

Beeman 1051

Beeman 1051 Air Rifle Instruction Manual

INTRODUCTION

This manual provides essential information for the safe and proper use of your Beeman 1051 Air Rifle. The Beeman 1051 is a .177 caliber air rifle featuring a break barrel action and an automatic safety. It is designed to achieve velocities up to 1000 feet per second. The rifle includes a 4x32mm airgun scope with a plex reticle and mounting rings. The overall length is 44.5 inches, and it weighs approximately 9 pounds, featuring a blued rifled barrel and a wooden stock.

Please read this manual thoroughly before operating the air rifle to ensure safety and optimal performance.

SAFETY INFORMATION

Always treat the air rifle as if it is loaded. Point the muzzle in a safe direction at all times. Keep your finger off the trigger until you are ready to shoot. Always be sure of your target and what is beyond it. Wear appropriate eye protection when handling or shooting the air rifle.

Proposition 65 Warning: This product can expose you to chemicals which are 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.

COMPONENTS OVERVIEW

The Beeman 1051 Air Rifle consists of several key components:

- **Barrel:** The blued rifled barrel, where the pellet exits.
- **Stock:** The wooden stock provides a grip and support for aiming.
- **Trigger:** The mechanism used to fire the air rifle.
- **Safety:** An automatic safety mechanism designed to prevent accidental discharge.
- **Scope:** A 4x32mm airgun scope for enhanced aiming, complete with mounting rings.



Figure 1: Beeman 1051 Air Rifle with mounted scope. This image shows the overall design including the wooden stock, blued barrel, and the included 4x32mm scope.

SETUP

1. Initial Inspection

Upon unpacking, inspect the air rifle for any visible damage. Ensure all components, including the scope and mounting rings, are present. It is normal for new air rifles to have a protective grease coating; wipe this off before use.

2. Scope Mounting

Attach the included 4x32mm scope using the provided mounting rings. Ensure the scope is securely fastened to the rifle's rail. Proper alignment is crucial for accuracy. Refer to the separate scope manual for detailed mounting and zeroing instructions.

3. Barrel Break-in

New air rifles, especially break barrel models, often require a break-in period. This typically involves firing approximately 100-200 shots. During this period, accuracy may improve as the internal components settle. The first few shots may be louder due to a phenomenon known as "dieseling," which is normal for new air rifles.

OPERATING INSTRUCTIONS

1. Loading the Air Rifle

1. Ensure the air rifle is pointed in a safe direction.
2. Grasp the barrel and firmly break it downwards until the spring mechanism engages and the automatic safety is set.
3. Insert a single .177 caliber pellet into the breech. Ensure the pellet is seated correctly.
4. Return the barrel to its original position, ensuring it locks securely. The automatic safety will remain engaged.

2. Firing the Air Rifle

1. With the air rifle loaded and the safety engaged, aim at your target.
2. When ready to fire, disengage the automatic safety.
3. Place your finger on the trigger and squeeze gently to fire.
4. After firing, the air rifle must be re-cocked and re-loaded for the next shot. The automatic safety will reset.

3. Pellet Selection

For optimal performance and accuracy, experiment with different brands and types of .177 caliber pellets.

Pellet weight and shape can significantly affect accuracy and velocity. The rifle is rated for velocities up to 1000 fps with appropriate pellets.

MAINTENANCE

1. Cleaning the Barrel

Regularly clean the barrel using pull-through patches until they come out clean. Avoid using harsh solvents that could damage the barrel's rifling or finish.

2. General Care

Wipe down all metal parts with a lightly oiled cloth to prevent rust. Inspect the wooden stock for any signs of wear or damage. Store the air rifle in a dry, secure location.

3. Stock Bolt Maintenance

Periodically check the stock bolts for tightness. It is recommended to check and tighten them every 20-30 rounds during the initial break-in period. For long-term stability, consider applying a small amount of blue thread locker (e.g., Loctite 242) to the stock bolts once the rifle is fully broken in and consistently accurate.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Inconsistent Accuracy	• Incorrect pellet choice • Loose scope mounts • Barrel droop (common in break barrels) • Rifle not fully broken in	• Experiment with different .177 pellets (e.g., H&N Baracuda Match, Field Target Trophy). • Ensure scope mounts are tightened, consider blue thread locker. • If significant barrel droop, consider a compensating scope mount. • Continue break-in period (100-200 shots).
Loud First Shots / "Dieseling"	Excess lubricant or residue in the compression chamber.	This is normal for new air rifles and typically subsides after the first few shots as the rifle breaks in.
Missing Scope Mounts	Packaging error or missing components.	Contact Beeman customer support or the retailer for assistance.

SPECIFICATIONS

- Model:** 1051
- Caliber:** .177
- Velocity:** Up to 1000 ft/sec
- Action:** Break Barrel
- Safety:** Automatic
- Included Scope:** 4x32mm Airgun Scope
- Overall Length:** 44.5 inches (113.03 cm)
- Item Weight:** 9.1 Pounds (4.13 kg)

Barrel Material: Metal (Blued Rifled)

Stock Material: Wood

Power Type: Gas-Piston

UPC: 026785010515

WARRANTY

The Beeman 1051 Air Rifle comes with a **one-year limited warranty**. This warranty covers manufacturing defects under normal use. For specific terms, conditions, and to make a warranty claim, please refer to the warranty card included with your product or contact Beeman customer support.

SUPPORT

For technical assistance, parts, or service inquiries regarding your Beeman 1051 Air Rifle, please contact Beeman customer support. Contact information can typically be found on the product packaging or the official Beeman website.