

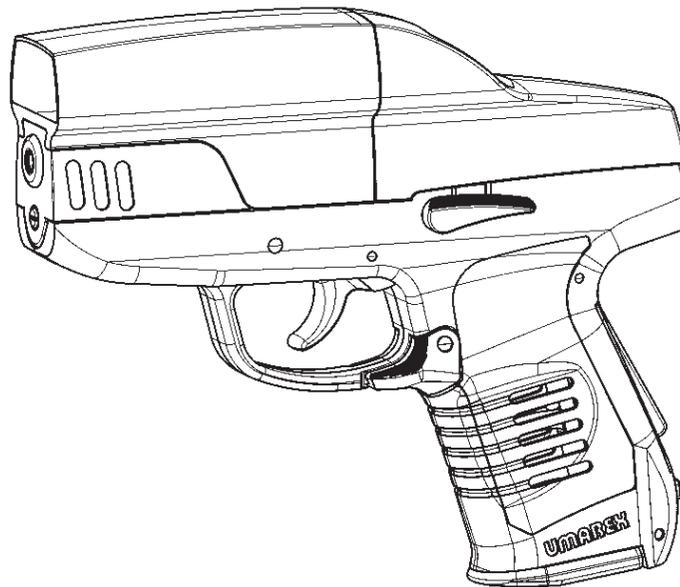
Owner's Manual

UMAREX®

REDSTORM

CO₂ Air Pistol

.177 cal. (4.5 mm) Pellet



Patent Pending

U-RHKB-515

⚠ WARNING: Not a toy. Adult supervision required. Misuse or careless use may cause serious injury or death. May be dangerous up to 350 yards (320 meters).

YOU AND OTHERS WITH YOU SHOULD ALWAYS WEAR SHOOTING GLASSES TO PROTECT YOUR EYES. READ ALL INSTRUCTIONS BEFORE USING.
BUYER AND USER HAVE THE DUTY TO OBEY ALL LAWS ABOUT THE USE AND OWNERSHIP OF THIS AIRGUN.

THIS AIRGUN IS INTENDED FOR USE BY THOSE 16 YEARS OF AGE OR OLDER.

⚠ WARNING: Lead pellets. Do not inhale dust or put pellets in mouth. Wash hands after handling. This product contains lead, a chemical known to the State of California to cause cancer and birth defects (or other reproductive harm.)

Please read this owner's manual completely. And remember, this air pistol 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.

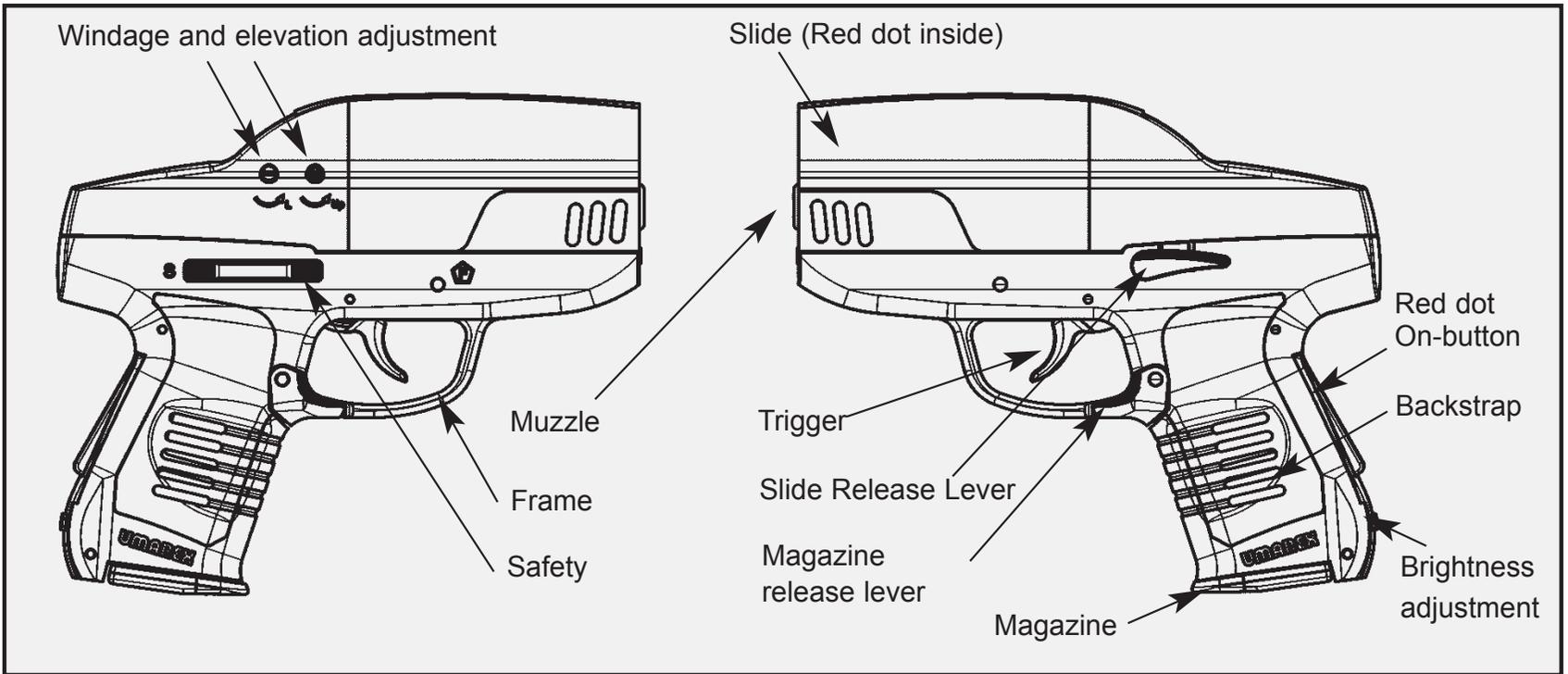
If you have any questions, regarding your new air pistol, please contact Crosman Customer Service at 1-800-724-7486, 585-657-6161 or www.crosman.com.

OPERATING PROCEDURES

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1. Learning the Parts of Your New CO2 Air Pistol

Learning the names of the parts of your new air pistol will help you to understand your owner's manual. Use this manual to increase your enjoyment of this air pistol.



2. Operating the Safety

⚠ WARNING: Keep the air pistol in the "ON SAFE" position until you are actually ready to shoot. Then push the safety to the "OFF SAFE" position.

2.1 To Put The Air Pistol "ON SAFE:"

Locate the safety on the right hand side of the receiver.

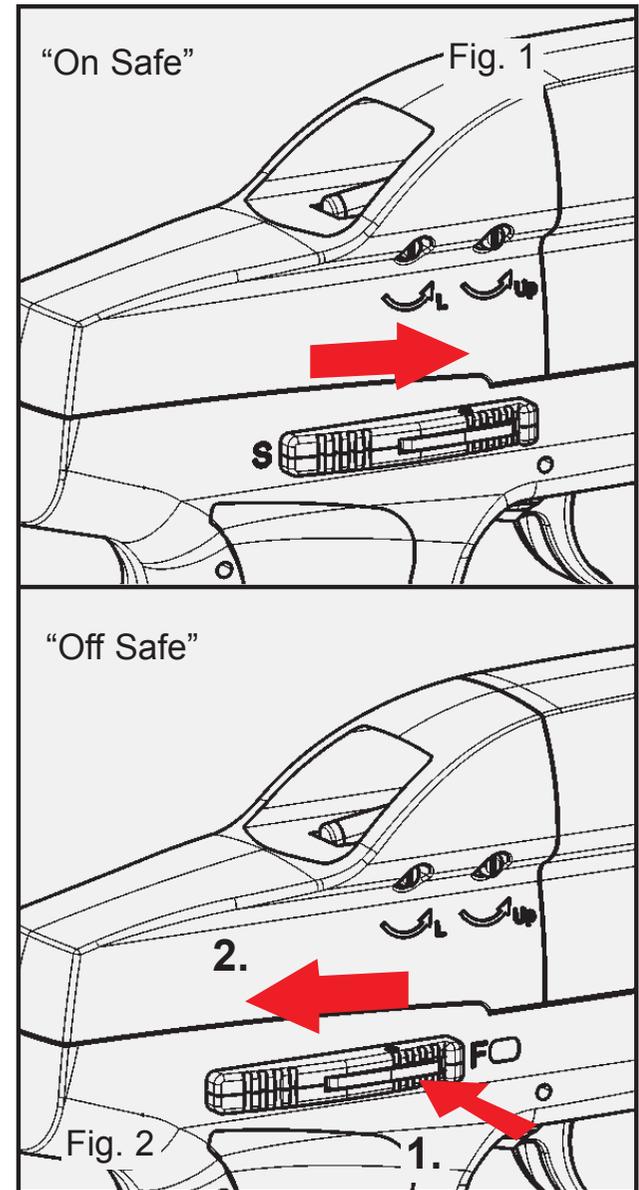
- Push the safety forward, toward the muzzle end of the air pistol (Fig. 1). The safety is not "On Safe" unless it is pushed forward all the way and the RED dot and the "F" on the receiver are NOT showing.

Like all mechanical devices, an air pistol safety can fail. Even when the safety is on "On Safe", you should continue to handle the air pistol safely. NEVER point the air pistol at any person. NEVER point the air pistol at anything you do not intend to shoot.

2.2 To Take The Air Pistol "OFF SAFE":

- Locate the latch on the safety (Fig. 2)
- Push in the latch on the safety (1.) and slide the safety rearward (2.) toward the rear sight.

When you can see the RED dot and the "F" on the receiver, the air pistol is "Off Safe" and can be fired.



3. Insertion and Removal of CO₂ Cylinders

⚠ WARNING: CO₂ cylinders may explode at temperatures above 120° F (48.9° C). Do not mutilate or incinerate them. Do not expose them to heat or store CO₂ cylinders at temperatures above 120°F (48.9°C).

⚠ WARNING: Keep hands away from escaping CO₂ gas. It can cause frostbite if allowed to come in contact with skin.

3.1 Inserting the CO₂ Cylinder

- Make sure the air pistol is "On Safe" (See 2.1).
- Make sure the air pistol is unloaded (See 4.2).
- Point the air pistol in a SAFE DIRECTION.
- Press the magazine release lever and slide the magazine out of the bottom of the grip (Fig. 3).
- Turn the magazine shoe clockwise towards "OPEN" (Fig. 4).
- If a CO₂ cylinder is already installed, See 3.2 - Removing the CO₂ Cylinder.
- Insert the CO₂ cylinder with the small neck of the cylinder pointing upward toward the top of the magazine. (Fig. 5).
- Tighten the cylinder into place by turning brass retaining screw as shown in Figure 6 (up) until secure and close the magazine shoe by turning it towards "POWER" until it reaches the position shown in Figure 6.
- Insert the magazine up into the bottom of the grip until it locks into place (Fig. 7).
- With the air pistol unloaded (See 4.2) and pointed in a SAFE DIRECTION, take "Off Safe" (See 2.2) and pull the trigger to fire. **If your air pistol does not make a popping noise after pulling the trigger, the CO₂ is not being discharged.** Return the safety to the "ON SAFE" position (see 2.1). Repeat above steps until you hear the popping noise.

3.2 Removing the CO₂ Cylinder

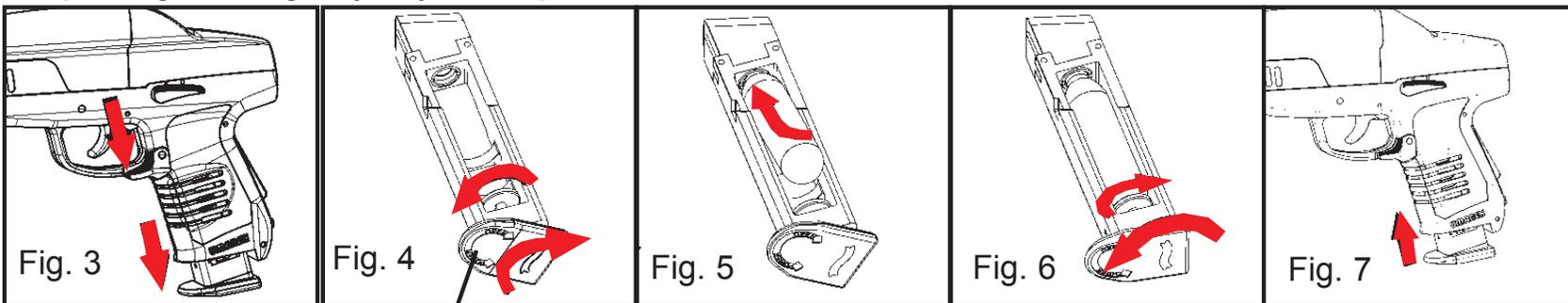
⚠ WARNING: Keep hands away from escaping CO₂ gas. It can cause frostbite if allowed to contact with skin. Always make sure that the CO₂ cartridge is empty before attempting to remove it from the air gun.

- Make sure the air pistol is "On Safe" (See 2.1).
- Make sure the air pistol is unloaded (See 4.2).
- Point the air pistol in a SAFE DIRECTION.
- Press the magazine release lever and slide the magazine out of the bottom of the grip (See Fig. 3).
- Turn the magazine shoe towards "OPEN" (See Fig. 4) allowing CO₂ to escape.
- **Slowly** turn the brass cylinder retaining screw (down) to tighten; allowing any remaining CO₂ gas to escape (See Fig. 4).
- Remove the CO₂ cylinder by turning the magazine over and allowing cylinder to fall out.

NOTE: High temperatures may cause damage to the air pistol. The maximum temperature for the storage or use of this air pistol should not exceed 120°F (48.9°C). This temperature can easily be reached when the air pistol is exposed to direct sunlight.

FIRING THE AIR PISTOL WITH LOW GAS PRESSURE MAY CAUSE A PELLET TO GET STUCK IN THE BARREL.

Never try to force any CO₂ cylinder into or out of place as it may result in injury to you or damage to your air pistol. Do not store your air pistol with a CO₂ cylinder in it. This is very important to remember, as it will prolong the longevity of your air pistol seals.



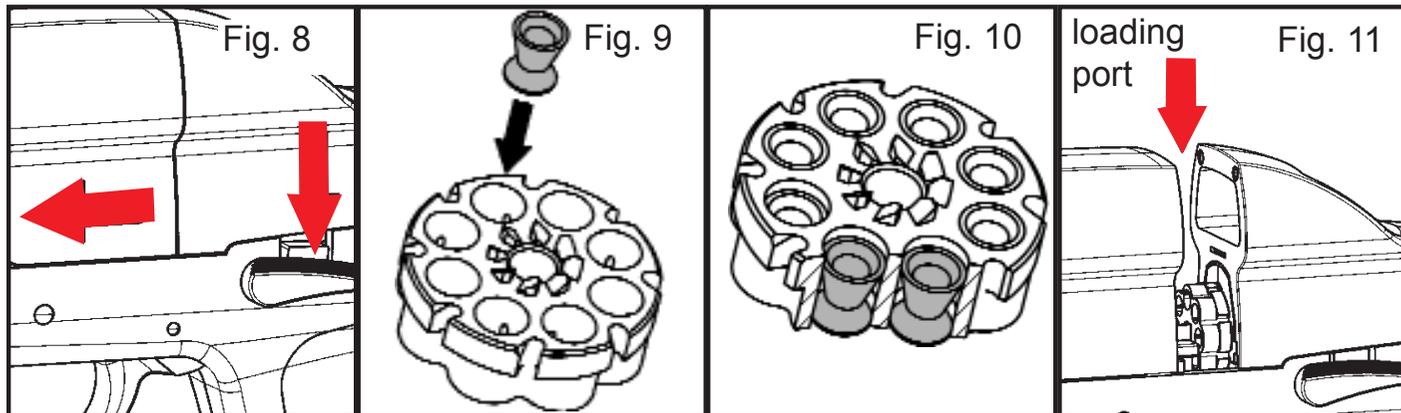
magazine shoe

4. Loading and Unloading Pellets

⚠ WARNING: Use .177 (4.5mm) caliber pellets only in this air pistol. Never reuse pellets. Use of any other ammunition can cause injury to you or damage to the air pistol.

4.1 Loading Pellets

- Make sure the air pistol is "On Safe" (See 2.1).
- Point the air pistol in a SAFE DIRECTION.
- While keeping the air pistol in a horizontal position (to keep the pellet clip from falling out), open the slide by pressing the slide release lever down until the slide opens and exposes the breech (**Fig. 8**). Remove the pellet clip.
- Place a .177 caliber (4.5 mm) pellet, nose first, in each pellet chamber of the pellet clip. (**Fig. 9**).
IMPORTANT: To avoid jams or deforming the pellets, make sure the pellet skirt is level or slightly below the rim of the pellet chamber.
- Place the pellet clip in the breech (ratchet teeth facing the rear sight) (**Fig. 11**), keeping the air pistol in the horizontal position.



⚠ WARNING: Do not place your hand or fingers over the muzzle. Do not put your finger on the trigger and make sure your air pistol is pointing in a **SAFE DIRECTION** when closing the slide. Failure to follow this warning may cause serious injury.

- Close the air pistol by gripping the slide and pushing it back until it locks into place (Fig. 12).

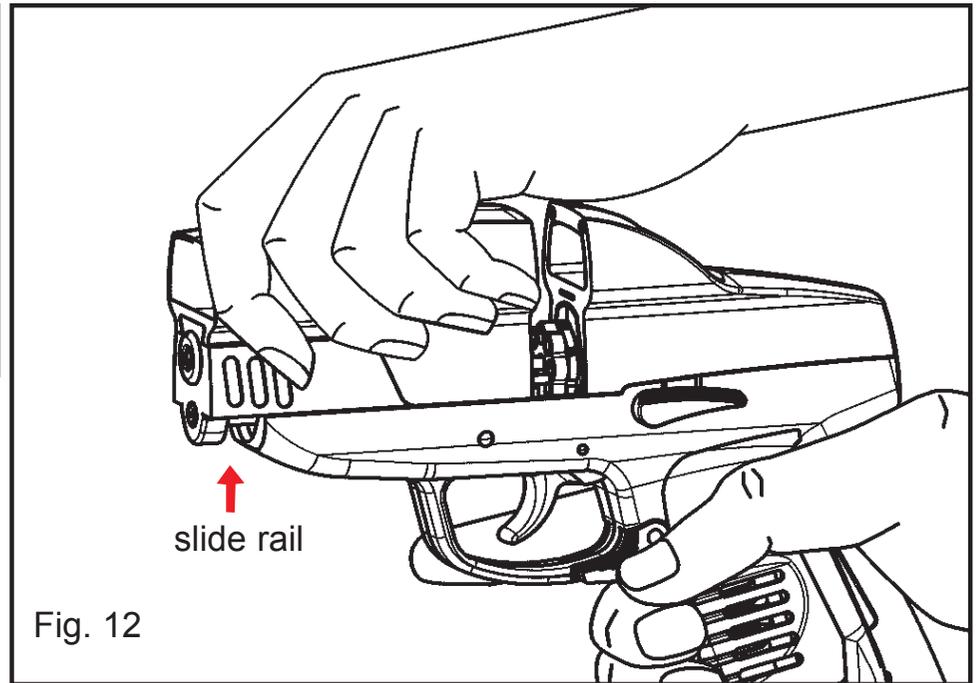


Fig. 12

4.2 Unloading the Pellets

- Put air pistol "On Safe" (See 2.1).
- Open the barrel (See 4.1).
- Remove the pellet clip. Using a ramrod, gently push each pellet out of the pellet chamber.
- **IMPORTANT:** Never use sharp metal tools to remove pellets.
- Check to make sure the barrel is completely unloaded by pointing the muzzle in a **SAFE DIRECTION**, taking "OFF SAFE" (See 2.2) and pulling the trigger to fire. You may also unload your air pistol by following the directions listed under **Step 9 - Removing a Jammed Pellet**.
- Replace the empty pellet clip (ratchet teeth facing the rear sight) on the barrel (See Fig. 11).
- Close the slide by pushing it all the way back until it locks into place (See Step 4.1) (Fig.12).

5. Aiming and Firing Safely

- Always point your airgun in a SAFE DIRECTION.
- Follow the instruction for inserting CO₂ (See **3.1**) and loading (See **4.1**)
- You and others with you should always wear shooting glasses to protect your eyes.
- Do not shoot at hard surfaces or at the surface of water. The pellet may bounce off or ricochet and hit someone or something you had not intended to hit.
- Always choose your target carefully. For example, you may wish to shoot at paper bullseye targets, that are attached to a safe backstop such as the Crosman 850 Target Trap. A heavy blanket should be hung behind the Target Trap to prevent ricochet should you miss the backstop.
- Your air pistol is designed for target shooting and is suited for both indoor and outdoor use. Always remember to place your target carefully. THINK about what you will hit if you miss the target.
- When you are sure of your target and backstop, and the area around the target is clear, take the air pistol “Off Safe” (See **2.2**) and pull the trigger to fire.

6. Sights

This airgun has a built-in sight which projects a red dot on an internal screen.

Using the red dot sight.

Make sure to point the airgun in a SAFE DIRECTION.

Locate the switch on the back strap of the grip.

Push in and hold the switch to turn the red dot sight on. (Fig.13.)

Release switch to turn the red dot sight off.

Adjusting the sight

The brightness adjustment is located at the base of the back strap.

Slide to the right to make the red dot brighter. (Fig.13.)

This airgun can be adjusted to shoot higher or lower (elevation) or left to right (windage)

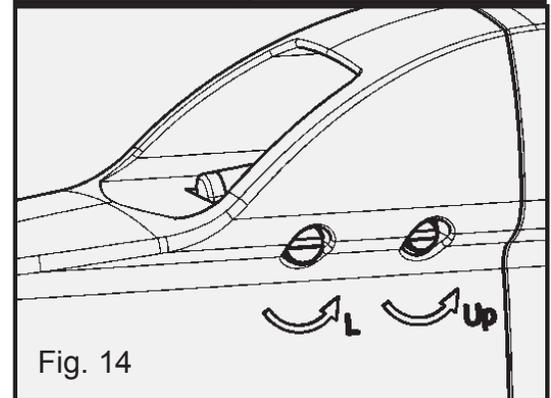
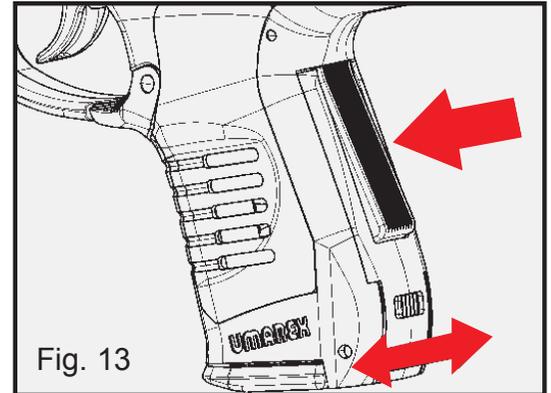
If the point of impact is too high,
turn the elevation adjustment screw clockwise.

If the point of impact is too low,
turn the elevation adjustment screw counter-clockwise.

If the point of impact is too far right,
turn the windage adjustment screw counter-clockwise.

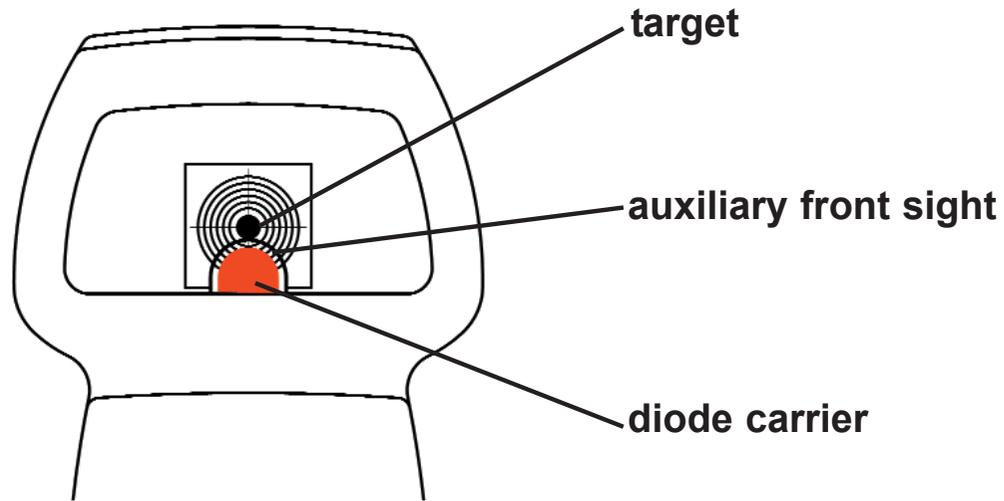
If the point of impact is too far left,
turn the windage adjustment screw clockwise.

The Airgun is zeroed at a distance of 10 m, optimum performance will occur at this distance.



7.Backup sights

In case of a battery failure or when no battery is inserted in the unit, sighting is still possible by means of the auxiliary front sight printed on the projection screen. The airgun is correctly aimed when the auxiliary front sight is positioned around the diode carrier. The bulls-eye should appear to rest on the top of the front sight.



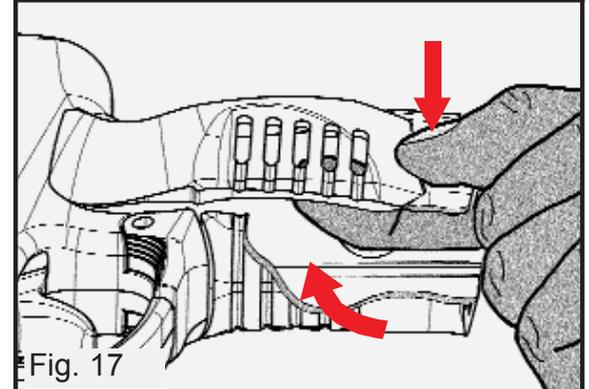
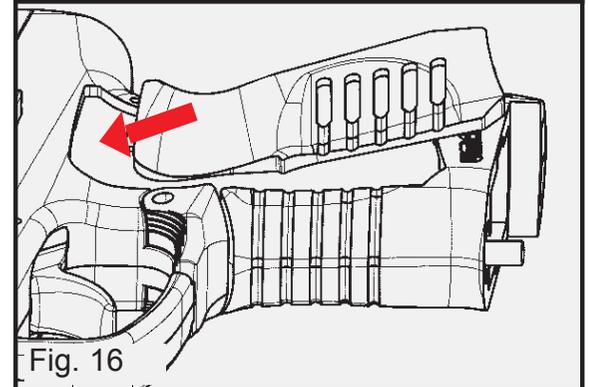
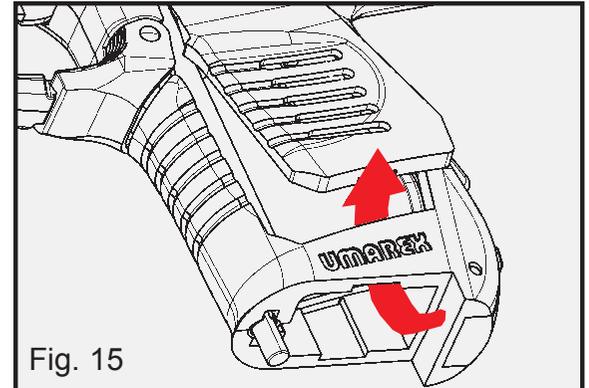
8. Battery change

The red dot sight is powered by a 3 volt lithium battery (CR 2032).
The battery has to be changed when the red aiming dot loses its brightness or disappears altogether.

- Put the airgun “On safe” (2.1)
- Remove the CO₂ magazine (3.2)
- Remove the pellet clip (4.2)
- Lift the grip plate off as shown in fig. 15 and change the battery.
- After the battery change, put the upper section of the grip plate
- into position first (fig. 16)

Place the bottom part of the plate in to position next. To do this, you will

- have to slightly bend the grip plate.
- To do so, place your index finger inside the frame,
- to help guide the grip (fig. 17)
- With your thumb on the outside of the frame, press the grip plate and
- slide it down in to position.



9. Removing A Jammed Pellet

IMPORTANT: The fact that the air pistol does not fire a projectile is never a reason to assume that the pellet clip does not contain any more pellets. Firing the air pistol with too little gas pressure left may cause a pellet to get stuck in the barrel.

- Make sure the air pistol is "ON SAFE" (See 2.1).
- Remove the CO₂ magazine (See 3.2).
- Open the slide and remove the clip.
- Insert a ramrod of the proper size into the muzzle end of the barrel and carefully push the jammed pellet into the loading port(Fig. 11.). **The barrel could be damaged if the proper sized ramrod is not used.**
- Once you have pushed the pellet back into the loading port, shake the air pistol until the jammed pellet falls out.
- Do not try to reuse that pellet. **If you are not able to unjam your air pistol by following this procedure, take no further action.** Crosman Corporation or an Authorized Service Station will unjam your air pistol (no cost during the warranty period).

10. Maintaining Your Air Pistol

- Before you attempt to oil your airgun, make sure the CO₂ cylinder has been removed and the gun is unloaded. (See 3.2 and 4)
- Your airgun will maintain proper function longer if you oil it every 250 shots. Put 2-3 drops of Crosman 0241 Pellgunoil on the slide rails (Fig.12.).
- Putting a drop of Pellgunoil on the top of every CO₂ cylinder will also help to maintain your airgun. DO NOT use petroleum distillate based oil or solvent and DO NOT over-oil as this can cause damage to your airgun.
- DO NOT MODIFY OR ALTER YOUR AIRGUN . Attempts to modify the airgun in any way inconsistent with this manual may make your airgun unsafe to use, cause serious injury or death, and will void the warranty.
- If you drop your airgun, check to see that it works properly before you use it again. If anything seems changed, like a shorter or weaker trigger pull, this may mean worn out or broken parts.
Call Crosman customer service for assistance before using your airgun again.

11. Reviewing Safety

- Never point the air pistol at any person or at anything you do not intend to shoot.
- Always treat the air pistol as though it is loaded and with the same respect you would a firearm.
- Always aim in a SAFE DIRECTION. Always keep the muzzle of the air pistol pointed in a SAFE DIRECTION.
- Always keep the air pistol "On Safe" until you are ready to shoot.
- Always check to see if the air pistol is "On Safe" and unloaded when getting it from another person or from storage.
- Always keep your finger off the trigger and out of the trigger guard until ready to shoot.
- You and others with you should always wear shooting glasses to protect your eyes.
- If your reading or prescription glasses are not safety glasses make sure you wear shooting glasses over your regular glasses.
- Use .177 caliber (4.5mm) pellet only. Never reuse ammunition.
- Do not shoot at hard surfaces or at the surface of water. The pellet may bounce off or ricochet and hit someone or something you had not intended to hit.
- 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 air pistol. Use an Authorized Service Station. Using unauthorized repair centers 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 that it is unloaded, not charged, and that the airgun in "On Safe"

SPECIFICATIONS

Mechanism:	Repeater
Caliber/Ammunition:	.177 cal (4.5 mm) Lead Airgun Pellet Magazine  8 pellets
Weight:	(.63 kg)
Overall Length:	8.24 in. (184 mm)
Barrel Length/Material:	3.3 in. (85 mm) /Rifled steel
Power source:	CO ₂ 12-gram small neck cylinders
Safety:	Manually operated lever safety
Velocity:	Up to 360 fps (109 m/s)
Power supply for red dot sight:	3 volt lithium battery IEC-CR2032 (ANSI7NEDA-5004LC)

PERFORMANCE

Many factors affect velocity, including brand of projectile, type of projectile, amount of CO₂ in cylinders, lubrication, barrel condition and temperature.

REPAIR SERVICE

If your air pistol needs repair, we recommend that you take or send it to your nearest Crosman Authorized Service Station. **DO NOT ATTEMPT TO DISASSEMBLE IT!** Your air pistol requires special tools and fixtures to repair it. Any disassembly or modification not performed by an Authorized Service Station will void the warranty.

A SPECIAL CUSTOMER SERVICE

Crosman Authorized Service Station will unjam your airgun at no cost during the warranty period.

LIMITED ONE YEAR WARRANTY

This product is warranted to the retail consumer for one year from date of retail purchase against defects in material and workmanship and is transferable. To register the serial number of your airgun, please return the airgun registration form. The warranty is not conditioned on the return of the card. You should retain the original sales receipt as record of date of purchase.

WHAT IS COVERED

Replacement parts and labor. Transportation charges to consumer for repaired product.

WHAT IS NOT COVERED

Transportation charges to Authorized Service Station for product. Damages caused by abuse, modification or failure to perform normal maintenance. (See **10**) Any other expense.

CONSEQUENTIAL DAMAGES, INCIDENTAL 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.

HOW TO OBTAIN WARRANTY PERFORMANCE

U.S. Customers: Locate nearest service station (see www.Crosman.com or call Crosman customer service at 800-724-7486 for list of stations). The service station will give you details of how to proceed with sending the item in for repair. You must contact the station prior to shipping your product.

Canadian Customers: Contact Crosman Parts & Service- 611 Neal Drive, Peterborough, ON K9J 6X7 Canada. Phone (705)-749-0206.

International Customers: Please return product to your nearest distributor. If you do not know your distributor, please call 585-657-6161 and ask for our International Department for assistance.

IMPLIED WARRANTIES

ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR 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.

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