crossbow string can be checked for proper distance from the rubber string stops.

If the string needs shortened, repeat the procedure and put a few twists in the crossbow string. If the string needs lengthened, repeat the procedure and take a few twists out of the crossbow string.

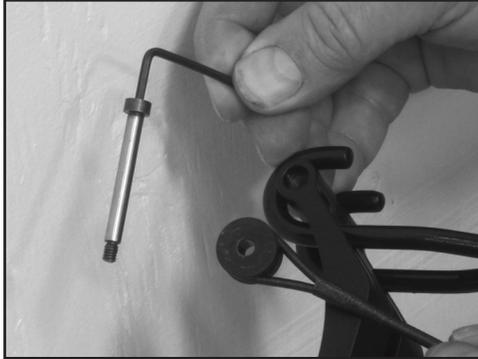
⚠ WARNING

There must be no pressure or load on the bowstring when removing the bowstring.

Allen wrench in use removing the limb end bolt.

Note string eyelet in loop end and relaxed bow string.

Destraining Aid hook in place.



Removing Limb End Bolt for String Change or Adjustment



Lowering the Destraining Aid after changing the Bowstring

After string change or adding twists to the string, the Destraining Aid is lowered and removed by applying upwards pressure on the Destraining Aid rope with a Cocking Aid or by hand.

Depress the Anti-Dry Fire Indicator Lever to bypass the Anti Dry Fire System while simultaneously pulling the trigger to release the Destraining Aid.

This prevents a “mini” dry fire.

As the Destraining Aid loses tension, the bowstring will become tight.

LOADING AND UNCOCKING YOUR CROSSBOW

LOADING

⚠ CAUTION

Before loading an arrow on the rail, ensure the SAFETY LEVER is fully in the “SAFE” position.

When you are ready to shoot, place an arrow onto the rail with the selected “index vane color” down into the groove in the rail. With a FLAT NOCK ARROW, the arrow can be placed on the rail in 3 different positions. Select one vane color initially to decrease variation. Slide the arrow backwards towards the string and into the trigger housing area until the rear of the arrow depresses the Anti-Dry Fire mechanism and the external ADF lever drops from the horizontal position to a 45° down position. The flat nock at the end of the arrow should be touching the string. The “arrow hold down” mounted forward of the trigger and the Anti-Dry Fire mechanism will hold the arrow in position securely.

⚠ WARNING — The crossbow is now loaded and safe handling of the crossbow is mandatory. Do not point the crossbow at anything you do not intend to shoot. If you are not in a shooting or hunting situation, immediately remove the arrow from the bow. Never leave the crossbow unattended when cocked with or without an arrow loaded.

UNLOADING and UNCOCKING

Unload your crossbow by removing the arrow and returning it to your quiver.

⚠ CAUTION

There are 4 ways to return a cocked crossbow to an “uncocked” status.

- (1) Shoot an arrow at a game animal during a hunt.
- (2) Shoot an arrow into a target.
- (3) Shoot an arrow into the ground.
- (4) Use the Kodabow “Decocking Aid” Accessory Item to manually lower your bowstring. Specific instructions are provided with this accessory item at the time of purchase.

When using a target, ensure it is suitable for crossbow arrow speeds. When shooting an arrow into soft ground, ensure that the area is free of rocks, stones and debris using an arrow that kept for this purpose. Shoot at an area at least 10 feet away so that no debris is deflected to the shooter. Discharging an arrow using these controlled methods is a safe way to decock your crossbow.

Do not climb an elevated stand with a cocked crossbow. Cock the crossbow at the base of your stand and then climb your stand. Hoist the crossbow to you with a rope. Load an arrow into the bow when you are ready to hunt.

When leaving your hunting position, remove the arrow and lower the crossbow with a rope to the ground. Exit the stand. Always keep the crossbow SAFETY LEVER in the "SAFE" position at all times until you are ready to shoot.

DECOCKING - DECOCKING ROPE ACCESSORY

⚠ CAUTION

1. Remove Arrow before starting. This unit is for Kodabow Crossbows ONLY.
2. Slip loop over Pistol Grip, attach hook to bowstring on the right side and take a strain with the rope and handle angled 45 degrees away from the crossbow stock. Do not place right hand (holding the black decocking handle) near the stock when pulling the trigger in Step #3 or the hand will be pulled into the stock.

Keep your right hand away from the stock at a 45 degree angle. Before proceeding to Step #3, pull the handle upwards with full strength.

3. Depress Anti-Dry Fire (ADF) Lever with one finger and while holding Lever down, pull the trigger on the left side with a second finger. BE READY. Lower the crossbow string with your right hand.

If you pull the trigger, before depressing the ADF lever, the ADF system will prevent the crossbow string from being released. (You will need to reattach the rope cocker and rotate the SAFETY LEVER back to SAFE, and then start again at Step #2)

4. BE READY for a SHARP and QUICK movement of the bowstring at the initial release of the bowstring for about 1"-3". Ensure the grip on the handle is tight and take a strain before pulling the trigger.

This picture shows

- (1) the decocking rope handle held away from the crossbow,
- (2) the safety in FIRE position
- (3) the ADF lever being depressed
- (4) and the shooter ready to pull the trigger and lower the crossbow string.



The final step is to always ensure that the decocking handle is being held firmly and then pull the trigger with the middle finger on the right hand.

⚠ WARNING — Substantial force is released. Handle must be under strain at trigger pull. Don't use this device if you do not have sufficient strength to lower the string or injury may result. Practice by raising string up the rail to gauge force using an uncocked crossbow.

USING CROSSBOW OPTICS

Your Kodabow will be delivered from the factory with the scope installed (unless a crossbow without optics was ordered.) A factory installed scope will save you time and assist you in getting on target more quickly. Kodabow shoots and sights in all crossbows prior to shipment.

1. Take your initial shots at close range. 30 feet (10 yards) is a good distance for determining initial shot placement and bow familiarization.
2. Ensure you have a proper backstop in the event that you overshoot the target. Ensure your target is designed to stop high velocity arrows and that your arrows will not pass through the target or that penetration will not damage the vanes of the arrow shaft.
3. Adjust the stock and become familiar with the optics before cocking the crossbow.

When ready and with the bow aimed at the target, place an arrow onto a cocked crossbow and move the SAFETY LEVER from "SAFE" to "FIRE".

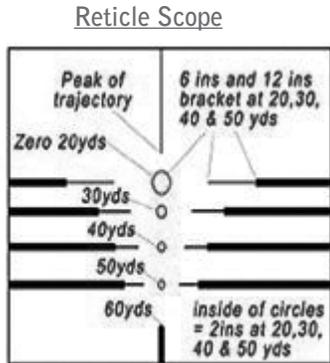
Keep your finger alongside the trigger guard until you are fully ready to release the arrow. Move your finger to the trigger and pull the trigger smoothly by slowly increasing pressure.

⚠ WARNING — Ensure your fingers, hand, thumb and any foreign objects are not in the path of the string when the string is released.

This SAFETY WARNING cannot be stressed enough especially with new crossbow shooters. Any hand position in the string pathway can cause SERIOUS INJURY.

4. Shoot several arrows to determine arrow impact. We recommend that several different target aim points be selected so that arrows do not impact one another downrange on the target and get damaged. Kodabow crossbows are highly accurate and you will hit previously fired arrows already in the target if you maintain the same aim point.

- Adjust the optical sight according to the manufacturer's directions which are included with the shipment of your crossbow. Kodabow crossbows are equipped with 3x magnification glass etched reticle scopes. The sight picture appears as:



Typical aim points for a Bravo Zulu

When viewing the target through the scope, use the "higher" circle for closer targets. As distances to the target increase and are farther away from the shooter, use the "lower" aiming points in the optics which compensates for the distance and maintains the arrow impact point on the desired target. This results in raising the bow when using the lower optical aim point within the scope.

- We recommend shooting at distances of 20 yards, 30 yards and 40 yards to understand the different impact points over distance.

Actual ballistic performance will change based on different arrow weights and limb weights.

The most popular Kodabow hunting models are the Koda-Express (185 lb) and the Bravo Zulu (200 lb). Using Kodabow Magnum .338 arrows with 100 grain heads, the Bravo Zulu will shoot the sight picture very closely to the chart shown. For the Koda-Express, we suggest sighting in 1" high at 20 yards to achieve similar ballistic performance at 30, 40 and 50 yards.

EL-2 SLING
EXTENDED LENGTH
SLING 2 POINT CARRY
SLING

For right handed use, the 1 ¼" carry sling is routed over the left shoulder and the crossbow weight is distributed across the back. The carry sling is routed underneath the right arm to the



rear stock. The crossbow is easily controlled with one hand on the pistol trigger grip while moving.

This is an "easy carry" method. In accordance with all safety guidelines as outlined in the Instruction Manual, the crossbow can be safely carried in a cocked and loaded position for long periods while providing quick and immediate access for shooting.



The Kodabow EL2 Sling is useful for "stalking" and "still hunting." The EL2 Sling can free up both hands for binocular or rangefinder use.

When the crossbow is lifted to a shooting position, the carry sling drops down and away.

Fast offhand shooting is possible with the Kodabow EL2.

7 POSITION GRIP AND RAIL ACCESSORIES

Kodabow uses an adjustable foregrip on many models. To adjust this grip to different positions, fully depress the spring loaded screw on the left side of the grip to rotate the grip to different positions.

This grip requires moderate force to fully depress the spring to permit disengagement. To access the storage area inside the grip, unscrew the cap located on the bottom of the grip in a counterclockwise direction.

The Kodabow rail system allows for easy installation of various accessories like bipods, monopods, flashlight holders and alternate grip options like a palm swell ergonomic grip if desired.

MAINTENANCE

1. Wax your entire bowstring frequently and lightly wax the center serving every 5-6 shots to prolong the life of the bowstring. Application of Kodabow Silicone Wax to the center serving of the string will greatly lengthen the life expectancy of your crossbow string. The greatest wear area on a Kodabow crossbow string is in the string release area. With periodic wax treatment, your Kodabow crossbow string life can significantly be extended.
2. After using the crossbow in wet conditions, wipe down the exterior metal surfaces. We recommend WD-40. Pay particular attention to the bolts and fasteners which are black oxide coated and will slightly discolor when exposed to heavy moisture. WD-40 will restore these fasteners to their black coloration.
4. If you believe debris has entered the trigger mechanism, use moderate pressure air to blow out any debris that may have collected inside the trigger system. Kodabow triggers are designed to allow dirt and other debris to pass through the mechanism and fall away.

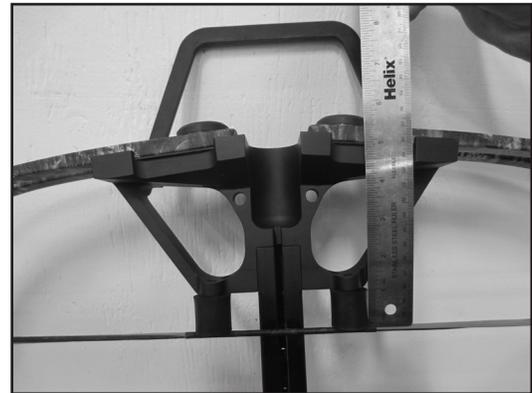
⚠ WARNING — If there is debris or solid matter such as sticks, stones, leaves within the trigger system, the crossbow may not operate as designed and could present a hazardous situation. If the safety does not engage or move, the safety lever does not rotate to SAFE when cocked, the Anti-Dry Transfer Bar does not move, the crossbow does not cock or if any other unusual operating condition is observed, immediately cease using the crossbow and contact Kodabow for trigger servicing or repair.

5. The Kodabow trigger system has been pre-lubricated at the factory and will function properly for years without additional lubrication. In the event that lubrication is desired use only a high grade, 100% light oil lubricant and spray a minimal amount of light oil into the internal trigger parts. Do not use "dry type" spray lubes or any lubricant that contains particulates.

If your trigger has been subjected to extremely adverse conditions such as full submersion or extreme sand or dirt environments, return the trigger group to Kodabow for inspection and factory lubrication.

6. Kodabow crossbows use stainless steel and aluminum parts and are highly corrosion resistant. Fasteners and bolts are black oxide coated steel and will show surface discoloration if not periodically treated with a light coating of oil or WD-40. Treat the surface of all fasteners with oil or WD-40 to prevent discoloration.
7. Periodically inspect all fasteners to be sure that they have not vibrated loose from firing, especially those holding limbs, front limb assembly rail and scope mounts.

The string should be adjusted so that it rests on the 1" rubber string stops with very light tension. Following installation, anticipate a new crossbow string to lengthen slightly after shooting as the string stretches into position.



Measuring the String to String Stop Distance

The bowstring should "touch" the 1" rubber stop with light pressure. This picture depicts 1" rubber stops with the crossbow string properly adjusted.

Add or subtract twists in the string to adjust proper position.

If you will not be using your crossbow for an extended period, we recommend that you remove the string from the tension position by using the Destraining Aid to disconnect one end of the bowstring. Store the bow in a "relaxed" position.

8. Inspect the Arrow Hold Down. This leaf spring retains the arrow in place on the rail and ensures optimal energy transfer when the string is released. Ensure that the Hold Down is applying very slight pressure to the arrow shaft. If more pressure or less pressure is required, the spring can be manually bent and adjusted to position.

***** This concludes the Instruction Manual *****

If you have any questions, please contact Kodabow directly and we will be pleased to assist you.

Limited Lifetime Operational Warranty

Kodabow Inc. warrants its crossbows against defects arising from defects in materials or faulty workmanship for the lifetime of the original purchaser (legally restricted to 10 years in Europe) subject to the terms and conditions outlined below. Kodabow Inc. reserves the right to charge for warranty repairs if the warranty has not been activated.

1. This warranty is limited to the original purchaser and is not transferable. The purchaser must activate the warranty by completing and mailing the warranty card included with the crossbow within 15 days of the purchase date to establish all warranty rights between the original purchaser and Kodabow Inc.
2. The warranty is void if the Instruction Manual has not been followed or if there has been an attempt to alter, dismantle, or change the standard specifications of the crossbow from its original state.
3. Warranty obligation is limited to the repair or replacement of the defective part or parts returned to Kodabow Inc. determined by Kodabow Inc. to adversely affect the operation of the crossbow.
4. All crossbow strings are excluded from this warranty. Kodabow limbs are warranted against defects in workmanship and material for 5 years from the date of purchase to the original purchaser .
5. In states where permitted, we assume no liability for incidental or consequential damage or for incidental expenses.
6. This warranty is void if the crossbow has been abused, used incorrectly or taken apart by any other party except Kodabow Inc.
7. The warranty does not cover normal wear and tear or damage resulting from abuse or neglect. This warranty is void if damage is caused by dry-firing the crossbow or using underweight arrows which are arrows lighter than those recommended in the Instruction Manual.
8. This warranty is void for any crossbow rented, loaned, to others by a retailer, wholesaler or shooting range operator, or any other commercial business organization, whether or not a fee is charged for use.
9. No warranties are made or authorized to be made other than those expressly contained herein.
10. To file a claim under this warranty, please contact the Customer Service Group at Kodabow Inc. at (610) 620-4352 to obtain a Return Authorization Number. When shipping the crossbow to Kodabow, mark the Return Authorization Number on the outside of the package and enclose inside the package a written explanation describing the claim, your name, address, and phone number. Failure to include a Return Authorization Number on the package may result in delays for repair & service or failure to accept the shipment at time of delivery. All shipments should be adequately insured and shipped prepaid direct using USPS, UPS or Fedex to Kodabow Distribution Center, 1045 Andrew Drive C-2, West Chester, PA 19380. Kodabow will return the warranted product at Kodabow expense.

