

Beeman 2027

Beeman 2027 .177 PCP Air Pistol User Manual

Model: 2027 | Brand: Beeman

1. INTRODUCTION

Welcome to the Beeman 2027 .177 PCP Air Pistol user manual. This document provides essential information for the safe and effective operation, maintenance, and care of your air pistol. Please read this manual thoroughly before using the product to ensure proper handling and to prevent injury or damage.

2. SAFETY INFORMATION

WARNING: Air guns are not toys. Mishandling can cause serious injury or death. Always treat an air gun as if it were loaded.

2.1 General Safety Rules

- Always point the air gun in a safe direction.
- Keep your finger off the trigger until you are ready to shoot.
- Keep the air gun unloaded until ready to use.
- Always wear appropriate eye protection when handling or shooting an air gun.
- Be aware of your target and what is beyond it.
- Store air guns and pellets separately and securely, out of reach of children.
- Never consume alcohol or drugs before or during air gun use.

2.2 Legal Disclaimer

YOU MUST BE 18 YEARS OR OLDER TO BUY ANY AIR GUN OR AIR RIFLE IN OUR STORE. We do NOT and can NOT ship airguns or bb guns to New York City and its boroughs (Manhattan, Brooklyn, Bronx, Queens, Staten Island, these zip codes are: 100xx-104xx, 110xx, 112xx-114xx, 116xx), the city of Philadelphia, PA and Washington DC. Residents of Chicago, IL cannot buy CO2 powered rifles, pistols or revolvers directly from us. Residents of New Jersey can buy bb guns through a designated local gun store

after acquiring an Airgun Permit.

3. PRODUCT OVERVIEW

3.1 Main Components

The Beeman 2027 .177 PCP Air Pistol features a robust design with a comfortable grip and integrated sights. Key components include the barrel, air cylinder with pressure gauge, breech, trigger, and safety mechanism.



Figure 1: Main view of the Beeman 2027 .177 PCP Air Pistol.

3.2 Included Accessories

Your Beeman 2027 .177 PCP Air Pistol comes with several accessories to enhance your shooting experience:

- Two (2) Single-Shot Trays
- Two (2) 12-Shot Rotary Magazines
- Three (3) Allen Wrenches (various sizes for adjustments)
- One (1) Air Connector (for filling the air cylinder)
- One (1) Degassing Tool
- One (1) Spare O-Ring



Figure 2: Included accessories for the Beeman 2027 Air Pistol.

4. SETUP

4.1 Initial Inspection

Before first use, carefully inspect your air pistol for any signs of damage or missing parts. Ensure all components are securely fastened.

4.2 Air Filling Procedure

The Beeman 2027 is a Pre-Charged Pneumatic (PCP) air pistol and requires an external air source (e.g., hand pump, scuba tank, or compressor) to fill its air cylinder. The maximum fill pressure is 3000 PSI.

1. Ensure the air pistol is unloaded and the safety is engaged.
2. Locate the fill port on the front of the air cylinder.
3. Attach the provided air connector to your air source hose.
4. Insert the air connector into the fill port.
5. Slowly fill the air cylinder to the recommended pressure (maximum 3000 PSI), monitoring the integrated pressure gauge.
6. Once filled, disconnect the air source and remove the air connector.



Figure 3: Air cylinder with pressure gauge and fill port.

4.3 Loading Pellets

The pistol can be loaded using either the 12-shot rotary magazines or the single-shot trays.

Using Rotary Magazines:

1. Pull back the bolt handle until it locks in the open position.
2. Insert a loaded 12-shot magazine into the breech. Ensure it clicks into place.
3. Push the bolt handle forward to chamber the first pellet.

Using Single-Shot Tray:

1. Pull back the bolt handle until it locks in the open position.
2. Insert a single-shot tray into the breech.
3. Place one .177 caliber pellet into the tray, ensuring it is seated correctly.
4. Push the bolt handle forward to chamber the pellet.

5. OPERATING INSTRUCTIONS

5.1 Firing the Pistol

1. Ensure the air pistol is loaded and the safety is engaged (refer to Figure 4 for safety location).
2. Aim at a safe target.
3. Disengage the safety by pushing it to the 'Fire' position.
4. Place your finger on the trigger and slowly squeeze to fire.
5. After firing, engage the safety immediately.



Figure 4: Trigger and safety mechanism.

5.2 Adjusting Power

The Beeman 2027 allows for power adjustments using an Allen wrench. Consult the specific instructions provided with your pistol for detailed steps on how to safely adjust the power output. Adjusting power will affect shot count and pellet velocity.

6. MAINTENANCE

6.1 Cleaning

Regular cleaning of the barrel and external surfaces is crucial for maintaining accuracy and longevity. Use a .177 caliber cleaning kit and follow standard air gun cleaning procedures. Avoid harsh chemicals that may damage the finish or internal components.

6.2 Lubrication

Periodically lubricate moving parts and O-rings with silicone oil specifically designed for air guns. This helps maintain seals and ensures smooth operation. Pay particular attention to the O-rings on the air connector and any moving parts in the breech area.

6.3 O-Ring Inspection

Inspect all O-rings for wear, cracks, or damage regularly. Damaged O-rings can lead to air leaks and reduced performance. Replace any worn O-rings with suitable replacements, such as the spare provided.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Beeman 2027 .177 PCP Air Pistol.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Air Leakage	Damaged O-rings, loose connections, improper fill probe insertion.	Inspect and replace O-rings. Ensure fill probe is fully inserted and connections are tight. Apply silicone oil to O-rings.
Misfires / No Pellet Fired	Empty magazine, improperly seated pellet, low air pressure, mechanical issue.	Check magazine for pellets. Ensure pellets are correctly seated. Verify air pressure. If issue persists, consult support.
Double Loading	Improper bolt operation, magazine indexing issue.	Ensure the bolt is fully cycled for each shot. Check magazine for proper function.
Inaccurate Shots	Dirty barrel, inconsistent pellets, loose sights, low air pressure.	Clean the barrel. Try different pellet brands/weights. Check and tighten sights. Ensure adequate air pressure.

8. SPECIFICATIONS

Feature	Detail
Brand	Beeman
Model Name	2027
Caliber	.177
Air Gun Power Type	PCP (Pre-Charged Pneumatic)
Rounds Capacity	12 (Rotary Magazine)
Barrel Material Type	Metal
Frame Material	Wood, Metal, Polymer
Product Dimensions (LxWxH)	1"L x 1"W x 1"H (Note: These dimensions appear to be placeholder values from the source data and may not reflect actual product size.)
Hand Orientation	Ambidextrous
UPC	026785020279

9. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the documentation included with your purchase or visit the official Beeman website. Keep your proof of purchase for any warranty claims. If you encounter issues not covered in this manual, please contact Beeman customer service for assistance.