



User Manual

100TH ANNIVERSARY LIMITED EDITION

362

VARIABLE PUMP
AIR RIFLE

Crosman Model C2023
Single Shot Pellet Pump Airgun

OWNER'S MANUAL

READ ALL INSTRUCTIONS AND WARNINGS IN THIS MANUAL BEFORE USING

If you have questions contact Crosman at 1-800-724-7486, 585-657-6161 or www.crosman.com.

REMEMBER, THIS AIR RIFLE IS NOT A TOY. ALWAYS TREAT THE AIR RIFLE AS THOUGH IT IS LOADED AND WITH THE SAME RESPECT YOU WOULD A FIREARM.

IMPORTANT SAFETY INFORMATION

- ALWAYS treat the air rifle as though it is loaded and ready to fire.
- ALWAYS treat air rifles with the same respect you would a firearm.
- ALWAYS store the air rifle unloaded and away from children.
- ALWAYS aim in a SAFE DIRECTION.
- ALWAYS keep the muzzle of the air rifle pointed in a SAFE DIRECTION.
- ALWAYS keep your finger off the trigger and out of the trigger guard until ready to shoot.
- ALWAYS keep the air rifle "ON SAFE" until you are ready to shoot.
- ALWAYS check to see if the air rifle is "ON SAFE" and unloaded when removing it from storage.
- ALWAYS check to see if the air rifle is "ON SAFE" and unloaded when handing it to, or receiving it from another person.
- ALWAYS have you and others wear shooting glasses to protect your eyes.
- ALWAYS wear shooting glasses over reading or prescription glasses.
- ALWAYS place a shooting backstop in a location that will be safe should the backstop fail.
- ALWAYS check your backstop for wear before and after each use. All backstops are subject to wear and will eventually fail. Replace your backstop if the surface is worn or damaged, or if a ricochet occurs.
- ALWAYS use the proper size pellet in your air rifle. Check the markings on your air rifle to verify the pellet size.
- NEVER point the air rifle at any person or at anything you do not intend to shoot.
- NEVER reuse ammunition.
- NEVER shoot at hard surfaces or at the surface of water. The pellet may bounce off or ricochet and hit someone or something you had not intended to hit.
- NEVER attempt to disassemble or tamper with your air rifle. Use an Authorized Service Station. Using an unauthorized service or repair center, or modifying the function of your air rifle in any way, may be unsafe and will void your warranty.



PARTS

- A. Bolt
- B. Loading Port
- C. Breech
- D. Rear Sight
- E. Front Sight
- F. Muzzle
- G. Barrel
- H. Forearm
- I. Trigger
- J. Safety
- K. Stock

SPECIFICATIONS

Mechanism: Bolt action

Caliber: .22 cal. (5.5mm)

Capacity: Single shot

Power Source: Pneumatic pump action

Velocity: Up to 850 fps (with alloy pellets)

Rear sight: Williams peep

Front sight: High ramp blade

Safety: Crossbolt

PERFORMANCE

Many factors affect velocity, including brand of projectile, type of projectile, lubrication, barrel condition and temperature. This airgun was designed to function best with CROSMAN® ammunition. Use of other ammunition may cause the gun to malfunction.

⚠ WARNING: NOT A TOY. ADULT SUPERVISION REQUIRED. MISUSE OR CARELESS USE MAY RESULT IN SERIOUS INJURY OR DEATH. DANGEROUS WITHIN 750 YARDS (686 METERS)

⚠ WARNING: DO NOT BRANDISH OR DISPLAY THIS AIRGUN IN PUBLIC - IT MAY CONFUSE PEOPLE AND MAY BE A CRIME. POLICE AND OTHERS MAY THINK IT IS A FIREARM. DO NOT CHANGE THE COLORATION AND MARKINGS TO MAKE IT LOOK MORE LIKE A FIREARM. THAT IS DANGEROUS AND MAY BE A CRIME.

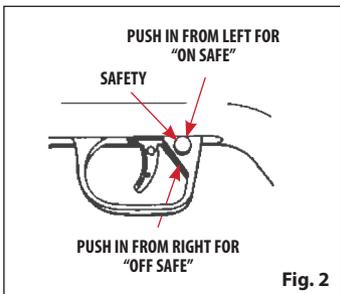
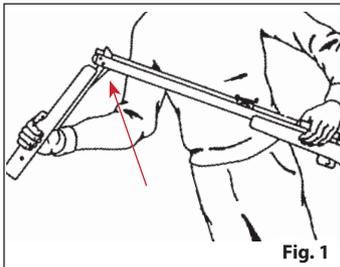
⚠ WARNING: THIS PRODUCT CAN EXPOSE YOU TO CHEMICALS INCLUDING LEAD, WHICH IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. FOR MORE INFORMATION GO TO WWW.P65WARNINGS.CA.GOV.

THIS AIR RIFLE IS INTENDED FOR USE BY THOSE 16 YEARS OF AGE OR OLDER. YOU AND OTHERS WITH YOU SHOULD ALWAYS WEAR SHOOTING GLASSES TO PROTECT YOUR EYES. BUYER AND USER HAVE THE DUTY TO OBEY ALL LAWS REGARDING THE USE AND OWNERSHIP OF THIS AIR RIFLE.

REVIEW PINCH POINTS

There are certain areas on this air rifle that are potential pinch points. Please study the diagram showing pinch points before using this air rifle.

⚠ WARNING: KEEP FINGERS CLEAR OF THE PINCH POINTS SHOWN IN FIG. 1.



OPERATING THE SAFETY

CAUTION: Like all mechanical devices, an air rifle safety can fail. Even when the safety is "ON SAFE", you should continue to handle the air rifle in a safe manner.

1. Locate the safety on the airgun directly behind the trigger. (Fig. 2)
2. The words "Push Safe" are on the left side above the safety. The words "Push Fire" are on the right side above the safety. The condition of the safety is indicated by the direction of the safety.

A. To Put the Airgun "ON SAFE"

1. Locate the safety behind the trigger.
2. Push the safety from the left side in (Fig. 2) for "ON SAFE" until you hear a distinct click.
3. The safety is in the SAFE position, and the airgun is "ON SAFE" when the RED ring is NOT showing.

B. To Put the Airgun "OFF SAFE"

1. Push the safety from the right side in for "OFF SAFE" until you hear a distinct click.
2. The safety is in the FIRE position, and the airgun is "OFF SAFE" when the safety is protruding from the left side of the trigger guard, and the RED ring around the left side of the safety is showing.

⚠ WARNING: KEEP THE AIRGUN IN THE "ON SAFE" POSITION UNTIL YOU ARE ACTUALLY READY TO SHOOT. THEN PUSH THE SAFETY TO THE "OFF SAFE" POSITION.

PUMPING THE AIRGUN

CAUTION:

- Never pump your air rifle less than two or more than 8 times.
- Over pumping may leave a small amount of air in the air rifle after it is fired and may allow the user to accidentally fire a second, unintended shot without any additional pumping.
- You must follow the procedure described below for pumping, loading and firing your air rifle each time you shoot.
- Be sure to hold the forearm firmly as you open it. It could spring back, possibly causing injury.

1. Put the airgun "ON SAFE".
2. Place your hands in the same positions as shown in Fig. 3. Improper hand placement may result in pinching if you lose hold of the forearm. May result in injury.
3. Firmly grip the forearm and open it all the way until it stops and then, with a smooth stroke, return the forearm to its original closed position.

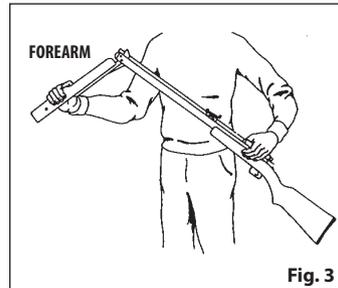
IMPORTANT: Always pump with full, even strokes to ensure consistent velocity. Hesitate for a second at the top of each stroke to ensure that the intake hole is wide open.

4. Use straight strokes while pumping the airgun. Twisting the forearm while pumping may cause the forearm to break
5. Make sure to use at least two pumps (but no more than 8) to prevent a pellet from jamming in the barrel after firing.

REMEMBER: You must follow the procedure described above for pumping, loading and firing your air rifle for each shot.

UNCHARGING THE AIRGUN

1. Always uncharge your airgun before handing it to another person when you are done shooting and before storing.
2. Make sure the airgun is "ON SAFE" and pointed in a SAFE DIRECTION.
3. To uncharge the airgun, cock and lock the bolt as if you were loading a pellet (see Section 5), but DO NOT load a pellet.
4. Put the airgun "OFF SAFE."
5. Fire in a SAFE DIRECTION.
6. Put the airgun "ON SAFE."



⚠ WARNING: ALWAYS HOLD THE FOREARM FIRMLY WHEN PUMPING AIRGUN. FAILURE TO GRIP THE FOREARM FIRMLY WHILE PUMPING THE AIRGUN MAY CAUSE THE FOREARM TO SPRING BACK AND MAY RESULT IN INJURY.

LOADING AND UNLOADING YOUR AIR RIFLE

CAUTION: This air rifle was designed to function best with CROSMAN® and BENJAMIN® pellets.

- Use of other ammunition may cause the gun to malfunction and could cause damage to the air rifle.
- Never reuse ammunition.
- Review the entire manual, including the section on Safety, before firing your air rifle.

A. Loading a pellet

1. Put the air gun "ON SAFE."
2. Point the airgun in a SAFE DIRECTION.
3. Open the bolt by pushing the bolt handle up and pulling it all the way back until you hear two clicks and the bolt stays rearward. (Fig. 4)
4. With the bolt open, place one pellet, nose first, in to the loading port. (Fig. 5)
5. Lightly push the pellet in to the barrel by moving the bolt to the full forward position.
6. Push the bolt handle down to lock.
7. Be sure the bolt is closed and locked before firing.
8. After following these steps and reading the entire manual, including the section on reviewing safety procedures, your airgun is now loaded and ready to fire.

B. Unloading Pellets

1. The most common way to unload pellets is to fire your airgun in a SAFE DIRECTION.
2. You can also follow the directions under Section 8 on removing a jammed pellet.

AIMING AND FIRING SAFELY

- Always point your airgun in a SAFE DIRECTION.
- You and others with you should always wear shooting glasses to protect your eyes.
- Do not shoot at hard surfaces or at the surface of water. The pellet may bounce off or ricochet and hit someone or something you had not intended to hit.
- Always choose your target carefully. For example, you may wish to shoot at paper bulls-eye targets that are attached to a safe backstop such as the Crosman 850 Target Trap. A heavy blanket should be hung behind the target trap to prevent ricochet should you miss the backstop.

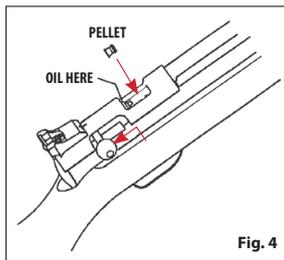


Fig. 4

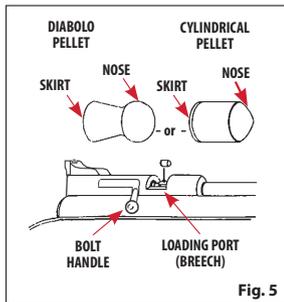
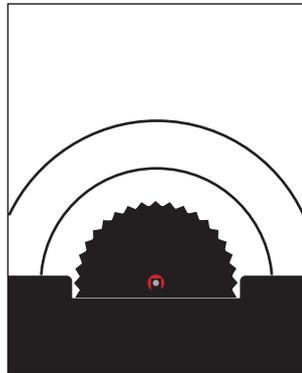


Fig. 5

- Your airgun is designed for target shooting and is suited for both indoor and outdoor use. Always remember to place your target carefully. THINK about what you will hit if you miss the target.
- When using the peep rear sight, the airgun is correctly aimed when the bulls eye is resting on the top of the front sight blade and the bulls-eye is in the center of the peep hole. (Fig. 6)

SIGHTING IN YOUR RIFLE

- Your Williams Peep Sight will come factory installed at the recommended settings. However, some adjustment is likely needed to get your rifle sighted in correctly.
- We recommend sighting your C2023 rifle in at roughly 10 yards.
- Before making adjustments we recommend taking note of the previous windage and elevation settings.



ADJUST ELEVATION

- To adjust elevation you must first loosen the elevation locking screw, located on the side of your sight, towards the rear. The locking screw is identified by a silver ring surrounding the screw (Fig. 7)
- Loosen the locking screw only enough to make adjustments, over-loosening can cause the sight to fall off completely.
- Once loosened, make micro-adjustments to your elevation by raising or lowering the small set screw located on the top of the sight (Fig. 7)
- To make larger adjustments you can raise or lower the sight by hand.
- Once your elevation is set, re-tighten the locking screw.

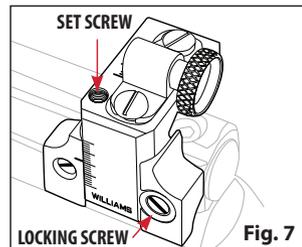


Fig. 7

ADJUST WINDAGE

- To adjust windage you must first loosen BOTH of the larger left and right windage screws located on the top of the sight. (Fig. 8)
- Once loosened, adjust the sight by hand.
- Once your windage is set, re-tighten BOTH the left and right windage screws located on the top of the sight

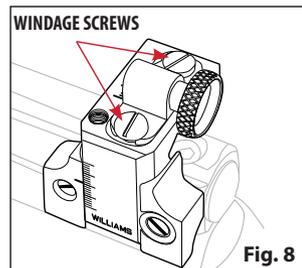


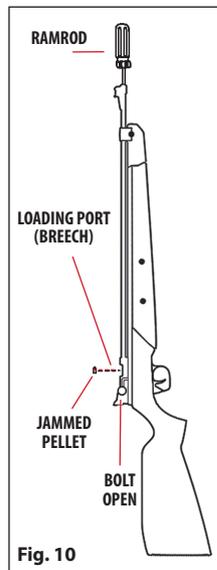
Fig. 8

⚠ WARNING: EVEN AS YOU GO THROUGH THE UNLOADING PROCEDURE, CONTINUE TO TREAT THE AIRGUN AS THOUGH IT WERE LOADED. DO NOT POINT AT ANYTHING YOU DO NOT INTEND TO SHOOT.

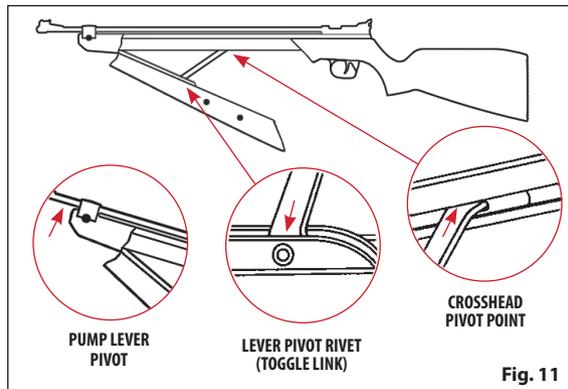
CLEARING A JAMMED PELLET

Put the airgun "ON SAFE".

1. Open the bolt all the way.
2. With the bolt in the open position, insert a ramrod (not included) in to the muzzle end of the barrel and gently push the jammed pellet in to the pellet loading port (forward of the bolt). (Fig. 10)
3. Do not reuse the pellet again.



NOTE: If you are not able to unjam your air rifle by following the "clearing a jammed pellet" procedure, take no further action. An Authorized Service Station will unjam your air rifle (at no cost to you during the warranty period).



MAINTENANCE

A. General Maintenance

1. Periodically check and tighten scope mounts.
2. To ensure that your airgun maintains uniform power, it is important that you apply a drop of Crosman 0241 Pellgun Oil[®] every 250 shots.
 - a. Put one drop of Crosman 0241 Pellgun Oil (available at crosman.com) on the pump pivot pins and the pump cup in the pump mechanism. (Fig. 11)
 - b. DO NOT use petroleum distillate based oil or solvent and DO NOT over-oil as this can cause damage to the air rifle.
3. A light coat of Pellgun oil on the barrel helps prevent rust.
4. If you drop the airgun, visually inspect it for damage before using it again.
5. Periodically check your airgun. If anything seems changed, like a shorter or weaker trigger pull, this may mean worn out or broken parts. Call customer service for assistance before using your airgun again.

A SPECIAL MESSAGE TO PARENTS

Personal injury or death can result from improper handling if a pellet or BB strikes someone in a vulnerable spot. This air rifle is not a toy. Therefore, if you purchased this air rifle for use by a younger shooter, please make certain he or she operates it under the supervision of an adult.

We are concerned that all users learn to use this gun properly without injury to themselves or others. You may be able to obtain further information for instruction in shooting from one or more of the following groups: Boy Scouts of America, National Rifle Association, conservation clubs, gun clubs, 4-H Clubs, hunter safety groups, or write to Crosman Corporation, Rts 5 & 20, Bloomfield NY 14469. For more information on Crosman products and accessories visit our website at www.crosman.com.

⚠ WARNING:

- IF A PELLET DOES NOT FIRE AFTER COMPLETING THE OPERATION STEPS, THE AIRGUN MAY BE JAMMED. AN UNFIRED PROJECTILE IN THE BARREL CAN BE A DANGEROUS SITUATION.
- DO NOT RELOAD THE AIRGUN IF A PELLET IS JAMMED.
- DO NOT PUMP THE AIRGUN DURING THE REMOVAL OF A JAMMED PELLET.
- NEVER LOOK DOWN THE BARREL TO SEE IF A JAM HAS BEEN CLEARED.

⚠ WARNING:

- DO NOT ATTEMPT TO DISASSEMBLE YOUR AIRGUN.
- DO NOT MODIFY OR ALTER YOUR AIRGUN. ATTEMPTS TO MODIFY THE AIRGUN IN ANY WAY INCONSISTENT WITH THIS MANUAL MAY MAKE YOUR AIRGUN UNSAFE TO USE, CAUSE SERIOUS INJURY OR DEATH, AND WILL VOID THE WARRANTY.
- USE CROSMAN PELLGUNOIL ONLY AND DO NOT OVER-OIL. TO DO SO CAN CAUSE POSSIBLE DAMAGE TO THE GUN AND INJURY TO THE SHOOTER AND BYSTANDERS.



LIMITED ONE YEAR WARRANTY

This product is warranted to be free of defects in materials and workmanship for 1 year. Buyer should retain the original sales receipt as record of date of purchase. If no receipt, the Product is warranted for 1 year from date of manufacture. This warranty does not cover gun sights, optical sights (rifles scopes, lasers, and red dot sights), slings and/or other accessories. In the event of a defect under this warranty, Crosman will, at its option, repair or replace the product; provided, however, its inspection indicates that an original defect exists. Crosman reserves the right to replace any product which is no longer available with a product of comparable value and function. If Crosman determines the repair is not covered under the warranty guidelines, there could be a charge to you for the repair.

WHAT IS COVERED:

1. Parts and Repair of any factory defect of material or workmanship.
2. Transportation charges to consumer for the repaired product and/or replacement product.

WHAT IS NOT COVERED:

1. Transportation charges to Authorized Service Station for defective product.
2. Normal wear and tear from regular use.
3. Damaged parts as a result from misuse, neglect or tampering.
4. Damage caused by dry-fire, abuse, modification or failure to perform normal maintenance – see Owner's Manual.
5. Improper installation or maintenance performed by someone other than a Crosman Authorized Service Station.
6. Any other expense.

This limited warranty does not include consequential damages, incidental damages or incidental expenses, including damage to property or any other expense. Crosman 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, 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. Call 1-800-7AIRGUN (1-800-724-7486) or find answers to frequently asked questions at crosman.com.

WARRANTY CLAIM AND REPAIR SERVICE

If your airgun needs repair - DO NOT ATTEMPT TO DISASSEMBLE IT! Your airgun requires special tools and fixtures to repair it. Any disassembly or modification not performed by a Crosman Authorized Service Center will void the warranty.

U.S. Customers - Contact Crosman Customer Service at (800) 724-7486 or e-mail us via www.crosman.com. You will be instructed where and how to send your airgun in for repair under warranty or referred to one of our authorized service centers in your area.

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, e-mail address and telephone number. Allow 2-4 weeks for repairs. We recommend you use a method of shipping that provides you with a tracking number and insurance options. Crosman is not liable for any damaged, lost or stolen merchandise during shipping.

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 e-mail us via www.crosman.com.

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CROSMAN CORPORATION

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