

WildFire Pre-Charged Pneumatic (PCP) .177 caliber (4.5mm) Semi-Automatic Pellet Rifle OWNER'S MANUAL

Crosman Corporation
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1-800-724-7486

E-1077PCPA515

WARNING: NOT A TOY. THIS AIRGUN IS RECOMMENDED FOR ADULT USE ONLY. MISUSE OR CARELESS USE MAY CAUSE SERIOUS INJURY OR DEATH. MAY BE DANGEROUS UP TO 500 YARDS (457 METERS).

WARNING: DO NOT BRANDISH OR DISPLAY THIS AIR RIFLE 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.

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 REGARDING THE USE AND OWNERSHIP OF THIS AIRGUN.

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

WARNING: EXPLOSION DANGER. USE ONLY COMPRESSED AIR IN THIS AIRGUN. USE NO OTHER GASSES—INCLUDING OXYGEN, WHICH CAN CAUSE A FIRE OR EXPLOSION THAT MAY RESULT IN SERIOUS INJURY OR DEATH.

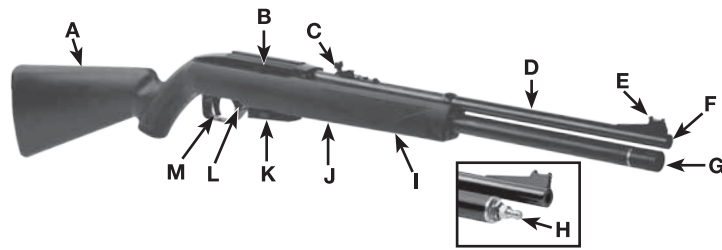
REMEMBER, THIS AIR RIFLE IS NOT A TOY. ALWAYS TREAT THE AIR RIFLE AS THOUGH IT IS LOADED AND WITH THE SAME RESPECT YOU WOULD A FIREARM.
CAUTION: This airgun has been classified as an adult airgun, and is recommended for adult use only. Because it is considered to be a special-purpose airgun, it is exempt from specific types of trigger pull, safety mechanism and drop tests

1. Reviewing Safety

- ALWAYS treat the air rifle as though it is loaded and ready to fire.
- ALWAYS treat the air rifle 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 to, or receiving 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 proper size ammunition in your air rifle. Check the markings on your air rifle to verify the ammo size.
- ALWAYS 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 shoot.
- 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.
- Store this airgun charged with air to keep the valves closed against dirt.

2. Learning the Parts of Your New Airgun

Learning the names of the parts of your new airgun helps you to understand your owner's manual. Use this manual to increase the enjoyment of this airgun.

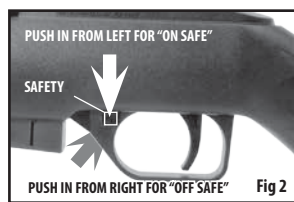


- A. Stock
- B. Barrel Latch
- C. Rear Sight
- D. Barrel
- E. Front Sight
- F. Muzzle
- G. Protective Cap For Fill Nipple
- H. Fill Nipple
- I. Forearm
- J. Pressure Gauge
- K. Pellet Magazine
- L. Safety
- M. Trigger

3. 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.

- To Put the Airgun "ON SAFE":**
 - Keep the air rifle pointed in a SAFE DIRECTION.
 - Locate the safety directly in front of the trigger.
 - Push the safety from the left side all the way in (Fig. 2). The safety is not "ON SAFE" unless it is pushed all the way in and the RED ring around the safety is not showing.
 - NEVER point the airgun at any person. NEVER point the airgun at anything you do not intend to shoot.
- To Take the Airgun "OFF SAFE":**
 - Keep the air rifle pointed in a SAFE DIRECTION
 - Push the safety from the right side all the way in. When you see the RED ring around the safety, the airgun is "OFF SAFE" and can be fired.



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.

4. Pressurizing the Airgun

This airgun is designed for use at pressures between 1,000 and 2,000 psi depending on how you, as the user prefer.

NOTE: Before firing the airgun make certain there is sufficient pressure for proper operation. The gauge needle should be pointing to the area between 1000 and 2000 psi on the gauge.

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WARNING: DISCONNECTING THE FILL HOSE FROM THE AIRGUN WITHOUT BLEEDING THE AIR FIRST MAY RESULT IN INJURY FROM HOSE WHIP AS A RESULT OF PRESSURE IN THE FILL HOSE.

A. Pressurizing (Filling) the Airgun with a Hand Pump

- Make sure to wear eye protection.
- Make sure the air rifle is unloaded. (See Section 6B for instructions on unloading.)
- Read all instructions for your hand pump so you are familiar with its operation. Use only a pump designed for filling a pre-charged airgun and outfitted with a Foster #12FS quick disconnect fitting. Do not use a standard air compressor or bicycle pump.
- Make sure air rifle is "ON SAFE" and pointed in a SAFE DIRECTION.
- Pull off the protective cap that covers the fill nipple on the airgun.
- Connect the quick-disconnect fitting on the hand pump hose to the fill nipple (Fig. 3).
- Make certain the bleed screw on the hand pump is fully closed (tighten in a clockwise direction) (Fig. 4).
- Start pumping and continue until the gauge needles on your pump and on the airgun are between 1000 psi and 2000 psi depending on your desired tune.
- DO NOT fill the airgun to more than 2000 psi. See "Overfill" information Section 4C.
- Open the bleed screw on the pump base rapidly in a counter-clockwise direction to COMPLETELY bleed the hose. You must bleed the fill hose COMPLETELY to avoid hose whip from pressure in the fill hose.
- Disconnect the pump from the fill nipple on the gun.
- Replace the cap over the fill nipple and tighten. Always keep the fill nipple capped to eliminate the possibility of dirt entering the check valve.

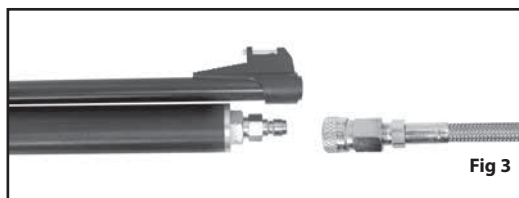


Fig 3

B. Pressurizing (Filling) the Airgun with a High Pressure Tank

Your airgun may be filled from a high pressure tank (bottle) like the Benjamin 90 cu in charging system cylinder (81001). Scuba tanks can also be utilized for the task. For scuba tanks use the Crosman FAH003 Scuba Yoke adapter.

- Make sure to wear eye protection.
- Make sure the airgun is unloaded. (See Section 6B for instructions on unloading)
- Read all instructions for your tank so you are familiar with its operation.
- Make sure the air rifle is "ON SAFE" and pointed in a SAFE DIRECTION.
- Pull off the protective cap that covers the fill nipple on the airgun.
- Connect the quick-disconnect fitting on the adaptor's hose to the fill nipple (Fig. 3).
- Slowly open the valve on your tank and start filling the gun SLOWLY. Filling too quickly will cause heat buildup that can affect accuracy of the fill pressure.
- Watch the gauges on the airgun and tank (if equipped) until the desired pressure is reached (1000-2000 psi).
- DO NOT fill the airgun to more than 2000 psi. See "Overfill" information in Section 4C.
- Turn the valve on your tank off when the desired fill pressure is reached.
- BLEED the fill hose COMPLETELY to avoid hose whip from pressure in the fill hose.
- Disconnect the tank's fill hose from the fill nipple on the airgun.
- Replace the cap over the fill nipple and tighten. Always keep the fill nipple capped to eliminate the possibility of dirt entering the check valve.

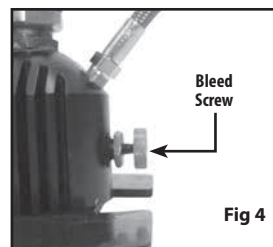


Fig 4

TIP: If your airgun is being filled from completely empty (zero pressure) the tension of the hammer pressing against the valve may keep the valve open which will cause air to leak down the barrel. Always make certain the airgun is not loaded and there is not a pellet in the chamber when filling your air rifle.

C. Overfill

- Over filling beyond the maximum fill pressure does not improve performance. It will actually lessen performance and may cause the valve to lock. If you discover that the airgun has been over filled, try to dry fire the airgun (shoot with no pellet loaded) in a SAFE DIRECTION until pressure on your airgun drops to 2,000 psi or less.
- If the airgun will not discharge air with each shot, the valve may be completely pressure locked and will require service at an Authorized Service Station.

5. Depressurizing the Airgun

Your airgun, like most PCP airguns, is best stored with some pressure in the reservoir. This keeps the seals in the airgun forced against the sealing surfaces. In the event you want or need to depressurize (e.g. for service) follow the following steps:

A. Dry Fire Method

- Keep the air rifle pointed in a SAFE DIRECTION.
- Remove all the air from your air rifle by repeatedly dry-firing (with the air rifle pointed in a SAFE DIRECTION) until the pressure gauge on your airgun shows no pressure and air cannot be heard when the shot is fired.
- Put the air gun "ON SAFE".

B. Degassing Tool Method

PERFORMING THE FOLLOWING PROCEDURE WILL EXHAUST AIR FROM THE DEGASSING SCREW.

- Make sure air rifle is "ON SAFE" and pointed in a SAFE DIRECTION.
- Remove the magazine.
- Insert a 5/64" hex wrench (NOT included) into the degassing screw located in the stock.
- Loosen the degassing screw by rotating counter-clockwise for a maximum of 2 turns.

IMPORTANT: While degassing, do not completely unscrew and remove the degassing screw to avoid losing the steel ball and/or degassing screw that creates the seal to pressurize the reservoir.

- Watch pressure gauge and listen as the air is expelled past the degassing screw until no air is expelled.
- Tighten the degassing screw firmly.
- Dry-fire (no pellet) in a SAFE DIRECTION to make certain all pressure has been relieved from the airgun.
- Check the gauge to make certain all pressure has been relieved from the airgun.

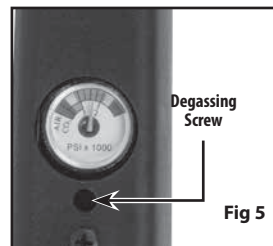


Fig 5

6. Loading and Unloading Pellets

A. Loading the Airgun

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.
- Put the airgun "ON SAFE." (See Section 3A) and point in a SAFE DIRECTION.
- Push the release buttons on both sides of the magazine and pull magazine down and out.

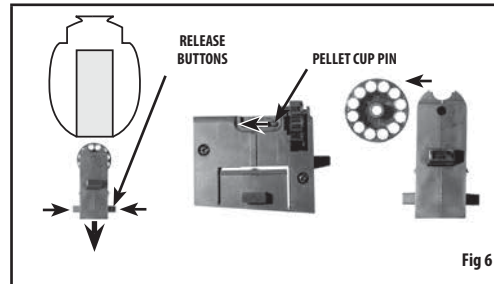


Fig 6

- Slide the pellet clip pin forward and remove the pellet clip from the side of the pellet magazine. (Fig. 6)
- Place a .177 caliber pellet; nose first, in each pellet chamber of the pellet clip (Fig. 7). To avoid jams or deforming pellets, ensure each pellet skirt is level or slightly below the rim of the pellet chamber.
- Replace the pellet clip in the pellet magazine. Slide the pellet clip pin rearward until it snaps into position and insert the pellet magazine into the bottom of the rifle.
- After following these steps and reading the entire manual, including the section on reviewing safety procedures, your air rifle is now loaded and ready to fire.

B. Unloading the Airgun

- Put the airgun "ON SAFE." (See Section 3A) and point in a SAFE DIRECTION.
- Remove the pellet magazine from the rifle by pushing together on the release buttons on both sides of the magazine and pulling downward.
- Slide the pellet clip pin forward and remove the pellet clip from the side of the pellet magazine. (Fig. 6)
- ALWAYS unload your gun before storing.

7. Aiming and Firing Safely

A. Aiming the Air Rifle

CAUTION:

- REMEMBER, choose your targets carefully and be sure that the area around the target is clear.
- THINK about what you will hit if you miss the target!
- Always point your air rifle in a SAFE DIRECTION.
- 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.
- See the instructions for charging (Section 4A) and loading (Section 6A).
- The air rifle is correctly aimed when the front sight blade is positioned exactly in the center of the notch of the rear sight. The top of the front sight blade should be even with the top of the notch in the rear sight. The bulls-eye should appear to rest on the top of the front sight. (Fig. 8)
- When you are sure of your target and backstop and the area around the target is clear, take the air rifle "OFF SAFE" (See section 3B) and pull the trigger to fire.

B. Sight Adjustment

- The rear sight may be adjusted to shoot higher or lower (elevation). Move the rear sight elevator back to make the pellet hit higher on the target. Move the rear sight elevator forward to make the pellet hit lower on the target. When moving the elevator, slightly lift the rear sight and reset it on the desired notch in the elevator. (Fig. 9)
- The rear sight may be adjusted to shoot right or left (windage). Loosen the windage adjustment screws by turning them counterclockwise. Move the sight to the right to make the pellet hit to the right on the target. Move the sight to the left to make the pellet hit to the left of the target. Then tighten the windage adjustment screws by turning them clockwise. (Fig. 10)

8. Removing A Jammed Pellet

WARNING: IN THIS PROCEDURE YOU WILL PUT A CLEANING ROD DOWN THE BARREL OF A CHARGED AIRGUN. IT IS EXTREMELY IMPORTANT THAT WHILE YOU ARE DOING THIS THE AIRGUN BE "ON SAFE", POINTED IN A SAFE DIRECTION, AND THAT YOUR FINGER BE KEPT AWAY FROM THE TRIGGER. FAILURE TO FOLLOW THIS WARNING MAY RESULT IN SERIOUS INJURY OR DEATH.

CAUTION: Never look down the muzzle end of the barrel to see if a jam has been cleared.

- Put the airgun "ON SAFE." (See Section 3A) and point in a SAFE DIRECTION.
- Press downward and forward on the barrel latch tabs (Fig. 11)
- Remove the pellet magazine. (See Section 6B)
- Remove the pellet clip and remove any jammed pellets from the pellet clip. (See Section 6B)
- Insert a rod (not included) in the barrel and push the jammed pellet into and out of the pellet magazine area of the rifle. Do not try to reuse any jammed pellets (Fig. 11)
- If you are not able to unjam your airgun by following the unloading procedure, take no further action. An Authorized Service Station will unjam your airgun at no cost during the warranty period.

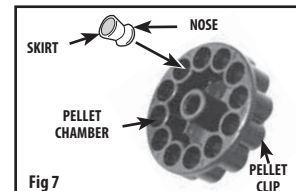


Fig 7

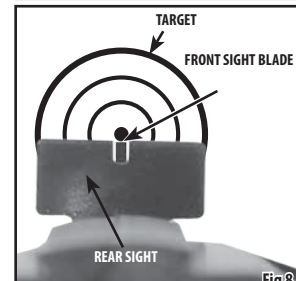


Fig 8

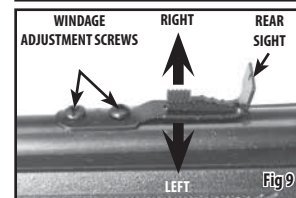


Fig 9

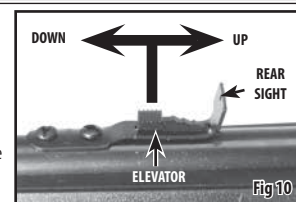


Fig 10

9. Maintaining Your Airgun

WARNING: EXPLOSION DANGER. DO NOT INTRODUCE PETROLEUM-BASED LUBRICANTS INTO THE HIGH PRESSURE RESERVOIR, OR IT MAY CAUSE AN EXPLOSION. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN SERIOUS INJURY OR DEATH.

WARNING: DO NOT ATTEMPT TO REPAIR THE AIRGUN OR TO DISASSEMBLE TO CORRECT AN OVER FILL OR VALVE LOCK. PARTS CAN FLY FROM THE AIRGUN AT DANGEROUS SPEEDS WHEN IT IS DISASSEMBLED WHILE PRESSURIZED.

- 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.
- If you drop your airgun, visually 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 Crosman customer service for assistance before using your airgun again.

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® and BENJAMIN® branded ammunition. Use of other ammunition may cause the gun to malfunction.

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. You should retain the original sales receipt as record of date of purchase. If no receipt, the product is warranted for one year from date of manufacture.

WHAT IS COVERED:

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

WHAT IS NOT COVERED:

- Transportation charges to Authorized Service Station for defective product.
- Damages caused by abuse, modification or failure to perform normal maintenance – see Owner's Manual.
- Any other expense.
- CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, OR INCIDENTAL EXPENSES INCLUDING DAMAGE TO PROPERTY. SOME LOCAL, STATE OR FEDERAL LAWS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

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 have other rights, which vary, from state to state.

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 www.crosman.com.

WARRANTY CLAIM AND REPAIR SERVICE

If your air gun needs repair – DO NOT ATTEMPT TO DISASSEMBLE IT! Your air gun 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 email us via www.crosman.com. You will be instructed where and how to send your air gun 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, email 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 email us via www.crosman.com.

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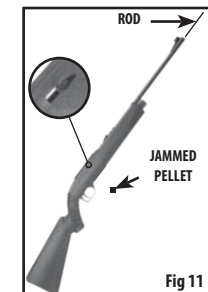


Fig 11