



OWNER'S MANUAL



FOR ALL CROSSBOW MODELS MANUFACTURED BY
TENPOINT CROSSBOW TECHNOLOGIES[®]
HORTON CROSSBOW INNOVATIONS[®]
WICKED RIDGE CROSSBOWS[®]

⚠ TO REDUCE YOUR RISK OF SERIOUS INJURY, YOU MUST READ, WATCH AND FOLLOW ALL WRITTEN AND VIDEO WARNINGS AND INSTRUCTIONS PROVIDED WITH THIS PRODUCT. IF YOU HAVE ANY QUESTIONS OR ARE UNSURE ABOUT ANYTHING IN THE WARNINGS AND INSTRUCTIONS, STOP AND CONTACT THE CUSTOMER SERVICE DEPARTMENT AT: 330-628-9245 OPTION 2.



BY  TENPOINT

BY  TENPOINT

1325 Waterloo Road
Mogadore, OH 44260-9608
330-628-9245

www.tenpointcrossbows.com
www.hortoncrossbows.com
www.wickedridgecrossbows.com

PERFECTION LIVES HERE.
PROUDLY MADE IN AMERICA



INTRODUCTION

First and foremost, thank you for trusting us with your crossbow purchase and welcome to the TenPoint family.

Regardless of your crossbow experience, you must carefully read and follow the warnings and instructions set forth in this manual before assembling, cocking, loading, or shooting your crossbow. In addition, you should view the **Owner's Instructional Videos** for visual demonstrations and additional information. You can find the videos, as well as our **'Now You Know'** instructional video series, on our website (Videos>Instructional Videos).

Modern crossbows, like firearms or any lethal weapon, can cause serious bodily injury - including death - if you handle them improperly or unsafely. Crossbows should be treated with the same care and safety as firearms. It is necessary, therefore, that you study and follow the **SAFETY** sections of this manual before reading the operating instructions. You will pose a danger to yourself and to those around you if you are either unaware of the rules of safe operation or if you lose focus of them while hunting or shooting. As a hunter or recreational shooter your goal should be to follow these safety practices every time you pick up your crossbow.

If any part of this manual is unclear, or if you have any questions about the safe use of the crossbow, contact a customer service representative at 330-628-9245 option 2 for assistance. After thoroughly reading and understanding this material, save this manual for future reference.

FORMAT NOTE:

We reference some of the safety instructions multiple times in this manual. The hand-safety instructions, for example, apply when you cock, load, unload, carry, and shoot your crossbow, so we reference them by title and page number where we believe it is important to remind you to read them.

TABLE OF CONTENTS

SAFETY	3-5
Hand and Finger Safety.....	3
Trigger and Trigger-Safety Protocol.....	4
Testing Your Trigger Safety.....	4
General Safety.....	4-5
COCKING YOUR CROSSBOW	5-6
Manual Cocking Safety.....	5
Manual Cocking Instructions.....	6
ACUDRAW 50 SLED, ACUDRAW 50 AND ACU-52 COCKING DEVICES	6-8
ACUdraw 50 SLED, ACUdraw 50, & ACU-52 Safety.....	6
ACUdraw 50 SLED, ACUdraw 50, & ACU-52 Operating Instructions.....	7-8
ACUdraw 50 SLED, ACUdraw 50, & ACU-52 Maintenance.....	8
ACUdraw 50 SLED, ACUdraw 50, & ACU-52 Troubleshooting.....	8
ACUDRAW PRO & ACUDRAW COCKING DEVICES	9-12
ACUdraw PRO & ACUdraw Safety.....	9-10
ACUdraw PRO & ACUdraw Operating Instructions.....	10-11
ACUdraw PRO & ACUdraw Maintenance.....	12
ACUdraw PRO & ACUdraw Troubleshooting.....	12
LOADING AND UNLOADING YOUR CROSSBOW	12-13
Loading and Unloading an Arrow Safely.....	12-13
Arrow Loading Instructions.....	13
Arrow Unloading Instructions.....	13
UNCOCKING YOUR CROSSBOW	13
Uncocking Your Crossbow.....	13
SIGHTING IN YOUR CROSSBOW	14
Sighting In Safety.....	14
Scope Sighting.....	14
SHOOTING YOUR CROSSBOW	15-16
Shooting Safety.....	15
Shooting Instruction and Technique.....	15-16
TREESTAND SAFETY	16
ARROW REQUIREMENTS AND SAFETY	16-17
REVERSING THE TRIGGER'S SAFETY KNOB	17
CROSSBOW MAINTENANCE	17-18
Maintenance Procedures for High Performance Crossbows.....	18
Maintenance Procedures for Turbo M1 and Titan M1 Crossbows.....	18
General Maintenance Procedures.....	18
CROSSBOW TROUBLESHOOTING	18-19
RETURNING YOUR CROSSBOW FOR SERVICE	19
STRING AND CABLE SPECIFICATIONS	20-21
WARRANTY	22-BACK COVER



SAFETY

The use of a crossbow requires considerable skill and should be treated with caution to avoid injury to persons and/or property. Crossbows should only be used by those who are properly trained in safety or under the supervision of a qualified instructor. You must follow all written and video safety warnings and instructions provided with this product.

HAND AND FINGER SAFETY

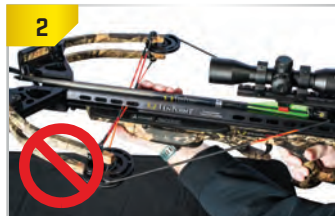
By the inherent nature of the crossbow design, the bowstring travels along the path of the crossbow stock at a high speed. The bowstring is a high-energy device and moves with such force it can cause significant injury if it contacts any part of the body during release. To avoid serious injury, you **MUST** keep all parts of the body away from the path of the bowstring and cable paths. Placing your hands, fingers, thumbs or other body parts in the path of the crossbow string or cables may cause serious injury. **NEVER** place any part of your body into the travel path of the crossbow string or cables.

▲ DANGER

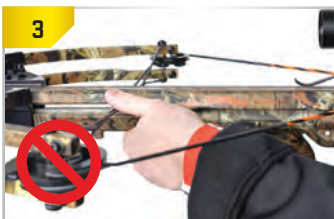
- When you shoulder your crossbow to shoot, keep your fore-grip hand squarely on the fore-grip as shown in photos 4-7. Avoid sliding the hand in front of or behind the grip (photos 1-2), and avoid allowing that hand's thumb or fingers to move above the barrel's flight deck and into the bowstring's release path (photo 3). Failure to follow proper technique could result in a severe injury or amputation to any portion of your hand or body that is in the path of the bowstring upon release.



1
IMPROPER HAND POSITION. With your fore-grip hand positioned as shown above, you will severely injure or amputate your thumb if you fire your crossbow.



2
IMPROPER HAND POSITION. With your fore-grip hand positioned as shown above, you will severely injure or amputate your finger(s) if you fire your crossbow.



3
IMPROPER HAND POSITION. With your fore-grip hand positioned as shown above, you will severely injure your hand or amputate your thumb and/or finger(s) if you fire your crossbow.



4
PROPER HAND POSITION. Proper way to hold the fore-grip on TenPoint crossbows without fore-grip cutouts.



5
PROPER HAND POSITION. Proper way to hold the fore-grip on TenPoint crossbows with fore-grip cutouts.

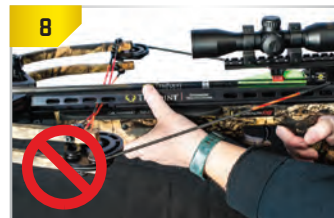


6
PROPER HAND POSITION. Proper way to hold the fore-grip on Wicked Ridge crossbows.

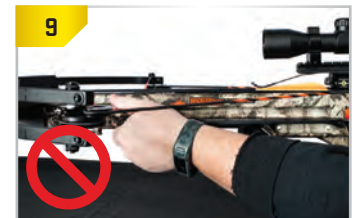


7
PROPER HAND POSITION. Proper way to hold the fore-grip on Horton Crossbows.

- Injury may occur while using a bench rest. Avoid allowing your fore-grip hand to rotate to the side of the grip or to move in front of or behind the grip, thereby permitting your thumb and or fingers to move above the flight deck and into the bowstring's release path (photos 8-9). Failure to follow proper technique could result in a severe injury or amputation to any portion of your hand or body that is in the path of the bowstring upon release. See photos 10-11 for proper hand position.



8
IMPROPER HAND POSITION. With your fore-grip hand rotated to the side of the grip, you will expose your thumb to the bowstring's release path.



9
IMPROPER HAND POSITION. With your fore-grip hand positioned in front of the grip, you will expose your thumb to the bowstring's release path.



10
PROPER HAND POSITION. With your fore-grip hand flat on the bench rest you can position the grip in the "V" between your fingers and thumb.

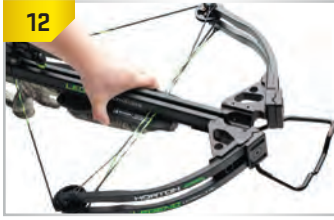


11
Keep your thumb and fingers below the flight deck and away from the cables to avoid injury.



▲WARNING

- Never place any body part, for any reason, in the path of the bowstring. Do not hold, carry, or hand a cocked or loaded crossbow to someone by grasping the barrel or fore-stock inside the bowstring's release path (photo 12).



12
*IMPROPER HAND POSITION.
Do not grab or hold it by the barrel
and fore-stock.*

- When loading an arrow, hold it just behind the broadhead or field point with both your index and middle fingers and your thumb. Then slide the nock end of the shaft under the arrow retention spring or retention brush and into the string slot. This technique keeps your fingers and thumb out of the bowstring's release path and helps prevent serious injury or amputation if the crossbow were to unintentionally fire (photos 13-14).



13
*PROPER HAND POSITION. Hold the
arrow with your index and middle
finger and your thumb just behind
the broadhead.*



14
*IMPROPER HAND POSITION.
With your hand positioned as shown
above, you will severely injure your
hand and/or fingers if the crossbow
were to unintentionally fire.*

TRIGGER AND TRIGGER-SAFETY PROTOCOL

Safety protocol for crossbow triggers and their safeties is similar to the safety protocol required when using firearms. Because triggers and their safeties are mechanical devices, they are subject to failure due to a number of causes such as abuse, misuse, tampering, wear and tear, neglect, operator error, loss of focus, and other causes. Never rely upon a mechanical device for safety.

The only safe approach to using a trigger is to assume that whenever you place your finger on it, it will fire.

▲WARNING

- The most important safety rule relating to the handling of the trigger is to keep your finger off the trigger until you are ready to take a shot. Likewise, you should never disengage the trigger-safety (move it to the FIRE (red) position) until you are ready to take a shot. Instead, when shouldering your crossbow or holding the grip, keep your trigger-finger off the trigger and on the stock right above the trigger while pointing it toward the front of the crossbow (photo 15). This practice will help prevent you from accidentally discharging your crossbow and potentially causing serious injury or death to yourself or others.



15
Position finger on the side of the stock.

- Do not pull (pre-load) the trigger to test whether your trigger-safety is working. Always treat a crossbow as if it could shoot at any time upon the pulling of a trigger. Pulling the trigger could fire the crossbow and cause serious personal injury or loss of life.

TESTING YOUR TRIGGER SAFETY

▲WARNING

- Pull the trigger only to fire the crossbow.
- Never pull the trigger unless you intend to fire the crossbow.
- Manipulating the trigger is a bad practice.
- Never partially pull the trigger. If you partially pull the trigger, reset the safety by recocking the bow and checking for safety bounce back.
- Visually verify your safety is in the white or "safe" position when you engage or reengage your safety. Check for bounce back.

NOTICE

You can test your trigger-safety by pushing the safety knob in the SAFE (white) direction toward the end of the safety knob slot. It should move approximately 1/16th of an inch and then "bounce-back" or "spring-back" once you stop pushing. This "bounce-back" means the trigger-safety is engaged. If it does not "bounce-back", you must re-engage it by forcefully pulling the bowstring as if you were cocking the crossbow. The bowstring will engage the trigger-safety. REMEMBER, pulling the trigger is a dangerous way to test your trigger-safety.

▲CAUTION

If your safety knob does not "bounce-back", you should contact TenPoint's Customer Service Department at 330-628-9245 option 2. It may be necessary for you to return your crossbow for repair. For a demonstration on the "bounce-back" feature, visit www.tenpointcrossbows.com > Videos > Instructional Videos > Never Pre-Load a Crossbow Trigger.

GENERAL SAFETY

NOTICE

- It is your responsibility to read and follow the written and video warnings and instructions provided and ensure that any other users also follow these warnings and instructions. Keep and maintain your Owner's Manuals with your crossbow and make certain you provide them to whomever you loan or sell your crossbow.
- Take a hunter's education and safety course prior to hunting so that you understand all of the risks involved. In fact, most states require that you complete such a course before receiving your hunting license.



- Check your local, state, or provincial hunting regulations and regulations regarding use and transporting a crossbow. Make sure that your crossbow hunt follows the laws of the location in which you are hunting. Some jurisdictions require that a crossbow be encased during transport.

▲WARNING

- Wear safety glasses when assembling, servicing, cocking, loading, and shooting your crossbow to protect against loss of or injury to your eyes from any number of causes such as, but not limited to, broken bow limbs, cables, bowstrings, or cocking device draw cords.
- Your crossbow is a dangerous and deadly weapon designed for hunting and target shooting. Do not use it for any other purpose.
- **Always** treat your crossbow with the respect due any sporting arm. Treat every crossbow as if it were loaded. It can be dangerous or deadly if mishandled.
- **Always** point the crossbow in a safe direction.
- **Always** know your target and what is beyond it. Never shoot at a target on the horizon if you don't know what is on the other side.
- Before each shooting session, inspect your crossbow equipment for worn, loose, damaged or missing parts. Inspect the cables and crossbow string for signs of fraying or broken strands. Replace if any missing, lost or damaged parts are observed or suspected. Do not use the crossbow if these parts are missing or damaged.
- When carrying or transporting a cocked (always unloaded) crossbow, make sure the safety is in the SAFE (white) position. To avoid serious injury, be careful not to place any part of your body in the release path of the bowstring in case of an accidental discharge
- Prior to using your crossbow, you should watch and follow the Owner's Instructional Videos at www.tenpointcrossbows.com and read and follow the **Hand and Finger Safety** (page 3), **Trigger and Trigger-Safety Protocol** (page 4), **Cocking Your Crossbow** (page 5), **Loading and Unloading Your Crossbow** (page 12), **Uncocking your Crossbow** (page 13), **Sighting In Your Crossbow** (page 14), **Shooting Your Crossbow** (page 15), **Treestand Safety** (page 16), and **Arrow Requirements and Safety** (page 17) sections of this manual. Failure to follow the warnings and instructions may result in property damage and/or serious personal injury or loss of life.
- **Never** dry-fire your crossbow. Shooting without an arrow is damaging to the crossbow and could cause serious personal injury. In the event of a dry-fire, the bow must be inspected by an authorized dealer or by TenPoint Crossbow Technologies®, Horton Crossbow Innovations® or Wicked Ridge Crossbows® before being re-cocked or shot.
- **Always** make sure the arrow is fully seated in furthest back position to reduce possibility of dry-fire.
- **Always** shoot arrows of the recommended weight, diameter, length and nock style for your particular crossbow model.
- Failure to use the correct type of arrow could lead to serious injury or death.

- **Never** attempt to shoot any projectile other than arrows specifically designed for use in your particular crossbow model.
- **Do not** leave your crossbow cocked for extended periods of time.
- Seek a doctor's advice if you take medication to be sure you are able to shoot and handle a crossbow safely. Do not consume alcohol or performance impairing drugs before or while using your crossbow. Impaired vision, motor skills and/or judgement could lead to accidents that can cause serious personal injury or loss of life.
- Do not modify your crossbow or remove or deactivate its safety features. In addition to voiding your warranty, making modifications may make your crossbow dangerous or may cause serious property damage or personal injury, including loss of life.

COCKING YOUR CROSSBOW

MANUAL COCKING SAFETY

NOTICE

- Do not attempt to **manually** cock your crossbow if it is a NXT (Narrow Crossbow Technology), RDX (Reverse Draw Crossbow) model or if it is equipped with a CLS (Compact Limb System), XLT (Xtreme Limb Technology), RCX (Reverse Cam Crossbow) or PLT (Parallel Limb Technology) bow assembly. These bow assemblies are too narrow to cock manually. You will pinch your fingers and possibly injure them because the bowstring angle becomes too acute when cocked. Use a cocking assist recommended for your model, such as an ACUdraw PRO, ACUdraw, ACUdraw 50 SLED, ACUdraw 50, ACU-52, ACUsled, ACUrope, Dedd Sled 50, Rope Sled, or Rope-Cocker.

Likewise, if your crossbow's draw weight is simply too heavy for you, use a cocking assist suitable for your model.

▲WARNING

- Prior to manually cocking your crossbow, you should watch and follow the Owner's Instructional Videos at www.tenpointcrossbows.com and read and follow the **Hand and Finger Safety** (page 3), **Trigger and Trigger-Safety Protocol** (page 4), **Loading and Unloading Your Crossbow** (page 12), **Uncocking Your Crossbow** (page 13), **Sighting In Your Crossbow** (page 14), **Shooting Your Crossbow** (page 15), **Treestand Safety** (page 16), and **Arrow Requirements and Safety** (page 17) sections of this manual. Failure to follow the warnings and instructions may result in property damage and/or serious personal injury or loss of life.
- When **manually cocking a crossbow**, grip the bowstring securely with all four fingers of both hands and do not relax your grip until the bowstring engages the string latch and sets the trigger-safety. If the bowstring slips from your grip, you may injure your hands and dry-fire the crossbow, potentially damaging it and/or causing other personal injury and property damage.
- When **manually cocking a crossbow**, use proper lifting technique (see cocking instruction below) to avoid back or shoulder injury.



MANUAL COCKING INSTRUCTIONS

NOTICE

Before cocking your crossbow, make sure your safety-knob is in the FIRE (red) position. Otherwise, the bowstring will not set the trigger-safety and engage the string-latch (photo 16).



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

The crossbow is equipped with a DFI (Dry-Fire-Inhibitor) to prevent the crossbow from dry-firing, an event that could severely damage the bow and cause serious injury. If the crossbow is cocked without the crossbow in the FIRE (red) position, the DFI will catch and hold the string, making it appear as though the bow is cocked when it is not (photo 17). When the bowstring is captured or held by the Dry-Fire-Inhibitor the trigger will not fire when you pull it.



If you try to cock the crossbow while the safety is in the SAFE (white) position, the DFI will hold the bowstring and the bow will only appear to be cocked.

If you make the mistake of trying to cock the crossbow when the safety-knob is in the SAFE (white) position, and your bowstring ends up being held by the DFI instead of the string latch, move the safety-knob into the FIRE (red) position, grab the bowstring with both hands, and forcefully pull the bowstring as if you were cocking the bow. The bowstring will set the trigger-safety, and the string-latch will grasp and hold the bowstring.

Cocking Instructions

Cocking your crossbow inaccurately is the surest way to shoot inaccurately. With any crossbow, if the bowstring is not centered on the string-latch when cocked, the crossbow will not shoot straight. Follow these steps to ensure accuracy:

1. With the underside of the crossbow facing your legs, place your foot far enough into the foot stirrup to keep it from slipping out when you draw the bowstring.
2. Bend over the crossbow, grabbing the bowstring on both sides of the barrel using all four fingers of both hands.
3. Slide your hands flush against the sides of the barrel.
4. With your index fingers against the side of the barrel to guide you, and with a secure grip, start pulling the bowstring toward the string slot in the trigger box (photo 18). While you begin to lift, simultaneously transfer as much of the lifting effort as you can away from your back and onto your legs. As you pull the bowstring inside the string slot, you can see and hear the safety slide click from FIRE (red) -to- SAFE (white) and also hear the string latch click as it engages the bowstring.



Slide your index fingers along the barrel.

5. Check to make sure the string latch - and not the DFI - is holding the bowstring. Remember, the bow will not fire if the bowstring is being held by the DFI. Also check to make sure the safety knob is in the SAFE (white) position before proceeding to load an arrow (photo 19).



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

ACUDRAW 50 SLED AND ACUDRAW 50, AND ACU-52 COCKING DEVICES



ACUdraw 50 SLED and ACUdraw 50 schematic.



ACU-52 schematic.

Integrated into the butt stock of the crossbow, the ACUdraw 50 SLED, ACUdraw 50 & ACU-52 cocking mechanisms are advanced, auto-retracting rope-cocking devices that reduce the amount of force required to cock a crossbow by 50%.

NOTE: The ACUdraw 50 and/or the ACU-52 are not compatible with reverse draw crossbows.

ACUDRAW 50 SLED, ACUDRAW 50 & ACU-52 SAFETY

⚠ WARNING

- The ACUdraw 50 SLED, ACUdraw 50 & ACU-52's T-handles are equipped with powerful neodymium magnets used to keep the handles quietly and firmly positioned against the sides of the butt stock when stored (ACUdraw 50 SLED handles are stored on top of the sled). These magnets can interfere with the operation of pacemakers or other electronic medical implants. They can also erase data stored on electronic media. If you have a pacemaker or other electronic implant, have the magnets removed if you use an ACUdraw 50 SLED, ACUdraw 50, or ACU-52 to avoid failure of your implant and possible serious personal injury or loss of life. In addition, keep the magnets away from electronic data storage devices to avoid loss of data.



- Prior to using your ACUdraw 50 SLED, ACUdraw 50, or ACU-52, you should watch and follow the **Owner's Instructional Videos** at www.tenpointcrossbows.com, and read and follow the **Hand and Finger Safety** (page 3), **Trigger and Trigger-Safety Protocol** (page 4), **Loading and Unloading Your Crossbow** (page 12), **Uncocking your Crossbow** (page 13), **Sighting In Your Crossbow** (page 14), **Shooting Your Crossbow** (page 15), **Treestand Safety** (page 16), and **Arrow Requirements and Safety** (page 17) sections of this manual. Failure to follow the warnings and instructions may result in property damage and/or serious personal injury or loss of life.
- Do not use your ACUdraw 50 SLED, ACUdraw 50, or ACU-52 if its draw cords are worn or frayed. A worn cord is subject to failure, which could cause unpredictable personal injury and/or property damage. Contact TenPoint's Sales Department at 330-628-9245 or your local dealer for replacement cords.
- Do not use your ACUdraw 50 SLED, ACUdraw 50, or ACU-52 to uncock your crossbow. It is dangerous because doing so involves a number of hazardous steps that could cause serious personal injury and/or property damage (see **Uncocking Your Crossbow** on page 13).
- Keep your foot securely inside the foot stirrup when operating the ACUdraw 50 SLED, ACUdraw 50, or ACU-52. If your foot were to slip out of the stirrup, you could dry-fire the crossbow and seriously injure yourself.
- To prevent damage to the crossbow or injury to yourself or others near you, remove the sled or hooks from the bowstring and return it/them to the unit housing before firing the crossbow.

ACUDRAW 50 SLED, ACUDRAW 50, AND ACU-52 OPERATING INSTRUCTIONS

(see steps 1a-5a for ACUdraw 50 and ACU-52 operating instructions)

⚠ WARNING

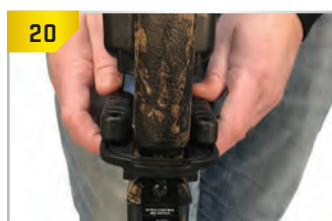
Before operating your ACUdraw 50 SLED, ACUdraw 50 or ACU-52 automated cocking device, read **ACUdraw 50 SLED, ACUdraw 50 and ACU-52 Safety** beginning on page 6 to avoid serious personal injury, loss of life, and/or property damage. (Refer to 3D rendering of device on page 6 for parts reference.)

NOTICE

- Before cocking your crossbow, make sure your safety-knob is in the FIRE (red) position. Otherwise, the bowstring will not set the trigger-safety and engage the string-latch. Instead, the DFI (Dry-Fire-Inhibitor) will catch and hold the string, making it appear as though the bow is cocked when it is not. When the bowstring is captured or held by the Dry-Fire-Inhibitor, the trigger will not fire.
- If you make the mistake of trying to cock the crossbow when the safety-knob is in the SAFE (white) position, and your bowstring is stranded on the DFI instead of captured by the string latch, simply move the safety-knob into the FIRE (red) position, re-attach the ACUdraw 50 SLED, ACUdraw 50 or ACU-52 cocking sled or hooks and complete the cocking motion by pulling the T-handles firmly to complete the cocking motion. The bowstring will set the trigger-safety, and the string-latch will engage the bowstring (see **Manual Cocking Instructions'** NOTICE on page 5 for photos).

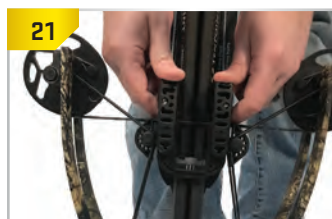
ACUDRAW 50 SLED OPERATION

1. While standing, position the crossbow in front of you with the foot stirrup on the ground. Place your foot securely inside the stirrup and remove the ACUdraw 50 SLED from its storage compartment (photo 20).



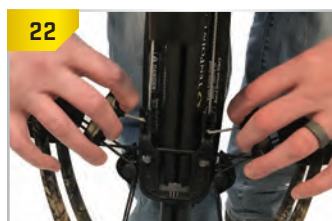
ACUdraw 50 SLED position 1.

2. Reach down and attach the sled to the string (photo 21).



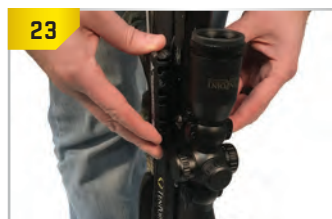
ACUdraw 50 SLED position 2.

3. With your palms facing outward, grasp the T-handles, then simultaneously stand erect and pull up on the T-handles until the bowstring engages the trigger-safety (safety moves from FIRE (red) position to SAFE (white) position) and the string latch engages the bowstring (photo 22).



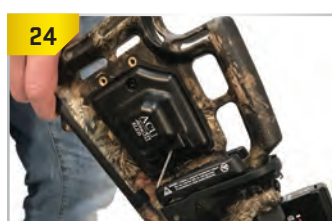
ACUdraw 50 SLED position 3.

4. After the bow has been cocked, place the T-handles on top of the sled. Be sure to align the magnets from the T-handles with the magnets on the sled. The magnets ensure the handles will be held securely to the sled. Then remove the sled from the bowstring (photo 23).



ACUdraw 50 SLED position 4.

5. Return the sled to its storage position in the butt stock (photo 24).



ACUdraw 50 SLED position 5.



ACUDRAW 50 & ACU-52 OPERATION

1a. While standing, position the crossbow in front of you with the foot stirrup on the ground. Place a foot securely inside the stirrup and grasp both T-handles while simultaneously positioning the string hooks between your index fingers and thumbs with the open ends of the hooks facing up (photo 25).



ACUdraw 50 or ACU-52 position 1.

2a. Reach down and attach the hooks to the string from its underside. As you grasp the T-handles, press the hooks flush against the sides of the barrel to ensure you will draw the bowstring straight (photo 26).



ACUdraw 50 or ACU-52 position 2.

3a. Simultaneously stand erect and pull up on the T-handles until the bowstring engages the trigger-safety and the string latch engages the bowstring (photo 27).



ACUdraw 50 or ACU-52 position 3.

4a. While continuing to hold the T-handles, reach down and remove the hooks from the bowstring with your index fingers and thumbs. Retracting both cords simultaneously, turn the open ends of the hook 1/4 of a turn outward as you let the retraction spring reel the cord and hooks inside the housing (photo 28).



ACUdraw 50 or ACU-52 position 4.

5a. Return the T-handles to their storage position against the sides of the butt stock with the warning labels facing out so that they are visible (photo 29).



ACUdraw 50 or ACU-52 position 5.

ACUDRAW 50 SLED, ACUDRAW 50, AND ACU-52 MAINTENANCE

Aside from regularly checking to ensure your draw cord(s) are not frayed or worn, your string hooks are not damaged, and your retraction spring is operating well, the ACUdraw 50 SLED, ACUdraw 50, or ACU-52 is relatively maintenance free. If it is not operating trouble-free, contact Customer Service by calling 330-628-9245, your local dealer, or submit your repair request for a Return Authorization Number (RA) through the website at www.tenpointcrossbows.com.

ACUDRAW 50 SLED, ACUDRAW 50, AND ACU-52 TROUBLESHOOTING

1. My ACUdraw 50 SLED, ACUdraw 50, or ACU-52 cords retract slowly or not at all.

- Your draw cords may be jammed inside the mechanism. Grab the sled or both T-handles and string hooks and fully extend them. They should extend to the bowstring or slightly farther. Then, allow them to retract all the way back (not too fast or too slow), keeping them as close to the barrel as possible.
- Your unit covers may be too tight. Loosen the cover screws. If this does not resolve your problem, completely remove the covers for the next three possible solutions.
- Your draw cords may not have the same number of wraps on each axle. Remove the excess wraps from the side where they exist. *Not applicable to the ACUdraw 50 SLED.
- The mounting of your unit inside the butt stock may be misaligned if your cords are difficult to extend. Loosen the mounting plate screws, realign the unit and re-tighten the screws.
- Your retraction spring is broken if your draw cords can extend but not retract. Contact Customer Service at 330-628-9245 option 2 for more information on spring replacement.

2. My string hooks will not seat correctly inside the unit covers.

- If you turn the open ends of the hook outward, the retraction spring will draw them inside the covers. Note that only the brass pulley portion of the hooks fit inside the covers. *Not applicable to the ACUdraw 50 SLED.

3. My ACUdraw 50 SLED, ACUdraw 50, or ACU-52 draw cords are frayed, worn, or cut.

- Do not use your ACUdraw 50 SLED, ACUdraw 50, or ACU-52. Contact Customer Service at 330-628-9245 option 2 for more information on cord replacement.



4. My ACUdraw 50 hooks jump/pop over the top of the barrel when I attempt to cock the crossbow.

- a. With a firm grip, slowly lower the ACUdraw 50 handles to return the string to its uncocked position.
- b. Reposition the hooks firmly against the sides of the barrel.
- c. Simultaneously stand erect and pull on the T-handles, keeping your hands below the plane of the string on the barrel, and pull back toward your body as the string nears the trigger box.

NOTE: Do not lean forward while performing this step or the hooks will jump/pop over the barrel due to the severe bowstring angle.

ACUDRAW PRO AND ACUDRAW COCKING DEVICES



ACUdraw PRO schematics.



ACUdraw schematic.

NOTICE

- Models with the FST (Functionally Superior Thumbhole) stock, Fusion Lite stock, Fusion Ultra-Lite stock and pre-2018 Wicked Ridge stocks are equipped with a standard string-claw holder used to store the claw when not in use (photo 30). After returning the claw to its storage position, carefully turn the crank one or two clicks (not turns) to tighten the draw cord to secure it. Do not over-tighten the cord to avoid breaking the claw holder.
- Models with the FSB (Functionally Superior Bullpup) stock, store their ACUdraw string-claws vertically in a molded slot in the stock behind the trigger box (photo 31). Once fully inserted into the storage slot, a claw clip will secure the claw in place. Do not try to tighten the draw cords to help secure the claw on these models. Otherwise, you will pull the claw out of its storage position and break the claw clip.



Standard string-claw holder.



String-claw storage with claw clip.

- Models with the ABX (Adjustable Bullpup Crossbow) stock, Fusion S stock, C3 Carbon stock, FRX (Fusion Reverse Draw Crossbow) stock, and X-CORE Wicked Ridge stocks store their string-claws vertically in a slot without a clip (photo 32). Do not try to tighten the draw cords to help secure the claw on these models. Otherwise, you may damage the stock.



Vertical string-claw storage without clip.

ACUDRAW PRO AND ACUDRAW SAFETY

The ACUdraw PRO and ACUdraw are powerful cocking devices. Their power requires that you take care to master their operating techniques to avoid damaging the device or injuring yourself or others. Carefully review the safety and operating instructions in this section.

▲WARNING

- Prior to using your ACUdraw PRO or ACUdraw, you should watch and follow the **Owner's Instructional Videos** at www.tenpointcrossbows.com and read and follow the **Hand and Finger Safety** (page 3), **Trigger and Trigger-Safety Protocol** (page 4), **Loading and Unloading** (page 12), **Uncocking Your Crossbow** (page 13), **Sighting In Your Crossbow** (page 14), **Shooting Your Crossbow** (page 15), **Treestand Safety** (page 16), and **Arrow Requirements and Safety** (page 17) sections of this manual. Failure to follow the warnings and instructions may result in property damage and/or serious personal injury or loss of life.
- When **cocking your crossbow with an ACUdraw PRO or ACUdraw** automated cocking device, do not forget to return the string-claw to its storage position after cocking the crossbow and before loading an arrow. Failure to remove the string-claw after cocking the crossbow will cause serious personal injury and/or property damage from flying parts or debris.
- When **cocking your crossbow with an ACUdraw PRO or ACUdraw** automated cocking device, do not over-crank it. Stop cranking as soon as you both hear and see the safety-knob slide from FIRE (red) to SAFE (white) and also hear the string latch engage the bowstring. Continuing to crank it beyond this point can lift the trigger box out of alignment and break the draw cords, sending the string-claw flying, and potentially causing serious personal injury and property damage.
- When **cocking your crossbow with an ACUdraw PRO or ACUdraw** automated cocking device, do not place your foot in the foot stirrup. In the unlikely event the string-claw were to break away from the draw cords, the claw could injure or possibly break your toes or foot from the impact or cause other personal injury and property damage.



- The ACUdraw PRO or ACUdraw crank's hex-socket contains a small neodymium magnet designed to help hold the socket on the drive hex when cranking the device. The magnet can interfere with the operation of pacemakers or other electronic medical implants and, therefore, cause serious personal injury if you put them in close proximity to the implant. Check with your physician for advice. The magnet can be removed if necessary. Contact Customer Service at 330-628-9245 option 2 for additional magnet information.
- Do not use your ACUdraw PRO or ACUdraw if its draw cord is worn or frayed. A worn cord is subject to failure, which would send the claw flying and potentially cause unpredictable personal injury or property damage.
- Do not use your ACUdraw PRO or ACUdraw to uncock your crossbow. Doing so involves a number of hazardous steps. Primarily, however, disengaging the safety pawl to allow the crank to unwind counter-clockwise may make it slip out of your grasp and spin dangerously out of control, potentially causing serious personal injury and/or property damage (see **Uncocking Your Crossbow** on page 13).
- Before cranking your ACUdraw PRO or ACUdraw, engage the safety pawl and make certain the string-claw is securely seated on the bowstring. Otherwise, you may lose control of the crank, dry-fire the crossbow and/or send the crank spinning out of control. Failure to heed this warning may cause serious personal injury and/or property damage.

ACUDRAW OPERATING INSTRUCTIONS

▲WARNING

Before operating your ACUdraw PRO or ACUdraw automated cocking device, read **ACUdraw PRO or ACUdraw Safety** beginning on page 9 to avoid serious personal injury, loss of life, and/or property damage. (Refer to 3D rendering of device on page 8 for parts reference.)

Do not force the ACUdraw PRO auto-engage lever down while cranking the device (disengaging the safety pawl). The ACUtorq handle may slip out of your grasp and spin dangerously out of control.

▲CAUTION

There is no anti-over-cranking/slip-clutch feature when cocking your crossbow with an ACUdraw PRO and an original ACUdraw crank handle (not an ACUtorq handle).

When cocking your crossbow with the ACUdraw PRO, make sure the string is fully seated in the string latch, not resting on the DFI, before removing the claw from the bow string. It may be difficult to get the claw properly seated back on the string.

NOTICE

- Before cocking your crossbow, make sure your safety-knob is in the FIRE (red) position. Otherwise, the bowstring will not set the trigger-safety and engage the string-latch. Instead, the DFI (Dry-Fire-Inhibitor) will catch and hold the string, making it appear that the bow is cocked when it is not. When the bowstring is captured or held by the Dry-Fire-Inhibitor the trigger will not fire when you pull it.

If you make the mistake of trying to cock the crossbow when the safety-knob is in the SAFE (white) position, and your bowstring is stranded on the DFI instead of being captured by the string latch, simply move the safety-knob into the FIRE (red), reattach the ACUdraw claw to the bowstring and complete the cocking motion. The bowstring will set the trigger-safety, and the string-latch will engage the bowstring. (See **Manual Cocking Instructions'** NOTICE and photos on page 5).

- Once you have cocked your crossbow, do not try to force the safety pawl to disengage it. You must first relieve the bowstring pressure it is under to avoid damaging the unit or injuring yourself. While firmly gripping the crank handle, crank the mechanism clockwise 1/4 to 1/2-inch to take the pressure off the pawl while you disengage it with your free hand. Then slowly unwind the crank counter-clockwise 2 1/2 to 3 turns to fully relax the bowstring tension. Then, you can remove the crank from the hex drive and return the claw to its storage position.
- On models that store the string-claw vertically in a molded slot behind the trigger box when not in use, do not tighten the draw cords to secure the claw. Doing so can damage the claw or its claw retention clip if it has one. When the claw is fully inserted into the storage slot, the claw clip secures it on some models (see NOTICE and photos on page 9).
- On models that store the string-claw horizontally on a standard claw holder mounted behind the trigger box when not in use, secure the string-claw in place by carefully cranking the mechanism clockwise one or two clicks only (not turns). Do not over-tighten the cords to avoid breaking the claw holder (see NOTICE and photos on page 9).
- On models equipped with the ACUdraw PRO, the cranking operation is silent except when the lever is initially engaged.
- The ACUtorq with black cap is for use on ACUdraw PRO units and on the Nitro XRT, Nitro X, Stealth NXT and Shadow NXT crossbows. The ACUtorq with red cap is for use on most ACUdraw units except the Nitro XRT, Nitro X, Stealth NXT and Shadow NXT crossbows (see photo 33).

33



ACUtorq handles.

- Do not allow the draw cord to get hung up on any portion of the scope or other accessories while cranking the ACUdraw PRO or ACUdraw device because the cord could break or damage the scope adjustment dial covers.



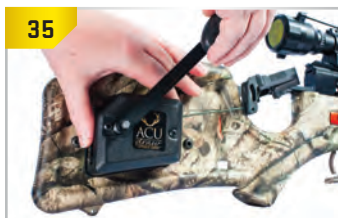
- On crossbow models equipped with an arrow retention spring rather than an arrow retention brush, make sure the front of the spring is not sitting so low that string-claw cannot pass under it. If the retention spring is too low, the claw may catch and bend the spring, damaging it beyond repair.

- Make sure your safety is in the FIRE (red) position (photo 34).



Make sure your safety is in the FIRE (red) position.

- If your crossbow is equipped with a standard claw holder (horizontally mounted behind trigger box), relieve the string pressure on the claw by connecting the crank to the drive hex, applying a slight amount of clockwise pressure on the crank, and disengaging the safety pawl (photo 35). Remove the crank.

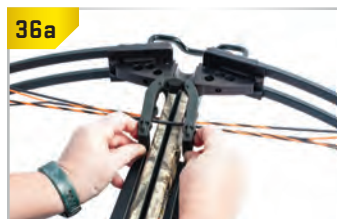


Relieve the tension on the ACUdraw device before lifting the claw out of its storage position (approximately 1/4-inch to 1/2-inch).

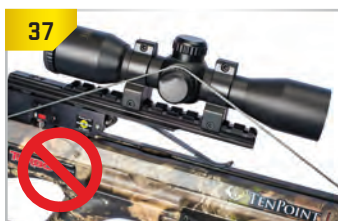
- Take the string-claw from its storage position, pull it over the scope and securely connect it to the bowstring by its string slots. The claw's guide post will lower comfortably into the barrel's arrow flight groove (photo 36 or 36a). Make sure the draw cord does not get hung up on the scope (photo 37).



Connect the string slots to the bowstring and lower the guidepost into the barrel's flight groove.



Connect the string slots to the bowstring and lower the guidepost into the barrel's flight groove.



Don't allow the draw cords to get hung-up on any part of the crossbow, scope or accessories.

- Engage the safety pawl and re-insert the ACUtorq handle or the crank in the drive hex (photo 38 or 38a). **NOTE:** The safety pawl will automatically engage on the ACUdraw PRO as you begin to crank the device.



Insert the ACUtorq and begin cranking.



Engage the ACUdraw safety pawl, insert the crank and begin cranking.

- Stand the crossbow erect on its foot stirrup (or lay it on a table) with your hand securely on the butt stock. Do not place your foot inside the stirrup (see **ACUdraw PRO and ACUdraw Safety WARNINGS** on page 9).
- With your eye on the safety knob, begin cranking the mechanism clockwise. The bow is cocked when you see and hear the safety knob click from the FIRE (red) position into the SAFE (white) position (about 11-12 turns with the ACUdraw PRO and about 20-30 with the ACUdraw). Do not over-crank the device (see **ACUdraw PRO and ACUdraw Safety WARNINGS and NOTICES** beginning on page 9). Severe damage to the crossbow and/or unit or possible injury can result from over-cranking.
- Make sure the safety knob is in the SAFE (white) position and the bowstring is being held by the string latch and not the DFI (See **Operating the ACUdraw PRO and ACUdraw NOTICE** on page 10).
- Once cocked, you can see that the claw holds the bowstring under heavy pressure (photo 39 or 39a). You must relieve that pressure before you can remove the claw from inside the bowstring slot in the trigger box. Push the crank clockwise slightly (approximately 1/4-inch to 1/2-inch), disengage the safety pawl, and reverse crank the mechanism two or three turns until the string goes slack. **NOTE:** Lower the safety pawl on the ACUdraw PRO before you begin to relieve the pressure. As you reverse crank the mechanism, the safety pawl will pivot downward slightly as the ACUtorq passes by it.



Notice that the string is under heavy tension once the bow is cocked.



Notice that the string is under heavy tension once the bow is cocked.

- Remove the ACUtorq handle or the crank handle and return the claw to its storage position (Refer to NOTICES on page 9 for more details on this technique).



ACUDRAW MAINTENANCE

Like any precision instrument, the ACUdraw PRO and ACUdraw require occasional maintenance to remain in good working condition. Follow these recommendations:

- Prior to each use, examine the unit to make certain it is in good working condition. If your unit requires repair or inspection, contact TenPoint's Customer Service Department at 330-628-9245 option 2, your local dealer, or submit your request at www.tenpointcrossbows.com for a Return Authorization Number (RA) and return instructions.
- Keep the interior works of your ACUdraw unit lightly oiled and dry when not in use. If the mechanism gets wet, remove the covers, dry it with a hair dryer, and lightly oil it using TenPoint's Premium Lubricant featuring Scorpion Venom (HCA-112) or Flight Rail and Trigger Lube™ (HCA-111) to keep it operating smoothly and free from rust. *Place a small drop of oil on the ACUdraw PRO bearings and on the drive shaft (where the ACUtorq is inserted). There is no need to oil the ACUdraw PRO gears, they are self-lubricating.
- To protect the draw cords from fraying and dry rot, occasionally use TenPoint's Premium Lubricant featuring Scorpion Venom (HCA-112) or String Wax and Conditioner (HCA-11007) to lightly lubricate it.

⚠️ WARNING

At the first sign of cord wear, do not use your ACUdraw PRO or ACUdraw. Contact TenPoint's Sales Department or your local dealer to arrange a cord replacement. If your string were to break, the claw could fly out of control and cause severe personal injury and property damage.

ACUDRAW TROUBLESHOOTING

This section may help you identify common operational issues with your ACUdraw device. You may be able to fix some of them or you may have to contact TenPoint's Customer Service at 330-628-9245 option 2, your local dealer, or submit your Return Authorization (RA) request at www.tenpointcrossbows.com, www.hortoncrossbows.com, or www.wickedridgecrossbows.com.

- 1. My ACUdraw PRO or ACUdraw string-claw/cord retracts slowly or not at all.**
 - Your ACUdraw covers may be too tightly screwed on. Loosen them.
 - Your draw cord may have more wraps on one hub than the other. Remove the covers and unwind the excess wrap(s).
 - You may have a broken retraction spring if the claw will not retract after pulling it out. Contact Customer Service for more information on spring replacement.
 - Your ACUdraw device may be mounted off-balance inside the butt stock, making it difficult to extend the claw and draw cords. Locate the three 1/8" Allen alignment set screws on the safety pawl side of the unit (one above the pawl, one below it, and the third slightly forward of the front/bottom side-plate screw). Only two full threads should be visible on each. Adjust if necessary. Then, adjust the corresponding setscrews on the opposite side of the unit to keep the unit from shifting its position. Do not over-tighten. Additional minor adjustments -one screw at a time - may be necessary. When re-adjusting the setscrews does not totally correct the problem, the plate screws (four on each side) may be too tight. Adjust them.

2. My ACUdraw PRO or ACUdraw cord is dried out and getting fuzzy, or it is frayed, or cut.

- Apply a thin coat of string wax if your cord is dry and getting fuzzy.
- Do not use your ACUdraw if your cord is frayed or cut. Contact the Sales Department or your local dealer for a replacement cord.

3. My ACUdraw makes a loud, squealing noise when I pull and retract the claw and cord.

- Your safety pawl gear and axle likely needs lubricated. Remove the pawl-side cover and apply a small amount of light-weight oil.

4. My ACUdraw safety pawl will not stay in the "up" position.

- Remove the safety-pawl side cover.
- Your safety pawl spring may have slipped off the roll pin. Reattach the tail of the spring.
- The safety pawl spring may be stretched. Contact Customer Service for a replacement pawl spring.

5. When I crank my ACUdraw, the claw will only draw the bowstring back a couple of inches and then retreat.

- You have a broken sear pin, a common problem with those who try use the ACUdraw to un-cock their crossbow. Contact Customer Service to return your bow for repair.

If you have other problems or questions, checkout our website, www.tenpointcrossbows.com and access: Videos > Instructional Videos > Now You Know Instructional Videos or My TenPoint > Talkin' TenPoint > TenPoint Tips. Or, e-mail us from the website or call Customer Service at 330-628-9245, option 2.

LOADING AND UNLOADING YOUR CROSSBOW

LOADING AND UNLOADING AN ARROW SAFELY

⚠️ WARNING

- Prior to using your crossbow, you must watch and follow the **Owner's Instructional Videos** at www.tenpointcrossbows.com and read the **Hand and Finger Safety** (page 3), **Trigger and Trigger-Safety Protocol** (page 4), **Uncocking Your Crossbow** (page 13), **Sighting In Your Crossbow** (page 14), **Shooting Your Crossbow** (page 15), **Treestand Safety** (page 16), and **Arrow Requirements and Safety** (page 17) sections of this manual. Failure to **always** follow the manual's safety advice and operating instructions may result in property damage and/or serious personal injury or loss of life.
- Do not load an arrow in your crossbow until you are situated where you intend to shoot. In other words, do not walk or stalk with a loaded crossbow. It is especially easy to trip and fall in low-light conditions or over rough terrain. There are documented cases of loss of life caused from falling while walking with a loaded crossbow.
- Do not hand a loaded crossbow to another person or point a loaded crossbow in the direction of another person. Unload the arrow first to avoid serious injury, including loss of life caused by an accidental discharge.



- Broadheads are razor sharp. Do not handle the blades with your bare hands and keep your arrows safely stored in a quiver when not in use. If mishandled, arrows can cause serious personal injury, including loss of life.
- When loading or unloading an arrow, do not allow any part of either hand inside the release path of the bowstring. If the bow were to fire accidentally with any part of your hand inside the bowstring's release path, you would sustain serious personal injury and possible amputation to parts of your hand left inside the bowstring's release path.
- Unload your arrow and return it to your quiver when you are finished hunting. An accidental discharge could cause serious personal injury, including loss of life.
- Only use arrows equipped with Alpha-Nocks on all 2019 and newer TenPoint crossbows. You may use either the Alpha-Nock or Omni-Nock on all pre-2018 and later TenPoint crossbows, and Horton and Wicked Ridge crossbows. Otherwise you may dry-fire the crossbow and/or misfire the arrow, potentially causing personal injury, damage to the bow, or other property damage.
- Always inspect your arrow for any sign of damage prior to each shot. Damaged arrows could fail upon release, leading to personal injury or death. Do not shoot a damaged arrow. Inspect and discard any damaged arrow.

ARROW LOADING INSTRUCTIONS

1. When loading an arrow, hold it between your index and middle fingers and your thumb, just behind the broadhead or field point (photo 40). This method keeps your fingers away from the path of the bowstring.



40
PROPER POSITIONION. Hold the arrow with your index and middle finger and your thumb just behind the broadhead.

2. Insert one of the vanes into the barrel's flight groove (photo 41).



41
Insert one of the vanes into the barrel's flight groove.

3. Slide the nock end of the arrow under the arrow retention spring or retention brush and lower the front of the arrow into the barrel's flight groove. Continue sliding the arrow shaft into the trigger box's string slot until it stops against the bowstring. At this point, your hand and fingers should be safely in front of the end of the bowstring's release path and out of harm's way.

ARROW UNLOADING INSTRUCTIONS

1. Ensure your finger is off the trigger and the safety is in the SAFE (white) position.
2. Hold the arrow between your index and middle fingers and your thumb, just behind the broadhead or field point. Slide it out from underneath the arrow retention spring or retention brush (see photo 40).
3. Secure the arrow in your quiver.

UNCOCKING YOUR CROSSBOW

▲WARNING

- The only safe way to uncock your crossbow is to shoot it using a practice arrow.
- Do not attempt to uncock your crossbow by hand or by using an ACUdraw PRO, ACUdraw, ACUdraw 50 SLED, ACUdraw 50, ACU-52, ACUsled, ACUrope, Rope Sled, Dedd Sled 50 or, Dedd Sled, Rope-Cocker, or other mechanism because doing so could cause you to lose control of the bowstring, resulting in a dry-fire or possible serious personal injury and property damage.
- Do not dry-fire the crossbow to uncock it. The crossbow requires the weight of the arrow to absorb the bow's energy and to prevent damage to the bow or other property damage or personal injury from possible shattering of the bow assembly.
- Do not use aftermarket unloading arrows or discharge heads. The excessive weight of aftermarket discharge arrows or heads may cause the bowstring to shoot over or under the nock, thereby dry-firing the crossbow.

UNCOCKING YOUR CROSSBOW

1. The only safe way to uncock your crossbow is to shoot it using a practice arrow.
2. If your state allows you to carry an arrow with a practice or field point while hunting, keep one in your quiver and shoot it into rock-free ground after your hunt. If you choose this option, aim roughly three-to-five feet in front of you. If you aim further out, you may bury your arrow and not recover it.
3. You can also carry a special purpose unloading target in your vehicle. Toss it on the ground, load your arrow, and fire it into the target (photo 42).
4. Finally, if you own a practice target at home, you can transport your cocked, unloaded crossbow in your car trunk or truck bed until you return home.



42
Special purpose unloading target.



SIGHTING IN YOUR CROSSBOW

SIGHTING IN SAFETY

▲ DANGER

- Prior to sighting in your crossbow you must read and follow the warnings and instructions in the **Hand and Finger Safety** section on page 3 to avoid serious personal injury or amputation.

▲ WARNING

- Prior to sighting in your crossbow, you must read and follow the warnings and instructions in the **Trigger and Trigger-Safety Protocol** section (page 4) to avoid property damage and/or serious personal injury or loss of life.
- Prior to shooting your crossbow, you must read and follow the warnings and instructions in the **Cocking Your Crossbow** (page 5), **Loading and Unloading Your Crossbow** (page 12), **Uncocking your Crossbow** (page 13), **Shooting Your Crossbow** (page 15), **Treestand Safety** (page 16), and **Arrow Requirements and Safety** (page 17) sections of this manual. Failure to follow the warnings and instructions may result in property damage and/or serious personal injury or loss of life.
- Ensure your crossbow is un-cocked and unloaded when making windage and elevation adjustments to your scope. An accidental discharge could cause serious property damage and personal injury, including loss of life.

NOTICE

- Keep your scope away from acid, alkaline or other corrosives to avoid damaging it.
- Illuminated scopes require a lithium 2032 size battery. Lithium batteries have a shelf life of up to ten years. They operate in temperatures far below that of other power cells, and their life-in-use depends upon the number of hours and brightness intensity while in service.

SCOPE SIGHTING

Most TenPoint, Horton, and Wicked Ridge crossbows are equipped with scopes and fixed 7/8-inch Weaver style dovetail scope mounts. Regardless of the sighting system, all models are pre-sighted for 20-yards at the factory, meaning they are set accurately enough to hit a 7-inch pie tin at that distance. Most likely, you will want to fine-tune your sight.

Magnified Scope Focus Adjustment:

If the reticle is not in focus when you look through the scope, adjust the focus by rotating the non-locking ring on the end of the rear bell.

Lighted Scope Adjustments:

- You can, however, view the yardage indication crosshairs/dots in black when the Red and Green illumination intensity dial is turned off (see below). Black crosshairs/dots provide the best results in bright light conditions. The illuminated Red and Green dot views are intended for use in low-light conditions.

NOTE: Chevrons in the Marksman Scope are not illuminated.

- Adjust the illuminated crosshairs/dots brightness by turning the intensity dial on the scope. The higher the intensity number, the brighter the crosshairs/dots will appear. Use the lowest intensity

number possible to achieve maximum accuracy. The intensity dial is also the “on” and “off” switch. The power is off when the dial is set on “R” or “G”. Illuminate the crosshairs/dots by turning the intensity dial (in the Red or Green direction) to align your desired intensity number with the index dot located at the top of the dial. To conserve battery-life turn the power off when the scope is not in use. You can, however, leave the power on for the duration of your day’s hunt.

ELEVATION AND WINDAGE ADJUSTMENTS:

Marksman Scope

This scope’s view features five vertically stacked crosshairs and two vertically stacked chevrons. The crosshairs are calibrated in 10-yard increments from 20-60-yards, and the chevrons are calibrated for 70- and 80-yards. The top crosshair is the 20-yard setting and the bottom crosshair is the 60-yard setting.

Before fine-tuning the sight, set the speed dial on the scope to match the advertised speed of your crossbow. Sight the scope in at 20-yards using the 20-yard crosshair/dot. If the impact point of your arrow grouping is different than your aiming point, make elevation (vertical) and windage (horizontal) corrections using the elevation and windage dials at the top and side of your scope respectively. Remove the caps to access the dials. Turn the dials in the direction of the correction you want to make (up/down for elevation or right/left for windage). Continue the adjustments until your 20-yard aiming and impact points coincide. Once the 20-yard correction is made, the remaining crosshair/dot should be relatively accurate. To make fine-tuning elevation adjustments at 40- or 50-yards once you have sighted in at 20-yards, use the speed dial for your adjustment. If the impact point of your group is high at 40- or 50-yards, adjust the dial to a higher speed. If your impact point is low, adjust to a lower speed.

RangeMaster Pro Scope

This scope’s view features three horizontally stacked lines and five vertically aligned dots/triangle. The three lines accompany the top three dots. The fourth dot and a triangle are free-standing (without lines). The dots/triangle are calibrated in 10-yard increments from 20- to 60-yards. The top dot is the 20-yard dot and the triangle at the bottom is the 60-yard setting. Using the windage and elevation dials described above for the Marksman Scope, make your final corrections.

3x Pro-View 3 Scope

This scope’s view features three horizontally stacked lines and five vertically aligned dots. The three lines accompany the top three dots. The fourth and fifth dots are free-standing (without a line). The dots are calibrated in 10-yard increments from 20- to 60-yards. The top dot is the 20-yard dot and the bottom is the 60-yard dot. Beginning at 20-yards, shoot several arrows to see how close your aiming point and impact point are using the 20-yard dot. Using the windage and elevation dials described above for the Marksman Scope, make your approximate corrections. Make your final corrections at 30-yards, using the 30-yard dot/line aiming point.

NOTE: At 30-yards it takes approximately four clicks on the adjustment dials to move your impact point 1/4 of an inch.

Multi-Line Scope

Our multi-line scope provides four horizontally stacked yardage selection lines. They are calibrated in 10-yard increments from 20- to 50-yards with the top line at 20-yards and the bottom at 50-yards. The exact yardage may vary based on the speed of the crossbow. Adjust windage and elevation in the same manner described for the 3x Pro-View 3 Scope above.



SHOOTING YOUR CROSSBOW

SHOOTING SAFETY

▲ DANGER

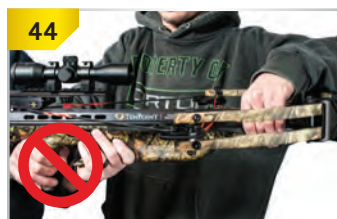
- Prior to shooting your crossbow you must read and follow the warnings and instructions in the **Hand and Finger Safety** section on page 3 to avoid serious personal injury or amputation.

▲ WARNING

- Prior to shooting your crossbow, you must read and follow the warnings and instructions in the **Trigger and Trigger-Safety Protocol** section (page 4) to avoid property damage and/or serious personal injury or loss of life.
- Prior to using your crossbow, you must watch and follow the warnings and instructions in the **Owner's Instructional Videos** at www.tenpointcrossbows.com and read the **Cocking Your Crossbow** (page 5), **Uncocking your Crossbow** (page 13), **Loading and Unloading Your Crossbow** (page 12), **Sighting In Your Crossbow** (page 14), **Treestand Safety** (page 16), and **Arrow Requirements and Safety** (page 17) sections of this manual. Failure to follow the warnings and instructions may result in property damage and/or serious personal injury or loss of life.
- Be certain of your intended target and what is beyond it before pulling your trigger. An arrow can cause serious personal injury, property damage, or loss of life even beyond its effective hunting range.
- When hunting, avoid pulling the trigger just because you see movement. That movement could be a hunter dressed in camouflage clothing.
- When at a shooting range, make sure your loaded crossbow is always pointed down range. Accidentally pointing your crossbow in the direction of someone next to you while engaged in conversation is extremely dangerous and potentially life threatening if you experience an accidental discharge.
- Make certain others are well behind you when you are shooting. If the limbs, bowstring, cables or cocking unit cords were to break, you could seriously injure someone beside you.
- When target-shooting, set up in a safe, open area with a proper target and backstop.
- When handing your cocked crossbow to another person, unload your arrow first and make sure the trigger safety is engaged. Then be careful that both you and the other person do not grip the crossbow inside the bowstring's release path (photos 43-44). An accidental discharge could cause serious personal injury, amputation, or loss of life.



Proper transfer.



Improper transfer.

- Make certain your crossbow limbs are unobstructed when shooting. Bow limbs hitting obstructions like a tree, branches or a ground blind could cause serious personal injury including loss of life to you or those nearby.
- Inspect your crossbow prior to every use. Do not use the crossbow if damage is apparent or suspected. Never shoot a damaged crossbow.

NOTICE

All TenPoint, Horton, and Wicked Ridge crossbows come equipped with a DFI (Dry-Fire-Inhibitor), which prevents the crossbow from dry-firing if you forget to load an arrow.

SHOOTING INSTRUCTION AND TECHNIQUE

It is easy to make a bad shot. To shoot accurately you must practice proper shooting technique. "Practice makes perfect", as the saying goes. Here are the steps to follow:

1. When shooting from a standing position, spread your feet approximately shoulder-width apart, and position your body either perpendicular to your target in a closed stance or quartering toward the target at a 45-degree angle in an open stance. Choose the stance that is most comfortable to you (photos 45-46).



Proper foot position.



Proper foot position.

2. Whether standing or sitting, shoulder the crossbow keeping your fore-grip hand and fingers and thumb on the fore-grip and below the arrow flight deck. Do NOT place any portion of body into the path of the bowstring.
3. Position your cheek on the middle of the stock's cheek piece or comb and make sure you have a clear sight picture through the scope.
4. Position your trigger-finger on the side of the stock just above the trigger and pointing toward your target (photo 47). Do not place it on the trigger until you are ready to shoot.
5. Keep both elbows tight to your sides so your body's core will help support and steady the bow (photo 48).



Position finger on the side of the stock.



Keep elbows close to your body.

6. Ensure that your crossbow limbs are well clear of any obstacles they could bump into once you pull the trigger.
7. If shooting from a bench rest, your fore-grip hand is particularly vulnerable to misplacement. Be careful to keep your fingers and thumb below the surface of the arrow flight deck and away from the bowstring's release path (photo 49). Do NOT place any portion of your body into the path of the bowstring.



Keep your thumb and fingers below the flight deck and away from the cables to avoid injury.

8. When ready to shoot, slide the trigger's safety-knob from the SAFE (white) position to the FIRE (red) position.
9. Place your trigger-finger on the trigger, take a breath, and release about 2/3 of it. Squeeze the trigger slowly until the bow fires. This breath control and trigger pull technique will help keep your aim steady and improve your accuracy.
10. Follow the arrow flight through the scope until the arrow hits your target rather than looking up as soon as you pull the trigger. This follow-through technique will also improve your accuracy.

TREESTAND SAFETY

▲ DANGER

- Prior to hunting from a treestand you must read and follow the warnings and instructions in the **Hand and Finger Safety** section on page 3 to avoid serious personal injury or amputation.

▲ WARNING

- Prior to hunting from a treestand, you must read and follow the warnings and instructions in the **Trigger and Trigger-Safety Protocol** section (page 4) to avoid property damage and/or serious personal injury or loss of life.
- Prior to hunting from a treestand, you must read and follow the warnings and instructions in the **Cocking Your Crossbow** (page 5), **Loading and Unloading Your Crossbow** (page 12), **Uncocking your Crossbow** (page 13), **Sighting In Your Crossbow** (page 14), **Shooting Your Crossbow** (page 15), and **Arrow Requirements and Safety** (page 17) sections of this manual. Failure to follow the warnings and instructions may result in property damage and/or serious personal injury or loss of life.

- Treestands are used at height. Whenever hunting at height there is an inherent danger of falling. Use only a treestand that has been tested by a third party testing laboratory to meet or exceed industry standards recognized by the Treestand Manufacturer's Association. Read and follow all written and video warnings and instructions that are provided with your treestand.
- When hunting from a treestand, always wear an approved safety harness, and keep it connected to a tree-strap while in the stand to protect against a life-threatening fall.
- To avoid a life-threatening fall, install a rope device with each treestand you purchase; which allows you to keep your harness attached to the tree at all times after leaving the ground.
- Cock but do not load your crossbow when you arrive at your treestand. It is too dangerous to cock a crossbow manually, with an ACUdraw 50 SLED, ACUdraw 50, ACU-52, ACUsled, ACUrope, or other rope-cocker from a standing position while in a stand. You may, however, cock your crossbow from a seated and secure position if you use an ACUdraw.
- To avoid injury from a potential fall, do not carry your crossbow while climbing up and into your stand. Attach a bow rope to the butt stock end of the bow so that you can safely pull it up to the stand once you are seated and buckled in.
- Once in your treestand and secured to the tree-strap, you can safely hoist your unloaded crossbow.
- When handling your crossbow in the treestand do not grab or hold it by the barrel and fore-stock, thereby putting your hand into the release path of the bowstring.
- Before loading an arrow, check your shooting lanes to ensure no obstructions are in the release path of your crossbow limbs. If your limbs were to hit a branch or other obstruction when shooting, the impact could damage your bow, knock you off balance and out of your stand, or otherwise severely injure you.
- Following your hunt, remove your arrow and return it safely and securely to your quiver. Attach the unloaded crossbow to your bow rope and lower it to the ground. Disconnect your safety harness from the tree-strap, but make certain it remains connected to your rope device before you begin your decent. Once on the ground, you can disconnect your harness safety-strap from the rope device.

ARROW REQUIREMENTS AND SAFETY

NOTICE

All 2019 TenPoint crossbows are shipped with and require the use of Alpha-Nock arrows. Failure to use Alpha-Nocks or the Alpha-Brite system on any 2019 TenPoint crossbow will void your warranty.

All TenPoint, Horton Crossbow Innovations, and Wicked Ridge crossbows manufactured between 2013 and 2018 require arrows equipped with TenPoint's Alpha-Nock or Alpha-Brite system, or the patented Omni-Nock, Omni-Brite, or Omni-Brite 2.0 nock systems. **Using any other nock will void your warranty.**

TenPoint's Alpha-Nock features a deep bowstring groove, a large smooth radius base, and elongated ears. The string on TenPoint's extremely narrow crossbows wraps tightly around the center of the Alpha-Nock resulting in straight nock travel and precision down-range accuracy, while minimizing string serving wear.



The Alpha-Nock's deep groove and large radius base "holds" the bowstring in place on extremely narrow crossbows to prevent "shoot-over" or "shoot-under" misfires.

In addition, its concave and convex design promotes full engagement of the diameter of your crossbow's center string serving, while increasing the energy transferred directly to the centerline of the arrow.

Index the Alpha-Nock's raised ball, index feature with the arrow's cock vane (odd colored vane). The flat surface on the opposite side of the nock should be aligned directly between the two same colored vanes.



Correct Alpha-Nock Orientation

Even if you slightly misalign an Alpha-Nocked or Omni-Nocked arrow, the nock will correct the alignment as arrow acceleration begins.

▲WARNING

- Do not use arrows with flat, moon, or capture nocks because they may cause the crossbow to malfunction. On today's narrower crossbows with acute string angles when held by the string latch, the Alpha-Nock and Alpha-Brite nock systems are designed to prevent the bowstring from shooting over or under the nock and, thereby, causing a dangerous dry-fire that could damage the crossbow or cause personal injury or other property damage.
- Inspect your arrows before shooting them to determine that they are not bent or damaged. A bent shaft or damaged nock could cause the arrow to fly in an unintended direction which could potentially cause serious injury to you or a bystander.
- Inspect carbon arrow shafts for hairline fractures or cracks. Firing a damaged carbon shaft can cause it to shatter, scattering fragments, which could seriously injure you or others.
- Use standard weight arrows weighing at least 420-grains on Wicked Ridge and TenPoint crossbows manufactured before 2012. Crossbows manufactured in 2012 and newer (including Horton Crossbow Innovations crossbows) require arrows with a minimum weight of 370-grains (except the Ranger™ which can use a minimum of 350-grains). Using arrows lighter than recommended can cause a dry-fire effect and cause the limbs to break resulting in serious personal injury.

REVERSING THE TRIGGER'S SAFETY KNOB

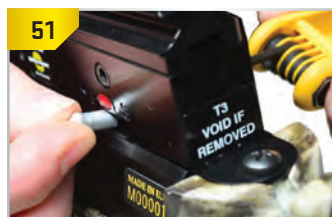
Left handed shooters may prefer to change the location of the trigger mechanism's safety knob to the opposite side of the trigger box. To do so, follow these instructions:

1. With the back of the trigger box and butt stock facing your body, hold the safety knob stationary (located on the right side of the trigger box) while you unscrew its hex-head cap screw located on the opposite side of the trigger box with a 7/64-inch Allen wrench (photo 50).



Remove the hex-head cap screw.

2. Remove both the safety knob and hex-head screw from their connection inside the safety slide.
3. Insert the safety knob into its hole on the left side of the safety slide and hold it stationary while you re-insert its hex-head cap screw into the safety knob's threaded receiver from the right side of the trigger box and tighten it lightly with the Allen wrench (photos 51-52).



Insert aluminum safety knob.



Re-insert the hex-head cap screw into the safety knob.

CROSSBOW MAINTENANCE

▲WARNING

- Prior to performing any maintenance on your crossbow, you must read and follow the warnings and instructions in the **Hand and Finger Safety** (page 3), and **Trigger and Trigger-Safety Protocol** (page 4) sections of the manual.
- Keep your crossbow uncocked and unloaded when performing any maintenance on it to avoid the potential injuries and damage caused by an accidental discharge.
- Wear safety glasses when performing maintenance to protect your eyes from any unpredictable accidents which could damage them.
- Do not modify your crossbow, make custom adjustments to it, or remove or deactivate its safety features to avoid potential personal injury or property damage. Making modifications will also void your warranty.
- Do not cock, load, or shoot your crossbow if it requires maintenance or repair of any kind. If your bow is not in top working condition, it might malfunction and cause serious personal injury to you or others, or cause serious property damage.

▲CAUTION

- Do not perform any work on your crossbow that should be done at the factory or by a qualified professional with proper tools.
- Do not apply string wax to the center serving, barrel, or trigger because it will collect inside the trigger and eventually prevent the string from latching properly.



- Do not use heavy oil, grease, or substances similar to petroleum jelly to lubricate your barrel because they will attract dust and grit that will collect inside the trigger housing and make it sluggish and possibly inoperable in cold weather.

MAINTENANCE PROCEDURES FOR HIGH PERFORMANCE CROSSBOWS

TenPoint recommends lubricating the string and cables on high-performance crossbows such as the Nitro XRT, Nitro X, Stealth NXT, and the Shadow NXT, as follows:

- Use a premium lubricant such as Scorpion Venom Arrow Release Fluid (HCA-112).
- Lubricate the entire circumference of the string serving that comes in contact with the crossbow barrel.
- Apply lubricant to cable end loops and served area from the point of attachment at the cam, to approximately 1/2 the distance to each turnbuckle (approximately 3-inches).
- Lubrication is required prior to shooting your crossbow for prolonged serving wear. If the servings or end loops mentioned above are dry, you are subject to premature serving wear and will need to replace your string and/or cables more frequently
- Apply lubricant to the crossbow's rail/barrel if it looks or feels dry.

NOTE: If you inadvertently shoot the bowstring into the DFI (Dry-Fire-Inhibitor), closely inspect the center serving for any breaks or wear. TenPoint recommends changing the string on high-performance crossbows such as the Nitro XRT, Nitro X, Stealth NXT, and the Shadow NXT if you shoot the bowstring into the DFI.

MAINTENANCE PROCEDURES FOR TURBO M1 AND TITAN M1 CROSSBOWS

TenPoint recommends lubricating the string and cables on the Turbo M1 and Titan M1 as follows:

- Use TenPoint's String Wax and Conditioner or Bohning Textite on both cables, and the entire bowstring including its center serving. Completely burnish the wax into the cables, bowstring, and string serving. Always keep the area where the cables cross, under the flight deck/arrow groove, well waxed at all times.
- Lubricate the entire circumference of the string serving with a premium lubricant such as Scorpion Venom Arrow Release Fluid.
- Apply the same lubricant to the crossbow's rail/barrel every 20-shots, or if it looks or feels dry.

The use of non-factory strings and cables on the Turbo M1 or Titan M1 is not recommended and may void your warranty.

GENERAL MAINTENANCE PROCEDURES

The best maintenance program begins with inspecting your crossbow for worn, loose, damaged or missing parts every time you use it.

1. Immediately replace frayed or worn strings, cables or cocking unit draw cords.

Extend the life of your strings, cables, and draw cords by keeping them from drying out. Treat them as directed with a high-quality string wax such as TenPoint's String Wax & Conditioner (HCA-11007). TenPoint recommends changing strings and cables every other year under normal hunting/shooting conditions.

2. General Lubrication for pre-2019 TenPoint crossbows (excluding 2018 high performance crossbows), Horton, and Wicked Ridge Crossbows

- Use TenPoint's Premium Lubricant featuring Scorpion Venom (HCA-112) or Flight Rail and Trigger Lubricant (HCA-111) on your flight rail to reduce friction and extend the life of your center serving. Both will provide optimum lubrication without leaving an oily or greasy film.
- To lubricate the flight rail, apply a drop on each side of the rail and spread it the length of the barrel with your finger approximately every 75-100 shots. Applying too much lubricant can break down your center serving.
- Apply a drop of lubricant to your wheels/cams and axles when needed. Periodically lubricate the reverse-draw crossbow cam bearings, especially after getting the bow wet.

3. Keep your trigger dry and lubricated.

After using your crossbow in damp or wet conditions, dry the interior of the trigger housing with a blow dryer. To avoid rusting, spray the interior of the housing with WD-40 (or a comparable product) to displace any remaining moisture before you apply a drop of lubricant inside the string slot close to the string latch and safety slide, and inside the safety knob window.

4. Storage

Lubricate your crossbow before storing it at the end of the season, and keep it in a cool, dry place. Leaving it in excessive heat (car trunk in hot weather, in a hot attic, or next to a fireplace) can alter its tuning and subject cables and strings to dry rot. Likewise, storing it in a cold, damp garage or basement may cause some parts to rust.

5. Screws & Bolts

- When you need to tighten or loosen your main assembly bolt, remember to back-off its locking setscrew. Otherwise you will strip its threads.
- Do not loosen limb bolts to relieve string pressure in the off-season.
- Regularly check stock, scope-ring, and cocking device screws for tightness since the crossbow's recoil can loosen them over time.

6. Trigger Repair

- While Tenpoint, Horton, and Wicked Ridge appoint authorized repair facilities throughout the United States, trigger repairs may only be performed at TenPoint's corporate headquarters Service & Repair Department. Call 330-628-9245 option 2, or submit your request at our website, www.tenpointcrossbows.com, for a Return Authorization Number, shipping instructions, and payment instructions. See our website for U.S.A. repair facilities.
- For repairs outside of the United States, contact the Distributor in your country.

CROSSBOW TROUBLESHOOTING

▲ WARNING

Never use a crossbow with a worn or separated serving.

Not all issues with your crossbow require specialized service. This troubleshooting section will address common problems which may not require service. If, however, you are unable to resolve your



issue, call Customer Service at 330-628-9245 option 2, or submit your repair request to our website, www.tenpointcrossbows.com, for a Return Authorization Number and further instructions.

My crossbow will not fire when I pull the trigger.

You may have tried to cock the crossbow with the safety knob on SAFE (white) rather than on FIRE (red), and your bowstring is being held by the DFI rather than the string latch. The safety knob must be on FIRE (red) before you can successfully engage both the string latch and trigger safety. Move the safety knob to the FIRE (red) position and complete the cocking motion either manually or with your cocking device. The bowstring will then set the trigger safety (see **Manual Cocking Instructions** NOTICE on page 5 for photos and more detail) and you will be able to fire the bow after you disengage it.

My crossbow will not cock.

- Your trigger may need lubricated or it may be rusted. Follow the trigger lubrication instructions in the **Crossbow Maintenance** section of this manual on page 19. If lubricating the trigger does not solve the problem, contact Customer Service.
- Your trigger mechanism may be gummed up with wax, grease, or other substance caused by using those substances to lubricate the flight rail or string serving. Request a Return Authorization number to send the crossbow back to the factory for cleaning.
- The safety must be in the FIRE (red) position before attempting to cock the crossbow.

My string and/or cables are fuzzy, fraying or cut.

- If they are fuzzy, apply a thin coat of string wax/conditioner (excluding the serving) and burnish it in by vigorously rubbing the waxed string or cables between your fingers and thumb. The friction will melt the wax into the string or cables.
- If they are frayed or cut, do not attempt to use your crossbow. Contact the Sales Department or your local dealer for replacements.

My center serving is coming apart or separating.

- Your string has been installed incorrectly if its serving is wrapped in the opposite direction that the string is twisted. This condition will cause the serving to unravel. If caught soon enough, reinstalling the string with the twists in the same direction as the serving wraps will solve the problem. Otherwise, contact Customer Service or your local dealer.
- You may have been applying too much lubricant to the flight rail, causing the serving to come off in chunks. You will need to replace the string or have it reserved.
- Your main assembly bolt may not be tight enough. Refer to your assembly instructions. Again, you may need to replace the string or reserve it if you have caught the problem too late.

My shot groupings are erratic.

- Inaccurate cocking is the most frequent cause of inaccurate shooting. Check the **Cocking Your Crossbow** section on page 5 of this manual.
- Check the tightness of your foot stirrup screws, main assembly bolt and setscrew, stock screws, barrel screws, and scope-ring screws.

- If your arrow groupings are tight with field points but not with broadheads, you probably need to tune your arrows. If your arrows wobble at the connection between the broadhead and insert when you spin them on their tips, they are not straight (out of tune). If you do not have arrow tuning equipment, have your local pro shop straighten them for you. Also, make sure all your arrows are the same brand, weight, and size and your broadheads are the same brand and weight.
- Your scope may be defective. Contact Customer Service.

My camo is coming off the crossbow.

- Some crossbow surfaces are subject to normal wear and tear. If you have questions about wear and tear, contact Customer Service. They can determine if the condition is normal or excessive.

RETURNING YOUR CROSSBOW FOR SERVICE

To return your crossbow for service, you must either call Customer Service for a Return Authorization number and return instructions or complete a Return Authorization request form at www.tenpointcrossbows.com > Support > Warranty Info > Return Authorization Form. To phone, dial 330-628-9245 option 2.

- Your Return Authorization (RA) request form must be complete. Missing or incorrect information will cause delay.
- Your RA is valid for 30-days. You must call for a new number after its expiration.
- Your shipment must be sent "freight prepaid" and you must boldly mark the outside of the package with your RA number (otherwise TenPoint will not accept the package). TenPoint will not accept C.O.D. or "freight collect" shipments and will not reimburse shipment charges.
- Include a description of the problem inside the package.
- Remove the bow assembly from the stock assembly when shipping the bow (except on NXT or RDX models).
- The Service & Repair Department will contact you if payment is required and will determine whether the problem is covered under your warranty.
- TenPoint, Horton, and Wicked Ridge warranties cover "repair or replacement". If covered under warranty, they - at their sole discretion - will determine whether "repair or replacement" is in order. Repair or replacement part colors and/or patterns may not match original parts.
- TenPoint will return the product when service is complete and, if required, payment is made.

Ship to:

TenPoint Crossbow Technologies,
Horton Crossbow Innovations, or Wicked Ridge Crossbows
1320 State Route 43
Mogadore, OH 44260



2018 STRING & CABLE REFERENCE GUIDE

CROSSBOW MODEL	STRINGS	STRING TWISTS	STRING LENGTH
Huntsman 1994-1997	Upgrade Required	Varies	Varies
Huntsman 1998	Upgrade Required	Varies	Varies
HuntMaster (w/out yokes) 1994-1995	Upgrade Required	Varies	Varies
HuntMaster (w/yokes) 1995-1997	Upgrade Required	Varies	Varies
Huntmaster TL-4 1998	Upgrade Required	Varies	Varies
458 Magnum 1996-1997	Upgrade Required	Varies	Varies
458 Magnum TL-4 1998-1999	Upgrade Required	Varies	Varies
Woodsman, Woodsman Plus & Woodsman SE	Upgrade Required	Varies	Varies
Slider, Titan TL-7, Titan TL-4, Titan, Titan II & Titan SE	Upgrade Required	Varies	Varies
Turbo Extreme & Magnum Extreme	HCA-115	13	37.5"
Elite X2, Magnum X2, Stealth X2 & Turbo X-2	HCA-115	13	37.5"
Hybrid Lite & Elite Lite	HCA-115	13	37.5"
Pro Fusion, Pro Slider, Titan TL-9 & Titan HLX	HCA-115	13	37.5"
Pro Elite, Elite, Elite QX-4 & QX-4	HCA-115	13	37.5"
Maverick HP, Pro Elite HP, Blazer HP & Lazer HP	HCA-115	13	37.5"
Phantom Xtra, Phantom CLS, Shadow CLS & Defender CLS	HCA-11607	16-18	34.5"
Carbon Xtra CLS & Carbon Fusion CLS	HCA-11607	16-18	34.5"
Stealth XLT & Turbo XLT	HCA-12110	14-16	30.75"
Turbo XLT II, Carbon Elite XLT, Stealth SS & Instinct Order	HCA-12112	14-16	32"
Shadow Ultra-Lite, Tactical XLT, Turbo GT & Renegade XLT	HCA-12112-R	Pre Twisted	32"
Titan Xtreme	HCA-11712	14-16	33.875"
GT Curve, GT Flex & GT Mag	HCA-12008	16-20	35.625" incl. 2" loops
Vapor**	HCA-11813	Pre Twisted	37.125"
Venom	HCA-12014	Pre Twisted	32.1875"
Lady Shadow	HCA-12115-P	Pre Twisted	32"
Stealth FX4 & Venom Xtra	HCA-12015-0	Pre Twisted	32.1875"
Titan SS & Renegade	HCA-11716-S	Pre Twisted	34.0625"
Carbon Nitro RDX	HCA-12216-R	Pre Twisted	40.875"
Carbon Phantom RCX, Eclipse RCX & Titan RCX	HCA-70117	Pre Twisted	35"
Invader & Invader HP	WRA182	18	37.875"
Warrior & Warrior HL	WRA182	13	37.875"
Raider CLS & Titan CLS	WRA183	18	34.5"
Ranger	HCA-13215-0	Pre Twisted	34"
Lady Ranger	HCA-13215-P	Pre Twisted	34"
Invader G3 & Warrior G3	HCA-13216-0B	Pre Twisted	34"
Brood	HCA-13216-BB	Pre Twisted	34"
Legend Ultra Lite	HCA-11915	Pre Twisted	34.0625"
Storm RDX	HCA-12215	Pre Twisted	41.125"
Vortec RDX	HCA-72717	Pre Twisted	40.875"
Stealth NXT & Shadow NXT****	HCA-70317	Pre Twisted	31.5625"
Nitro XRT & Nitro X ****	HCA-70517	Pre Twisted	34.125"
Invader X4, Warrior Ultra-Lite & Ranger X2	HCA-75117	Pre Twisted	36.125"
Turbo M1 & Titan M1	HCA-11619-S	Pre Twisted	31.625" w/8.9-grain speed nock

NOTE: When installing most cables, twist the bottom yoke (located at the end of each cable) four times and the top yoke one time.

**Twist the Vapor top yokes three full twists, and the bottom yokes three full twists -the string & cables are pre-twisted, and do not require additional twists.



STRING MATERIAL	CABLES	CABLE TWISTS	CABLE LENGTH (Overall length including yokes)	CABLE MATERIAL
Varies	Upgrade Required	Varies	Varies	Varies
Varies	Upgrade Required	Varies	Varies	Varies
Varies	Upgrade Required	Varies	Varies	Varies
Varies	Upgrade Required	Varies	Varies	Varies
Varies	Upgrade Required	Varies	Varies	Varies
Varies	Upgrade Required	Varies	Varies	Varies
Varies	Upgrade Required	Varies	Varies	Varies
Varies	Upgrade Required	Varies	Varies	Varies
Varies	Upgrade Required	Varies	Varies	Varies
D-75, 28 strands	HCA-124	13	27.5", 12" yoke	D-75, 28 strands
D-75, 28 strands	HCA-124	13	27.5", 12" yoke	D-75, 28 strands
D-75, 28 strands	HCA-124	13	27.5", 12" yoke	D-75, 28 strands
D-75, 28 strands	HCA-124	13	27.5", 12" yoke	D-75, 28 strands
D-75, 28 strands	HCA-124	13	27.5", 12" yoke	D-75, 28 strands
D-75, 28 strands	HCA-124	13	27.5", 12" yoke	D-75, 28 strands
D-75, 28 strands	HCA-12307	6-8	22.625", 12" yoke	D-75, 28 strands
D-75, 28 strands	HCA-12307	6-8	22.625", 12" yoke	D-75, 28 strands
D-75, 28 strands	HCA-12710	5-7	19.75", 12" yoke	D-75, 28 strands
D-75, 28 strands	HCA-12912	9-11	19.675", 12" yoke	D-75, 28 strands
D97, 28 strands	HCA-12912-R	Pre Twisted	19.625", 12" yoke	D97, 28 strands
D-75, 28 strands	HCA-12612	10-12	22.875", 12" yoke	D-75, 28 strands
452X, 40 strands	N/A	N/A	N/A	N/A
8190G, 44 strands	HCA-12813	Pre Twisted*	19.8125", 11" yoke	8190G, 40 strands
D97, 28 strands	HCA-12514	Pre Twisted**	19.6875", 5" hard yoke	D97, 28 strands
D97, 28 strands	HCA-12915-P	Pre Twisted**	19.625", 12" yoke	D97, 28 strands
D97, 28 strands	HCA-12515-D	Pre Twisted**	19.6875", 5" hard yoke	D97, 28 strands
D97, 28 strands	HCA-12616-S	Pre Twisted	23.0625", 5" hard yoke	D97, 28 strands
D97, 28 strands	HCA-13116-R	Pre Twisted	15.25"	D97, 28 strands
Brownell Rhino, 24 strands	HCA-70017	Pre Twisted	18.5"	Brownell Rhino, 24 strands
D75, 28 strands	WRA162	11	21.825", 12" yoke	D-75, 28 strands
D75, 28 strands	WRA162	18	21.825", 12" yoke	D-75, 28 strands
D97, 28 strands	WRA163	11	16.625", 12" yoke	D-75, 28 strands
D97, 28 strands	HCA-13315-D	Pre Twisted	23.875", 5" hard yoke	D97, 28 strands
D97, 28 strands	HCA-13315-P	Pre Twisted	23.875", 5" hard yoke	D97, 28 strands
D97, 28 strands	HCA-13316-OB	Pre Twisted	23.875", 5" hard yoke	D97, 28 strands
D97, 28 strands	HCA-13316-BB	Pre Twisted	23.875", hard yoke	D97, 28 strands
D97, 28 strands	HCA-13015	Pre Twisted	23.0625", 5" hard yoke	D97, 28 strands
D97, 28 strands	HCA-13115	Pre Twisted	15.5"	D97, 28 strands
Brownell Rhino, 28 strands	HCA-72617	Pre Twisted	15.625"	Brownell Rhino, 24 strands
Brownell Rhino, 20 strands	HCA-70217	Pre Twisted	12.75"	Brownell Rhino, 16 strands
BCY X99, 28 strands	HCA-70417	Pre Twisted	13"	Brownell Rhino, 16 strands
D97, 28 strands	HCA-75017	Pre Twisted	20.9375"	D97, 28 strands
Brownell Rhino, 20 strands	HCA-11619-C	Pre Twisted	15.75"	Brownell Rhino, 24 strands

***Twist the Venom Xtra, Venom, Stealth FX4 & Lady Shadow bottom yokes four full twists - the string & cables are pre-twisted, and do not require additional twists.

****The string on the Nitro XRT, Nitro X, Stealth NXT, and Shadow NXT is double-served.



WARRANTY

ACUDRAW 50 SLED, ACUDRAW 50, AND ACU-52 LIMITED FIVE-YEAR OPERATIONAL WARRANTY

Subject to the terms, conditions and limitations outlined below, TenPoint Crossbow Technologies and Horton Crossbow Innovations guarantees their ACUdraw 50 SLED and ACUdraw 50 devices, and Wicked Ridge Crossbows guarantees its ACU-52 devices (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 purchase for the original owner.

This warranty only becomes effective if activated by the purchaser within 30 days of the purchase date by completing the warranty registration online. TenPoint Crossbow Technologies, Horton Crossbow Innovations, and Wicked Ridge Crossbows reserves the right, at their sole discretion, to accept proof of purchase in lieu of a complete warranty registration.

To make a claim under this warranty, call our Customer Service Department at 330-628-9245 for a Return Authorization Number. TenPoint Crossbow Technologies, Horton Crossbow Innovations, and Wicked Ridge Crossbows 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, FedEx, 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 SLED and ACUdraw 50, or ACU-52, or any of their 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 SLED and ACUdraw 50 or ACU-52 hooks positioned on the crossbow's string; or**
- (5) the ACUdraw 50 SLED and ACUdraw 50 or ACU-52 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 of the defective part(s) at the sole discretion of TenPoint Crossbow Technologies, Horton Crossbow Innovations, or Wicked Ridge Crossbows. Parts determined to be unsafe will not be returned with the repaired ACUdraw 50 SLED and ACUdraw 50 or ACU-52.

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, Horton Crossbow Innovations, or Wicked Ridge Crossbows based on an alleged breach of this warranty must be brought within one (1) year of the claimed breach.

TenPoint Crossbow Technologies, Horton Crossbow Innovations, or Wicked Ridge Crossbows liability for breach of warranty shall be limited to repair or replacement of the product at the option of TenPoint Crossbow Technologies, Horton Crossbow Innovations, or Wicked Ridge Crossbows.

ACUDRAW PRO AND ACUDRAW LIMITED FIVE-YEAR OPERATIONAL WARRANTY

Subject to the terms, conditions and limitations outlined below, TenPoint Crossbow Technologies, Horton Crossbow Innovations, and Wicked Ridge Crossbows guarantees their ACUdraw PRO and ACUdraw (except for the draw cord and power spring) against defects in materials and workmanship that adversely affect their operation for a period of five (5) years from the date of purchase for the original owner.

This warranty only becomes effective if activated by the purchaser within 30 days of the purchase date by completing the warranty registration online. TenPoint Crossbow Technologies, Horton Crossbow Innovations, and Wicked Ridge Crossbows reserves the right, at their sole discretion, to accept proof of purchase in lieu of a complete warranty registration.

To make a claim under this warranty, call our Customer Service Department at 330-628-9245 for a Return Authorization Number. TenPoint Crossbow Technologies, Horton Crossbow Innovations, and Wicked Ridge Crossbows 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, FedEx, 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 PRO or ACUdraw, 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 with the string claw positioned in the trigger's string slot; or**
- (5) the ACUdraw PRO or ACUdraw, 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 of the defective part(s) at the sole discretion of TenPoint Crossbow Technologies, Horton Crossbow Innovations, or Wicked Ridge Crossbows. Parts determined to be unsafe will not be returned with the repaired ACUdraw PRO or ACUdraw.

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, Horton Crossbow Innovations, or Wicked Ridge Crossbows based on an alleged breach of this warranty must be brought within one (1) year of the claimed breach.

TenPoint Crossbow Technologies, Horton Crossbow Innovations, or Wicked Ridge Crossbows liability for breach of warranty shall be limited to repair or replacement of the product at the option of TenPoint Crossbow Technologies, Horton Crossbow Innovations, or Wicked Ridge Crossbows.

TENPOINT CROSSBOW TECHNOLOGIES, HORTON CROSSBOW INNOVATIONS, AND WICKED RIDGE LIMITED LIFETIME OPERATIONAL WARRANTY

Subject to the terms, conditions and limitations outlined below, TenPoint Crossbow Technologies, Horton Crossbow Innovations, and Wicked Ridge Crossbows guarantees its crossbows against defects in materials and workmanship that adversely affect the operation of the crossbow for the lifetime of the original owner, except for the bow limbs, scope, and cocking devices, which are warranted for five (5) years from the date of purchase, and strings and cables, which are not covered by this warranty.

This warranty only becomes effective if activated by the purchaser within 30 days of the purchase date by completing the warranty registration online. Tenpoint Crossbow Technologies, Horton Crossbow Innovations, and Wicked Ridge Crossbows reserves the right, at their sole discretion, to accept proof of purchase in lieu of a complete warranty registration.

All warranty/repair returns are to be coordinated directly between the consumer and TenPoint Crossbow Technologies, Horton Crossbow Innovations, and Wicked Ridge Crossbows. To make a claim under this warranty, call our Customer Service Department at 330-628-9245 for a Return Authorization Number. TenPoint Crossbow Technologies, Horton Crossbow Innovations, and Wicked Ridge Crossbows 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, FedEx, 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 crossbow or any of its parts are altered from their original state;**
- (3) the GripSafety is disabled and/or safety wings removed;**
- (4) damage is caused by abuse or neglect;**
- (5) damage is caused by dry-firing or by using underweight arrows (lighter than recommended in the owner's manual); or**
- (6) the crossbow 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, Horton Crossbow Innovations, and Wicked Ridge Crossbows. Parts determined to be unsafe will not be returned with the repaired crossbow. Repair or replacement part colors and/or patterns may not match original part(s).

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, Horton Crossbow Innovations, or Wicked Ridge Crossbows based on an alleged breach of this warranty must be brought within one (1) year of the claimed breach.

TenPoint Crossbow Technologies, Horton Crossbow Innovations, or Wicked Ridge Crossbows liability for breach of warranty shall be limited to repair or replacement of the product at the option of TenPoint Crossbow Technologies, Horton Crossbow Innovations, or Wicked Ridge Crossbows.

WARRANTY CLAIMS

Thank you for purchasing a TenPoint, Horton, or Wicked Ridge crossbow. Your new crossbow is covered by a Limited Lifetime Warranty through our factory (see the Warranty section of this manual or the Warranty Info section on our website for warranty terms and conditions). **If you have a warranty claim, do not return this product to your retailer for credit.**

WARRANTY CLAIM PROCEDURES ARE AS FOLLOWS:

U.S. Customers:

1. To return your crossbow for service, you must call Customer Service at 330-628-9245 option 2 or complete a Return Authorization (RA) request form at www.tenpointcrossbows.com > Support > Warranty Info > Return Authorization Form.
2. Include your name, address, daytime phone number and a brief description of the warranty claim inside the package.
3. Display the RA Number on the inside and outside of the package.
4. Insure your shipment and send it via U.S. Postal Service, FedEx, or UPS, prepaid. TenPoint will not accept C.O.D. or "freight collect" shipments and will not reimburse shipment charges.

International Customers:

Please contact your local Distributor.



BY  TENPOINT



BY  TENPOINT

TENPOINT CROSSBOW TECHNOLOGIES[®]
HORTON CROSSBOW INNOVATIONS[®]
WICKED RIDGE CROSSBOWS[®]

1325 WATERLOO ROAD
MOGADORE, OH 44260-9608
330-628-9245

www.tenpointcrossbows.com
www.hortoncrossbows.com
www.wickedridgecrossbows.com

PERFECTION LIVES HERE.
PROUDLY MADE IN AMERICA