



TYRO[™]
Recurve Crossbow

OWNER'S MANUAL

READ ALL INSTRUCTIONS AND WARNINGS BEFORE USING

If you have any questions about this product or need some help, do not return the product to the store before talking with CenterPoint Hunting and Outdoors. Feel free to visit us at centerpointhunting.com, or speak with one of our friendly customer service (1-866-726-1122) representatives Monday through Friday between the hours of 8AM and 4:30PM EST.

⚠ WARNING: RECOMMENDED FOR ADULT USE ONLY. MISUSE OR CARELESS USE MAY RESULT IN SERIOUS INJURY OR DEATH. READ ALL INSTRUCTIONS BEFORE USING.

⚠ WARNING: ALWAYS KEEP HAND, THUMB AND FINGERS BELOW FLIGHT TRACK. FAILURE TO DO SO MAY CAUSE SERIOUS INJURY.

⚠ WARNING: BUYER AND USER HAVE THE DUTY TO OBEY ALL LAWS ABOUT THE USE AND OWNERSHIP OF THIS CROSSBOW.

⚠ WARNING: THIS PRODUCT CONTAINS ONE OR MORE CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS (OR OTHER REPRODUCTIVE HARM).

1. SAFETY FIRST

A. Target Safety

- ALWAYS treat the crossbow as though it is loaded and ready to fire.
- ALWAYS treat the crossbow with the same respect you would a firearm.
- ALWAYS store the crossbow unloaded and away from children.
- ALWAYS check to see if the crossbow is “ON SAFE” and unloaded when getting it from another person or from storage.
- ALWAYS keep the crossbow pointed in a SAFE DIRECTION.
- ALWAYS keep the crossbow “ON SAFE” until you are ready to shoot.
- ALWAYS keep finger off the trigger and out of the trigger guard until ready to shoot.
- ALWAYS be sure of your target and what is beyond.
- ALWAYS check your archery backstop for wear before and after such use. All target backstops are subject to wear and will eventually fail. Replace your target backstop if the surface is worn or damaged.
- NEVER cock or load the crossbow until you are ready to shoot.
- NEVER point the crossbow at any person.
- NEVER point the crossbow at anything you do not intend to shoot.

B. Crossbow Safety

- ALWAYS check the crossbow thoroughly for worn, damaged, loose or missing parts prior to shooting.
- ALWAYS check your rope cocking device thoroughly for worn, damaged, loose or missing parts prior to shooting.
- ALWAYS inspect your arrows/bolts regularly. Damaged arrows/bolts may cause serious injury. Any nicked, dented, split, or splintered bolts should be discarded immediately.
- ALWAYS keep hands, fingers and thumbs below the travel path of the bow string and cables.
- ALWAYS be sure the crossbow limbs are clear from striking tree limbs and other obstacles before shooting.
- ALWAYS wear safety glasses with any type of archery product.
- NEVER dry fire the crossbow other than to initially install the bow string. Shooting without an arrow/bolts will cause damage to your crossbow and could cause injury to the shooter.
- NEVER use underweight arrows/bolts. This has the same effect as dry-firing a crossbow and may cause damage to the crossbow and injury to the shooter.
- NEVER shoot any projectile in the crossbow except for arrows/bolts recommended by CenterPoint Hunting and Outdoors for the specific crossbow. Shooting other than recommended bolts could result in injury or damage to the crossbow (see specification chart for bolt information).
- NEVER draw your crossbow beyond the maximum draw length or damage to the limbs, cables and strings could occur.
- NEVER use your hand or the rope cocker to uncock the crossbow as it may cause serious injury to the user or damage to the crossbow
- NEVER attempt to disassemble or tamper with the crossbow. Special tools are required for working on the crossbow. Contact an established archery shop for assistance. Using anything other than an established archery shop or modifying the function of the crossbow in any way may render the crossbow unsafe and will void the warranty.

2. LEARNING THE PARTS OF THE CROSSBOW

Learning the names of the parts of the crossbow will help you to understand the owner’s manual. (Fig1)

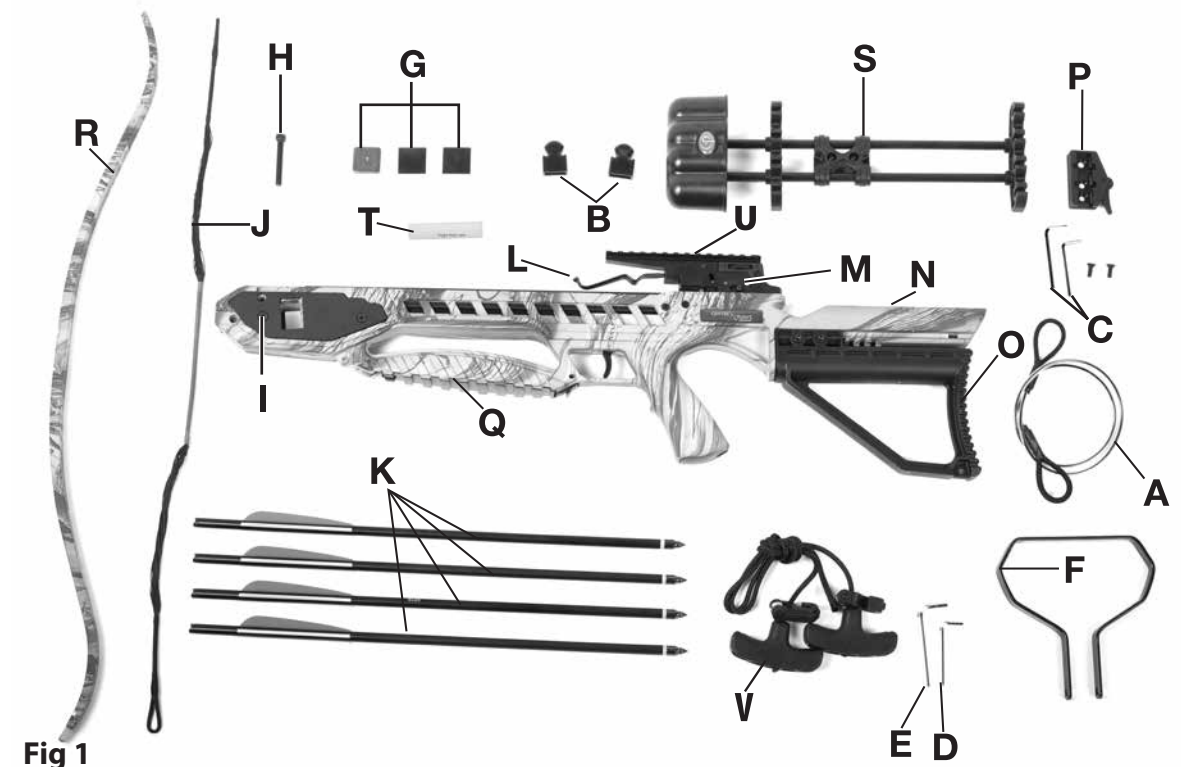


Fig 1

- | | | |
|----------------------------|----------------------------------|------------------|
| A. Stringer | H. Limb Screw (1) | P. Quiver Mounts |
| B. Plastic Tip (2) | I. Metal Riser Plate (2) | Q. Fore Grip |
| C. Quiver Mount Screws (2) | J. Bow String | R. Limb |
| D. Medium Hex Wrench | K. Arrows/Bolts (2) | S. Quiver |
| E. Large Hex Wrench | L. Arrows/Bolts Retention Spring | T. Rail Lube |
| F. Cocking Stirrup | M. Safety | U. Sight Bridge |
| G. Press Pad- (3 Parts) | N. Stock | V. Rope Cocker |
| | O. Butt | |

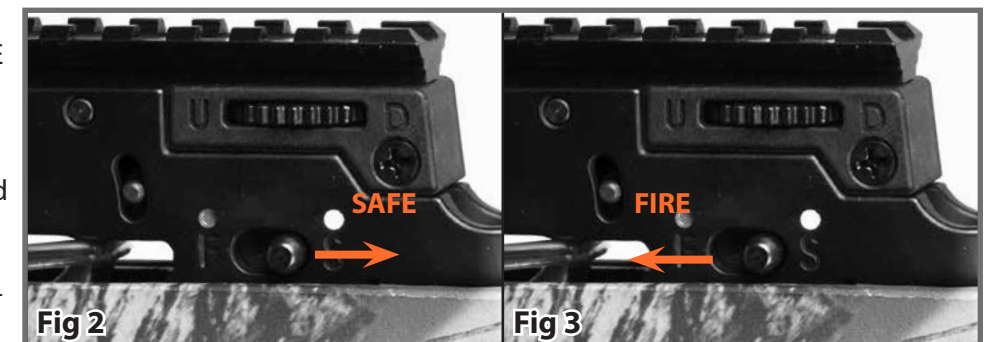
3. OPERATING THE SAFETY

CAUTION: Like all mechanical devices, a crossbow safety can fail. Even when the safety is “ON SAFE”, you should continue to handle the crossbow in a safe manner.

A. To put the Crossbow “ON SAFE”

NOTE: The safety automatically is engaged and the safety switch moves to the ON SAFE position when the crossbow is cocked in a normal manner (see Section 5. COCKING THE CROSSBOW).

1. Make sure the crossbow is pointed in a SAFE DIRECTION.
2. Slide the safety switch from the FIRE position to the ON SAFE position. (Fig. 2)
3. The crossbow is ON SAFE when the safety switch is moved all the way back under the WHITE dot.



B. To Take the Crossbow “OFF SAFE”

NOTE: If attempting to cock the Crossbow and the safety switch is “ON SAFE”, you will need to use the Cocking Preparation Switch to move the safety switch from the “ON SAFE” position to the “FIRE” position in order for the crossbow to accept the string when cocked. Follow the instructions on cocking and loading the crossbow (see Sections 5 & 6).

CAUTION:

- Only use the cocking preparation switch during the normal cocking procedure to move the safety switch from the “on safe” position to the “fire” position (see section 5- cocking the crossbow) and when stringing the crossbow for the first time (see section 4c – attaching the bow string).

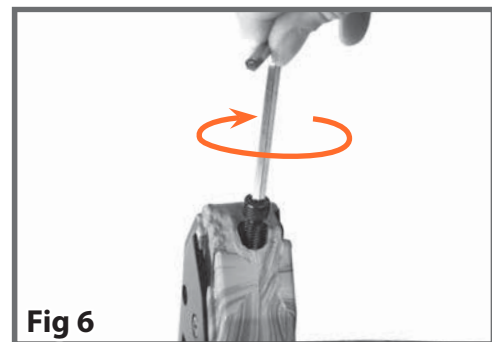
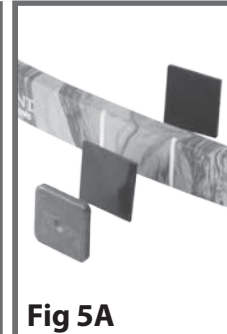
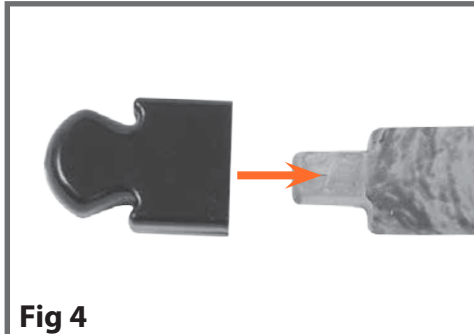
- The only time the cocking preparation switch should be used after the crossbow is cocked is for the initial stringing of the crossbow (section 4c).
- Do not use the cocking preparation switch after the crossbow is cocked, other than for the initial stringing of the crossbow. Use of the cocking preparation switch, while the crossbow is in the cocked position, will turn off the anti-dry fire mechanism.
 1. Make sure the crossbow is pointed in a SAFE DIRECTION.
 2. Locate the safety switch on the side of the stock.
 3. Slide the safety switch from the ON SAFE position to the FIRE position. (Fig. 3)
 4. The crossbow is OFF SAFE and ready to FIRE when the safety switch is moved all the way forward under the RED dot ("FIRE").

IMPORTANT: After the crossbow is cocked, the user should ONLY move the safety switch from the "ON SAFE" position to the "FIRE" position if an arrow/bolt is loaded.

4. ASSEMBLING THE CROSSBOW

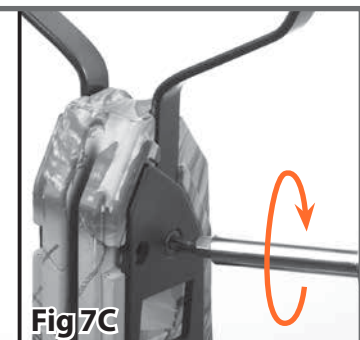
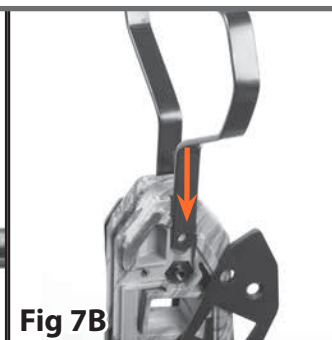
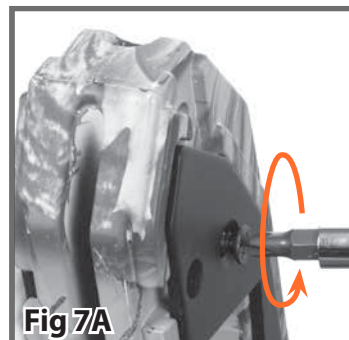
A. Inserting and Securing the Limb

1. Attach a plastic tip on each end of the limb. Make sure to attach the tips straight and push in securely (Fig. 4). Tap on a solid surface to seat all the way onto the limb.
2. Insert one of the small square plastic press pads against the back part of the limb slot.
3. Slide the limb through the limb slot in front of the rubber piece. Lining up the white lines on the limb with the edges of limb slot (Fig. 5A – 5C).
4. Stack the metal press pad on top of the other rubber press pad and insert them into the limb slot in front of the limb; with the metal press in front.
5. Make sure the press pad stays secure. Make sure the name and warning stickers are upright and readable.
6. Insert and tighten the limb screw using the LARGE hex, realigning the lines as needed. DO NOT OVERTIGHTEN (Fig. 6).



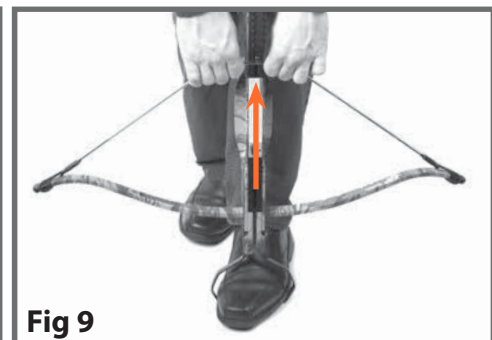
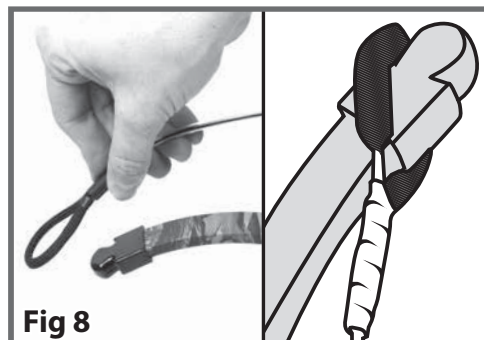
B. Attaching the Stirrup

1. Remove the top screw on the metal riser plate on both sides of the stock with a screw driver (not included) (Fig. 7A).
2. Loosen the bottom two screws on the metal riser plate on both sides of the stock.
3. Slide the stirrup between the stock and the metal riser plate until the stirrup holes line up with the top holes in the metal riser plate (Fig. 7B).
4. Push the plate back into place and tighten all the screws on both sides (Fig. 7C).



C. Attaching the Bow String

1. Attach the stringer rope to each limb tip as shown in (Fig. 8).
2. Make sure your crossbow is in the "OFF SAFE" or FIRE position; if your crossbow is in the "ON SAFE" position, go to section 5 for instructions on how to put it in the "OFF SAFE" or "FIRE" position.



3. With a foot firmly grounded in the stirrup, pull the stringer upwards until it locks securely into the trigger mechanism (Fig. 9).

Note: for easier cocking effort, use the included rope cocker for pulling up on the stringer; see Section 5, cocking the crossbow.

4. As you do this, the crossbow automatically goes to the "ON SAFE" position.
5. Attach the crossbow string loop over each limb tip by inserting through (under) the stringer loop. BE SURE that the crossbow stringer is fully looped over both sides of the plastic tip as shown in Fig. 10.
6. With foot firmly grounded in the stirrup, while holding the cocking preparation switch in the upward position, slide the safety switch to the "OFF SAFE" or FIRE position (Fig. 11).
7. Pull the trigger to release the stringer.
8. Remove the stringer from the limb tip. (Fig. 12).

D. Fine tune the limb position and mark your string for center.

NOTE: It is important to cock the crossbow centered each time to get the best accuracy possible out of the crossbow, especially if cocking by hand and not utilizing the rope cocker.

1. Use a tape measure to check the distance from the limb tip to where the string crosses the flight rail. This measurement should be the same on each side (Fig. 13).
2. If it needs to be adjusted, loosen the limb screw and position the limb in the center position. Be sure to retighten the limb screw securely.
3. For even more consistent accuracy, mark the string on both sides of the flight rail so that you can verify it is cocked straight each shot.

E. Adjusting the Butt Stock Length

1. Remove the two screws on the left side of the butt stock
2. Adjust the stock back or forward.
3. Retighten the two screws.

F. Attaching Quiver to Stock Assembly

1. Screw quiver mount onto the bottom of the stock (Fig 14).
2. Tighten using the medium hex wrench.
3. Slide the quiver into the quiver mount and lock in place with locking lever.
4. Ensure quiver is locked and secure.

G. Attaching the Scope or Red Dot sight

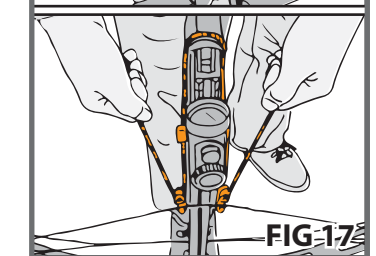
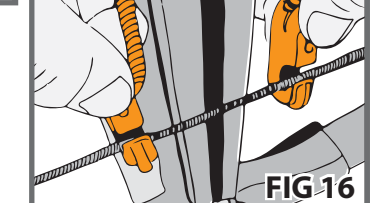
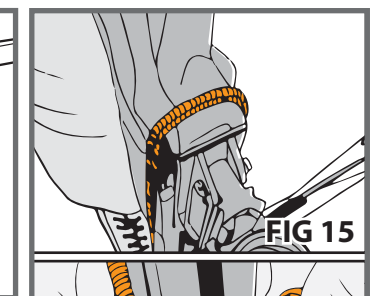
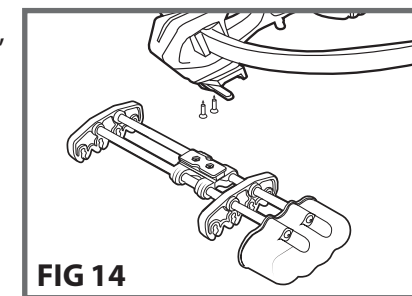
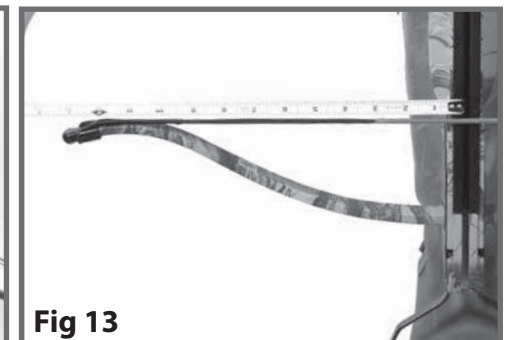
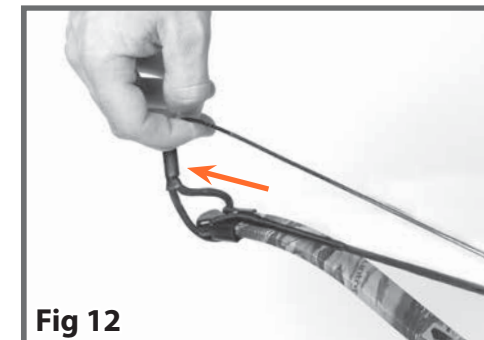
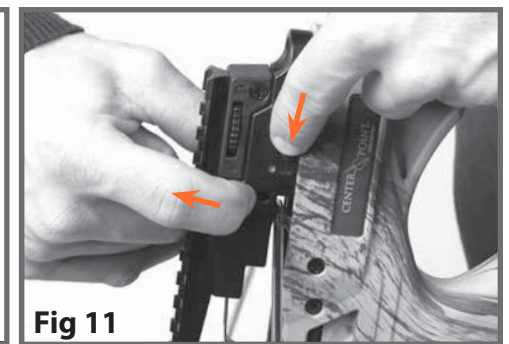
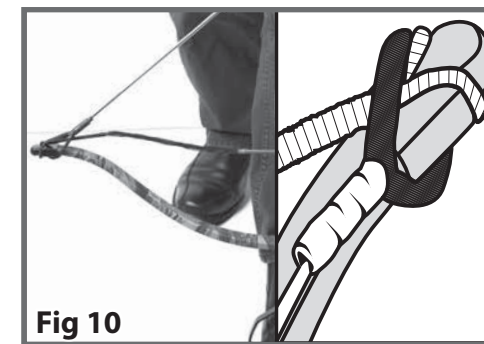
1. The optic included with this product may vary based on model number. See owner's manual included with your optic for details on mounting and sighting in.

5. COCKING THE CROSSBOW

⚠ WARNING: YOUR CROSSBOW FUNCTIONS BEST WHEN USING THE ROPE COCKING DEVICE DESIGNED FOR YOUR CROSSBOW. USE OF OTHER ROPE COCKERS WITH DIFFERENT ROPE LENGTHS AND HOOK DESIGN MAY BE UNSAFE TO THE USER AND MAY DAMAGE YOUR CROSSBOW.

CAUTION:

- **DO NOT** cock or load the crossbow unless in a safe area and in a position to load and shoot safely.
- Be sure to apply the lube wax to the string including the center serving and the flight track before cocking



- It is easy to cock the bow off center when manually pulling it back. Your best option is to use the rope cocking device each time you shoot for the most consistent shooting possible.

NOTE: TO COCK THE CROSSBOW, THE SAFETY MUST BE IN THE “OFF SAFE” or “FIRE” POSITION. AS YOU COCK THE CROSSBOW, THE SAFETY WILL ENGAGE TO THE “ON SAFE POSITION”.

1. Ensure that the crossbow is in the “OFF SAFE” or “FIRE” position. If the Safety is “ON SAFE”, push and hold the cocking preparation switch upward. While holding the cocking preparation switch up, slide the safety switch from the “ON SAFE” position to the “OFF SAFE” or “FIRE” position (refer to Fig. 11). Release the cocking preparation switch.
2. Place the cocking stirrup on the ground and place a foot securely inside.
3. Place the center of the cocking rope in the rope groove. (Fig. 15)
4. Place the hooks of the cocking rope onto the crossbow string on each side of the flight rail. For the maximum pull force, place the cocking hooks up, not hooks down. (Fig. 16)
5. Pull both t-handles simultaneously, smoothly drawing the crossbow string back under the bolt retention spring and into the string opening of the trigger mechanism. (Tension will keep the cocking hooks against the rail if done properly (Fig. 17).
6. Continue drawing until the main string clicks into place and safety switch moves to the “ON SAFE” position.
7. Relax the tension slightly to ensure the trigger latch has fully captured the crossbow string.
8. Once cocked, remove the rope cocker hooks from the crossbow string.
9. The crossbow is now cocked and ready for loading an arrow/bolt.

⚠ WARNING: DO NOT USE YOUR HAND OR THE ROPE COCKER TO UNCOCK THE CROSSBOW AS IT MAY CAUSE SERIOUS INJURY TO THE USER OR DAMAGE TO THE CROSSBOW.

6. LOADING THE CROSSBOW

1. Verify the crossbow safety is ON SAFE.
2. Point the crossbow in a SAFE DIRECTION.
3. Be sure to use only arrows/bolts that are the recommended weight and size. (See SPECIFICATION CHART for arrow/bolt information)
4. Place the arrow/bolt so that the cocking vane (the odd colored vane), is down in the flight groove (Fig. 18)
5. Slide the arrow/bolt back to the trigger assembly, under the arrow/bolt retention spring, until the arrow/bolt nock rests fully on the string. (Fig. 18)
6. After following these steps and reading the entire manual, including the section on reviewing safety procedures, your crossbow is now loaded and ready to fire.



⚠ WARNING: KEEP THE CROSSBOW IN THE “SAFE” POSITION UNTIL YOU ARE ACTUALLY READY TO SHOOT. THEN PUSH THE SAFETY FORWARD TO THE “FIRE” POSITION.

⚠ WARNING: KEEP FINGERS AND THUMB BELOW THE TRAVEL PATH OF THE BOW STRING. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY.

7. AIMING THE CROSSBOW

- Always point the crossbow in a SAFE DIRECTION.
- Always keep fingers and thumb below the travel path of the bow string (Fig. 19)
- You and others with you should always wear shooting glasses to protect your eyes. With the crossbow pointed down range, shoulder the crossbow, and place your hand on the stock with your fingers and thumb positioned on the fore grip, below the travel path of the string (Fig. 19)
- Do not shoot at hard surfaces or at the surface of water. The arrow/bolt may bounce off or ricochet and hit someone or something you had not intended to hit.
- Always choose the target carefully.
- THINK about what you will hit if you miss the target.



8. SIGHTING IN THE CROSSBOW

The optic included with this product may vary based on model number. See owner’s manual included with your optic for details on mounting and sighting in.

A. Adjusting the sight bridge

Note: The Tyro features an adjustable sight bridge. Out of the box, the sight bridge is in the flat (level) position and the set screw on the top of the rail is tightened down to lock it in place. We recommend that you keep the sight bridge in the flat (level) position, this will ensure that you are not inadvertently moving the position of the base. If more up or down adjustment is needed to sight in your Tyro:

1. Loosen the set screw on top of the picatinny rail.
2. Turn the adjustment dial on the side of the trigger pack left towards the “U” to move your point of impact up.
3. Turn the adjustment dial on the side of the trigger pack right towards the “D” to move your point of impact down.

9. FIRING

- With the crossbow pointed in a SAFE DIRECTION and hands in the proper position release the safety by pushing the safety all the way forward (“FIRE”) (see section 5B).
- Pull the trigger.

10. DE-COCKING the CROSSBOW

⚠ WARNING: DO NOT USE YOUR HAND OR THE ROPE COCKER TO UNCOCK THE CROSSBOW AS IT MAY CAUSE SERIOUS INJURY TO THE USER OR DAMAGE TO THE CROSSBOW.

- You should not cock or load the crossbow unless you are in a safe area and in a position to shoot safely.
- ALWAYS identify the target and beyond the target prior to shooting.
- If for some reason you must de-cock the crossbow, DO NOT DRY FIRE IT. Load an old arrow/bolt and fire into a safe target after following the instructions in this manual. Dry firing can cause serious injury or damage to the crossbow.

11. MAINTAINING THE CROSSBOW

- **NEVER** dry fire the crossbow other than to initially install the bow string. Shooting without an arrow/bolts will cause damage to your crossbow and could cause injury to the shooter.
- **DO NOT MODIFY OR ALTER THE CROSSBOW.** Attempts to modify the crossbow in any way inconsistent with this manual may render the crossbow unsafe to use, cause serious injury or death, and will void the warranty.
- If you drop the crossbow, check to see that it works properly before you use it again. If anything seems changed, like a shorter or weaker trigger pull, this may mean broken parts.
- Always check the crossbow thoroughly for worn, damaged, loose or missing parts prior to shooting. Call customer service for assistance before using the crossbow again.
- Periodically place a light coat of silicon based lubricant on all metal parts to prevent rust and corrosion.
- We also recommend lube wax (included) to reduce fraying and wear. Apply a small amount of lube wax every 12-15 shots to the rail. Paying close attention to where the string comes in contact with the rail. Do not over lubricate the center section of the crossbow string as this may cause a buildup of lubricant in the trigger mechanism. Keep the flight track and the string serving waxed to reduce friction. Always check and replace frayed or worn strings and cables.
- Change strings when they become worn or frayed. Contact an established archery shop to change the strings. Changing strings requires experience and a bow press which can found at an established archery shop.
- Inspect all arrows/bolts for wear, damage, or nicks before using. If any wear damage or nicks are found dispose of the arrows/bolts properly.
- Always store your crossbow in a cool, dry place. Do not expose your crossbow to excessive heat such as leaving it in an automobile trunk on a hot day or storing it next to a furnace vent.

Specifications

Draw Weight	175 lbs.	Color	Camo
FPS	Up to 245	Mass Weight	5.0 lbs.
Stock	Composite	Length	Adjustable, 30.5"–32.75"
Limb	Compression Fiberglass	Width	26"
String Length	26.5"	Bolt Weight	420 grains
System	Single Limb, Recurve	Arrow/Bolt Size	16"
Trigger	Auto Safety; Anti-Dry Fire		

LIMITED WARRANTY FOR CENTERPOINT CROSSBOW

Your CenterPoint™ crossbow is warranted to be free of defects in materials and workmanship for 1 year. This warranty is not transferable and as such is limited to the original owner. Bow limbs are warranted for 1 year from date of purchase. All other parts are warranted for 1 year from date of purchase. CenterPoint® scopes have a separate warranty. This warranty does not cover damages due to fair wear and tear, failure to provide routine maintenance, and does not include strings or accessories. In the event of a defect under this warranty, we will, at our option, repair or replace the product; provided, however, our inspection indicates that an original defect exists. CenterPoint reserves the right to replace any product which is no longer available with a product of comparable value and function. If CenterPoint determines the repair is not covered under the warranty guidelines, there could be a charge to you for the repair. This is a limited warranty and does not cover damages caused by misuse, improper handling or installation or maintenance provided by someone other than a CenterPoint Authorized Service Station.

This limited warranty does not include consequential damages, incidental damages, or incidental expenses, including damage to property or any other expense. CenterPoint disclaims any implied warranties, including the implied warranties of merchantability and fitness. Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on implied warranties so the above limitations or exclusions may not apply to you. To the extent any provision of this warranty is prohibited by federal, state or municipal law, which cannot be preempted, it shall not be applicable. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state and country to country.

STOP – BEFORE YOU RETURN THIS PRODUCT TO THE STORE

Save on gas and avoid the trip back to the store. Contact our Customer Service/Technical Support representatives for information and trouble-shooting help at 1-866-726-1122 or visit our web site at centerpointhunting.com.

WARRANTY CLAIMS/ REPAIR SERVICE

If your product needs repair, DO NOT ATTEMPT TO DISASSEMBLE IT! Any disassembly or modification not performed by a Centerpoint Authorized Service Station will void the warranty.

U.S. Customers - Contact CenterPoint Customer Service -1-866-726-1122 or email us at centerpointhunting.com. You will be instructed where and how to send your CenterPoint product in for repair/replacement under warranty or referred an authorized service center.

CenterPoint

Crosman Corporation
Attn: Warranty Dept.
7629 Route 5 & 20
Bloomfield, NY 14469

Include with your product a copy of your receipt and a brief description of the problem. Be sure to indicate your name, mailing address, email address and telephone number. Allow 2-4 weeks for product repair/replacement. We recommend you use a method of shipping that provides you with a tracking number and insurance options. CenterPoint is not liable for any merchandise damaged, lost or stolen during shipping to and from CenterPoint.

Canadian Customers - Contact the Gravel Agency, in Quebec at 866- 662-4869.

Outside U.S. Customers: Please contact your point of purchase dealer/distributor. If you do not know your dealer/distributor, contact our International Dept. for assistance at 585-657-6161 or email us at centerpointhunting.com.

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Crosman Corporation
7629 Routes 5 & 20
Bloomfield, NY 14469
United States of America
centerpointhunting.com
1 866-726-1122
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