



CHALLENGER® 2000

.177 Caliber (4.5 mm) Pellet CO₂ Rifle

OWNER'S MANUAL

READ ALL INSTRUCTIONS AND WARNINGS IN THIS MANUAL BEFORE USING THIS AIR RIFLE

Incluye instrucciones en español al reverso

Crosman Corporation
Rts. 5 & 20
East Bloomfield, NY 14443

CH2000-515

WARNING: Not a toy. Adult supervision required. Misuse or careless use may cause serious injury or death. May be dangerous up to 450 yards (411 meters).

YOU AND OTHERS WITH YOU SHOULD ALWAYS WEAR SHOOTING GLASSES TO PROTECT YOUR EYES.
READ ALL INSTRUCTIONS BEFORE USING.
BUYER AND USER HAVE THE DUTY TO OBEY ALL LAWS ABOUT THE USE AND OWNERSHIP OF THIS AIRGUN.

THIS AIRGUN IS INTENDED FOR USE BY THOSE 16 YEARS AND OLDER.

Congratulations and thank you for purchasing the CROSMAN® CHALLENGER® 2000 .177 caliber (4.5 mm) pellet CO₂ three-position precision target rifle. Please read this owner's manual completely. And remember, this air rifle is not a toy. Treat it with the same respect you would a firearm. Always carefully follow the safety instructions found in this owner's manual and keep this manual in a safe place for future use.

If you have any questions regarding your new air rifle, please contact Crosman at 1-800-724-7486, 716-657-6161 or www.crosman.com.

STEPS FOR SAFE SHOOTING

- Step 1. Learning the Parts of Your New Air Rifle
- Step 2. Operating the Safety
- Step 3. Removing and Installing the CO₂ Cartridge
- Step 4. Loading and Unloading Pellets
- Step 5. Adjusting the Stock

- Step 6. Adjusting Trigger Over-travel
- Step 7. Aiming and Firing Safely
- Step 8. Removing a Jammed Pellet
- Step 9. Maintaining Your Air Rifle
- Step 10. Reviewing Safety

Step 1. Learning the Parts of Your New Air Rifle

Learning the names of the parts of your new air rifle will help you to understand your owner's manual. Use this manual to increase your enjoyment of this air rifle.

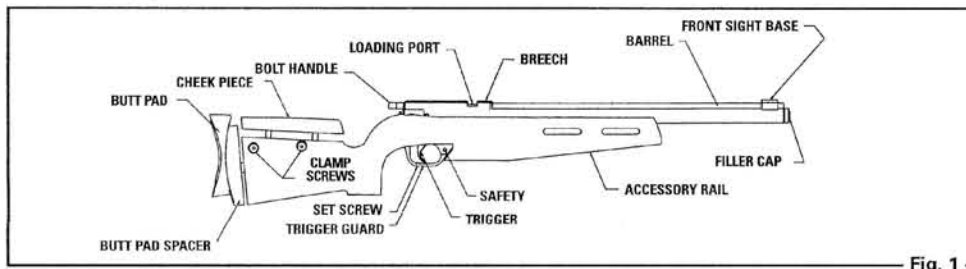


Fig. 1

Step 2. Operating the Safety

WARNING: Keep the air rifle in the "ON SAFE" position until you are actually ready to shoot. Then push the safety to the "OFF SAFE" position.

A. To Put the Air Rifle "ON SAFE":

- Locate the safety directly in front of the trigger (Fig. 2).
- Push the safety from the left side all the way in. The safety is not on unless it is pushed all the way in and the red ring around the safety is not showing. The air rifle will not fire when "On Safe".

Even when the safety is "On Safe", you should continue to handle the air rifle safely. Do not ever point the air rifle at any person. Do not ever point the air rifle at anything you do not intend to shoot.

B. To Take the Air Rifle "OFF SAFE":

- Push the safety from the right side all the way in. The air rifle is ready to fire when "Off Safe".

When you can see the RED ring around the safety, the air rifle is "Off Safe" and can be fired.

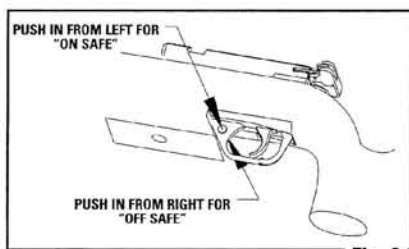


Fig. 2

Step 3. Removing and Installing the CO₂ Cartridge

WARNING: CO₂ cartridges may explode at temperatures above 120°F (48.9°C). Do not mutilate or incinerate them. Do not expose them to heat or store CO₂ cartridges at temperatures above 120°F (48.9°C).

WARNING: Keep hands away from escaping CO₂ gas. It can cause frostbite if allowed to come in contact with skin. Always make sure the CO₂ cartridge is empty before attempting to remove it from the air rifle by slowly turning the filler cap counterclockwise all the way until you no longer hear the escape of CO₂ gas.

A. Removing the CO₂ Cartridge

- Make sure the air rifle is "On Safe" (See Step 2A).
- Make sure the air rifle is unloaded (See Step 4B).
- Point the air rifle in a SAFE DIRECTION.
- Slowly turn the filler cap counterclockwise all the way until you no longer hear the escape of CO₂ gas.
- Pull the filler assembly from the action tube.
- Point the muzzle of the air rifle down so that the CO₂ cartridge will fall out.

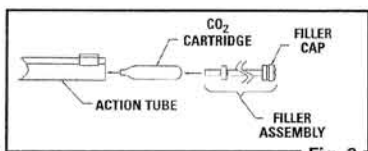


Fig. 3

B. Installing the CO₂ Cartridge

- Insert a new CO₂ cartridge into the air rifle with the small neck of the cartridge inserted into the action tube first (Fig. 3).
- Replace the filler cap assembly in the action tube. Be sure to screw the filler cap completely into place until tight.
- Point the air rifle in a SAFE DIRECTION, take "Off Safe" (See Step 2B), cock and close the bolt and pull the trigger. If the air rifle does not make a popping noise after pulling the trigger, the CO₂ is not being discharged. In that event, repeat cocking and firing the air rifle until there is a popping noise, which will mean the air rifle is releasing CO₂ with each pull of the trigger.
- Return the safety to the "On Safe" position (See Step 2A).

NOTE: We recommend the use of COPPERHEAD® brand POWERLET® CO₂ cartridges. They are made to fit the CHALLENGER® 2000 air rifle. Other brands of CO₂ cartridges may not fit properly and if you force them into place it may result in injury to you or damage to your air rifle. Never try to force any CO₂ cartridge into or out of place. Do not store your air rifle with a full CO₂ cartridge in it. (This is very important to remember, as it will prolong the longevity of your air rifle seals.)

Step 4. Loading and Unloading Pellets

WARNING: Use .177 (4.5 mm) caliber pellets only. Never reuse pellets. Use of any other ammunition can cause injury to you or damage to the air rifle.

A. Loading the Pellets

- Put the air rifle "On Safe" (See Step 2A).
- Point the air rifle in a SAFE DIRECTION.
- Cock and open the bolt by squeezing the bolt latch to unlock and pulling the bolt handle all the way back until you hear two clicks and the bolt stays rearward.
- Place one pellet, nose first, into the loading port (breech) (Fig. 4). This is a single shot pellet rifle. Load no more than one pellet at a time.
- Lightly push the pellet into the barrel by closing the bolt and returning the bolt handle to the locked position by firmly pushing the bolt handle all the way forward until you have heard two clicks. DO NOT jam

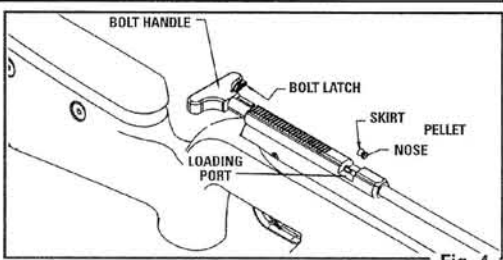


Fig. 4

the bolt forward. This will damage your air rifle.

- Be sure the bolt is fully closed and locked into position before firing. If it is not closed and fully locked, the pellet may not be discharged.

B. Unloading Pellets

NOTE: The air rifle must be charged with CO₂ when following these steps, but remember, do not store your air rifle with a full CO₂ cartridge (See Step 3B NOTE).

- Aim the air rifle in a SAFE DIRECTION, take it "Off Safe" (See Step 2B), cock and close the bolt (See Step 4A), and squeeze the trigger to fire. You may also unload your air rifle by following the directions listed under Step 8. Removing a Jammed Pellet.

Step 5. Adjusting the Stock

- Make sure your air rifle is "On Safe" (See Step 2A).
- Loosen the two clamp screws located below the cheek piece using a 5/32 Allen head wrench (Fig. 5).

Cheek Piece: Pull up on the cheek piece to adjust for height. When adjusting the height of the cheek piece downward, make sure your hand is placed on top of the cheek piece only, so that you do not pinch your fingers.

Butt Pad: For horizontal adjustment, pull out on the butt pad. For vertical adjustment, loosen the butt pad screw using a 5/32 Allen head wrench. Slide butt pad up or down for desired position. **NOTE:** A butt pad-locking pin has been provided to comply with some shooting regulations that prohibit vertical butt pad adjustment (Fig. 6). A viewing port has also been provided to allow for visual verification of the use of a butt pad-locking pin. The butt pad locking pin is stored inside the butt pad. To locate the butt pad-locking pin on the inside of the butt pad, the butt pad must be removed.

- Tighten the adjustment screws to maintain the desired positions.

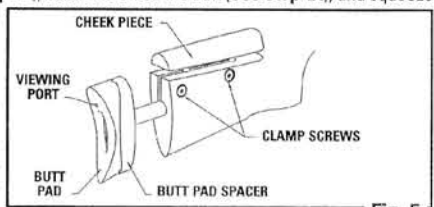


Fig. 5

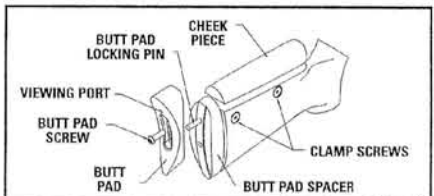


Fig. 6

Step 6. Adjusting Trigger Over-travel

To ensure crisp, consistent action of the trigger, a set screw has been incorporated into the trigger guard to limit over-travel. This screw has been preset at the factory for optimum results. If the action of the trigger becomes inconsistent, you will need to reset the screw.

- Make sure that the air rifle is unloaded (See Step 4B), de-gassed (See Step 3A) and "On Safe" (See Step 2A).
- Turn the set screw with a 3/32 Allen head wrench until the bottom of the screw is flush with the bottom of the trigger guard.
- Cock the air rifle (See Step 4A), point the air rifle in a SAFE DIRECTION, take "Off Safe" (See Step 2B) and fire. If the air rifle does not fire, turn the set screw counterclockwise in 1/2-turn increments until it fires.
- Put the air rifle "On Safe" (See Step 2A).

Step 7. Aiming and Firing Safely

A. Aiming and Firing the Air Rifle

- You and others with you should always wear shooting glasses to protect your eyes.
- Always aim your air rifle in a SAFE DIRECTION. When you are sure of your target and backstop, and the area around the target is clear, take the air rifle "Off Safe" (See Step 2B), cock the bolt (See Step 4A) and squeeze the trigger to fire.
- 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. It is best to shoot at paper bullseye targets which 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.
- Your backstop should be checked for wear before and after each use. Replace your backstop if the surface is worn or damaged or if a ricochet occurs.
- Your air rifle 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.
- The air rifle is correctly aimed when the front sight blade is positioned exactly in the center of the rear sight aperture (peephole). The bullseye should appear to rest in the center of the circle of the front sight blade (Fig. 7).

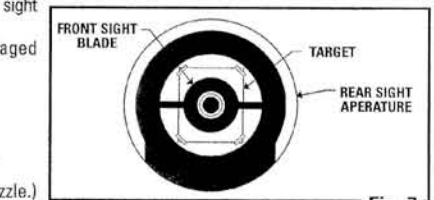


Fig. 7

B. Sight Adjustment (See instructions included with the sight packaged with this air rifle.)

Step 8. Removing a Jammed Pellet

- Unload all of the pellets (See Step 4B).
- Put the air rifle "On Safe" (See Step 2A).
- Empty and remove the CO₂ cartridge (See Step 3A & 3B NOTE).
- Open the bolt (See Step 4A).
- Insert a ramrod of the proper size into the barrel. (Start at the muzzle.)
- The barrel could be damaged if the proper sized ramrod is not used.
- Push the jammed pellet into the pellet loading port (forward of the bolt) (Fig. 8).
- Do not try to reuse that pellet.
- If you are not able to unjam your air rifle by following this procedure, take no further action. Crosman Corporation or an Authorized Service Station will unjam your air rifle (no cost during the warranty period).

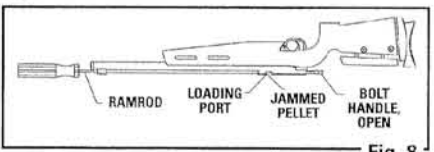


Fig. 8

Step 9. Maintaining Your Air Rifle

- Put a drop of Crosman 0241 PELLGUNOIL® lubricating oil directly on the tip of a CO₂ cartridge before inserting. DO NOT use a petroleum distillate based oil or solvent and DO NOT over-oil as this can cause damage to your air rifle. Both the barrel and tube are made of a rust resistant, metal alloy and require no special treatment. Other external metal surfaces should be wiped with a lightly oiled cloth after each use.
- If the accuracy of your air rifle falls off, run a firm but free fitting patch through the barrel. Be sure to use a ramrod of the proper size that will not damage the barrel.
- Tampering with the air rifle or attempts to change the air rifle in any way may make it unsafe to use and will void the warranty.
- If you drop your air rifle, 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 worn out or broken parts. Call the factory for assistance before using your air rifle again.

Step 10. Reviewing Safety

- Do not ever point the air rifle at any person. Do not ever point the air rifle at anything you do not intend to shoot.
- Always treat the air rifle as though it is loaded and with the same respect you would a firearm.
- Always aim in a SAFE DIRECTION. Always keep the muzzle of the air rifle pointed in a SAFE DIRECTION.
- Always keep the air rifle "On Safe" until you are ready to shoot in a SAFE DIRECTION.
- Always check to see if the air rifle is "On Safe" and unloaded when getting it from another person or from storage.
- Always keep your finger off the trigger and out of the trigger guard until ready to shoot.
- You and others with you should always wear shooting glasses to protect your eyes.
- Keep hands away from escaping CO₂ gas. It can cause frostbite if allowed to come in contact with skin.
- Use .177 caliber (4.5 mm) pellets only. Never reuse pellets.
- 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.
- Replace the backstop if it becomes worn. Place the backstop in a location that will be safe should the backstop fail.
- Do not attempt to disassemble or tamper with your air rifle. Use an Authorized Service Station or return it to the factory for repair.
- Do not put the air rifle away loaded or charged with CO₂. Make sure ALL of the pellets are unloaded from the air rifle (See Step 3A and 4B).
- Always keep your CROSBLOCK® trigger block in place when storing this air rifle in a secure location. (See CROSBLOCK instructions packaged with this air rifle for assistance.)

SPECIFICATIONS

Mechanism:	Bolt action	Barrel:	Rifled, right hand, 6 grooves, 1 turn in 14"
Caliber/Ammo:	.177 cal. (4.5 mm) Lead airgun pellet	Power Source:	12 gram CO ₂ cartridge
Capacity:	Single shot	Safety:	Cross bolt
Weight:	6.95 lbs. (3.11 kg)	Stock:	Synthetic
Length:	36 1/4" (92.7 cm) (Adjustable)	Velocity:	Up to 495 f.p.s. (150.9 m/s)
Sights: Rear:	Adjustable for Windage and Elevation		
Front:	Removable aperture		

PERFORMANCE

Operating your air rifle below 70°F (21.1°C) will decrease the number of effective shots. The reverse is true for operating above 70°F (21.1°C). Many factors affect velocity, including brand of projectile, type of projectile, amount of CO₂ in cartridge, lubrication, barrel condition and temperature. Shooting more than 50 pellets per CO₂ cartridge may result in unsatisfactory accuracy due to lower velocities.

WARNING: Lead pellets - do not inhale pellet dust or put pellets in mouth. Wash hands after handling. Lead is a toxic substance listed under CA Prop. 65 as causing reproductive toxicity.

REPAIR SERVICE

If your air rifle needs repair, we recommend that you take or send it to an Authorized Service Station or Crosman Corporation. For an Authorized Service Station near you, visit our web site at www.crosman.com or call Customer Service at 1-800-724-7486 or 716-657-6161. (International customers should contact their distributor.) DO NOT ATTEMPT TO DISASSEMBLE IT! Your air rifle requires special tools and fixtures to repair it. If you take it apart, you probably will not be able to reassemble it correctly. Crosman assumes no warranty responsibility under such circumstances.

LIMITED ONE YEAR WARRANTY

This product is warranted to the retail consumer for one year from date of retail purchase against defects in material and workmanship and is transferable. To register the serial number of your gun, please return the Product Registration form found in your owner's manual packet. The warranty is not conditioned on the return of the card.

WHAT IS COVERED

Replacement parts and labor. Transportation charges to consumer for repaired product.

WHAT IS NOT COVERED

Transportation charges to Crosman for defective product. Damages caused by abuse or failure to perform normal maintenance (See Step 9). Any other expense. CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, OR INCIDENTAL EXPENSES, INCLUDING DAMAGE TO PROPERTY. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

WARRANTY CLAIMS

USA Customers: Attach your name, address, description of problem, phone number and copy of sales receipt to product. Package and return to Crosman Corporation, Rts. 5 & 20, E. Bloomfield, NY 14443.

Canadian Customers: Follow packaging procedures above and send to Crosman Parts & Service Depot, 427 Pido Road, P.O. Box 2421, Peterborough, Ontario K9J 7Y8 Canada.

International Customers: Please return product to your nearest distributor. If you do not know your distributor, please call 716-657-6161 and ask for our International Department for assistance.

IMPLIED WARRANTIES

ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR FROM DATE OF RETAIL PURCHASE. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS 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.

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