

UMAREX®

SA177™ BB REPEATER

OWNER'S OPERATION MANUAL

VELOCITY
380 fps



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.



- EN** ENGLISH 2
- F** FRENCH 13

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).

THIS IS A HIGH POWERED AIRGUN FOR USE BY THOSE 16 YEARS OF AGE OR OLDER. READ ALL INSTRUCTIONS BEFORE USING. THE PURCHASER AND USER SHOULD CONFORM TO ALL LAWS GOVERNING THE PURCHASE, USE, AND OWNERSHIP OF AIRGUNS.

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NOTE: Many factors affect airgun performance and velocity, including brand 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, take "OFF SAFE" (See **Step 2B**) and squeeze the trigger to fire.
- 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 bullseye should appear to rest on the top of the front sight (See **illustration 10**).

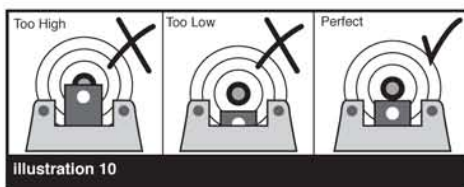


Illustration 10

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 the projectile rebounds or ricochets.

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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 AIRGUN AT A SAFE TARGET. AN UNLOADED AIR PISTOL WHICH IS "ON SAFE" IS SAFEST. ACCIDENTS HAPPEN FAST, PLEASE HANDLE THE AIRGUN SAFELY.

Airguns differ in their operation and you are never ready to fire any gun 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.

CAUTION: You and others with you should always wear shooting glasses to protect your eyes. Read all instructions before using.

CAUTION: Eye Protection Required.



Operating Procedures

- | | |
|---|---|
| 1. Learning the Parts of Your Airgun | 6. Use and Handling of CO ₂ Capsules |
| 2. Operating the Safety | 7. Maintaining Your Airgun |
| 3. Removing and Installing CO ₂ Capsules | 8. Trouble Shooting |
| 4. Loading and Unloading BBs | 9. Reviewing Safety |
| 5. Aiming and Firing Safely | 10. Repair/Service/Warranty |

1. Learning the Parts of Your Airgun



Illustration 1

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6. Use and Handling of CO₂ Capsules

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.

- 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.
- 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.
- 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.
- Care should be exercised to insure that the gun is not shot with a CO₂ capsule that is low in pressure. Here are some indicators of insufficient pressure:
 - The sound of the shot is not as loud as when the capsule is full.
 - 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).

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.

CAUTION: Never attempt to reuse a CO₂ capsule for any purpose.

CAUTION: Always check to make sure the air pistol is unloaded when getting from storage or from another person.

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2. Operating the Safety

WARNING: BE SURE THE AIRGUN IS ALWAYS POINTED IN A SAFE DIRECTION. NEVER POINT THE AIRGUN AT ANY PET OR PERSON EVEN IF IT IS UNLOADED. ALWAYS ASSUME AND HANDLE THE AIRGUN AS IF IT WERE LOADED AND READY TO FIRE.

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.

CAUTION: Always point the muzzle in a safe direction. Never place your hand in front of the muzzle.

- 2A. To Put the Umarex SA177™ "ON SAFE"**
- Locate the safety on the right side of the airgun above the trigger.
 - Push in and forward (toward "S") (illustration 2A).



Illustration 2A

- 2B. To Take the Umarex SA177™ "OFF SAFE"**
- Locate the safety on the right side of the airgun above the trigger.
 - Push in and rearward (toward "F") (illustration 2B).

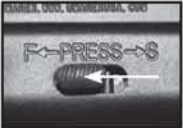


Illustration 2B

CAUTION: Like all mechanical devices, an airgun 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.

7. Maintaining Your Airgun

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 capsule piercing knob and the trigger hinge (1000 shots).

CAUTION: Before any care, cleaning or maintenance, always be sure your air pistol is unloaded. Keep pointed in a safe direction. It is important to perform routine inspections and maintain your air pistol properly.

CAUTION: Oils that contain acid or resin can damage the seals and possibly the air pistol finish.

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 AIRGUN APART. IT IS DIFFICULT TO REASSEMBLE AND IMPROPER DISASSEMBLY OR REASSEMBLY CAN CAUSE SERIOUS INJURY OR DEATH.

8. Trouble Shooting	Poor firing performance	Air Pistol does not function	Low velocity
CO2 capsule is empty	●	●	●
CO2 capsule is defective		●	
Extreme temperature	●		●
Incorrect projectiles	●	●	●

WARNING: USE ONLY 12g CO2 CAPSULES. ANY ATTEMPT TO USE OTHER TYPES OF GAS CAPSULES 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 AIRGUN.

3. Removing and Installing CO2 Capsule

CAUTION: Never insert the magazine until you have verified the air pistol will discharge CO2 properly.

- 3A. Installing a New CO2 Capsule**
- Put the air pistol "ON SAFE" (See Step 2A).
 - Remove the BB magazine.
 - Push the backstrap release button (illustration 3).
 - Turn the piercing knob on the bottom of the grip counterclockwise (illustration 4).
 - Before installing a CO2 capsule, place one drop of RWS Chamber lube on the top of the small end of the 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 5 & 6).
 - Push the backstrap release button in and close the backstrap (illustration 3).
 - Aim the air pistol in a SAFE DIRECTION
 - Take "OFF SAFE" (See Step 2B)
 - Make sure the gun is pointed in a safe direction. Pull the trigger to fire the pistol.
 - If the air pistol does not make a popping noise after pulling the trigger, the CO2 is not being discharged. In that event put the air pistol "ON SAFE" (See Step 2A). Remove the BB magazine. Turn the piercing knob on the bottom of the grip until you hear the capsule pierce. Replace the BB magazine.



Illustration 3



Illustration 4



Illustration 5



Illustration 6

NOTE: A slight seepage of CO2 may occur until piercing knob 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, empty the CO2 capsule and remove it from the air pistol. (See Step 3B). This is very important to remember, as it will prolong the longevity of your air pistol seals.

9. Reviewing Safety

- Always aim in a SAFE DIRECTION. Always keep the muzzle of the airgun pointed in a SAFE DIRECTION.
- Always keep your finger off the trigger and out of the trigger guard until ready to shoot.
- 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.
- 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 BB 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."
- Always store your airgun in a secure location away from unauthorized users and separate from ammunition.

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.

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.

3B. Removing a CO2 Capsule

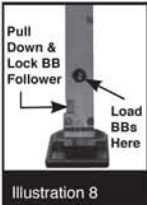
- Put the air pistol "ON SAFE." (See Step 2A)
- Remove the BB magazine from the air pistol (see Step 4A)
- Turn the piercing knob on the bottom of the grip counterclockwise, until you hear gas start to escape, being careful not to come in contact with the escaping gas. Allow all the gas to escape.
- Continue turning the knob counterclockwise
- Push the backstrap release button (illustration 3).
- Remove the CO2 capsule

**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 CAPSULE PUNCTURE SCREW COUNTER-CLOCKWISE ALL THE WAY UNTIL YOU NO LONGER HEAR THE ESCAPE OF CO2 GAS.

4. Loading and Unloading BBs

4A. Loading BBs

- Put the airgun "ON SAFE" (See Step 2A)
- Point the airgun in a SAFE DIRECTION
- Remove the magazine by pressing down on the magazine release button (illustration 7)
- Locate the BB follower (illustration 8) on the side of the magazine. Pull the BB follower down and push into the slot at the bottom until it locks in place.
- Insert up to 16 BBs into the lower hole on the back of the magazine (illustration 8).
- Gently release the follower
- Insert the loaded magazine into the air pistol
- Your gun is now loaded and ready to fire only after reading the entire manual, including section 7 on reviewing safety.



**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.

**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.

4B. Unloading BBs

- Put the airgun "ON SAFE" (See Step 2A)
- Point the airgun in a SAFE DIRECTION
- Remove the magazine by pressing down on the magazine release lever.
- With magazine pointed away from your face, push in on the BB release button on the magazine until all the BBs are ejected. (illustration 9)
- Aim the air pistol in a SAFE DIRECTION, take it "OFF SAFE" (See Step 2B) and fire
- Repeat this procedure several times until you are sure you are no longer firing BBs



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 (See Step 3A).

NOTE: Only use flawless steel BBs: .177 caliber (4,5 mm). **NOTE:** Warranty expires if non-recommended BBs are used.

4C. Removing a Jammed BB

- IMPORTANT:** Firing the air pistol with too little gas pressure left may cause a BB to get stuck in the barrel.
- Make sure the air pistol is "ON SAFE" (See Step 2A).
 - Remove the magazine by pressing down on the magazine release button.
 - Unload all of the BBs (See Step 4B).
 - Remove the CO2 capsule (See Step 3B).
 - Insert a .177 caliber ramrod into the muzzle end of the barrel and carefully push the jammed BB into the breech. The barrel could be damaged and the warranty will be void if the proper sized ramrod is not used.
 - Hold the air pistol upright and shake until the jammed BB falls out.
 - If you are not able to unjam your air pistol by following this procedure, take no further action. Call Umarex USA (479)-646-4210 and ask for the service department.



CAUTION: The slide blows back, meaning it shifts rearward. Keep hands and fingers away from pinch points.

**CAUTION:** The components of this airgun were engineered and manufactured to deliver optimum performance. Any modification or tampering with an air pistol may cause a malfunction, 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.

90 DAY LIMITED WARRANTY

This product is 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 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.**

UMAREX SA177™ (BB Repeater) Specifications

Action	BB Repeater	Sights	Fixed Fiber Optic
Power Source	CO2	Overall Length	7.25" (18.42 cm)
Caliber / Ammunition	.177 Cal. (4.5 mm) Steel BB	Barrel Length	4.1" (10.41 cm)
Capacity	16 BBs	Barrel	Smooth Bore
Weight	2.2 lbs. (1 kg)	Safety	Manual
		Velocity	380 fps
		Danger Distance	300 Yards

Accessories

Walther 12 gram CO2 Capsules (12 pack)
Be sure to use quality Walther CO2 capsules in your CP99 Compact Recon Air Pistol. They're made to exacting standards to prevent unwanted CO2 leaks.
Item: 2252533



- RWS Match-Grade Precision Steel BBs**
- Premium quality golden steel BBs
 - Manufactured to exacting standards
 - Smooth spherical surface
 - Maximum velocity
 - Increased impact
 - Zinc plated
- Item: 2252538

Umarex Universal Speedloader
The Umarex Universal Speedloader is the latest and greatest tool for CO2 BB pistols. Load BB magazines with speed and ease. Included adapters make this speedloader usable with Walther's CP99 Compact and PPK/S, the Beretta Elite II, S&W M&P and any other CO2 BB pistol with magazine loading ports similar to that of Umarex BB pistols.
Item: 2252502

