

# FORTITUDE .177 and .22 caliber Pre-Charged Pneumatic Airgun OWNER'S MANUAL

READ ALL INSTRUCTIONS AND WARNINGS IN THIS MANUAL BEFORE USING

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www.crosman.com  
1-800-7AIRGUN (724-7486)

BPF-515

**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 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.

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

**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.

**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.

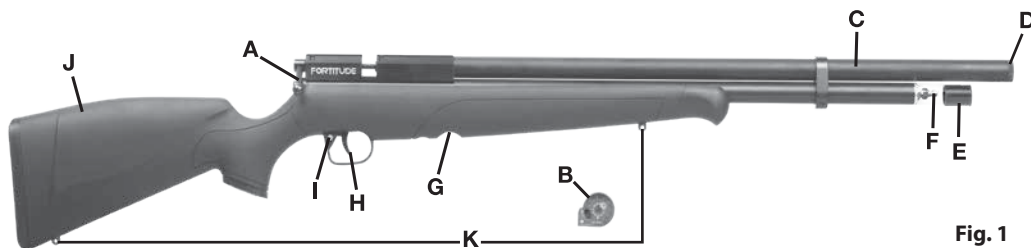
**CAUTION:** This airgun has been classified as an adult airgun, and is recommended for adult use only. Because it is considered to be a special-purpose airgun, it is exempt from specific types of trigger pull, safety mechanism and drop tests.

## 1. REVIEWING SAFETY

- ALWAYS treat the airgun as though it is loaded and ready to fire.
- ALWAYS treat the airgun with the same respect you would a firearm.
- ALWAYS store the airgun unloaded and away from children.
- ALWAYS remove the airgun's magazine and make sure there is no pellet/bullet in the airgun's chamber before storing.
- ALWAYS aim in a SAFE DIRECTION.
- ALWAYS keep the muzzle of the airgun 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 airgun "ON SAFE" until you are ready to shoot.
- ALWAYS check to see if the airgun is "ON SAFE" and unloaded when removing it from storage.
- ALWAYS check to see if the airgun is "ON SAFE" and unloaded when handling 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 proper size ammunition in your airgun. Check the markings on your airgun to verify the ammo size.
- NEVER point the airgun 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 airgun. Use an Authorized Service Station. Using an unauthorized service or repair center, or modifying the function of your airgun 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 and parts of your new airgun will help you understand your owner's manual.



- A. BOLT
- B. ROTARY MAGAZINE
- C. SHROUDED BARREL
- D. MUZZLE
- E. PROTECTIVE CAP FOR FILL NIPPLE
- F. FILL NIPPLE
- G. PRESSURE GAUGE
- H. TRIGGER
- I. SAFETY
- J. STOCK
- K. SLING MOUNTS

## 3. OPERATING THE SAFETY

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

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

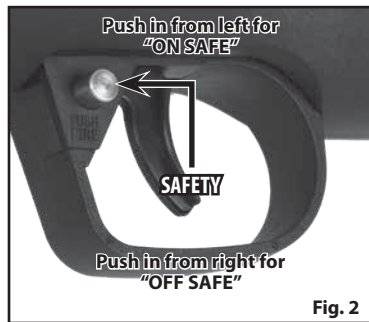
### A. To Put the Airgun "ON SAFE"

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

### B. To Take the Airgun "OFF SAFE"

- Push the safety from the right side in for "OFF SAFE" until you hear a distinct click.
- 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



## 4. PRESSURIZING/DEPRESSURIZING THE AIRGUN:

**WARNING:** EXPLOSION DANGER. USE ONLY COMPRESSED AIR OR N<sub>2</sub> IN THIS AIRGUN. USE OF OTHER GASSES, INCLUDING OXYGEN, CAN CAUSE A FIRE OR EXPLOSION MAY RESULT IN SERIOUS INJURY OR DEATH.

**WARNING:** DO NOT DISCONNECT THE FILL HOSE BEFORE FIRST BLEEDING THE AIR. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY CAUSE THE HOSE TO WHIP FROM PRESSURE BUILT UP IN THE FILL HOSE AND MAY RESULT IN SERIOUS INJURY OR DEATH.

**NOTE:** Use clean, dry, compressed air ONLY.

**NOTE:** Refer to the owner's manual provided with your filling equipment for Proper use of the filling equipment.

### A. Pressurizing the Airgun:

Your new airgun is unique because it operates on compressed air. This owner's manual describes operating the airgun with compressed air only.

- Be sure to wear eye protection.
- Make sure the airgun is "UNLOADED," "ON SAFE" and pointed in a SAFE DIRECTION.

**NOTE:** If filling the airgun from 0 psi, then it will be necessary to cock the airgun to remove the force of the Hammer against the firing Valve. Otherwise, the air will pass through the firing Valve and out the barrel, and the airgun will not pressurize.

- Pull off the protective cap that covers the fill nipple on the airgun.
- Attach the quick disconnect fitting from your filling equipment to the fill nipple on the airgun (See Fig. 3).
- Fill the airgun slowly to eliminate heat buildup and chance for overfilling. If the airgun is overfilled, past 3000 psi (207 bar), refer to section 5 for Depressurizing.
- Replace the Fill Nipple Cover in the reverse order of removal.

### B. Overfill

- Over filling beyond the "as tuned" best 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 (cock and shoot with no pellet loaded) in a SAFE DIRECTION until pressure on your airgun drops to 3,000 psi or less depending on where your gun's tuned best fill pressure is.
- If the airgun will not discharge air with each shot, the valve may be completely pressure locked and will require use of the degassing tool (Sold Separately at Crosman.com). Follow the instructions included with the degassing tool to fully or partially depressurize the airgun.

## 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

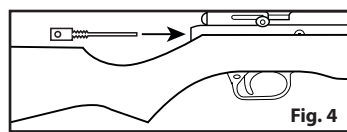
- Keep the airgun pointed in a SAFE DIRECTION.
- Remove all the air from your airgun by repeatedly cocking and dry-firing (with the airgun pointed in a SAFE DIRECTION) until the pressure gauge on your airgun shows no pressure and air cannot be heard when the shot is fired.
- Put the airgun "ON SAFE".

### B. Degassing Tool Method

**WARNING:** PERFORMING THE FOLLOWING PROCEDURE WILL EXHAUST AIR FROM THE BARREL AT A HIGH RATE AND COULD DISCHARGE A PELLET THAT IS CHAMBERED. ALWAYS MAKE CERTAIN THE AIRGUN IS POINTED IN A SAFE DIRECTION.

**CAUTION:** Before inserting the degassing tool make sure the airgun is NOT cocked. Failure to do so WILL cause damage to the sear mechanism in the trigger.

- Make sure the airgun is UNLOADED and NOT COCKED (see Section 7B for instructions on unloading and un-cocking).
- Make sure airgun is "ON SAFE" and pointed in a SAFE DIRECTION.
- Insert the degassing tool (Sold Separately at Crosman.com) into the threaded plug as shown in Figure 4.
- Turn the tool into the airgun in a clockwise direction until resistance is felt. This will indicate the nose of the tool has come in contact with the internal valve.
- Using an Allen wrench or screwdriver through the hole in the degassing tool apply leverage to turn the tool and force the internal valve open. This may require approximately 1-2 complete turns to totally degas the airgun.
- Remove the degassing tool completely from the airgun. Leaving the tool in the airgun will interfere with the normal operation of the firing mechanism.
- Cock the airgun and 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.



## 6. LOADING THE AIRGUN

**CAUTION:** The airgun was designed to function best with BENJAMIN® and CROSMAN® lead airgun pellets.

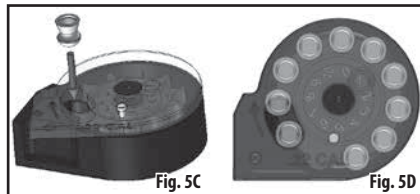
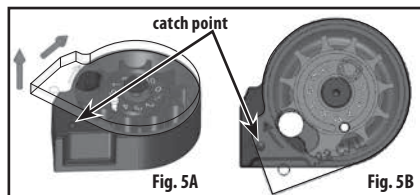
- Use of other ammunition may cause the gun to malfunction and could cause damage to the airgun.
- Never reuse ammunition.

- Review the entire manual, including the section on Safety, before firing your airgun.

**CAUTION:** Know your airgun's loading mechanism for safest use! Pellets can be loaded either by hand directly into the barrel breech, if desired, or by using the rotary magazine. With the magazine installed, EVERY action of closing the bolt WILL place a pellet into the chamber. Removal of the magazine WILL leave this chambered pellet in place unless the airgun has been fired.

### A. Loading the Magazine

- Make sure airgun is "ON SAFE" and pointed in a SAFE DIRECTION.
- If the magazine is in the airgun, remove it to begin loading of the magazine (see Section 7A "Unloading-Removing the magazine.")
- Lift the clear cover over the catch point and rotate in the direction of the arrows (clockwise) per Figure 5A. Turn until the cover appears as shown in Figure 5B.
- Place a finger under the magazine covering the hole, place the first pellet in the magazine, nose first (Fig. 5C). Make certain the pellet does not protrude out the back of the magazine. In the event the pellet does protrude simply push the pellet inward.
- Rotate the cover counter clockwise and place the remaining pellets into the magazine. Upon completion of filling the remaining positions rotate the cover until it comes to rest at the catch point as shown in figure 5D. The magazine is now ready for use.



### B. Inserting the Magazine

**NOTE:** Following these directions will result in your gun being loaded and ready to fire.

- Make sure airgun is "ON SAFE" and pointed in a SAFE DIRECTION.
- Pull the bolt back to the cocked position.
- With the cover of the magazine facing the butt of the airgun insert the magazine from the right side and push it inward until it snaps into place. (Fig. 6)
- Push the bolt forward fully and latch to chamber a pellet.
- 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.



## 7. UN-LOADING AND UN-COCKING

### A. Unloading-Removing the Magazine

- Every closure of the bolt will place a pellet into the chamber when the magazine is in place.
- To unload the airgun it is best practice to fire the pellet in a SAFE DIRECTION.
- Pull the bolt back to the rear position.

**CAUTION:** This action WILL cock the airgun.

- Push the magazine out of the receiver from the left side.
- Uncock the airgun for safe storage. Refer to section 7B, "Un-cocking," for instruction.

### B. Un-Cocking

In the event you are finished shooting, remove the magazine as instructed and un-cock the airgun by following the steps below:

- Point the airgun in a SAFE DIRECTION.
- Take the airgun "OFF SAFE".
- Pull the bolt back to the rear position.
- While firmly holding the bolt in the rear position, pull the trigger.
- Continue to hold the trigger back while sliding the bolt forward to the latched position.
- Release the trigger.
- Put the airgun on "ON SAFE".
- The airgun is now ready for storing.

**WARNING:** EVEN THOUGH 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.

## 8. AIMING AND FIRING SAFELY

**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!
  - Your airgun is designed to target shooting and is suited for both indoor and outdoor use.
  - Follow the instructions for loading pellets and cocking the airgun.
  - When you are sure of your target and backstop, and the area around the target is clear, take the airgun "OFF SAFE" and pull the trigger to fire.

## 9. 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, BOLT REMAINS IN THE OPEN POSITION AND THAT YOUR FINGER BE KEPT AWAY FROM THE TRIGGER. FAILURE TO FOLLOW THIS WARNING MAY RESULT IN SERIOUS INJURY OR DEATH.

A jammed pellet is usually the result of trying to fire the airgun when the pressure is too low. Before firing the airgun make certain there is sufficient pressure for proper operation, by making sure the gauge needle is pointing to the area between 2000 and 3,000 psi.

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

- Make sure the airgun is "ON SAFE" and pointed in a SAFE DIRECTION.
- Pull the bolt in the rearward position insert a cleaning rod of the proper size into the barrel (start at the muzzle). The barrel could be damaged if the proper sized cleaning rod is not used.

**NOTE:** The bolt must be cocked and open for the jammed pellet to clear the breech when it is pushed out by the ramrod.

- Push or tap pellet towards the breech end of the barrel until the pellet is extracted from the chamber. Take care not to damage the chamber sealing o-ring. Remove and discard the pellet. Do not reuse that pellet.
- Point the airgun in a SAFE DIRECTION, close the bolt, take "OFF SAFE" and fire.
- Put the airgun "ON SAFE".
- If you are not able to unjam your airgun by following this procedure, take no further action. Crosman Corporation or an Authorized Service Station will unjam your airgun (At no cost to you during the warranty period).

## 10. 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.

- Apply Crosman silicone chamber oil (part number RMCOIL) on the barrel o-ring every 3 months or 500 shots.
- 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.

### SPECIFICATIONS

Mechanism	Bolt action	Max fill pressure	3,000 psi
Capacity	10 shot Magazine	Velocity (Lead)	Up to 950 fps for .177/up to 800 fps for .22
Power Source	Compressed Air	Velocity (Alloy)	Up to 1100 fps for .177/up to 950fps for .22

**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.

## 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 airgun to malfunction.

## LIMITED FIVE YEAR WARRANTY

This product is warranted to be free of defects in materials and workmanship for 5 years. Buyer should retain the original sales receipt as record of date of purchase. If no receipt, the Product is warranted for 5 years 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:

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

## WHAT IS NOT COVERED:

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