



Optimus Model CO8M22/CO8M22X .22 cal Air Rifle MANUAL

READ ALL INSTRUCTIONS AND WARNINGS IN THIS MANUAL BEFORE USING THIS AIRGUN

CO8M22-515

WARNING: Not a toy. This airgun is recommended for adult use only. Misuse or careless use may cause serious injury or death. May be dangerous up to 700 yards (640 m).

WARNING: Do not brandish or display this airgun 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.

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 ADULTS ONLY

WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects (and other reproductive harm).

WARNING: This airgun has been classified as an adult gun, and is recommended for adult use only. Because it is considered to be a special-purpose airgun, it is exempt from specific types of trigger pull, safety mechanisms and drop tests.

Read this owner's manual completely. And remember that an airgun is not a toy. Always carefully follow the safety instructions in this owner's manual and keep the manual in a safe place for future use.

1. Learning the Parts of Your New Airgun.

Learning the parts of your new airgun helps you understand your owner's manual. Use this manual to increase your enjoyment of this airgun.

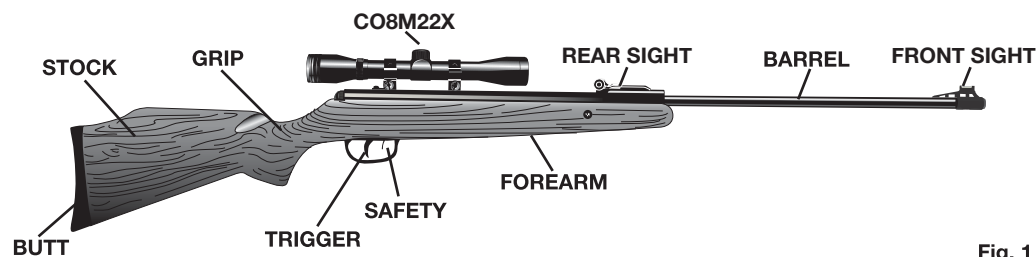


Fig. 1

Break in Period

There may be up to a 100 shot break-in period. During this period accuracy may be inconsistent and your gun may seem loud. This will improve as the spring breaks in.



Fig. 2

2. Operating the Safety

A. To Put the Airgun "ON SAFE:"

- Locate the safety in front of the trigger.
- The letters "F" (fire) and "S" (safe) on the bottom of the trigger guard indicate the appropriate position of the safety.
- Push the safety towards the trigger to put the safety on. The safety is on, and the airgun is "ON SAFE" when the lever is in the rear position (near the trigger). (Fig. 2)

Even when the safety is on, you should continue to handle the airgun safely. Don't point the gun at anything you don't intend to shoot.

Like all mechanical devices, an airgun safety can fail. Even when the safety is "ON SAFE", you should continue to handle the airgun safely. NEVER point the airgun at any person. NEVER point the airgun at anything you do not intend to shoot.

B. To Take the Airgun "OFF SAFE"

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

- Push the safety to the forward position (away from the trigger). When the airgun is "OFF SAFE" (Fig. 2) it is ready to be fired after following the instructions in this manual on how to load.

3. Adjusting the Trigger

This airgun has a trigger with a screw for adjustment of the second stage length (Fig. 3)

Note: This feature is added for advanced shooters. Most shooters can use the settings provided during manufacturing of the gun and should not need to make any modifications.

- Make sure airgun is "ON SAFE", unloaded and not cocked.
- To reduce the second stage length, rotate the adjusting screw counterclockwise.
- To increase the second stage length, rotate the adjusting screw clockwise.

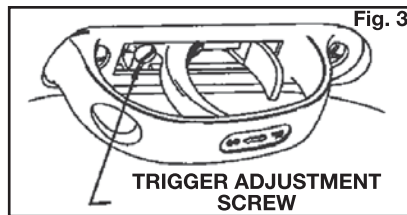


Fig. 3

4. Cocking and Loading Your Airgun



Fig. 4A

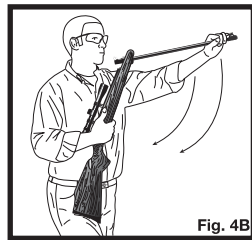


Fig. 4B

A. Cocking Your Airgun

WARNING: Make sure you do not touch the trigger or push the safety to the "OFF SAFE" position.

Do not cock your airgun until you are ready to load and fire, since the only way to un-cock your airgun is to fire it. Firing your gun without a pellet in the chamber (dry firing) may cause damage to your airgun.

- Put the airgun "ON SAFE" (SECTION 2).
- Point the airgun in a SAFE DIRECTION.
- Holding the gun close to your body, firmly tap the muzzle. (Fig. 4A)
- Anchor gun against thigh and pull barrel down as far as it will go to engage the spring. (Fig.4B)
- Be careful not to pinch your hand or fingers in the hinge area of the airgun.

B. Loading Your Airgun

WARNING: Make sure you do not pull the trigger while cocking the air rifle or with the barrel in the down position. This may cause serious damage to the air rifle.

CAUTION: Use .22 caliber pellets only in your Optimus. Never reuse ammunition. Your air gun was designed to work with Crosman branded ammunition, these include Crosman® and Benjamin. Use of any other ammunition can cause injury to you or damage to the airgun.

There may be up to a 100 shot break-in period. During this period accuracy may be inconsistent and your gun may seem loud. This will improve as the spring breaks in.

- With the barrel in the open position, after it has been cocked, place one pellet, nose forward, into the breech (Fig. 5). Make sure that the skirt of the pellet is flush with face of breech.
- Move the barrel back to its original position by pushing the barrel up until it locks (Fig. 6).
- Be sure that the barrel is locked in the closed position after loading/cocking to help ensure better accuracy.

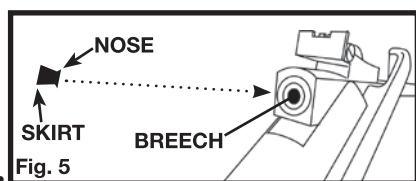


Fig. 5



Fig. 6

Once again, be careful not to pinch your hands or fingers. Be sure the airgun is "ON SAFE" and pointed in a safe direction.

WARNING: Your air rifle is now loaded and ready to fire. Keep the air rifle "ON SAFE" until you are ready to shoot. Do not point at anything you don't intend to shoot.

C. Unloading Your Airgun

Do not cock and load your airgun until you are ready to shoot since the only way to un-cock your airgun is to fire it in a safe direction. REMEMBER, choose your targets carefully and be sure that the area around the target is clear. THINK what you will hit if you miss the target! Do not store your gun cocked or loaded.

5. Aiming and Firing Safely

A. Aiming and Firing the Airgun

- You and others with you should always wear shooting glasses to protect your eyes.
- Always aim your airgun in a SAFE DIRECTION.
- 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. It is best to shoot at paper bull's-eye targets which are attached to a safe backstop. A heavy blanket should be hung behind the backstop to prevent ricochet should you miss the backstop.
- 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.
- Your airgun is designed for target shooting. 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 airgun "Off Safe" (see Section 2.2) and pull the trigger to fire.

B. Scope

Your Optimus CO8M22X is packaged with a CenterPoint 4x32mm scope. Refer to the owner's manual for your scope for instructions on mounting and use.

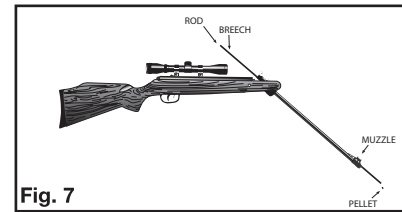


Fig. 7

6. Removing a Jammed Pellet

- Put your airgun "ON SAFE" (Section 2A).
- Do not reload the airgun if a pellet is jammed.
- Break the barrel open slightly (without pulling the barrel all the way down to the point that it cocks the action) and look down the breech to see if the gun is jammed.
- If it is jammed, insert a cleaning rod into the breech and push the jammed pellet out of the muzzle. Don't try to reuse that pellet (Fig. 7)

WARNING: Do not cock the airgun during the removal of a jammed pellet unless you plan on continuing to shoot.

Remember: do not fire your airgun without a pellet in the chamber (dry fire). This may permanently damage your airgun.

- If you are not able to unjam your airgun by following the unloading procedure, take no further action. An Authorized Service Station will unjam your airgun (no cost during the warranty period).

7. Maintaining Your Airgun

- Periodically tighten all stock fasteners
- Check and tighten scope mounts if applicable
- To ensure that your air rifle maintains uniform power, it is important that you apply a drop of Crosman RMC OIL every few hundred shots into the compression chamber. (Fig. 8) The external metal parts should be cleaned with a cloth that has RMC OIL on it.

CAUTION: Use Crosman RMC OIL only and do not over-oil. To do so can cause possible damage to the gun and injury to the shooter and bystanders.

CAUTION: Do not attempt to disassemble 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, visually 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.

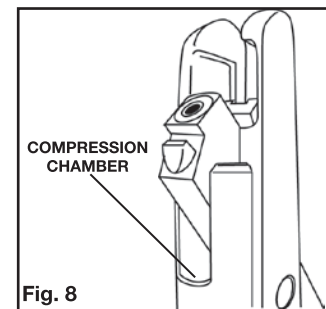


Fig. 8

8. Reviewing Safety

- Never point the airgun at any person or 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 aim in a SAFE DIRECTION. Always keep the muzzle of the airgun pointed in a SAFE DIRECTION.
- Always keep the airgun on safe until you are ready to shoot.
- Always check to see if the airgun is "ON SAFE" (see section 2A) 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 .22 caliber (5.5mm) pellet only in your Model Optimus. 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 airgun. 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 it is not loaded or cocked.
- Whenever you store the airgun, make sure it is "ON SAFE" (see section 2A.)

SPECIFICATIONS

Mechanism	Break Barrel	Length	43"
Power source	Spring	Velocity	• Up to 950fps with high velocity pellet • Up to 800fps with standard pellet.
Caliber/ammunition	.22 cal pellet	Safety	Ambidextrous Lever
Weight	6.5 lbs		

PERFORMANCE

Many factors can affect velocity, including brand of projectile and weight of projectile.

Your air gun was designed to work with Crosman branded ammunition, these include Crosman® and Benjamin®. Use of other ammunition may cause your gun to malfunction.

Break in Period

There may be up to a 100 shot break-in period. During this period accuracy may be inconsistent and your gun may seem loud. This will improve as the spring breaks in.