To Prevent Damage to the Crossbow and to Protect the Lifetime Warranty, **USE ONLY** Parker or RED HOT Arrows.

DO NOT ATTEMPT TO OPERATE OR SHOOT THIS PRODUCT UNTIL YOU HAVE READ THIS ENTIRE MANUAL.
Thank you for your purchase of this Parker Crossbow. Each Parker Crossbow is designed, engineered and manufactured by hunters like you. Attention to detail and pride in our products drive each of us at Parker to make the best hunting equipment on the market.

Anytime you have a question, a comment or suggestion regarding your Parker Crossbow, please give us a call at (540) 337-5426 or send us an email at info@parkerbows.com. We value your experience and ideas, and enjoy sharing in your success.

For more information on the current product line of Parker Crossbows and Parker Compound Bows, or to see a color version of this owners manual visit our website at: www.parkerbows.com

Good luck and safe shooting!

Proudly Made

In the USA

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Congratulations on your purchase of a new Parker Concorde Crossbow. This crossbow has been carefully designed and crafted by engineers and hunters that are committed to delivering a quality product that will enhance your experience in the woods.

As you read this manual there may be terms or descriptions that are unfamiliar to you. Below is a diagram that will help you understand the common terminology and parts of your Concorde Crossbow.
Before you begin...

- Empty the contents from the box that your new Parker Concorde Crossbow was packaged in. Place all contents in a clear and organized space such as a workbench, tabletop or flat surface where you can easily inventory and identify all the parts and components of this package.
- Assembly of some parts with a few screws is required.
- You will only need a couple of simple tools, such as a hex wrench.

Hardware Pack for Concorde:
A. (1) Stirrup
B. (2) Stirrup Mounting Screws
C. (1) Quiver
D. (1) Quiver Mount
E. (2) Quiver Mount Screws
F. (1) Quiver Mounting Bracket
G. (1) Scope (image for illustration purposes only)

IF YOU ARE MISSING THE HARDWARE ASSEMBLY PACKET FROM A NEW UNOPENED BOX, CONTACT PARKER DIRECTLY, AND WE WILL SEND IT TO YOU.

SAVE THE BOX
Your Concorde Crossbow was shipped from the factory almost fully assembled. The only assembly required by you is to install the Stirrup, Quiver, and mount the Scope.

INSTALLING THE STIRRUP

- Position the Stirrup below the Riser and align the holes on the Stirrup and Riser.
- Attach the Stirrup to the Riser using the Stirrup Mounting Screws and a hex wrench. Tighten firmly.

INSTALLING THE QUIVER

STEP 1 - Installing Quiver Mounting Bracket

- Slide the Quiver Mounting Bracket onto the bottom of the Barrel over the Picatinney Rail. For Right-hand shooters, position the Bracket on the right side; for Left-hand shooters, on the left side.
- Position the Bracket roughly in the middle of the Picatinney Rail.

STEP 2 - Installing Quiver Mount

- Install the Quiver Mount to the Quiver Mounting Bracket with the Quiver Mount Screws.
- Note the Lever Arm on the Quiver Mount should face away from the Riser when mounted on the right side and towards the riser on the left.

- Tighten the pre-installed hex head screws to lock the Quiver Mounting Bracket into position.
**ASSEMBLY**

**STEP 3 - Attaching Quiver**
- Attach the Quiver to the Quiver Mount, and lock in place using the Lever Arm.

**MOUNTING THE SCOPE**
- Follow the scope instructions that were provided in your package.

---

**TRIGGER SAFETY**
- Your Concorde Crossbow utilizes a Dual Safety System that includes two Trigger blocking mechanisms.

1. The first is the Trigger Safety Lever which fully blocks the Trigger from being pulled when in the “safe” position (down showing green dot).

2. The second is the Carrier Handle, which fully blocks the Trigger from being pulled, unless the Carrier Handle is in the “Ready” position.
TRIGGER SAFETY

• In order for the Safety to be fully disengaged and the crossbow ready to “Fire an arrow”, you must:
  1. Ensure the Carrier Handle is in the “Ready” position.

• This dual Safety System is designed to help keep you safe during the operation of your Concorde.

ANTI DRY-FIRE RESTRAINT

• Your Concorde Crossbow features a built-in Anti Dry-Fire Restraint that can prevent the crossbow from experiencing the full force of a dry-fire, in the event you were to accidentally shoot your crossbow without an arrow. The Anti Dry-Fire Restraint activates if you do ALL of the following:
  1. Cock the crossbow;
  2. Have the Carrier Handle in the “Ready” position;
  3. The String Carrier pivoted up;
  4. Put the safety on fire (up with red dot showing);
  5. Do NOT load an arrow; and
  6. Pull the trigger.

WARNING: DO NOT SHOOT YOUR CROSBOBW WITHOUT AN ARROW. Your warranty does not cover shooting your crossbow without an arrow. Dry-firing can and should be avoided. Following all safety and operating instructions will ensure the safe and proper operation of your crossbow.

• In the event you shoot without an arrow, the String Carrier “catches” the string, and the Quick Draw System works as the Anti Dry-Fire Restraint, absorbing most of the energy and preventing major damage to the bow portion of the crossbow. However, it is possible to break the string and/or cables and cause other damage to the crossbow and/or injury to yourself or others if you attempt to dry-fire the crossbow.

ATTENTION: If the String Carrier does not easily pivot up and down, this can disable the function of the Anti Dry-Fire Restraint. Keep the String Carrier clean and dry. If you apply string wax on the center serving of your string, use only a small amount and work it into the serving with your fingers. DO NOT use an excessive amount of string wax on the center serving. To do so can make the String Carrier sticky and attract dirt and debris, causing it to not work properly. As needed, apply a small amount of Barrel lubricant, such as RED HOT Barrel lube, to the barrel and String Carrier.
CO2 BASICS

CO2 SAFETY TIPS

**ATTENTION:** For purposes of clarity, the 9 oz. CO2 bottle or cylinder is referred to ONLY (throughout this manual) as the “CO2 bottle”.

**ATTENTION:** Your Concorde Crossbow was specifically designed to use ONLY a refillable 9 oz. CO2 bottle, filled ONLY with CO2. **DO NOT** use a disposable bottle. **DO NOT** use a different size bottle. **DO NOT** use a different propellant, such as air or nitrogen. Using a different sized bottle, a disposable bottle or a different gas can result in damage to your crossbow, other property, or injury to yourself and/or others and **WILL VOID YOUR WARRANTY**.

**WARNING:** The brass bottle valve (Fig. A, #1) is intended to be permanently attached to the CO2 bottle (2). A CO2 bottle can fly off with enough force to cause serious injury or death if the bottle valve (1) unscrews from the CO2 bottle (2).

- Refer to Fig. A. There have been reported incidents caused by unknowingly unscrewing the bottle (2) from the bottle valve (1). This occurs when one thinks the entire valve-bottle and assembly is being unscrewed from the CO2 Receiver in the crossbow, when in fact the valve (1) is being unscrewed from the bottle (2).

Properly Marked Valve & Bottle

Misaligned Valve & Bottle

- To avoid this danger, it is recommended (if your bottle is not already marked) that you use paint or nail polish to place a mark (3) on the bottle valve, and place another mark (4) on the bottle, in line as shown in Fig. A. If at anytime these marks start to separate (Fig. B), the bottle is starting to unscrew from the bottle valve and you **MUST STOP!** Call Parker for assistance OR take the entire unit to your Parker Dealer for safe removal.

**ATTENTION:** The bottle valve should unscrew from the CO2 Receiver in about 4 full turns. If you finish the 4th full turn and the bottle valve is not unscrewed from the CO2 Receiver **STOP!** Call Parker for assistance OR take the entire unit to your Parker Dealer for safe removal.

**WARNING:** Whether you have a new or used CO2 bottle, you are at risk if any of the following has occurred:
1. The valve has been replaced or altered
2. An anti-siphon device was installed
3. The bottle valve was removed from the bottle for any reason
4. Any modification was done to the bottle or valve

If any of these conditions has occurred, the CO2 bottle must be inspected, retested and recertified by a qualified professional.

**CO2 Safety Precautions:**
1. Improper use, filling, storage, or disposal of a CO2 bottle may result in property damage, serious personal injury or death.
2. Make sure that any maintenance or modification to any CO2 bottle is done by a qualified professional.
3. The use of anti-siphon devices is **NOT** recommended.
4. All CO2 bottles must be filled only by properly trained personnel.
CO2 BASICS

5. Do NOT overfill a bottle! Never exceed the CO2 bottle’s capacity.
6. Do NOT expose pressurized CO2 bottle to temperatures exceeding 130 degrees Fahrenheit (55 degrees Celsius).
7. Do NOT use caustic cleaners or strippers on the CO2 bottle or bottle valve, and do not expose them to corrosive materials.
8. Do NOT modify the CO2 bottle in any way. Never try to disassemble the bottle valve from the CO2 bottle.
9. Any CO2 bottle that has been exposed to fire, or heated to a temperature of 250 degrees Fahrenheit (121 degrees Celsius) or more must be destroyed by properly trained personnel.
10. Use ONLY CO2 in the CO2 bottle. Do NOT use any other form of propellant, such as air or nitrogen.
11. Keep all bottles out of reach of children.
12. The CO2 bottle should be inspected and hydrostatically retested at least every 5 years by a DOT licensed agency.
13. Keep exposed skin away from escaping gas when installing or removing the CO2 bottle, or if the bottle is leaking. Compressed CO2 gasses are very cold, and can cause frostbite under certain conditions.

FILLING THE CO2 BOTTLE

- All CO2 bottles must be filled ONLY by properly trained personnel. Contact your local Parker Dealer or contact Parker directly at 540-337-5426 if you need assistance locating a certified CO2 filling station.

ATTENTION: Parker recommends getting at least two CO2 bottles to use with your Concorde. This will ensure you have a backup in case you need one.

INSTALLING THE CO2 BOTTLE

1. Ensure that the crossbow is un-cocked and there is no arrow loaded in the crossbow.
2. Ensure that the CO2 bottle is full.

3. Make sure that the O-ring is in good condition, without cracks, tears or breaks. You can apply a small amount of oil to the O-ring to ensure a secure seal.

4. Carefully insert the CO2 bottle (the brass valve-end first) into the bottle slot in the Forearm until the bottle valve makes contact with the CO2 Receiver in the crossbow.

5. Carefully turn the CO2 bottle clockwise into the CO2 Receiver until it stops (approximately 4 turns and be sure not to cross-thread the connection). The fit between the bottle valve and the CO2 Receiver should be snug, but do not over-tighten.

6. If needed, use the rubber hand grip (provided) to get a better grip on the bottle.
REMOVING THE CO2 BOTTLE

1. Ensure that the crossbow is un-cocked and there is no arrow loaded in the crossbow.
2. Carefully watch the paint marks on the bottle and bottle valve (Fig. A) as you turn the bottle counterclockwise until the bottle is removed from the CO2 Receiver (approx. 4 turns).

**ATTENTION:** It is recommended that you remove the CO2 bottle at the end of the hunting season, before you store your crossbow for several months.

**ATTENTION:** Read CO2 bottle **Warnings** and CO2 bottle **Safety Tips** before beginning the bottle removal process (page 11).

**ATTENTION:** If the CO2 bottle is NOT empty and you are trying to remove it from the crossbow, the pressure from the CO2 will make removing it more difficult. If needed, use the rubber hand grip (provided) to get a better grip on the bottle.

MEASURING THE CO2 IN THE BOTTLE

- To measure how much CO2 is in your bottle use a scale that displays the weight in pounds and/or ounces. The bottle will first need to be weighed empty and the empty weight recorded. A small piece of masking tape works well.
- Any weight over the “empty weight” will be the amount of CO2 in the bottle.

HELPFUL TIP:
- **Full Weight** = 23 oz
- **Empty Weight** = 14 oz
- **CO2 in Bottle** = 9 oz
CO2 Bottle Leaks

- The most common leak occurs from a damaged CO2 bottle valve O-ring. Generally, the O-ring can become brittle and crack over time, or the O-ring can rip or tear when screwing the CO2 bottle in and out of the CO2 Receiver. To replace an O-ring you must first remove the bad O-ring and then install a new one. This O-ring is located on the tip of your CO2 bottle valve. The best valve O-rings are made of urethane. Urethane O-rings are not affected by high CO2 pressures. These may be purchased from Parker or your Parker Dealer.

**ATTENTION:** Be careful not to bend or dent the CO2 bottle valve. The valve is made of brass, which can be easily damaged if dropped or accidentally cross-threaded into the CO2 Receiver. If the valve is damaged, it can cause a leak. When not using the CO2 bottle, keep the protective plastic cap on the valve.

**ATTENTION:** It can be very difficult at times to determine if an O-ring is damaged. Sometimes the O-ring will develop a small tear that you cannot see unless you stretch the O-ring. If you cannot determine for certain that the O-ring is damaged, replace it anyway.

**ATTENTION:** If a new CO2 bottle valve O-ring does not resolve a leak, do not attempt to repair the CO2 bottle yourself. Any maintenance or repair to the bottle must be done by a qualified technician. If a qualified technician is not available to you, discard the leaky bottle and replace with a new one.

**ATTENTION:** Many refillable 9 oz. CO2 bottles are fitted with a burst disc or rupture disc as part of the valve. The burst disc is designed to protect the bottle from becoming over pressurized and potentially exploding. The pressure in the bottle can reach excessive levels if the bottle is over filled and/or the temperature of the bottle exceeds 130 degrees Fahrenheit (55 degrees Celsius).

**WARNING:** The temperature of the bottle can easily exceed 130 degrees Fahrenheit, if the bottle were left inside a closed automobile on a warm day. In such event, the burst disc would rupture and all of the CO2 would be released. When the burst disc ruptures, it makes a loud exploding sound. Should this occur, the CO2 bottle would need to be serviced by a qualified professional.
**Cocking**

**Using the Quick Draw System**

1. Prior to each shot, push the Carrier Handle forward until it stops and position the String Carrier in front of the string so that it is prepared to draw the string and cock the crossbow.

2. Place the crossbow with the Stirrup on the ground so that it is in an upright position with the rear of the Butt Stock pointing skyward.

3. Hold the Butt Stock with one hand and press and hold the Cocking Button until the string is fully cocked and latched by the Trigger and the Trigger Safety is pushed back to the safe position (down). After releasing Cocking Button you will hear CO2 “bleeding off” the Cocking Button as the Carrier Handle moves to the “Ready” position. Once in the “Ready” position, the Concorde is now cocked and ready to load an arrow.

**Warning:** Do NOT cock the crossbow in a flat or diagonal position. To do so could freeze the lines and damage the Quick Draw System, voiding your warranty.
COCKING

**WARNING:** Keep hands, fingers, and other articles clear of the moving parts during the cocking process.

**WARNING:** DO NOT leave a cocked crossbow unattended.

**ATTENTION:** If you release the Cocking Button before the crossbow cocks or if the CO2 bottle runs out of CO2 prior to the crossbow cocking, the string will simply return to the fully un-cocked position.

**ATTENTION:** If the String Latch on the Trigger is “down” prior to pushing the Cocking Button (Fig. A), the string will be drawn to the latch and when the Cocking Button is released, the string will return to the un-cocked position. If this occurs, the Trigger must be reset. See page 44 to reset your Trigger.

**ATTENTION:** Temperature affects the number of times the Quick Draw System will cock/un-cock your Concorde Crossbow. In moderate temperatures (60° - 75° F), a full 9 oz. CO2 bottle should cock/un-cock your crossbow approximately 40 times. In cold temperatures (20° - 35° F), a full bottle should cock/un-cock your crossbow approximately 20 times.

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USING A ROPE COCKING DEVICE

Should you need to manually cock your Concorde Crossbow, Parker recommends the use of a Rope Cocking Device to achieve optimum accuracy and to observe safety.

**WARNING:** Completely familiarize yourself with the cocking device prior to usage. Carefully review the pictures and instructions before you attempt to cock your crossbow with the cocking device.

**WARNING:** DO NOT attempt to cock your crossbow by hand.

**ATTENTION:** Prior to cocking with a Rope Cocker, pull the Carrier Handle back to the “Ready” position.

**STEP 1**

Place the crossbow on the ground, resting it on its Stirrup, with the Butt of the stock pointing up facing you. Place one foot securely inside the Stirrup and firmly place your weight on the Stirrup to ensure the crossbow will not move (Fig. A). Use extra caution with smooth bottom shoes, wet shoes, slick surfaces and/or wet ground.
STEP 2

Hold the Rope Cocking Device with one hook in each hand and with the hook opening facing towards you (Fig. B). Leave 6 inches of rope between the hooks and place the rope in the groove on the back Trigger Assembly below the Safety Lever.

STEP 3

While holding a string hook in each hand, lean over the bow and attach the string hooks to the bow string, one hook on either side of the stock, and snug to the side of the Barrel. Make sure the hooks are facing down (towards your legs). On some models, you may have to pull the string up slightly to attach the rope cocker hooks.

STEP 4

Before cocking, check (Fig. C) to make sure rope cocking device is in the correct position. Grab the handles, now using the larger muscle groups of your legs, back and arms, stand up and raise (pull) the handles up and back towards your hips (Fig. D) until the string audibly “clicks” securely into the Trigger Assembly. The click will be the sound you hear when the Safety “automatically” engages. Your Concorde is now ready to load & shoot.

⚠️ ATTENTION: If the Safety Lever was in the up or “fire” position, it will automatically move to the safe position. If the Safety Lever was in the safe position, it will remain there and still emit an audible “click”.

⚠️ ATTENTION: DO NOT pull the handles up to your chest or shoulders. This technique is more difficult and could result in the hooks pulling off of the Barrel.
ARROW SAFETY

SAFE AND PROPER USE

• The safe shooting of your Parker crossbow requires that the string groove of the arrow nock be aligned properly to avoid dry firing the crossbow.

• Dry firing may result in serious injury to the shooter and bystanders. Further, it may cause damage to the crossbow itself. Always check the nock alignment on every crossbow arrow before shooting.

• Proper orientation of the string groove is at 90 degrees to the cock vane (odd color vane) on the arrow. When the arrow is placed on the crossbow with the cock vane down in the flight groove the Capture Nock should be in line with the string. If the nock groove is in any other position in the arrow it may not engage the arrow properly, and could result in a dry-fire.

**WARNING:** After each shot, examine your crossbow arrows for damage to the shaft or nock. **DO NOT** use damaged arrows.

ARROW SAFETY

PROPER SELECTION

• The proper selection of crossbow arrows and nocks is critical to the safe function of your Parker crossbow and to reduce the risk of damaging your crossbow or possibly injuring you or bystanders.

**ATTENTION:** Parker **REQUIRES** using ONLY Parker or RED HOT Brand Crossbow Arrows with Capture Nocks installed and having a finished mass weight* of a minimum of 400 grains (Fig. A).

* A finished mass weight is the total weight of the arrow with a field point or broadhead installed.

**ONLY USE**

**PARKER OR RED HOT BRAND ONLY**

**DO NOT USE**

**WARNING:** **DO NOT USE** Slotted Moon Nocks (Fig. B) or Flat Nocks (Fig. C) with your Parker Crossbow.
The safe shooting of your Parker crossbow requires that the nocks be “indexed” correctly. Indexing refers to the ability to turn the nock in the arrow shaft

**Correct indexing means:** The groove in the Capture Nock is oriented (turned) “in-line” with the direction of the string (Fig. A).

If the nock is not in-line with the string, it is possible the string will travel over the nock and produce a dry-fire (Fig. B).

Further, any nock that is not securely pressed into the arrow shaft and can be easily turned in the shaft should be discarded. The nock should be replaced immediately with a new one that is safe and indexes correctly. **Note:** The arrow may also have to be discarded.

**Correct loading means:** The cock vane, (or odd color vane) is oriented and placed DOWN and INSIDE the Barrel. Second, the Capture Nock is oriented (turned) 90 degrees to the direction of the cock vane (Fig. A).

If the cock vane is any position other than down and inside the Barrel, it introduces the possibility the string will travel over the nock and produce a dry-fire (Fig. B).

**WARNING:** BEFORE EACH SHOT, examine your arrow and nock and be certain the nock is indexed correctly.

**WARNING:** BEFORE you shoot, BE CERTAIN the Cock Vane is DOWN and INSIDE the Barrel.
**ARROW SAFETY**

**FULL ENGAGEMENT**

- The safe operation of your Parker crossbow requires that the Capture Nock is pushed all the way back into the Trigger Assembly, making **Full Engagement** with the string (Fig. A).

- Leaving a gap between the Capture Nock and string may cause the string to travel over the nock, producing a dry-fire (Fig. B).

**WARNING**: BE CERTAIN the Capture Nock fully engages the string and makes contact.

**SHOOTING**

**PROPER LOADING AND SHOOTING**

**STEP 1**

- Place an arrow on the Barrel with the odd color vane down and in the flight groove. Slide the arrow back toward the sight bridge, under the Retention spring until it engages the string firmly. The arrow Retention Spring is factory set and the down pressure it holds your arrow in place. **DO NOT** bend the Retention Spring upward.

**STEP 2**

- Always keep your crossbow pointed safely down range. Raise the crossbow to your shoulder as you would a rifle or shotgun with your front hand on the thick part of the Forearm.

**WARNING**: Make sure your thumb and fingers remain **BELOW** the string and surface of the Barrel. Failure to do so may result in **SERIOUS** injury to the shooters hand, including possible thumb or finger amputation.

**ATTENTION**: Parker **REQUIRES** using ONLY Parker or RED HOT Brand Crossbow Arrows with Capture Nocks installed and having a finished mass weight of a minimum of 400 grains. **DO NOT USE** SLOTTED MOON NOCKS OR FLAT NOCKS.
**SHOOTING**

**INCORRECT**
Thumb above Barrel

**INCORRECT**
Fingers above Barrel

**INCORRECT**
Thumb or fingers off of or behind the Forearm and above Barrel

**STOP DANGER**

**CORRECT**
Hand securely gripping Forearm, with fingers and thumb below the Barrel and string’s path.

**STOP DANGER**

**WARNING:** Make sure your thumb and fingers remain **BELOW** the string and surface of the Barrel. Failure to do so may result in **SERIOUS** injury to the shooters hand, including possible thumb or finger amputation.

**STEP 3**
- Now that the arrow is properly loaded, slide the Safety off by pushing the Safety Lever “UP” to the “Fire” position. This will also expose a “RED” dot for confirmation the Crossbow Safety is “Off”.

**Green = Safe**

**Red = Fire or Dead**
**STEP 4**

- Aim the crossbow at your target, and slowly “Squeeze” the Trigger (do not jerk) until the crossbow fires.

**HELPFUL TIP:** For optimum accuracy, follow through your shot by aiming and watching the arrow hit your target with your scope. Following through your shot will greatly reduce the size of your groups. There is virtually no recoil in a crossbow, so relax and hold the crossbow comfortably.

**UN-COCKING**

**WARNING:** DO NOT attempt to “un-cock” the crossbow with a rope cocking device under any circumstances.

**WARNING:** The only two recommended and safest methods to un-cock a Concorde is to use the Quick Draw System, or shoot an arrow into a target or into soft earth, should a target not be at your disposal. Keep an “old” or extra arrow for this purpose.

**USING THE QUICK DRAW SYSTEM**

1. With the crossbow cocked and the Safety on (down with green dot exposed), remove the arrow from the crossbow, ensure that the Carrier Handle is in the “Ready” position and the String Carrier is pivoted up (sticking above the Barrel).

**WARNING:** Do NOT attempt to un-cock your crossbow using the Quick Draw System if the String Carrier is NOT pivoted to the Up position. To do so would dry-fire the crossbow and could void your warranty.
2. Place the crossbow with the Stirrup on the ground so that the crossbow is in an upright position with the rear of the Butt Stock pointing skyward.

3. With one hand, hold the Butt Stock and press and hold the Cocking Button in the Butt Stock for 2-3 seconds.

**ATTENTION:** Observe the Carrier Handle and make sure it is drawn back by the Quick Draw System when you press the Cocking Button. This indicates that the String Carrier is now holding the full weight of the string and you can proceed with the next steps.

4. With your other hand, move the Safety to the Fire position (up).

5. Then pull and hold the Trigger with your trigger finger and then release the Cocking Button with the other finger.

6. The String Latch will release and the string will return to the un-cocked position.

**WARNING:** Keep hands and fingers clear of the moving string and Carrier Handle during the un-cocking process.
UN-COCKING

USING THE DISCHARGE METHOD

• You may find yourself in a position where the CO2 bottle is out of CO2 and you need to un-cock your Concorde Crossbow. In this case, the ONLY safe and proper method to un-cock your crossbow is using the Discharge Method.

**WARNING:** If the CO2 bottle has run out of CO2 gas, you can NOT use the Quick Draw System to un-cock your crossbow.

• Ensure that the Safety is on (down with green dot showing) and that the Carrier Handle is in the “Ready” position. In this case to safely unload your crossbow, follow these simple steps:

1. Remove your hunting arrow from the crossbow.
2. Replace your hunting arrow with a practice or “discharge” arrow tipped with a field point.
3a. Safely point your crossbow at the ground roughly six feet from you at an approximate angle of 45 degrees, not higher. Higher than 45 degrees may introduce an opportunity for the arrow to skip or glance off the ground. Be sure the ground is free of rocks or a hard surface where the arrow will strike (Fig. A).

   or

3b. Using a foam or bag target designed for field points, safely point your crossbow at the target with a clear and safe background behind the target (Fig. B).

4. Move the Safety to the fire position and pull the Trigger.
5. Recover your arrow.

**WARNING:** Do not attempt to un-cock your crossbow using any other means or methods. To do so could result in serious injury and/or damage the crossbow.
STRING SUPPRESSORS

- Your Concorde Crossbow comes from the factory with a pair of String Suppressors pre-installed and tuned. After repeated use, it may be necessary to re-tune the String Suppressors to ensure the correct spacing between the string and the soft string bumpers. To re-tune, use a hex wrench, loosen the two rod screws on each side, and re-position the bumpers so they are barely making contact with the string when the string is at rest.

TROUBLE SHOOTING

The following troubleshooting guide should be used if you experience any problems with your Concorde Crossbow. If the symptom you are experiencing is NOT covered in these pages, or your issue is NOT resolved by following the troubleshooting guide, please do the following:

1. Visit our website for additional information, including briefings and additional troubleshooting information:

   WWW.PARKERBOWS.COM

2. Call our Customer Service Department at (540) 337-5426 and our highly skilled service technicians will gladly assist.

Your Concorde features a highly advanced Quick Draw System that has been designed and engineered for years of trouble free operation. In order to ensure its trouble free operation, it is important to:

- Keep the crossbow clean and free of all debris, dirt, mud, etc.
- **DO NOT** use lubricants in the Trigger or on other internal components
- **DO NOT** attempt to open or dismantle the crossbow. Doing so WILL VOID YOUR WARRANTY
- Keep the Retention Spring on the crossbow in good working order; it is designed to apply consistent down pressure on the arrow when the crossbow is cocked and loaded.
**PROBLEM:** My Concorde won’t cock. I push the Cocking Button and the Carrier Handle does not move, or it does not move all the way to the Latch. What should I do?

1. Make sure the CO2 bottle valve is fully hand tightened into the CO2 Receiver, and a good seal is formed.

2. Make sure the CO2 bottle has enough CO2 in it. Most likely, the bottle is empty or does not have enough CO2. Remove the empty bottle, and replace with another full CO2 bottle or refill it.

**HELPFUL TIP:**

- Full Weight = 23 oz
- Empty Weight = 14 oz
- CO2 in Bottle = 9 oz

**PROBLEM:** After my Concorde sits for a while (several hours), it will not cock even though I recently installed a full CO2 bottle. What should I do?

1. Make sure the CO2 bottle valve is fully hand tightened into the CO2 Receiver, and a good seal is formed.

2. Make sure that the O-ring is in good condition, without cracks, tears or breaks. You can apply a small amount of oil to the O-ring to ensure a secure seal.

**ATTENTION:** It can be very difficult at times to determine if an O-ring is damaged. Sometimes the O-ring will develop a small tear that you cannot see unless you stretch the O-ring. If you cannot determine for certain that the O-ring is damaged, replace it anyway.
PROBLEM: I can hear a leaking or hissing sound. What should I do?

1. If you hear a leaking or hissing sound from the CO2 bottle valve/valve adapter connection, you most likely have a split or damaged O-ring. Remove the bottle and replace the O-ring.

2. If you hear a leaking or hissing sound from inside the stock or around the Cocking Button you may have a damaged line, valve or fitting. In such case, DO NOT attempt to open the stock or try to repair the leak. Remove the CO2 bottle, and call Parker for Customer Service.

PROBLEM: My Concorde is cocked and loaded with an arrow, but won’t fire. What should I do?

1. Remove the arrow from the Barrel.
2. Place the Safety Lever “down” into the safe position (green dot showing).
3. Make sure the Carrier Handle is in the “Ready” position.
4. Properly place arrow back into the Concorde Barrel.
5. Move the Safety Lever “up” into the fire position (red dot showing). You are ready to shoot. If the crossbow still won’t fire, call Parker for Customer Service.
3. Move the Safety Lever up to the fire position.

4. Pull the Trigger. You should notice the Trigger Latch opens up.

5. To cock the crossbow follow the instructions beginning on page 19.

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PROBLEM: The String Carrier is stuck down or sticks when pivoting up and down. What should I do?

1. The String Carrier may be stuck down due to dirt or debris binding it inside the flight groove of the Barrel (Fig. A). With a small pointed object *(ex. a pencil)*, flip the String Carrier into the up position so it will engage the string (Fig. B).

2. Inspect the String Carrier and Barrel for dirt or debris and using compressed air blow out any foreign material.

3. Wipe the Barrel, flight groove and String Carrier with a dry soft cloth.

4. Apply a small amount of Barrel lubricant, such as the RED HOT brand lube, to the Barrel, String Carrier and center serving of the string.

5. If the String Carrier does not easily pivot up and down contact Parker for Customer Service.

**ATTENTION:** DO NOT use wax or other sticky substances on the Barrel or String Carrier.
PROBLEM: The Safety seems stiff or hard to move into the fire position. What should I do?

1. First, remove the arrow from the crossbow. Make sure there is no mud, dirt or debris inhibiting the Safety from moving. If you feel a gritty or scratchy sensation when you move the Safety there is likely dirt or foreign material in the mechanism.

2. Using compressed air, spray the entire Trigger mechanism including the grooves, seams and crevasses where there are moving parts to remove the foreign material.

3. If the above does not resolve the problem, call Parker for Customer Service.

PROBLEM: The Safety is “jammed”, and will not move. What should I do?

1. First, remove the arrow from the crossbow, and review Problem above. If still jammed, try lightly tapping on the Safety with a hard object such as the handle on a screwdriver, getting progressively harder until the Safety moves to the fire position.

2. If the Safety cannot be moved to the fire position, call Parker for Customer Service.

WARNING: DO NOT ATTEMPT TO DISASSEMBLE THE TRIGGER. TO DO SO WILL VOID YOUR WARRANTY.

PROBLEM: The Retention Spring is broken or is bent. What should I do?

1. The arrow Retention Spring is made of a highly durable composite material. It is designed to keep consistent down pressure on the arrow, ensuring the arrow does not move just prior to the shot, as well as to reduce noise. If it were to break, contact Parker for a replacement.

WARNING: DO NOT SHOOT YOUR CROSSBOW WITHOUT A RETENTION SPRING. TO DO SO WILL VOID YOUR WARRANTY.
2. The arrow Retention Spring can be damaged (broken or bent) if improper rope cocking technique is used. When improper technique is used, the rope cocker hooks can “jump” up on top of the Barrel, impacting the Retention Spring and breaking it. To avoid the hooks from jumping up, pull the handles close to your hips or pockets when cocking.

**Proper cocking technique illustrated below**

**INCORRECT:** Hands away from body, pulling up to chest.

**CORRECT:** Hands pulling up towards hip or pockets

**NOTICE** Rope position with improper technique - hooks are pulled “up” onto the top of the Barrel.

**NOTICE** Rope position with proper technique - hooks are pulled “down” along the sides of the Barrel.

**PROBLEM:** My crossbow shoots good groups with field points but not broadheads. What should I do?

1. Most often the broadhead weight does not match the field point weight. Ensure you’re using broadheads that have the same weight as the field points. Parker recommends using 100 grain field points and 100 grain broadheads.

2. Often the problems in broadhead flight arise from using a fixed blade broadhead that is too big in diameter so it wind-planes (steers from the front), or the ferrule is much longer than the field point, changing its front of center balance point.

3. Most mechanical broadheads fly well, providing the blades do not open in flight (called Flashing). On bows under 300 FPS this generally is not a problem. High performance bows do see this often enough to warrant choosing a proper fixed blade broadhead. The RED HOT brand of High Performance Accessories has a broadhead that is specifically designed for Crossbows shooting over 300 FPS. The Crosspro 100 FX broadhead has the same ferrule length as a field point, large vents in the blades to dramatically reduce wind-planing, and has a 1 1/16” cutting Diameter, large enough to produce devastating wound channels, but not large enough to counter the fletching’s steering properties on the back of the shaft.
TROUBLE SHOOTING

PROBLEM: My arrows shoot erratically or group right or left of the bullseye. Why? What should I do?

1. Check to make sure the arrow is loaded correctly each time you shoot. Ensure the cock vane (the odd color fletching that rides inside the Barrel – see below) is loaded “down”. Index (or turn) your Capture Nock to make sure it is in-line with the string when loaded, fully engaging the string.

2. Check to make sure your broadhead weight matches your field point and tighten the broadhead firmly against the arrow insert.

3. Finally, your scope may need to be fine tune adjusted to get “on the bullseye”. See next page for more info.

ATTENTION: Parker REQUIRES using ONLY Parker or RED HOT Brand Crossbow Arrows with Capture Nocks installed and having a finished mass weight of a minimum of 400 grains. DO NOT USE SLOTTED MOON NOCKS OR FLAT NOCKS.

TROUBLE SHOOTING

PROBLEM: My scope will not adjust high enough or far enough left or right? What should I do?

• Your Parker Crossbow came installed with a Hawke or RED HOT Scope, which are manufactured to have a turret adjustment for both windage and elevation of one click equals 1/2” of adjustment at 100 yards. At 20 yards, (being five times closer) the same 1/2” of movement is now 5 clicks. To move the crosshairs one inch is 10 clicks. REMEMBER 10 clicks per 1 inch at 20 yards (10 – 1 – 20).

• You may not have adjusted the scope turrets far enough. Follow the turret ratio’s above and try again.

• If the below recommendations do not resolve your issue, it is possible the scope rings are not properly seated in the sight bridge. Check to make sure that both scope ring bases are firmly seated in the sight bridge grooves. Also ensure that the ring bodies themselves are firmly and evenly tightened around the scope tube.

Example: If your shot is 4 inches Above and 2 inches to the Right of the bullseye, you’ll need to adjust:
1. Elevation - Down 40 clicks
2. Windage - Left 20 clicks
TROUBLE SHOOTING

**PROBLEM: The cables are becoming “fuzzy”. What should I do?**

1. Check to see that the cables are on the Roller Cable Guides and the Roller Cable Guides are in good condition.

2. If the cables have slipped or the Roller Cable Guides are damaged, call Parker for Customer Service.

3. A quality wax will enhance your bows performance and extend your string and cable life, and it will remedy the “fuzzy” appearance. RED HOT brand string and cable wax is formulated for high velocity crossbows and is recommended by Parker.

**PROBLEM: The center serving is becoming “fuzzy”. What should I do?**

1. Sometimes the center serving can become fuzzy or separate after an extended amount of use. This would be considered normal wear. You can remedy this situation by applying a small amount of string wax to the center serving, being careful NOT to use an excessive amount.

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**ATTENTION:** Unless the strands of the string and cables are broken, they remain in good working order and present no danger. If they are broken, have the string and cables replaced.

**ATTENTION:** **WAX:** Wax should be applied only to the exposed strands of the string, cables, and the servings. Apply wax sparingly and fully work into the strands and servings with your fingers.

Do NOT apply wax to the surface of the Barrel of a Parker Crossbow. Wax is a sticky substance that can attract dirt and debris and compromise the function of the String Carrier and its ability to pivot up and down.

In addition, an excessive amount of wax on the center serving could pull wax into the Trigger mechanism along with any collected dirt or debris and over time compromise the performance of the Trigger.

**LUBE:** Although there is little string pressure on the Barrel of Parker Crossbows, using Barrel lubricant is recommended to help extend the life of the center serving. The Barrel lubricant will also coat the Trigger Latch, enhancing the smooth release of the string, therefore increasing the performance of your crossbow.

**ATTENTION:** **DO NOT LUBRICATE THE INTERNAL COMPONENTS OF YOUR TRIGGER.**

The Trigger has been engineered to be maintenance free. Applying lubricants or oils to the Trigger will attract dirt and debris and impair its performance and safety.
1. Your crossbow is a potentially deadly hunting tool, and should never be handled as a toy. It is capable of casting an arrow in excess of 500 yards and harvesting the world's largest big game. It is important to always be aware of your target background as well as your backstop material when shooting, so that any arrow that may miss your target will not endanger people, pets, or property down range. Use a quality target designed for use with crossbow arrows.

2. Always treat your crossbow as you would a firearm, particularly when it is cocked, or cocked and loaded with an arrow.

3. Carefully inspect each arrow after every shot for damage. THIS IS VERY IMPORTANT FOR YOUR SAFETY.

4. Never climb into a tree stand while carrying your crossbow. Place your crossbow on the ground in a safe position, then climb into your stand. After you secure yourself in the tree stand with a safety harness, use a hoist rope attached to your crossbow to pull your crossbow up into the stand.

5. With the Concorde Crossbow, you can cock, re-cock, or un-cock the crossbow in your tree stand using the Quick Draw System. Use great care and follow all safety and operating instructions when operating and shooting your Concorde in your tree stand.

6. As with any bow or crossbow, there is a forward movement of the limbs when fired. Do not attempt to shoot your crossbow when the limbs are in contact with or near an object.

7. Do NOT attempt to shoot your crossbow while in an awkward or unnatural position.

8. Always be aware of where your fingers and thumb are on the Forearm. Shooting from awkward and unnatural positions may distract you from proper Forearm hand placement.

9. While aiming your crossbow, be sure to hold the crossbow level. Do not slope or dip the limbs to one side. Keeping the bow level will greatly improve your shooting and consistency.

10. We strongly recommend wearing shooting glasses while practicing or hunting with your crossbow.

11. Do not leave your crossbow cocked when not in use or unsupervised.

WARNING: DO NOT allow any person who has not read this crossbow owners manual to shoot your crossbow. It is your responsibility to make sure all persons have been properly trained, informed, and warned of all the dangers associated with shooting this crossbow.
Parker Crossbows recommends the following RED HOT™ high performance crossbow accessories to achieve optimum performance and accuracy from your crossbow.

#38-2148 RED HOT
Pin Point, Dial-a-Distance, Variable Power Illuminated Multi-Reticle Scope
1.25- 4.0 Magnification with a 30 mm Tube. Engineered for high performance crossbows shooting over 300 FPS. Dial-a-distance from 10 to 70+ yards. Water proof, shock proof, and fog proof with a Lifetime Warranty.

#38-2142 RED HOT
3 x 32 Illuminated Crossbow Scope
Short, compact, and light, for crossbows shooting over 300 fps. Includes fast focus ocular and clutter free reticle. Lifetime warranty, waterproof, fog proof and shock proof.

#38-2141 RED HOT
3 x 32 Crossbow Scope
Short, compact and light, for crossbows shooting over 300 fps. Includes fast focus Ocular. Dual color illumination, 5 brightness settings of red and green. Lifetime warranty, waterproof, fog proof and shock proof.

#38-2144 RED HOT Match Grade Rings (Med)

#38-225 RED HOT High Velocity Carbon Arrow – 6 PK: Designed for crossbows shooting over 300 fps. Features the NEW Patent Pending Capture Nock for added safety and accuracy. Comes with built in weight forward technology and a 51grn HEVI-HIT insert. 20” long, 425 grn (using a 100 grn point).

#38-2153 RED HOT CrossPro 100 FX Broadhead – 3 pk: 100% stainless steel ferrule and blades, this broadhead is designed using mono-flow technology. Flies the same as 100 grn field point. 1 1/16” cutting diameter.

#38-2150 RED HOT Wax and Barrel Lubricant Kit: 100% scent free, mess free and will not freeze. Barrel lubricant has an applicator tip. 1 of each in kit.

#38-201 Rope Cocking Device: Effective rope / pulley system reduces the cocking effort by 50% while providing consistent string alignment for optimum accuracy. Does not scratch your crossbow’s finish.
#38-220 – Parker Hunter Crossbow Arrow – 6 PK: Top quality carbon arrows made to handle the punishing speed and power of today’s crossbows. These arrows allow your crossbow to perform at the optimum levels of speed and power. Features the NEW Patent Pending Capture Nock for added safety and accuracy. 20” length - For crossbows up to 175 lbs.

#38-343 RED HOT Crossbow Case: This deluxe camo padded nylon crossbow case includes an external quiver pouch, extra high body to fit most crossbows, and adjustable shoulder strap for easy transportation.

#38-207 RED HOT Crossbow Sling w/ Swivels: Thermoformed design has generous padded foam for comfort while carrying your crossbow. Includes sling swivels.

**IMPORTANT INFORMATION**

**- LIMITED LIFETIME - WARRANTY**

To validate your Limited Lifetime Warranty, your warranty card must be completed in full and mailed by the purchaser within 7 days of the purchase date.

OR

Visit our web site at www.parkerbows.com and register your Concorde Crossbow warranty online.

Parker crossbows are warranted for the lifetime of the original purchaser to be free from defects in material and workmanship. This warranty EXCLUDES wear on strings, cables, string silencers and bow finish. Damage caused by mishandling, abuse, dry firing, modifying the product or shooting the crossbow with improperly spined or underweight crossbow arrows is not covered and may void the warranty. In the “Outfitter” package, the accessories are warranted for 30 days. Scope batteries are not warranted.

Any alterations or modifications to your Parker Concorde Crossbow will void the warranty. Alterations could cause damage to the bow or personal injury. Interchanging parts with other bow models or brands will void the warranty. Use ONLY Parker or RED HOT brand Strings and cables.

Should your Parker Concorde Crossbow need repairs, it will need to be returned to Parker for service.

The bow owner is responsible for the cost of shipping the bow to Parker, however Parker will pay the return shipping costs using UPS regular ground delivery. In unusual circumstances, any shipping cost above the regular ground delivery rate for expedited service will be the responsibility of the owner.
-Warranty Return Process-

To ensure a prompt return of your crossbow, complete the following:

1. Contact Parker Crossbows at 540-337-5426 to review your issues with a trained Parker Technician and to obtain a Return Authorization Number.

2. In many situations, we are able to resolve the issue by phone.

3. If we are not able to resolve your issues by phone, remove all accessories before shipping unless otherwise instructed by your Parker Technician.

4. Include a description of your warranty request, and make sure you include your name, address, phone number, email address and the Return Authorization Number.

5. Return the crossbow to Parker at the following Address:

   Parker Crossbows
   3022 Lee Jackson Highway
   Staunton, VA 24401
   RA#____________

6. Be sure to write your Return Authorization Number below the Parker address as shown in step 5.

7. Please package your crossbow carefully, wrapping the crossbow in paper or foam. Ensure the crossbow cannot move around in the box and that there are no loose parts that could shift during delivery and damage the crossbow.

⚠️ ATTENTION: The warranty does not cover damage to the finish.