

# TenPoint Crossbow Technologies™

## ACUDRAW™ 50 INSTRUCTION MANUAL

*To prevent injury to yourself or others, or damage to your crossbow, read this manual along with all other operating and safety instructions included in your crossbow package before assembling, loading or using the crossbow.*

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*...the mark of perfection™*

**TenPoint Crossbow Technologies®**

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## ACUDRAW™ 50 COCKING DEVICE U.S. Patent Number 6,874,491

The ACUdraw 50 takes the conventional crossbow rope cocker – which reduces a crossbow’s draw weight by half – to a new, user-friendly and hassle-free level.

The ACUdraw 50 is mounted in the butt stock and uses an innovative retraction spring system that automatically reels the draw cords and string hooks back inside its housing after each use. To avoid any noisy or dangling parts when not in use, the handles quietly hold in place against the sides of the butt stock with powerful magnets (see photo 1).

**NOTICE:** The ACUdraw 50 contains a powerful Neodymium magnet and should be kept away from magnetic media, such as computer disks and credit cards, because it could erase them.



*The handles are held in place against the butt stock with powerful magnets.*

# ACUDRAW™ 50 OPERATING INSTRUCTIONS

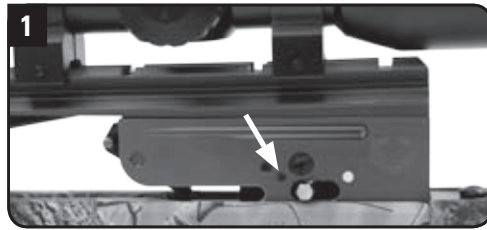
The ACUdraw 50 contains a powerful Neodymium magnet and should not be used by persons with pacemakers or other medical implants because it could interfere with their safe operation.

Study these directions carefully. You can injure yourself and/or damage your ACUdraw 50™, if you do not operate it according to these instructions.

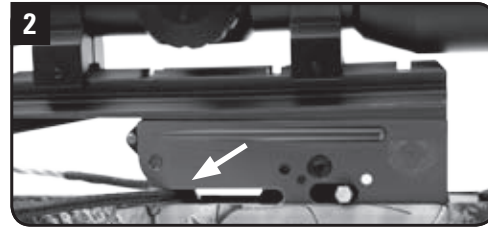
**⚠ WARNING**

**⚠ CAUTION**

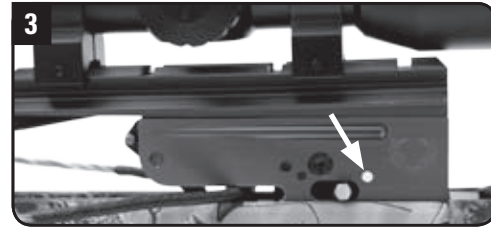
1. Before cocking your crossbow, the safety knob must be in the **FIRE (red dot)** position. Otherwise, the string latch will not engage or hold the bowstring. If you try to cock your crossbow with the safety in the **SAFE (white dot)** position, the DFI™ (Dry Fire Inhibitor) will catch and hold the string, making the crossbow appear to be cocked. However, when the DFI™ - instead of the string latch - holds the bow string, you cannot fire the crossbow. When cocked correctly, the bowstring will automatically set the safety and the string latch will grasp and hold the string (see photos 1-3).



Make sure the trigger's safety is in the forward, **FIRE (red dot)** position **before** cocking your crossbow.



If you try to cock the crossbow while the safety is in the rear, **SAFE (white dot)** position, the bowstring will be held by the DFI™ and only appear to be cocked.



When you cock your crossbow correctly, the safety will automatically move to the rear, **SAFE (white dot)** position, and the string latch will engage the string.

2. In a standing position, place the crossbow in front of you with its foot stirrup on the ground. Place one of your feet securely inside the foot stirrup and pull out both cord handles far enough so that you can grasp and hold the string hooks between your thumbs and index fingers with the open end of the hooks facing your thumbs (photo 4). **Both of the handles need to be pulled out at the same time and length to keep the unit from jamming up.**
3. Reach down and position the hooks in place on each side of the barrel. Attach the hooks from the underside of the bowstring. As you grab the handles, hold the hooks flush against the sides of the barrel with your index fingers to ensure that you will draw the bowstring straight (photo 5).
4. Simultaneously stand and pull up on the draw handles until the crossbow is fully cocked (photo 6).



ACUdraw 50™ Position 1.



ACUdraw 50™ Position 2.



ACUdraw 50™ Position 3.

5. With the handles in your hands, reach down and remove the hooks from the bow string with your index fingers and thumbs. Retracting both sides at the same time, turn the open ends of the hooks ¼ of a turn outward as you allow the retraction spring to reel the cord and hooks back inside the housing (photo 7).



ACUdraw 50™ Position 4.

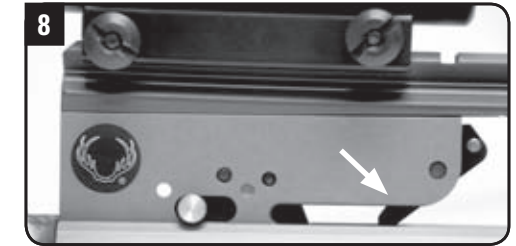
**Note: To prevent injury to yourself or others near you, you must remove the hooks from the bowstring before firing the crossbow.**

**⚠ WARNING**

# ACUDRAW™ 50 OPERATING INSTRUCTIONS (Cont.)

6. With the handle magnets facing one another, place the handles in their storage position on the sides of the butt stock (the magnets will attract to the T-Handle Stability Pads that are attached to the stock). Hint: When grabbing the ACUdraw 50 handles, make sure you feel the three raised lines on the one side of the handles with your thumbs – this will ensure that the magnets are in the proper position for placement against the stock.

Reminder: All TenPoint Crossbow models are equipped with a patented DFI™ (photo 8), which prevents the bow from dry-firing if an arrow is not loaded. Remember, if you try to cock the crossbow with the safety knob in the **SAFE (white dot) position, you will pull the string past the DFI™, which will hold the string in a position that appears as if it were cocked; however the bow will not be cocked, and it will not fire an arrow. To finish cocking the bow, move the safety to the FIRE (red dot) position and repeat steps 2-6.** You will see the string latch and the safety engage as the safety knob moves into the **SAFE (white dot) position.**



TenPoint's patented DFI™ (Dry-Fire Inhibitor).

7. You are now ready to load an arrow onto your crossbow.

## ACUDRAW™ 50 MAINTENANCE & CARE

The ACUdraw 50 should be relatively maintenance free however; you should regularly check your draw cords to make certain they are not frayed. If the system does not operate trouble-free, call Customer Service at 330.628.9245 or email your request at [www.tenpointcrossbows.com](http://www.tenpointcrossbows.com) to explain the difficulty and/or arrange for repair.

## ACUDRAW™ 50 TROUBLESHOOTING

Not all issues associated with your ACUdraw 50 will require service. This Troubleshooting section can help fix common problems with your ACUdraw 50. If, after reviewing this section, your problem still exists, contact the TenPoint Customer Service Department at 330.628.9245 or email your Return Authorization repair request at [www.tenpointcrossbows.com](http://www.tenpointcrossbows.com).

### **My ACUdraw 50 cords retract slowly or not at all.**

- Grab both of the hooks and handles and fully extend them (they should extend to the bowstring or slightly farther), then bring them all of the way back (as close to the rail as you can) without going extremely slow or fast.
- With a Phillips-head screwdriver, loosen each of the four (4) cover screws (two on the left side and two on the right side of the ACUdraw 50 unit - the covers may be too tight, putting pressure on the washers inside. Attempt to pull out and retract the cords. If this does not resolve your issue, move on to the next possible solution.

**Note:** Completely remove the four ACUdraw 50 cover screws and both covers for the next steps.

- Make sure the ACUdraw 50 cord contains the same amount of wraps on each side of the axle. If one side has more wraps on it than the other side, un-wrap the excess wraps. **Note:** This usually occurs when the hooks and handles are brought back at a severe angle from the left or right side of the bow. Or, you could get more wraps on one side or the other when trying to retract one side before the other.
- Attempt to pull out and retract the cords. If the cords pull out, but do not retract, you may have a weak or broken power spring. Contact Customer Service.
- If the cords are hard to pull out, the ACUdraw 50 unit may not be seated properly in the stock causing the unit to bind. Loosen all four side plate screws, realign the side plates then re-tighten the screws. **Note:** Do not over-tighten.

### **My hooks and handles will not seat correctly in the covers.**

Let the retraction spring draw the hooks inside the covers. They will fit perfectly inside the covers if you turn their open ends outward (only the part of the hook with the brass pulley is inserted into the cover).

# ACUDRAW™ 50 TROUBLESHOOTING (Cont.)

There are three raised lines on each ACUdraw 50 handle (on one side only) and the other side has a magnet inside of it. With the raised lines facing away from the stock, the magnets will stick to the stability pads keeping the handles securely in place.

## ***My power spring is broken or weak.***

TenPoint part number HCA-451 (ACUdraw 50 Retraction Power Spring) is required. Do not attempt to use a substitute. Contact Customer Service.

## ***My ACUdraw 50 cords are fraying or cut.***

TenPoint part number HCA-450 (ACUdraw 50 Draw Cords) is required. Do not attempt to use any other cord or material. Contact Customer Service. **Do not** attempt to use your ACUdraw 50 if the draw cord is fraying or cut.

# LIMITED FIVE-YEAR OPERATIONAL WARRANTY

Subject to the terms, conditions and limitations outlined below, TenPoint Crossbow Technologies guarantees its ACUdraw 50 units (except for the draw cords and power springs) against defects in materials and workmanship that adversely affect their operation for a period of five (5) years from the date of their original purchase.

This warranty only becomes effective if activated by the purchaser within 30 days of the purchase date by completing the warranty card included with the crossbow (or ACUdraw 50 if purchased separately) and mailing it to TenPoint Crossbow Technologies. TenPoint Crossbow Technologies reserves the right, at its sole discretion, to accept proof of purchase in lieu of a completed warranty card.

To make a claim under this warranty, call our Customer Service Department at 330.628.9245 for a Return Authorization Number. TenPoint Crossbow Technologies will not accept returned merchandise without a Return Authorization Number displayed on the outside of the shipping container. Include your name, address, daytime phone number, and a brief description of the claim inside the package. Insure your shipment and send it prepaid via the U.S. Postal Service or UPS.

## **LIMITATIONS OF WARRANTY**

**The warranty will be void if any of the following occur:**

- (1) the instructions in the owner's manual are not followed;**
- (2) the ACUdraw 50 or any of its parts are altered from their original state;**
- (3) damage is caused by abuse or neglect;**
- (4) damage is caused by firing a crossbow equipped with ACUdraw 50 hooks positioned on the crossbow's string; or**
- (5) the ACUdraw 50 is installed on a crossbow that is rented or loaned for use by others by a retailer, wholesaler, or shooting range operator, or other commercial business organization, whether or not a fee is charged for its use. There are no warranties which extend beyond the description on the face hereof.**

**The sole and exclusive remedy pursuant to this warranty is the repair or replacement of the defective part(s) at the sole discretion of TenPoint Crossbow Technologies. Parts determined to be unsafe will not be returned with the repaired ACUdraw 50.**

**The implied warranties of merchantability and fitness for a particular purpose are expressly disclaimed. All disclaimers and limitations of liability shall still apply even if the limited remedy of repair and replacement fails of its essential purpose.**

**In states where permitted, we assume no liability for incidental or consequential damage or for incidental expenses. Any action against TenPoint Crossbow Technologies based on an alleged breach of this warranty must be brought within one (1) year of the claimed breach.**

**TenPoint Crossbow Technologies liability for breach of warranty shall be limited to repair or replacement of the product at the option of TenPoint Crossbow Technologies.**