

DARTON CROSSBOWS

TECHNICAL SERVICE & WARRANTY MANUAL

Darton Archery
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**READ THE INSTRUCTIONS AND WARNINGS IN
THIS MANUAL CAREFULLY BEFORE USING THIS
DARTON PRODUCT**



DARTON CROSSBOWS LIMITED - 10 YEAR - WARRANTY

We at DARTON Performance Archery Equipment are proud to stand behind the workmanship and overall quality of DARTON Crossbows by offering this Limited 10 Year Warranty.

This Warranty applies to the original owner and is nontransferable. This Warranty covers the riser, barrel, trigger assembly and stock against defects in material and workmanship for ten (10) years from the original date of purchase. Limbs and eccentrics are covered for five years based on Pro-Rated terms in conjunction with the Warranty language as described below.

1. From the date of purchase through the third (3) year of ownership all warranty repairs, replacements, or substitutions will be made at no charge (subject to the terms of this policy).

2. For the period from the beginning of the fourth (4) year to the end of the fifth (5) year from the date of purchase, all warranty repairs, replacements, or substitutions of Darton Crossbow limbs and/or alloy eccentrics will be made at a charge of 50% of the manufacturer's suggested retail price.

3. For the period from the beginning of the sixth (6) year to the end of the tenth (10) year from the date of purchase, all repairs, replacements, or substitutions of DARTON Crossbows limbs and/or alloy eccentrics will be made at a charge of 80% of the manufacturer's suggested retail price.

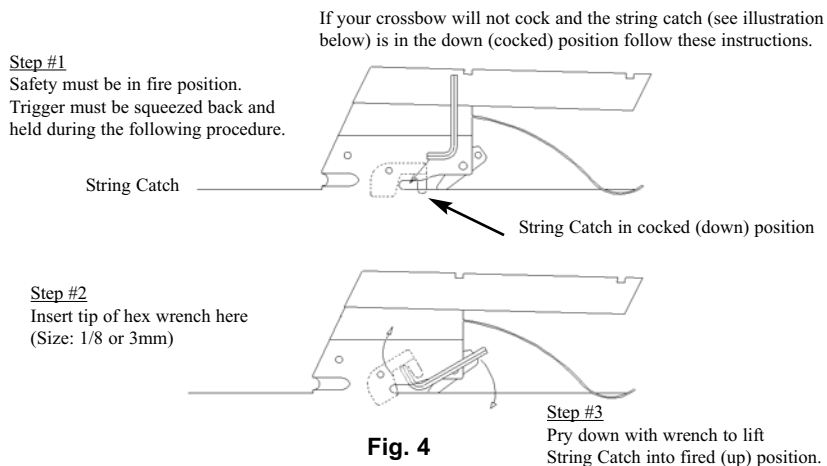
DARTON's limited warranty is conditioned upon proof of date of purchase and the other conditions stated below. It is important that your sales receipt be filed in a safe place for future reference as warranty repairs will not be performed under warranty without a copy of the dated sales receipt. Without a copy of the sales receipt, the manufacturing date will be used to determine if the bow is still under warranty. If the serial number is removed from the bow, the warranty is void.

DARTON warrants that DARTON Crossbows will perform their intended function if used in accordance with the instructions provided. This limited warranty during the first (5) years covers ONLY replacement parts, substitutions, labor, and return transportation costs to the consumer for the repaired bow, or replacement with a reconditioned bow or an equivalent new product at DARTON's option. During the second five (5) years the consumer is responsible for 80% of the normal repair charges and all shipping charges. After ten (10) years from the date of purchase, Darton will no longer accept any responsibility for the availability, repair, replacement, or substitution of any bow parts.



Shooting Your Crossbow

Note: If the crossbow won't cock, follow these directions to open the string catch. While pulling the trigger, insert an allen wrench or similar object behind the string catch and push it towards the string and up until it clicks (note: safety must be in the fire position see fig. 4).



The forestock has been design so that you may comfortably support the crossbow without getting your fingers struck by the bow string. Nevertheless, **we recommend that you always check to make sure your fingers and thumb do not interfere with the travel of the bowstring and cable.**

After you cock the crossbow, **always engage the safety. Do not release the safety until after you have aimed and are ready to fire.** Insert the bolt with one vane or feather in the track groove. Slide the bolt back under the bolt spring so that it makes contact with the string, or is properly nocked if you shoot arrows with nocks. When you are ready to shoot, double-check that the arrow touches the string. During hunting situations, this should be checked periodically. The bolt spring should be adjusted using the adjustment set screw accessed through the hole in the top of the scope mount until it will hold the bolt in place when the crossbow is inverted.



Cocking Your Crossbow

1. With the safety in the fire position, place your foot securely into the foot stirrup (see Fig. 1) and grasp the string with both hands; one on each side of the stock. Draw the string back evenly with both hands touching the crossbow stock (see Fig. 2). When you reach full draw as indicated by a loud click, ease up slightly on the string to make sure that the string catch is holding the bowstring securely. Your crossbow is now cocked. Before you install an arrow, engage the safety. Caution—Use care when cocking your crossbow as its high peak weight.



Fig.1

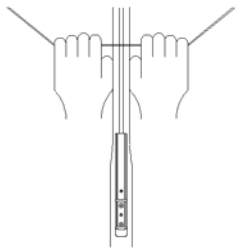


Fig.2

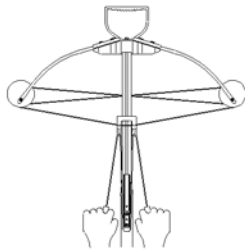


Fig.3

2. You may also cock your crossbow with **Darton's weight reducing Cocking Rope**, which reduces the cocking weight by 50%. When using the rope cocker, make sure that the rope is secure in the rope guide groove on the back of the trigger assembly/sight block. Pull until the string is in the trigger mechanism and has **engaged** with a loud click. For your own and others' safety, **always position the safety in the "on" position (green).**

Your crossbow is equipped with a mechanism which prevents the weapon from being fired if a bolt or arrow is not loaded. It is possible to pull the string beyond this mechanism so that it appears to be cocked without fully cocking it. The crossbow will not shoot with the string in this position. To finish cocking the bow, move the safety to the fire position and continue pulling the string until it clicks into place.



Warranty Information

Strings, cables, component parts, and cable slides are expendable components of a bow and are subject to a variety of conditions that are beyond the control of DARTON. Once the product has left our factory, these parts may undergo a number of influences that can alter, impede or prohibit altogether the performance of these parts. Thus, DARTON cannot and does not extend any warranty for these parts. Items not covered by Warranty include strings, cables, cable guard slides, sleeve bushings, bearings and/or cosmetic appearance - scratches, chips, dings, etc. caused through normal use and wear. There are no other warranties express or implied binding DARTON, its dealer or distributors.

Transportation and insurance charges for the return of the bow to DARTON are not covered. Damage caused by mishandling, abuse, improper stringing or modification of the product is not covered and will void the warranty.

The terms of the Limited Warranty are a part of the sale between DARTON and you. DARTON MAKES NO OTHER WARRANTY, EITHER EXPRESSED OR IMPLIED, EITHER OF FITNESS OR OF MERCHANTABILITY, EXCEPT AS STATED ABOVE. ANY SUCH ADDITIONAL WARRANTY IS EXPRESSLY DISCLAIMED. TO THE EXTENT PERMITTED BY APPLICABLE LAW, DARTON SHALL NOT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OR EXPENSES OF ANY KIND OR SORT, WHETHER RELATING TO OR RESULTING FROM PERSONAL INJURY OR PROPERTY DAMAGE, OR OTHERWISE.

This limited warranty is valid only when repairs are performed by DARTON.

This limited warranty gives you specific legal rights. You may also have other rights which vary from state to state. Unless prohibited by applicable law, this limited warranty extends only to you, the original purchaser, and is not transferable.

To obtain service on any DARTON Crossbow, return it with a copy of the dated sales receipt, shipping prepaid and insured, to: Darton Archery, attn: Customer Service, 3540 Darton Rd., Hale, MI 48739. All accessory items must be removed from the bow prior to shipping. Darton will not be responsible for damage or loss of any accessory item left on the bow.

There is a tremendous amount of energy stored in your crossbow when it is ready to be fired. Damage can result to the Crossbow and possible injury can result if your Crossbow is fired with a lighter weight arrow than recommended (475 gr.) by DARTON. In the event of a dry fire (Crossbow shot without an arrow) damage to the Crossbow will result. If your Crossbow is dry fired you should send it back to the manufacture for inspection.



Safety Tips

Your new crossbow has been engineered and manufactured to give you years of reliable shooting pleasure. In order to get the maximum performance and reliability from your new crossbow, it is necessary to know and follow a few simple but important safety, care, and maintenance rules. Please read them before shooting your crossbow.

- Never point the crossbow at anyone! Your crossbow is a powerful weapon; follow the same safety rules you would for a firearm.
- Do not cock your crossbow or release the safety until you are in a position to shoot.
- Never assume the safety mechanism is on; make sure you know whether it is in the Safe or Fire position (Safe is green, Fire is red).
- Never dry fire your crossbow! Discharging your crossbow with anything but the proper loaded bolt could cause serious damage and/or injury. The use of wooden bolts or arrows is unsafe and will void the warranty.
- Wax the string often.
- Lubricate both the top surface of the barrel where the string slides and the bow string serving that slides on the barrel regularly. Use a stick type lubricant as supplied by DARTON.
- Do not use a string with loose or absent serving.
- Inspect your crossbow frequently for frayed string or worn cables.
- Lubricate the eccentric wheels occasionally with light machine oil.
- Clean your crossbow with a soft cloth after each use and store it in a clean, dry place.
- Protect the metal parts with a thin film of oil as you would a firearm.
- Your crossbow may be left strung indefinitely. However, it should never be left cocked unless you're ready to shoot.
- **WARNING: Keep your fingers and thumbs clear from the path of the string and cables when shooting. Serious Injury will result from being hit by the bowstring or cables.**
- To unload your crossbow, fire an arrow into soft ground.
- Do not transport a cocked or loaded crossbow.
- Do not expose your crossbow to excessive heat (i.e. leaving it in an automobile on a hot day).



Assembly

Contents

- One (1) stock assembly
- One (1) riser & limb assembly
- One (1) foot stirrup
- One (1) assembly bolt with washer
- Four (4) assembly hex keys
- Rear peep sight and front sight (certain models)

Available Crossbow Accessories

- Crossbow Sling
- Crossbow Arrows
- Quick Detachable Matching Quivers
- Sight and Scopes with Rings
- Bow Strings and Cable
- Track Lubricant
- Winch Type Cocking Devices

Step 1 (*stock assembly, limb assembly*) Slide the string along the top of the barrel and the cables through the cable slot toward the trigger until the riser locating rod—protruding from the front of the barrel—fits snugly into the hole in the bow assembly. (compressing the barrel with your hand will assist in fitting it into the riser assembly).

Step 2 (*foot stirrup, assembly bolt with washer*) Insert the assembly bolt into the washer and through the assembly hole in the foot stirrup from the inside of the stirrup loop to the outside.

Step 3 (*final assembly*) Insert the protruding portion of the assembly bolt through the hole in the riser assembly into the threaded hole of the stock assembly and securely tighten with the enclosed hex key. (Lifting the bowstring up, off the track, will take the pressure off the bolt during assembly). Your crossbow is now fully assembled and ready to fire.

Step 4 (*final inspection*) After shooting your crossbow a number of times (6-10 shots) all bolts should be re-tightened, especially the foot stirrup.

Bolts/Arrows

Because of the high level of performance obtained from Darton Crossbows **it is required that only arrows equipped with 1/2 MOON nocks be used.** The arrow needs to be indexed correctly so that the relief in the nock lines up with the string. This should be the case when the cock feather is positioned in the track slot. Be sure the nock is tight against the bowstring before shooting. Failure to do so will result in a situation equivalent to shooting the Crossbow with out an arrow and damage will occur to the Crossbow casing possible injury to oneself and bystanders. We recommend a 22"-2219 (.344" o.d.) arrow be used so it will fit the track, line up with the string and fit the receiver correctly. It is recommended that the arrow you use not weigh less than 460 grains, doing so will void any and all warranties and will damage the crossbow.

Darton Crossbows

Service & Repair Form

For repairs, complete and detach this Service & Repair Form and return it to Darton Archery along with your crossbow. Call Darton Technical Service & Repair at (989)728-9511 with any questions you may have. Please remove all accessories before shipping.

Name: _____

Address: _____

City: _____

State: _____ Zip: _____

Day Phone: _____

Evening Phone: _____ Time to Call: _____

Crossbow Model: _____

Peak Weight: _____

Purchased :
Place: _____ Mo/Yr: _____

Serial Number: _____

Reason Crossbow Is Being Returned For Repair:

return your entire crossbow with this completed form to:

Darton Archery

3540 Darton Road, Hale, MI 48739

Attn: Repair Dept.