



BARNETT™

— EST. 1962 —

WHITETAIL™
SHUNTERS

OWNER'S MANUAL



GET AFTER IT™

Please follow all safety, assembly and troubleshooting instructions contained in this manual. It is extremely important to read and follow the instructions before attempting to use your crossbow. If for any reason the bow is lent or sold to another, it is the purchaser's responsibility to transfer all safety instructions to the current user or owner.

⚠ WARNING

Crossbows can be dangerous and potentially fatal when mishandled. Safe use of your Barnett crossbow is your personal responsibility and failure to follow all of the safety rules and Instructions in this owner's manual may result in severe personal injury or death.

Serious injury to yourself or others, damage to your crossbow or poor performance from your crossbow could result from failure to thoroughly read and understand these instructions. If any part of this manual is unclear, contact the service department at 1-800-237-4507. After complete assembly of your crossbow, please keep manual for future reference. As with any high performance equipment, meticulous care and a regular maintenance schedule must be maintained.

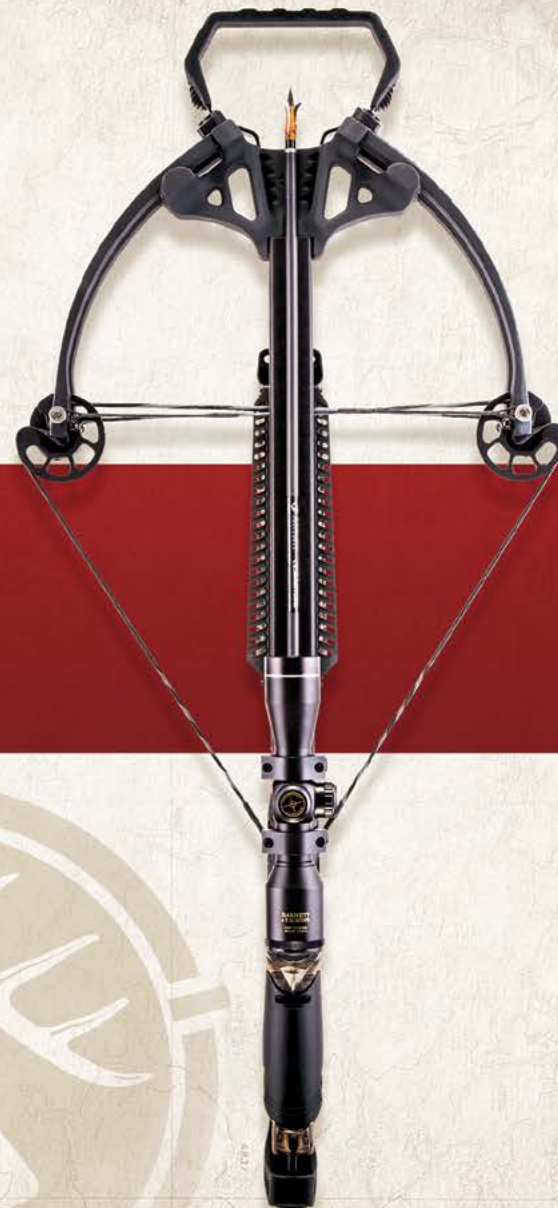
U.S. Patents 9,255,755; D716,398; D716,399; D716,400; D716,401; D716,402; D718,404; D718,830; D718,831. Additional Patents Pending.

WHITETAIL™

HUNTER

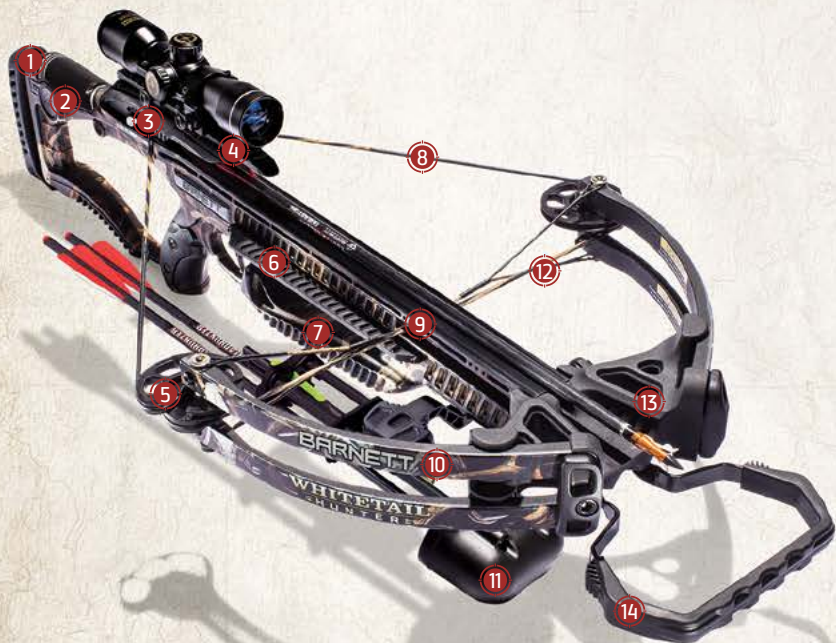
TABLE OF CONTENTS

Crossbow Breakdown	6
Product Specifications	7
Package Contents	7
Warnings & Safety Guidelines	8
Assembly Guide	10
Crossbow Operations	13
Equipment Selection	16
Care & Maintenance	18
Troubleshooting	18
Warranty/Registration Information	20
North American Crossbow Federation Membership	21
Notes	23



CROSSBOW BREAKDOWN

- | | |
|---------------------------|----------------|
| ① Butt Pad | ⑧ String |
| ② Crank Cover Plate | ⑨ Flight Track |
| ③ Safety Mechanism | ⑩ Limbs |
| ④ Arrow Retainer | ⑪ Quiver |
| ⑤ Cams | ⑫ Cables |
| ⑥ Finger Safety Reminders | ⑬ Riser |
| ⑦ Foregrip | ⑭ Foot Stirrup |



Shown with optional accessories (i.e. scope, quiver, arrows, etc.).

PRODUCT SPECIFICATIONS

Feet Per Second	340
Power Stroke	12.5"
Arrow Length	20"
Draw Weight	160 LBS
Physical Weight	6.2 LBS
Overall Width	18"
Overall Length	34.25"
String Length	32"
Cable Length	17125"
Number of Strands	28
Tan/Black String Stock Number	78018
Tan/Black Cables Stock Number	78001

PACKAGE CONTENTS

Take a moment to organize the following items included with your crossbow package. If any of the parts are missing or damaged, please contact our sales department at 1-800-237-4507.

- | | |
|-----------------------------------|--|
| 1 Whitetail Hunter Stock Assembly | 1 Rope Cocking Device |
| 1 Whitetail Hunter Riser Assembly | 2 Crank Cocking Device Installation Screws |
| 1 Premium Quiver Package | 1 4 x 32 MM Scope |
| 1 Foot Stirrup | 1 Nose Bolt |
| 1 Foot Stirrup Parts Package | 1 Lock Washer |
| 3 20" HeadHunter™ Arrows | 4 Hex Keys (1/8", 3/16", 5/32", 5/64") |
| 3 Field Points | 1 String & Cable Lubrication Wax |

WARNINGS

WARNING

Extreme caution should be used at all times when handling a crossbow. Failure to follow these instructions may result in damage to your bow and/or personal injury.

WARNING



KEEP FINGERS AND THUMBS CLEAR OF THE CROSSBOW RAIL AND BOW STRING.

Never place any objects or limbs in the way of the string to avoid serious personal injury, including thumb or finger amputation, and equipment damage.

WARNING

Never dry fire your crossbow. Doing so will void your warranty, and could result in serious injury to you or others, as well as damage to the crossbow. Dry firing means firing the crossbow without a recommended arrow properly loaded into the crossbow receiver. Should a dry fire occur, your crossbow must be completely inspected by a qualified technician for damage to its components before any further use.

SAFETY GUIDELINES

WARNING

Barnett crossbows are equipped with an automatic anti-dry fire safety mechanism, which engages every time the crossbow is cocked. An arrow must be loaded into the flight track to release the safety and the safety must be disengaged or in the "off/fire" position before each shot. This, as with any other mechanical device, does not guarantee total safety, as no safety device is a substitute for common sense and safe handling. The crossbow trigger is only to be pulled when the safety is in the "off" position and never when it is in the "on" position or anywhere between "on" and "off". Do not attempt to alter or modify the safety or trigger mechanism.

Keep these safety guidelines in mind during operation and maintenance:

- Always inspect the crossbow and arrows before firing. Bent or damaged arrows/nocks are not safe to fire and should be discarded or repaired. Never use a damaged arrow or nock.
- Always keep your fingers below the flight track and out of the path of the string and cables when firing the crossbow. The velocity of the string striking your fingers as the string travels forward could cause severe personal injury.
- Never dry fire the crossbow (shoot without a properly loaded arrow) or use incorrect nocks, non-reg nocks, or damaged nocks. Dry firing will void the warranty and can result in damage to the string, cables, and limbs, possibly causing personal injury.
- Never fire the crossbow until you are sure of your target and always use an adequate target and backstop when target shooting.
- Always use crossbow arrows of the proper length which have a half-moon or moon nock classification. Barnett crossbows are only to be used with arrows which have a half-moon or moon nock classification. Never use wooden arrows, under any circumstances. Arrows of improper stiffness or mass weight (under 400 grains) may damage the string, cables, and limbs, voiding the warranty and possibly causing personal injury. Too light of an arrow can cause a dry fire/misfire.
- Always wear safety glasses when assembling, cleaning, cocking, loading, or shooting the crossbow.
- Do not stalk with, transport or carry a loaded crossbow.

ASSEMBLY GUIDE

ATTACHING RISER ASSEMBLY TO STOCK

1. In a seated position, place the butt of the stock on the ground and secure the flight track between your knees.
2. Place cables under the front edge of the flight track into the cable slot - this should cause the string to rest on top of the flight track. (See Fig. A) Note: Reference crossbow breakdown for part clarification. Strings connect cam to cam. Cables connect limbs to cams.
3. Carefully seat the riser into the mounting area on the flight track. Once again, ensure that the cables are properly placed in the fore-end cable track and the string lies above the flight track.
4. Locate the provided nose bolt, lock washer and proper hex key included with your crossbow package. Place lock washer on nose bolt and align holes of riser and stock assemblies. Insert nose bolt through riser and into stock.
5. Tighten nose bolt until lock washer is compressed.



FIG. A

Warning: Do not over-tighten.

Note: It may be helpful to turn the bow around and lean against a hard surface or wall while gently pressing down on the foregrip in order to fasten the nose bolt.

ATTACHING FOOT STIRRUP TO STOCK

1. Turn over the crossbow so that the flight track is facing downward.
2. Locate the two foot stirrup vibration dampeners included in your foot stirrup

parts package. Align holes and place the dampeners with the raised portion down into the proper recessed area in the riser. (See Fig. B)



FIG. B

3. Locate the four #6-32 x 3/8" screws included in your parts package. Align holes and affix the foot stirrup to the riser using the proper hex key.



FIG. C

Note: For ease of installation, insert one side of screws at a time, starting with the lower left. It is recommended to not fully tighten screws until they are all in place.

SCOPE/RED DOT SIGHT INSTALLATION

1. Locate the included scope box and parts package. Remove the scope cover.
2. Shoulder the crossbow in a shooting position and estimate the placement of the scope or sight by placing it on the picatinny rail at the proper eye relief distance. The view through the optics should be clear with a full field of view. Loosen the scope rail mounting screws and place scope or sight on the scope rail. (See Fig. D)

Note: Ensure that the scope rail mounts sit perfectly level on the picatinny scope rail. The adjustable scope ring screws may need to be loosened to ensure the scope rail mounts sit perfectly flat.



FIG. D

3. Mount the scope/sight using a flat head screwdriver to tighten the rail mounting screws to the scope rail.

For red dot sights, skip steps 4-6. Continue steps for scope installation.

4. Evenly loosen the adjustable scope ring screws to fine tune the reticle level and eye relief. Eye relief can be adjusted by moving the scope forward or back as needed.
5. Reticle level can be adjusted by twisting the scope until the lines in the reticle are parallel with the crossbow limbs. Re-tighten all screws evenly when adjusting is finished.
6. Once the scope is mounted and secure, adjust the focus by turning the focus ring left or right until the reticle is clear.

Notice: Do not over-tighten adjustable scope ring screws. Doing so may damage your optics.

Note: Be sure to tighten windage/elevation caps and scope mount rings before shooting crossbow.

SIDE-MOUNTED QUIVER INSTALLATION

Note: The quiver bracket must be installed prior to attaching the quiver and can either be found included with your quiver package or pre-installed on the picatinny rail. The quiver bracket may be installed after the riser assembly is mounted to the stock.

1. Locate the provided quiver and quiver bracket.
2. Slide the quiver bracket over the accessory rail. Note, the quiver bracket arm may be positioned to mount the quiver on either side of the crossbow based on personal preference. Insert quiver bracket screw into the center hole of quiver bracket and secure using the supplied hex key. Align mounting holes on the underside of the quiver bracket with the corresponding mounts on the quiver. Press button located on the side of the quiver bracket arm to compress spring and insert the quiver into the mounting holes.
3. Attach field points to arrow shafts and place in quiver. Note: Ensure that the quiver does not come in contact with the riser assembly or limbs after installation.

EXTENDED BUTT PAD ADJUSTMENT

The butt pad extension is pre-installed from the factory. To adjust it, loosen the screws on the sides at the top and bottom of the stock, then push or pull the pad to desired stock length. Once desired length is achieved, firmly re-tighten screws. (See Fig. E)



CROSSBOW OPERATIONS

COCKING THE CROSSBOW

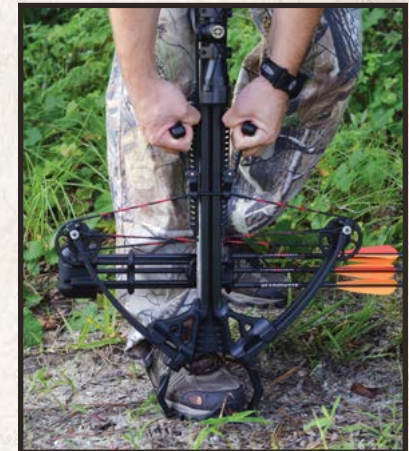
There are two different methods to cock the crossbow, by rope cocking device (preferred method) or installed crank cocking device. Please refer to the instructions included with the optional accessories for further detail and carefully follow those instructions.

Prior to cocking the crossbow, be sure to apply lube wax to your string, cables and flight track.

Proper footwear should always be worn when cocking a crossbow. Bare feet, flip flops, house shoes, socks/stockings or open-toed shoes are not recommended.

Keep these safety guidelines in mind during operation and maintenance:

1. Place the riser on the ground and place one foot securely in the stirrup, resting the stock against your thigh.
2. While holding the rope cocking device in one hand, pull the rope that runs between the rollers back to form a large "U" shape. Loop the center of the rope securely in the groove of the stock behind the scope mount.
3. Place the two hooks of the rope cocking device on the string facing up.



on either side of the power stroke. **WARNING:** Ensure the cocking device is secure on both the stock and the string.

4. Use the ball of your foot to offset the draw weight of the crossbow. Firmly grip the handles of the rope cocking device and pull the crossbow string into the trigger mechanism until an audible "click" is heard and the safety engages. The crossbow is now cocked and the rope cocking device can be removed.

LOADING THE CROSSBOW

Important: Barnett crossbows are only to be used with arrows which have a half-moon or moon nock classification.

⚠ WARNING

Failure to follow these instructions may result in damage to your bow and/or personal injury. Reference pages 8-9 for more safety guidelines.

When loading an arrow onto the flight track, be sure that the odd colored fletching is placed down in the flight groove and that the concave portion of the nock is perfectly parallel to the string. **ALWAYS** make sure the arrow is properly loaded before firing.

Be sure to slide the arrow back fully into the trigger mechanism. Failure to do so may simulate a dry fire.

SOFT-LOK™ FLOATING BRISTLE ARROW RETAINER (U.S. PATENT 9,255,755)

When properly loaded, the arrow should lie flat on the flight track with the odd color fletching facing down in the flight groove. The Soft-Lok™ arrow retainer is self-adjusting for downward pressure; there is no adjustment required. The arrow retainer should only exert enough pressure to hold the arrow in place. Ensure that the tension of the arrow retainer does not lift the front of the arrow off the flight track. Point the crossbow towards the ground and ensure that the arrow will not slide

forward on the flight track. If the arrow retainer is damaged or not exerting enough pressure to retain the arrow, the brush assembly should be replaced.

FIRING & UNLOADING/DECOCKING THE CROSSBOW

⚠ WARNING

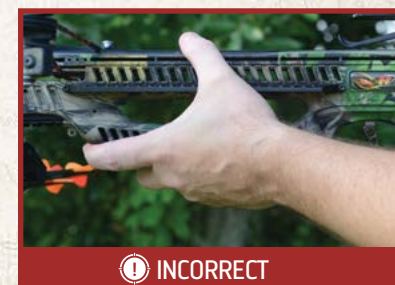
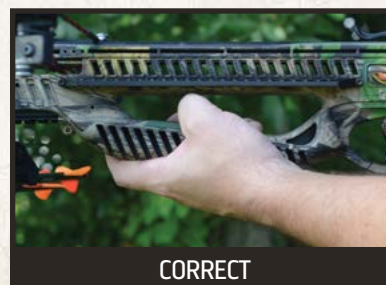
Never allow fingers or thumb to move above the flight track or in the way of the strings. Serious injury, including finger amputation may result.

To fire an arrow from your crossbow:

1. Point the crossbow in a safe direction. Take caution not to target any solid object as the arrow may ricochet, potentially harming you or others.
2. Make sure the arrow retainer has maintained the arrow's fully loaded position into the trigger mechanism.
3. Push the safety forward to the "off" position. Note: The arrow must be fully loaded to disengage the anti-dry fire mechanism.
4. The crossbow will now fire when the trigger is pulled. The safety **MUST** be disengaged in this manner prior to every shot.

⚠ WARNING

Keep your fingers below the stock fore-end (flight track) while shooting. This will prevent your hands from being struck by the string as it travels forward. The velocity of the string hitting your fingers can cause severe injury.





CORRECT



INCORRECT

EQUIPMENT SELECTION

ARROW SELECTION & PROPER FLIGHT

The greatest variable in a crossbow's accuracy is the arrows, as they differ greatly and can have completely different flight characteristics. When practicing with field points, generally speaking, target arrows are more accurate than hunting arrows.

There are many factors to consider when choosing an arrow: speed, kinetic energy, down range penetration, accuracy and potential wear that the arrow weight puts on the bow.

- Heavier arrows carry more energy down range and lighter arrows may be faster, but carry less energy at longer distances.
- **WARNING:** Never use less than 400 grain arrows (this includes a 100 grain field point/broadhead). Lighter arrows can simulate a dry fire condition and will result in damage to the crossbow, voiding the warranty.

Due to the unique design of your Barnett crossbow, it is imperative that only specified arrows are used. Barnett's carbon arrows are correctly "spined" (arrow stiffness) and weighted to absorb the high energy generated by the compound design. Lighter arrows simulate a dry fire condition and will result in damage to the crossbow, voiding the warranty. The minimum recommended arrow weight for Barnett crossbows is 400 grains, which includes a 100 grain field point. We recommend the use of Barnett arrows manufactured specifically for your Barnett crossbow.

IMPORTANT DISCLAIMER & WARNING: Due to the inconsistent properties of wooden shafts (which have a tendency to warp, vary in spine stiffness, density, and moisture absorption - all of which could result in inaccuracy), Barnett does not recommend their use under any circumstance. Possible injury could result from shaft breakage, etc. We accept no responsibility or liability arising from the use of wooden shaft arrows.

CROSSBOW SPEED

The crossbow industry does not have set standards for calculating advertised speeds. Manufacturers use various arrow weights to depict their marketed speeds, anywhere from a 380 grain arrow to a 400 grain arrow.

With over 50 years of experience, Barnett has found that the best performing arrows in all of those categories vary from bow to bow. Included with your bow purchase is the arrow that we feel is weighted for the best performance for your hunting experience. The arrow speeds in the chart below are provided to give you the power of your new Barnett bow in comparison to the other bows on the market.

Arrow Grain	Feet Per Second
380	346
400	340
425	333

BROADHEAD SELECTION

Fixed-blade broadheads used in hunting, due to their large surface area, have a tendency to "plane". To help overcome this, it is recommended to practice well in advance of hunting season with the type of arrows and broadheads that will be used to achieve consistent groupings. Mechanical broadheads that simulate the flight of a field point may be used where legal. The recommended fixed blade broadheads can be any three-blade, low-profile broadheads with a cutting diameter no larger than 1-3/16". Always handle broadheads with extreme care.

CARE & MAINTENANCE

With reasonable care of your equipment and diligent practice, your crossbow will remain an accurate, highly efficient hunting weapon.

EQUIPMENT INSPECTION

Every time the bow is used, perform a complete inspection of cables, cams, screws and arrows before shooting. Never shoot a damaged crossbow or arrow.

Inspect the string and cables for signs of wear. Strings and cables showing wear should be replaced immediately by an authorized service center or the factory before further use.

CARE OF STRING & CABLES

To extend the life of your cables, it is important to apply lube wax to all of the non-served areas of the cables. Apply lube wax every 5-10 shots to the non-served area of the string, or when white fuzz begins to appear. If the crossbow has been exposed to excessive moisture, lube wax may need to be applied more often. Keep the flight track and the string's center serving waxed to reduce friction.

STORAGE

Avoid exposing the crossbow to extreme heat, such as closed, hot vehicles, near heat sources or in cold environments. Always store the crossbow in a safe, dry place.

TROUBLESHOOTING

MY STRING IS NOT CATCHING OR IS JUMPING THE ARROW

Please check that the nock on the arrow has not been damaged. **WARNING:** Do not continue trying to load a damaged arrow into the crossbow as this can cause dry fire. Dry firing can damage your crossbow.

If your string is jumping the arrow, it might be some of the early signs of your string being damaged or broken. In this case, we recommend the strings be changed using Barnett string with a proper strength rating. Contact Barnett's consumer care department for more information about ordering new strings and cables.

MY ARROWS AREN'T FLYING STRAIGHT

Check that your arrow is straight and the fletches (vanes) are not damaged. Make sure the arrow lies true (flat) on the flight track and the fletching is down in the flight groove. Check that your arrow slides smoothly and evenly into the trigger mechanism.

THE STRING APPEARS TO LATCH UNEVENLY, CAUSING THE ARROW TO FAVOR EITHER LEFT OR RIGHT

Check that when you are cocking your crossbow, you are pulling equally on each side of the string. Mark the new strings on each side of the flight track as stated in the instructions. After cocking your crossbow, make sure the marks are shown evenly on each side of the trigger mechanism. When cocking your crossbow, make a conscious effort to hold the string on the flight track.

MY STRING OR CABLES ARE FRAYING

Make sure to use lube wax on the center string and flight track every 5-10 shots and on the cables when needed. Keep the trigger mechanism and flight track free of obstruction. Check for any metal burs on the flight track and arrow end caps.

MY CROSSBOW HAS WEAK LIMBS AND IS LOSING POWER

Dry firing of the crossbow can cause the limbs to crack. Check the limbs for any possible damage and/or cracks. If damage is evident, have your crossbow inspected and repaired by a qualified technician before further use. If there is no visible damage, check that you are using Barnett string and it is the correct length. Short strings will damage your crossbow.

Check that the cams are properly lubricated with lightweight machine oil. Reduce friction by keeping the flight track and the string serving waxed.

Barnett does not recommend that the bow is left in the cocked position for periods longer than four hours.

WARRANTY INFORMATION

LIMITED WARRANTY

Subject to the terms, conditions and limitations below, Barnett Outdoors, LLC guarantees that the stock, trigger mechanism and limbs of its crossbows will be free from defects in materials and workmanship that adversely affect the operation of the crossbow for the lifetime of the original owner. Covered expenses are parts and labor for repair. Barnett reserves the right to replace any part or crossbow that cannot reasonably be repaired, at its sole discretion.

The following parts are not covered by this warranty: strings, cables, arrows, accessories, damage to the finish or scratches, normal wear and tear. Transportation charges/shipping charges to and from Barnett's service center are also not covered.

Important, the warranty is VOID if any of the following apply: (1) damage is caused by abuse, misuse, neglect, or failure to precisely follow the instructions in the Owner's Manual and all warning labels; (2) the crossbow or any of its parts or accessories have been modified or altered; (3) there was a failure to perform normal recommended maintenance or repairs; (4) any safety features were disabled, modified or removed; (5) damage is determined by Barnett to have been caused by dry-firing or by using anything other than the recommended arrows and nocks; (6) the crossbow is not properly registered, within 10 days of purchase; (7) the crossbow is not an authentic Barnett crossbow or it is determined to have, at any time, been stolen or misappropriated from its rightful owner.

This is the sole and exclusive warranty and there are no warranties which extend beyond the description on the face hereof. The implied warranties of merchantability and fitness for a particular purpose are expressly disclaimed. All disclaimers and limitations of liability apply even if the remedy of repair and replacement fails of its essential purpose. Except as may be prohibited by state law, Barnett assumes no liability for incidental, consequential, or special damages or expenses of any kind.

The sole and exclusive remedy pursuant to this warranty is the repair or replacement of the defective part(s) at Barnett's sole discretion.

PRODUCT REGISTRATION

To register your crossbow, please visit barnettcrossbows.com/warranty. Note: Crossbows must be registered online 10 days after purchase to validate the warranty.

TO OBTAIN SERVICE

Contact our service department at 1-800-237-4507 for a return authorization number (RA#) prior to sending the unit. Write the RA# on the outside of the package along with the words "Service Return". Attach a note to the product containing your name, address, telephone number and a description of the problem. Carefully package and return the product, transportation charges prepaid, to the factory. Collect shipments will not be accepted. Shipments without an RA# issued and listed on the outside of the shipping box will not be accepted.

The warranties and guarantees contained herein are non-transferable and non-assignable. All warranties and guarantees contained herein shall be null and void in the event the original purchaser sells, assigns, or conveys the product.

NORTH AMERICAN CROSSBOW FEDERATION

TO PRESERVE AND PROMOTE

Annual membership benefits include, but are not limited to:

- As a member of the North American Crossbow Federation (NACF), you will receive quarterly issues of Horizontal Bowhunter Magazine. This unique and timely magazine keeps our membership up to date on the latest innovations and developments in the crossbow industry. More importantly, it gives our members an opportunity to share their personal experiences, hunting stories, photos and letters to the editor. It is important to realize and remember that the NACF and the Horizontal Bowhunter Magazine are dedicated to the promotion and preservation of all forms of hunting with all weapons, especially the crossbow.
- Free classified ads in Horizontal Bowhunter Magazine and support for your state crossbow organization. If you have crossbow-related merchandise you would like to buy, sell, trade or hunts to swap, the classified ads are free for NACF members. Plus \$5 of your NACF membership will be donated back to your affiliated state organization in your name. If there is no affiliated state organization, the \$5 will be used to help bring the crossbow to states that do not have a crossbow season and are struggling to get one.
- Each member of the American Crossbow Federation will receive a membership package containing your first issue of Horizontal Bowhunter Magazine, a membership card and an NACF Bumper Sticker to proudly display on your vehicle.

NOTES

- As a member of the NACF, you are entitled to enter your trophy animals taken with horizontal and vertical bows in the official big game record book created for all archery hunters. The NACF Big Game Crossbow Register is a history of animals taken by NACF members with any archery equipment, including the crossbow from around the world. Qualified animals that have been taken all the way back to 1975 may be entered into the register. This compilation of crossbow hunting statistics covers all big game species from all continents with all archery equipment.

JOIN THE CAUSE

To apply for membership, please visit our website or contact them directly at northamericancrossbowfederation.com.

MEMBERSHIP PACKAGES	RATES
U.S. Membership	\$30 (1 Year)/\$58 (2 Years)
Lifetime U.S. Membership	\$700
Lifetime U.S. Senior Membership (Ages 65+)	\$450
Corporate Membership	\$250
Canadian Membership (U.S. Funds)	\$35 (1 Year)/\$68 (2 Years)
Lifetime Canadian Membership (U.S. Funds)	\$850
Overseas Membership (U.S. Funds)	\$40 (1 Year)/\$78 (2 Years)
Overseas Lifetime Membership (U.S. Funds)	\$1,000





BARNETT™

— EST. 1962 —

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