Crosman PFM16

Crosman PFM16 CO2-Powered Full Metal BB Air Pistol

Instruction Manual

Introduction

This manual provides essential information for the safe and proper operation, maintenance, and care of your Crosman PFM16 CO2-Powered Full Metal BB Air Pistol. Please read this manual thoroughly before using the air pistol. Retain this manual for future reference.
The Crosman PFM16 is a compact, full-metal, semi-automatic CO2-powered BB air pistol designed for target practice and plinking.

Important Safety Information

WARNING: Not a toy. Misuse may cause serious injury or death. Read all instructions before use.

- Always treat the air pistol as if it were loaded.
- Keep the muzzle pointed in a safe direction at all times.
- Keep your finger off the trigger until you are ready to shoot.
- Be sure of your target and what is beyond it.
- Always wear safety glasses when shooting.
- Keep the air pistol unloaded and separated from ammunition when not in use.
- Store the air pistol and CO2 cartridges out of reach of children.
- Never shoot at hard surfaces or water, as BBs can ricochet.
- Do not modify the air pistol.
- CO2 cartridges can explode if heated above 120°F (49°C). Do not puncture or incinerate.

Legal Disclaimer: CO2 Cartridges not included, sold separately.

Package Contents

Upon unpacking, ensure all items are present:

- Crosman PFM16 CO2-Powered Full Metal BB Air Pistol
- Instruction Manual (this document)

Note: CO2 cartridges and 4.5mm steel BBs are sold separately and are required for operation.

Product Overview

The Crosman PFM16 is a robust air pistol designed for reliable performance. Key features include:

- **Compact Full Metal Design:** Ensures durability and a realistic feel.
- **Semi-Automatic Action:** Allows for rapid firing.
- **CO2-Powered:** Utilizes one 12-gram CO2 cartridge (not included) to deliver velocities up to 400 FPS.
- **20-Round Drop-Out Clip:** Easy loading and quick changes. Compatible with traditional steel 4.5mm BBs.
- **Fixed Sights:** Features a fixed blade front sight and a fixed notch rear sight for consistent aiming.



Image: Side view of the Crosman PFM16 CO2-Powered Full Metal BB Air Pistol, showcasing its full metal construction and compact design.

Setup and Loading

1. Loading the CO2 Cartridge

1. Ensure the air pistol is unloaded and the safety is engaged.
2. Locate the grip panel on the air pistol. The grip slides back to reveal the CO2 compartment.
3. Insert one 12-gram CO2 cartridge (sold separately) into the compartment with the narrow neck facing upwards.
4. Tighten the CO2 piercing screw until the cartridge is pierced and sealed. Do not overtighten.
5. Slide the grip panel back into its closed position.



Image: A box of Crosman 12-gram CO2 cartridges, essential for powering the air pistol.

2. Loading BBs into the Magazine

1. Press the magazine release button to remove the 20-round drop-out clip from the air pistol.
2. Pull down the spring follower on the side of the magazine until it locks into place.
3. Insert up to 20 4.5mm steel BBs (sold separately) into the loading port.
4. Release the spring follower carefully to secure the BBs.
5. Insert the loaded magazine back into the air pistol until it clicks into place.



Image: A container of Crosman Copperhead 4.5mm copper-coated BBs, suitable for use with the PFM16.

Your browser does not support the video tag.

Video: Official Crosman video demonstrating the features and loading process of the PFM16 CO2-Powered Full Metal BB Air Pistol. This video shows how to load the 20-round drop-out clip and insert it into the pistol.

Operating Instructions

1. Engaging and Disengaging Safety

- To engage the safety, push the safety switch to the "S" position (Safe). The air pistol will not fire.
- To disengage the safety, push the safety switch to the "F" position (Fire). The air pistol is now ready to fire.
- **Always engage the safety when the air pistol is not in immediate use.**

2. Firing the Air Pistol

1. Ensure the air pistol is loaded with a CO2 cartridge and BBs.
2. Point the air pistol in a safe direction towards an appropriate target.

3. Disengage the safety (move to "F" position).
4. Aim using the fixed front and rear sights.
5. Gently squeeze the trigger to fire. The air pistol will fire in semi-automatic mode until the magazine is empty or the CO2 cartridge is depleted.
6. After firing, engage the safety immediately.

Maintenance and Storage

1. Cleaning

- Regularly wipe down the exterior of the air pistol with a clean, dry cloth to remove dirt and debris.
- Apply a drop of Crosman Pellgunoil (or similar non-detergent oil) to the tip of each new CO2 cartridge before insertion to lubricate the seals.
- Do not use harsh chemicals or solvents, as they may damage the finish or internal components.

2. CO2 Cartridge Removal

- Always ensure the air pistol is unloaded and the safety is engaged before removing a CO2 cartridge.
- Slowly loosen the CO2 piercing screw to release any remaining pressure.
- Remove the depleted CO2 cartridge.
- Do not leave a pierced CO2 cartridge in the air pistol for extended periods (more than 24 hours) as it can damage the seals.

3. Storage

- Before storing, ensure the air pistol is unloaded, the CO2 cartridge is removed, and the safety is engaged.
- Store the air pistol in a cool, dry place, away from direct sunlight and extreme temperatures.
- Keep the air pistol and ammunition (BBs, CO2 cartridges) in separate, locked locations, out of reach of children and unauthorized users.

Troubleshooting

Problem	Possible Cause	Solution
Air pistol does not fire.	Safety engaged. No CO2 cartridge or empty cartridge. No BBs in magazine. CO2 cartridge not pierced correctly.	Disengage safety. Install a new 12-gram CO2 cartridge. Load BBs into the magazine. Ensure CO2 cartridge is fully pierced by tightening the screw.
Low velocity or weak shots.	Depleted CO2 cartridge. Low temperature. Leaking CO2.	Replace CO2 cartridge. Use in warmer conditions. Ensure CO2 cartridge is properly sealed; apply Pellgunoil to cartridge tip.
BBs not feeding.	Magazine empty. Incorrect BB size. Magazine not fully inserted.	Reload magazine. Use only 4.5mm steel BBs. Ensure magazine clicks into place.

Specifications

Feature	Detail
Model	PFM16
Brand	Crosman
Power Source	12-gram CO2 cartridge (not included)
Ammunition	4.5mm Steel BBs
Magazine Capacity	20 Rounds
Velocity	Up to 400 FPS
Sights	Fixed Blade Front, Fixed Notch Rear
Action	Semi-Automatic
Frame Material	Metal
Barrel Material	Alloy Steel
Product Dimensions	8"L x 2"W x 8"H
Item Weight	1.6 Pounds
Color	Silver
UPC	028478147775

Warranty and Support

Crosman Corporation stands behind its products. For specific warranty information and support, please refer to the official Crosman website or contact their customer service directly.
Manufacturer: Crosman Corporation
For further assistance or to view additional products, visit the official Crosman store:Crosman Store on Amazon

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