

Makarov™ CO₂ BB Air Pistol

Ages
16+

OWNER'S OPERATION MANUAL



- .177 Caliber (4.5 mm)
- CO₂ Powered
- Shoots steel BBs only **S**
- Velocity 380 fps
- Danger Distance: 300 yards



WARNING: NOT A TOY. ADULT SUPERVISION REQUIRED. MISUSE OR CARELESS USE MAY CAUSE SERIOUS INJURY OR DEATH. MAY BE DANGEROUS UP TO 300 YARDS (274 METERS).

CAUTION: YOU AND OTHERS WITH YOU MUST WEAR SHOOTING GLASSES TO PROTECT YOUR EYES. IF YOU WEAR READING GLASSES, YOU MUST WEAR SAFETY GLASSES INTENDED FOR USE OVER NORMAL OPTICAL READING GLASSES.

READ THIS OWNER'S MANUAL COMPLETELY. This airgun is not a toy. Treat it with the same respect you would a firearm. Always carefully follow the safety instructions found in this owner's manual and keep this manual in a safe place for future use.

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CAUTION: FAILURE TO FOLLOW THE INSTRUCTIONS AND RECOMMENDATIONS IN THIS OWNER'S MANUAL MAY RESULT IN BODILY INJURY INCLUDING FACE, EYE, AND EAR INJURY, BLINDNESS, OR DEAFNESS.

2. Operating the Safety

CAUTION: ALWAYS POINT THE MUZZLE IN A SAFE DIRECTION. NEVER PLACE YOUR HAND IN FRONT OF THE MUZZLE.

2A. To Put the Makarov "ON SAFE"

- Locate the safety on the left side of the airgun above the grip.
- Push the safety upward (toward "F") (illustration 2a).

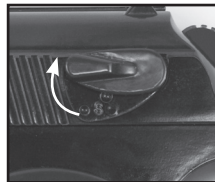


illustration 2a

2B. To Take the Makarov "OFF SAFE"

- Locate the safety on the left side of the airgun above the grip.
- Push the safety downward (toward "S") (illustration 2b).

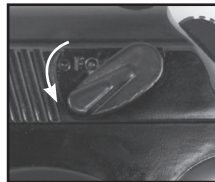


illustration 2b

CAUTION: LIKE ALL MECHANICAL DEVICES, AN AIR PISTOL SAFETY CAN FAIL. EVEN WHEN THE SAFETY IS "ON SAFE", YOU SHOULD CONTINUE TO HANDLE THE AIR PISTOL SAFELY. NEVER POINT THE AIR PISTOL AT ANYTHING YOU DO NOT INTEND TO SHOOT.

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WARNING: THIS AIR PISTOL CAN CAUSE SERIOUS INJURY OR DEATH. READ AND FOLLOW THE INSTRUCTIONS CAREFULLY. DO NOT LOAD A PROJECTILE INTO THE AIR PISTOL UNTIL YOU ARE READY TO SHOOT. IF YOU DO LOAD A PROJECTILE AND THEN DECIDE NOT TO SHOOT, REMOVE IT EITHER MANUALLY OR BY SHOOTING THE AIR PISTOL AT A SAFE TARGET. AN UNLOADED AIR PISTOL WHICH IS "ON SAFE" IS SAFEST. ACCIDENTS HAPPEN FAST, WOUNDING SOMEONE IS A TERRIBLE THING. PLEASE SHOOT SAFELY.

Air Pistols differ in their operation and you are never ready to fire any airgun until you are thoroughly familiar with it. Read the following operating instructions thoroughly prior to operating. These symbols, **!** **!**, mark warnings and cautions in this operation manual. Carefully follow them for your own safety and the safety of others.

Operating Procedures

1. Learning the Parts of Your Air Pistol
2. Operating the Safety
3. Installing and Removing CO₂ Capsules
4. Loading and Unloading Projectiles
5. Aiming and Firing Safety
6. Use and Handling of CO₂ Capsules
7. Maintenance, Cleaning, and Storage
8. Troubleshooting
9. Reviewing Safety
10. Repair / Service / Warranty

1. Learning the Parts of Your Air Pistol

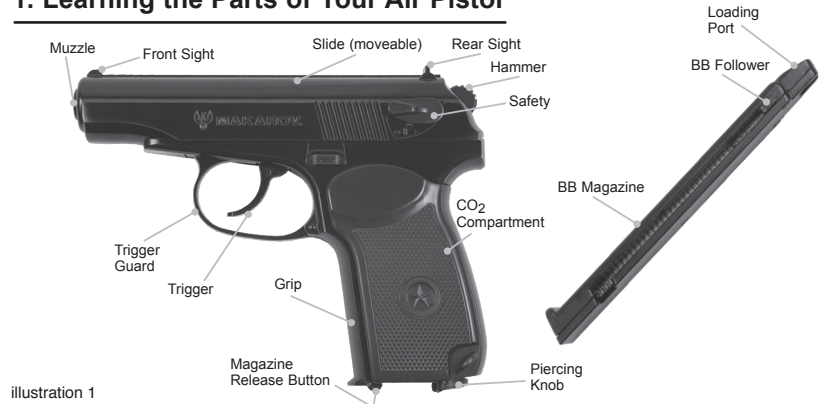


illustration 1

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3. Installing and Removing CO₂ Capsules

WARNING: USE ONLY 12G CO₂ CAPSULES. ANY ATTEMPT TO USE OTHER TYPES OF GAS CYLINDERS COULD BE EXTREMELY DANGEROUS AND COULD RESULT IN SERIOUS INJURY OR DEATH. GASES OTHER THAN CO₂ COULD RESULT IN AN EXPLOSION OR RUPTURE OF THE AIR PISTOL.

CAUTION: NEVER INSERT THE MAGAZINE UNTIL YOU HAVE VERIFIED THE AIR PISTOL WILL DISCHARGE CO₂ PROPERLY.

The Makarov air pistol is powered by one 12 gram CO₂ capsule. We recommend the use of Walther CO₂ capsules for a proper seal.

3A. Installing a New CO₂ Capsule

- Put the air pistol "ON SAFE" (see Step 2. Operating the Safety).
- Remove the magazine.
- Make sure a projectile is not loaded (see Step 4. Unloading Projectiles).
- If it contains CO₂ (see Step 3B. Removing CO₂ Capsules).
- Pull the pistol grip rearward exposing the CO₂ housing (illustration 3a).
- Before installing a 12g CO₂ capsule, place one drop of RWS Chamber lube on the top of the small end of the 12g CO₂ capsule.
- Insert the 12g CO₂ capsule, with the small neck of the capsule pointing upward into the grip, and turn the piercing knob clockwise until it pierces the CO₂ capsule. (illustration 3b)
- Push the pistol grip forward to close (illustration 3c).
- Make sure the capsule has been punctured. With the air pistol unloaded, pointed in a SAFE DIRECTION, take "OFF SAFE" (see Step 2B) and pull the trigger to fire. If it does not fire, tighten the piercing knob some more and repeat this step.



illustration 3a



illustration 3b



illustration 3c

NOTE: A SLIGHT SEEPAGE OF CO₂ GAS MAY OCCUR UNTIL PUNCTURE SCREW IS TIGHT.

NOTE: NEVER TRY TO FORCE ANY CO2 CAPSULE INTO OR OUT OF PLACE. DO NOT STORE YOUR AIR PISTOL WITH A CO2 CAPSULE IN IT. IF YOU KNOW YOU WILL NOT BE USING YOUR AIR PISTOL FOR AN EXTENDED PERIOD OF TIME, SAFELY EMPTY THE CO2 CAPSULE AND REMOVE IT FROM THE AIR PISTOL. THIS IS VERY IMPORTANT TO REMEMBER, AS IT WILL PROLONG THE LONGEVITY OF YOUR AIR PISTOL SEALS.

WARNING: KEEP HANDS AND FACE AWAY FROM ESCAPING CO2 GAS. IT CAN CAUSE FROSTBITE IF ALLOWED TO COME IN CONTACT WITH SKIN. ALWAYS MAKE SURE THE CO2 CAPSULE IS EMPTY BEFORE ATTEMPTING TO REMOVE IT FROM THE AIR PISTOL BY SLOWLY TURNING THE GAS CYLINDER PUNCTURE SCREW COUNTER-CLOCKWISE ALL THE WAY UNTIL YOU NO LONGER HEAR THE ESCAPE OF CO2 GAS.

3B. Removing a CO2 Capsule

- Put the air pistol "ON SAFE" (see Step 2. Operating the Safety).
- Remove the magazine.
- Make sure the airgun is unloaded (see Step 4. Unloading Projectiles).
- Point the airgun in a SAFE DIRECTION.
- Put the air pistol "OFF SAFE" (see Step 2. Operating the Safety).
- Fire the air pistol until it will not fire, indicating the CO2 capsule is empty.
- Put the air pistol "ON SAFE".
- Pull the pistol grip rearward exposing the CO2 capsule.
- Use one hand to hold the air pistol at the top of the slide. Be sure to keep the muzzle pointed in a safe direction.
- Slowly turn the piercing knob counterclockwise (down) until it stops turning; allowing any remaining CO2 gas to escape.
- Remove the empty CO2 capsule and discard.

4. Loading and Unloading Projectiles

4A. Loading Projectiles

- Put the air pistol "ON SAFE" (see Step 2. Operating the Safety).
- Always point the air pistol in a SAFE DIRECTION.
- Hold the air pistol upright.
- Remove the magazine by pressing the magazine release button forward (illustration 4a) and pulling the magazine from the bottom of the grip frame.



illustration 4a

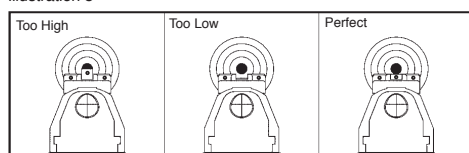
NOTE: ONLY USE FLAWLESS STEEL BBS: .177 CALIBER (4,5 MM). NOTE: WARRANTY EXPIRES IF NON-RECOMMENDED BBS ARE USED.

NOTE: MANY FACTORS AFFECT AIR PISTOL PERFORMANCE AND VELOCITY, INCLUDING BRAND OF PROJECTILE, TYPE OF PROJECTILE, LUBRICATION, BARREL CONDITION, AND TEMPERATURE.

5. Aiming and Firing Safely

- You and others with you should always wear shooting glasses to protect your eyes.
- Always aim your air pistol in a SAFE DIRECTION. When you are sure of your target and backstop, and the area around the target is clear then you are ready to fire.
- Take "OFF SAFE" (see Step 2) and squeeze the trigger with steady pressure until the air pistol fires.
- After all projectiles have been fired, repeat loading (see Step 4).
- Never aim at pets, water, or people.
- Do not shoot at hard surfaces or the surface of water. Projectiles may bounce off or ricochet and hit someone or something you had not intended to hit.
- Do not shoot at fragile surfaces such as glass or mirrors.
- Always choose your target carefully. Only targets which cannot be completely penetrated or which will not cause ricochets should be used.
- Your backstop should be checked for wear before and after each use. Replace your backstop if the surface is worn or damaged, or if a ricochet occurs.
- The air pistol is correctly aimed when the front sight blade is positioned exactly in the notch and even with the rear sight. The top of the front sight blade should be even with the top of the notch in the rear sight. The bulls-eye should appear to rest on the top of the front sight (illustration 5).

illustration 5



- Pull the BB follower down and lock it to the right. (illustration 4b).
- Load up to 16 (.177 caliber) steel BBs through the loading port (illustration 4c). We recommend RWS Match-Grade BBs.
- Gently release the follower.
- Insert the loaded magazine back into the bottom of the grip frame until it locks in place.

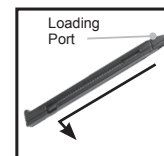


illustration 4b



illustration 4c

CAUTION: USE ONLY .177 CALIBER (4,5 MM) STEEL BBS. DO NOT ATTEMPT TO REUSE BBS THAT HAVE BEEN FIRED OR ARE DEFORMED. DO NOT USE BUCK SHOT, DARTS, BALL BEARINGS, OR OTHER FOREIGN OBJECTS BECAUSE THEY CAN CAUSE INJURY TO YOU OR SOMEONE ELSE OR MAY DAMAGE AND/OR JAM THE AIR PISTOL. USE OF ANYTHING OTHER THAN .177 CALIBER (4,5 MM) STEEL BBS WILL VOID THE WARRANTY.

4B. Unloading Projectiles from the Air Pistol

- Always point the air pistol in a SAFE DIRECTION.
- Make sure the air pistol is "ON SAFE" (see Step 2. Operating the Safety).
- Remove the magazine by pressing the magazine release button forward (illustration 4a) and pulling the magazine from the bottom of the grip frame.
- Point the air pistol in a SAFE DIRECTION.
- Put the air pistol "OFF SAFE" (see Step 2. Operating the Safety).
- Pull the trigger to fire until the air pistol no longer shoots projectiles.
- Put the air pistol "ON SAFE".

Note: The air pistol must be charged with CO2 when following these steps, but remember, do not store your air pistol with a CO2 capsule in it.

WARNING: NEVER ASSUME THAT BECAUSE THE AIR PISTOL NO LONGER FIRES A PROJECTILE AND/OR THE MAGAZINE IS REMOVED FROM THE GRIP FRAME THAT A PROJECTILE IS NOT LODGED IN THE BARREL. ALWAYS TREAT THE AIR PISTOL AS THOUGH IT IS LOADED AND WITH THE SAME RESPECT YOU WOULD A FIREARM.

IMPORTANT: FIRING THE AIR PISTOL WITH TOO LITTLE GAS PRESSURE LEFT MAY CAUSE A BB TO GET STUCK IN THE BARREL.

CAUTION: YOUR BACKSTOP SHOULD BE INSPECTED FOR WEAR BEFORE AND AFTER EACH USE. DISCONTINUE USE IF THE BACKSTOP SURFACE SHOWS SIGNS OF FAILURE. ALWAYS PLACE THE BACKSTOP IN A LOCATION THAT WILL BE SAFE SHOULD THE BACKSTOP FAIL. DISCONTINUE THE USE OF A BACKSTOP IF A PROJECTILE REBOUNDS OR RICOCHETS.

6. Use and Handling of CO2 Capsules

WARNING: CO2 CAPSULES MAY EXPLODE AT TEMPERATURES ABOVE 120° F. DO NOT MUTILATE OR INCINERATE THEM. DO NOT EXPOSE THEM TO HEAT OR STORE CO2 CAPSULES AT TEMPERATURES ABOVE 120°F.

Always follow warnings listed on propellant source for handling and storage.

It is possible that certain conditions may affect a CO2 capsule, which can impact its proper performance. These conditions include the usage, maintenance and storage at temperatures that are higher or lower than normal outdoors temperatures (59°F/15°C to 69.8°F/21°C). Another condition may be when the gun is fired rapidly.

1. High temperatures can increase pressure in the CO2 capsule and also within the gun, leading to higher than standard operating pressure. This excess pressure could cause the gun to malfunction or be permanently damaged. Maximum storage or operation temperature should never exceed 122°F (50°C). This temperature can be reached if you leave the gun under direct sunlight on a bright day. Thus, to ensure proper gun operation, do not expose it to high temperatures or direct sunlight for long periods of time. Otherwise, the CO2 capsule could overheat and explode, which could damage the airgun and cause injuries or death to people around it.
2. Fast consecutive shooting may produce a decrease of temperature in the gun, as well as the CO2 capsule. This could result in lower projectile velocities and may even lower gas pressure enough so that the pistol will not fire. This condition can be especially apparent when shooting in cold weather and can be avoided by allowing more time between shots. This permits the gas to increase in temperature and pressure and produce normal velocities.

- 3. During rapid fire, the muzzle velocity of each shot will diminish. This can affect shooting accuracy and you will get fewer shots per CO₂ capsule.
- 4. Care should be exercised to ensure that the airgun is not shot with a CO₂ capsule that is low in pressure. Here are some indicators of insufficient pressure:
 - A) The sound of the shot is not as loud as when the capsule is full.
 - B) The projectile hits the target, but in a lower position than it would with a full CO₂ capsule (that is, the shooting speed has dropped).

⚠ CAUTION: NEVER ATTEMPT TO REUSE A CO₂ CAPSULE FOR ANY PURPOSE.

7. Maintenance, Cleaning, and Storage

⚠ CAUTION: BEFORE ANY CARE, CLEANING, OR MAINTENANCE, ALWAYS BE SURE YOUR AIR PISTOL IS UNLOADED. KEEP IT POINTED IN A SAFE DIRECTION. IT IS IMPORTANT TO PERFORM ROUTINE INSPECTIONS AND MAINTAIN YOUR AIR PISTOL PROPERLY.

With care and routine inspections your air pistol will provide many sessions of shooting enjoyment. Abuse, neglect and continued exposure to the elements will impair the performance of any airgun. To ensure continued proper function, apply 2 to 3 drops of RWS Spring Cylinder oil onto all moving parts such as the BB follower, gas cylinder piercing screw and the trigger hinge (1000 shots).

⚠ CAUTION: OILS THAT CONTAIN ACID OR RESIN CAN DAMAGE THE SEALS AND POSSIBLY THE AIR PISTOL FINISH.

⚠ CAUTION: ALWAYS CHECK TO MAKE SURE THE AIR PISTOL IS UNLOADED WHEN GETTING FROM STORAGE OR FROM ANOTHER PERSON.

⚠ WARNING: AN AIR PISTOL THAT IS NOT OPERATING PROPERLY MAY BE DANGEROUS. IT SHOULD BE KEPT SAFELY FROM USE BY ANYONE UNTIL REPAIRED OR DESTROYED. DO NOT TRY TO TAKE THE AIR PISTOL APART. IT IS DIFFICULT TO REASSEMBLE AND IMPROPER DISASSEMBLY OR REASSEMBLY CAN CAUSE SERIOUS INJURY OR DEATH.

⚠ WARNING: DO NOT BRANDISH OR DISPLAY THIS AIR PISTOL 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.

⚠ CAUTION: THE COMPONENTS OF YOUR AIR PISTOL WERE ENGINEERED AND MANUFACTURED TO DELIVER OPTIMUM PERFORMANCE. ANY MODIFICATION OR TAMPERING WITH YOUR AIR PISTOL MAY CAUSE A MALFUNCTION, WILL VOID YOUR WARRANTY, AND MAY MAKE IT UNSAFE TO USE. ANY CHANGE IN PERFORMANCE (SUCH AS A LOWERED TRIGGER PULL FORCE AND SHORTENED TRIGGER TRAVEL), INDICATES POSSIBLE MODIFICATION, TAMPERING, AND/OR WEAR. SUCH AIR PISTOL SHOULD BE INSPECTED, REPLACED, OR PROPERLY REPAIRED BY ONLY QUALIFIED UMAREX USA PERSONNEL. ANY AIR PISTOL THAT HAS BEEN DROPPED SHOULD BE CHECKED BY QUALIFIED PERSONNEL TO ENSURE THAT ITS FUNCTION HAS NOT BEEN AFFECTED.

10. Repair / Service / Warranty

Do not return defective or damaged product to the dealer. If your airgun needs repair, call Umarex USA (479) 646-4210 and ask for the Service Department or visit www.umarexusa.com. DO NOT ATTEMPT TO DISASSEMBLE IT! Your airgun requires special tools and fixtures to repair it. Any disassembly or modification not performed by Umarex USA will void the warranty.

90 DAY LIMITED WARRANTY

Umarex air pistols are warranted to the retail consumer for 90 days from date of purchase against defects in material and workmanship and is not transferable.

WHAT IS COVERED: Replacement parts and labor.

WHAT IS NOT COVERED: Shipping charges to Umarex USA for defective product and damages

8. Trouble Shooting	Poor firing performance	Air Pistol does not function	Low velocity
CO ₂ capsule is empty	●	●	●
CO ₂ capsule is defective		●	
Extreme temperature	●		●
Incorrect projectiles	●	●	●

9. Reviewing Safety

- Never point the airgun at anything you do not intend to shoot.
- Always treat the airgun as though it is loaded and with the same respect you would a firearm.
- Always keep your finger off the trigger and out of the trigger guard until ready to shoot.
- Always aim in a SAFE DIRECTION. Always keep the muzzle of the airgun pointed in a SAFE DIRECTION.
- Never look down the barrel of an air pistol.
- 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 getting it from another person or from storage.
- Use only the proper size and type of projectile as it is marked on the airgun.
- Never reuse ammunition.
- Do not shoot at hard surfaces or at the surface of water. The projectile may bounce off or ricochet and hit someone or something you had not intended to hit.
- Do not shoot at fragile objects such as windows.
- Place the backstop in a location that will be safe should the backstop fail.
- Your backstop should be checked 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.
- Do not attempt to disassemble or tamper with your airgun. Unauthorized repairs or modifying the function of your airgun in any way may be unsafe and will void your warranty.
- Before you store your airgun, make sure it is unloaded, the CO₂ capsule is removed, and is "ON SAFE."

caused by abuse or failure to perform normal maintenance as well as any other expense. Consequential damages, or incidental expenses, including damage to property. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

WARRANTY CLAIMS: Warranty Claims and Repair for U.S. and Canadian customers only. Call Umarex USA (479) 646-4210 and ask for the Service Department. If it is determined a return is necessary, you will be issued a Return Authorization Number. Write this number boldly on the box and return the product prepaid to Umarex USA. Your name, address, phone number, and a note explaining the defect found must be included in the package. A copy of the original purchase receipt must accompany the return. Include a check made to Umarex USA in the amount of \$14.95 to cover shipping and handling.

IMPLIED WARRANTIES

Any implied warranties, including the implied warranties of merchantability and fitness for a particular purpose, are limited in duration to 90 days from date of retail purchase. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. TO THE EXTENT ANY PROVISION OF THIS WARRANTY IS PROHIBITED BY FEDERAL, STATE, OR MUNICIPAL LAW WHICH CANNOT BE PREEMPTED, 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.

⚠ ATTENTION: THIS IS A HIGH POWERED AIR PISTOL FOR USE BY PERSONS 16 YEARS OF AGE OR OLDER. READ ALL INSTRUCTIONS BEFORE USING. THE PURCHASER AND USER SHOULD CONFORM TO ALL LAWS GOVERNING THE USE AND OWNERSHIP OF AIR PISTOLS.

Makarov™ BB Pistol Specifications

System:	CO ₂	Action:	Double/Single
Caliber:	.177	Velocity:	380 feet per second
Projectiles:	Steel BBs	Safety:	Manual
Length:	6.25 in.	Magazine Capacity:	18 shots
Barrel Lgth:	3.75 in.	Danger Distance:	300 yards
Weight:	1.5 lbs.		

UMAREXUSA®

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