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> Crosman MK45 BB Air Pistol Instruction Manual

Crosman MK45

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Model: MK45

1. OVERVIEW

The Crosman MK45 is a CO2-powered, semi-automatic BB air pistol designed for recreational shooting. It features a durable construction with a dual-tone black and flat dark earth finish. The pistol is equipped with a Picatinny rail for attaching various accessories. This kit provides everything needed to start, including steel BBs and a target.



Image 1.1: The Crosman MK45 BB Air Pistol, showcasing its dual-tone design.

2. WHAT'S IN THE BOX

Verify that all items are present in the packaging:

- Crosman MK45 BB Air Pistol
- 250 Steel BBs
- Gel Sticky Target



Image 2.1: All components included in the Crosman MK45 BB Air Pistol kit.

3. SETUP

3.1. Unpacking

Carefully remove all components from the packaging. Inspect the air pistol for any visible damage before proceeding.

3.2. Loading BBs

1. Locate the magazine release button, typically near the trigger guard.
2. Press the magazine release button and remove the magazine from the pistol grip.
3. Pull down the spring follower on the magazine and load up to 250 steel BBs into the loading port. Ensure BBs are loaded correctly to prevent jamming.
4. Insert the loaded magazine firmly back into the pistol grip until it clicks into place.

3.3. Loading CO2 Cartridge

1. Locate the CO2 cartridge compartment, usually within the pistol grip or magazine.
2. Insert a new 12-gram CO2 cartridge into the compartment, narrow end first.

3. Tighten the piercing screw or cap until the cartridge is punctured and sealed. A small hiss indicates the cartridge is pierced. Avoid overtightening, as this can damage the seals.

3.4. Accessory Attachment

If using compatible accessories (e.g., laser, flashlight), attach them to the Picatinny rail located under the barrel of the pistol. Ensure accessories are securely fastened.

4. OPERATING INSTRUCTIONS

4.1. Safety Precautions

- **Always** point the air pistol in a safe direction.
- Keep your finger off the trigger until you are ready to fire.
- **Always** wear appropriate eye protection when handling or firing the air pistol.
- Ensure your target area is clear and safe, with an adequate backstop to prevent ricochets.
- Treat every air pistol as if it were loaded.

4.2. Firing the Pistol

1. With the pistol loaded with BBs and a CO2 cartridge, ensure the safety mechanism is disengaged (refer to the pistol's markings for 'safe' and 'fire' positions).
2. For the first shot, you may need to manually pull the slide back and release it to cock the pistol. Subsequent shots will automatically cock the pistol in semi-automatic mode.
3. Align the front and rear sights with your target.
4. When ready to fire, slowly and steadily pull the trigger.
5. After firing, engage the safety mechanism if you are not immediately taking another shot.

4.3. Reloading

When the magazine is empty, repeat the BB loading steps (Section 3.2). If shots become weak or inconsistent, the CO2 cartridge may be depleted and needs replacement (Section 3.3).



Image 4.1: The gel sticky target for practice shooting.

5. MAINTENANCE

5.1. Cleaning

- Regularly wipe down the exterior of the air pistol with a soft, dry cloth to remove dust and debris.
- Periodically clean the barrel to remove any residue. Use a cleaning rod with appropriate cleaning pellets or patches.

5.2. Lubrication

Apply a small amount of silicone oil to moving parts and seals as recommended by the manufacturer. This helps ensure smooth operation, prevents wear, and maintains the integrity of the seals. Do not use petroleum-based oils.

5.3. Storage

Always store the air pistol unloaded, uncocked, and with the safety engaged. Remove any CO2 cartridges before long-term storage. Store in a secure location, out of reach of children and unauthorized users.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pistol not firing	CO2 cartridge not properly installed or empty; magazine not inserted correctly; safety engaged.	Ensure CO2 cartridge is correctly installed and pierced. Check magazine insertion and BB loading. Disengage safety.
Low velocity or inconsistent shots	Depleted CO2 cartridge; damaged or dry seals; incorrect BBs.	Replace CO2 cartridge. Apply silicone oil to seals. Use only recommended steel BBs.
BBs jamming	Incorrect BB type or size; damaged magazine; debris in barrel.	Use only recommended steel BBs. Carefully clear any jammed BBs (ensure pistol is unloaded and safe). Inspect magazine for damage.
Hammer mechanism issues	Internal component wear or damage.	Discontinue use. Contact Crosman customer support for service or replacement parts.

7. SPECIFICATIONS

- **Brand:** Crosman
- **Model:** MK45
- **Color:** Black/Flat Dark Earth
- **Ammunition Type:** Steel BBs
- **Capacity:** 250 Rounds (BBs)
- **Power Source:** 12-gram CO2 Cartridges
- **Power Type:** CO2 Powered (also listed as Spring-Piston in some specifications)
- **Velocity:** Up to 200 fps
- **Frame Material:** Plastic
- **Product Dimensions:** 1"L x 1"W x 1"H
- **Item Weight:** 0.5 Pounds
- **Features:** Picatinny Rail
- **UPC:** 028478152267

8. WARRANTY AND SUPPORT

8.1. Warranty Information

The Crosman MK45 BB Air Pistol comes with a Limited 1 Year Warranty. For complete details regarding warranty coverage, terms, and conditions, please refer to the official warranty documentation included with your product or visit the official Crosman website.

8.2. Customer Support

For technical assistance, replacement parts, or any other inquiries, please contact Crosman customer service. You can find contact information and additional resources on the official Crosman website: www.crosman.com