

2100/CLGY1000/AM77 .177 Caliber (4.5 mm) Pneumatic Airgun MANUAL

READ AND UNDERSTAND THIS ENTIRE MANUAL BEFORE USING THIS AIRGUN!

E-2100C515

REMEMBER, THIS AIR RIFLE IS NOT A TOY. ALWAYS TREAT THE AIR RIFLE AS THOUGH IT IS LOADED AND WITH THE SAME RESPECT YOU WOULD A FIREARM.

A SPECIAL MESSAGE TO PARENTS Personal injury or death can result from improper handling if a pellet or BB strikes someone in a vulnerable spot. This air rifle is not a toy. Therefore, if you purchased this air rifle for use by a younger shooter, please make certain he or she operates it under the supervision of an adult.

WARNING: NOT A TOY. ADULT SUPERVISION REQUIRED. MISUSE OR CARELESS USE MAY RESULT IN SERIOUS INJURY OR DEATH. DANGEROUS WITHIN 550 YARDS (503 METERS).

THIS AIR RIFLE IS INTENDED FOR USE BY THOSE 16 YEARS OF AGE OR OLDER. YOU AND OTHERS WITH YOU SHOULD ALWAYS WEAR SHOOTING GLASSES TO PROTECT YOUR EYES. BUYER AND USER HAVE THE DUTY TO OBEY ALL LAWS REGARDING THE USE AND OWNERSHIP OF THIS AIR RIFLE.

WARNING: DO NOT BRANDISH OR DISPLAY THIS AIR RIFLE 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.

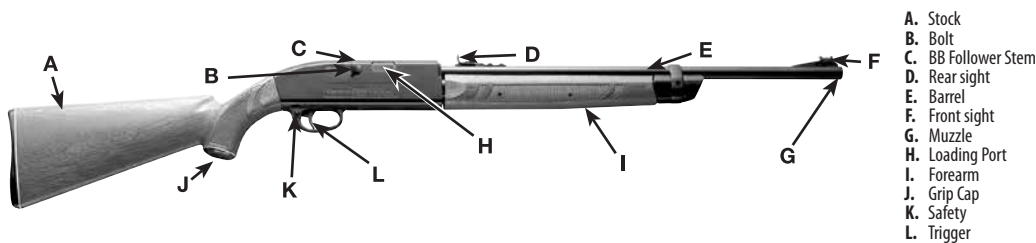
WARNING: THIS PRODUCT CONTAINS ONE OR MORE CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS (OR OTHER REPRODUCTIVE HARM).

1. IMPORTANT SAFETY INFORMATION

- ALWAYS treat the air rifle as though it is loaded and ready to fire.
- ALWAYS treat air rifles with the same respect you would a firearm.
- ALWAYS store the air rifle unloaded and away from children.
- ALWAYS aim in a SAFE DIRECTION.
- ALWAYS keep the muzzle of the air rifle pointed in a SAFE DIRECTION.
- ALWAYS keep your finger off the trigger and out of the trigger guard until ready to shoot.
- ALWAYS keep the air rifle "ON SAFE" until you are ready to shoot.
- ALWAYS check to see if the air rifle is "ON SAFE" and unloaded when removing it from storage.
- ALWAYS check to see if the air rifle is "ON SAFE" and unloaded when handing it to, or receiving it from another person.
- ALWAYS have you and others wear shooting glasses to protect your eyes. Wear shooting glasses over reading or prescription glasses.
- ALWAYS have you and others wear shooting glasses to protect your eyes.
- ALWAYS wear shooting glasses over reading or prescription glasses.
- ALWAYS place a shooting backstop in a location that will be safe should the backstop fail.
- ALWAYS check your backstop 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.
- ALWAYS use the proper size pellet in your air rifle. Check the markings on your air rifle to verify the pellet size.
- NEVER point the air rifle at any person or at anything you do not intend to shoot.
- NEVER reuse ammunition.
- NEVER 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.
- NEVER attempt to disassemble or tamper with your air rifle. Use an Authorized Service Station. Using an unauthorized service or repair center, or modifying the function of your air rifle in any way, may be unsafe and will void your warranty.

2. LEARN 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.



3. Review Pinch Points

There are certain areas on this airgun that are potential pinch points. Please study the diagram showing pinch points before using this airgun.

Pinch Points

WARNING: KEEP FINGERS CLEAR OF THE PINCH POINTS SHOWN IN FIG. 2.



4. OPERATING THE SAFETY

CAUTION: Like all mechanical devices, an air rifle safety can fail. Even when the safety is "ON SAFE", you should continue to handle the air rifle in a safe manner.

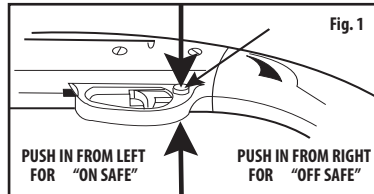
- Locate the safety on the air rifle directly in front of the trigger (Fig. 1).
- The words "Push Safe" are on the left side above the safety. The words "Push Fire" are on the right side above the safety. The condition of the safety is indicated by the direction of the safety.

A. To Put the Air Rifle "ON SAFE"

- Locate the safety in front of the trigger.
- Push the safety from the left side in (Fig. 1) for "ON SAFE" until you hear a distinct click.
- The safety is in the SAFE position, and the air rifle is "ON SAFE" when the RED ring is NOT showing.

B. To Put the Air Rifle "OFF SAFE"

- Push the safety from the right side in for "OFF SAFE" until you hear a distinct click.
- The safety is in the FIRE position, and the air rifle is "OFF SAFE" when the safety is protruding from the left side of the trigger guard, and the RED ring around the left side of the safety is showing.



WARNING: KEEP THE AIR RIFLE IN THE "ON SAFE" POSITION UNTIL YOU ARE ACTUALLY READY TO SHOOT. THEN PUSH THE SAFETY TO THE "OFF SAFE" POSITION

5. CHARGING AND UNCHARGING THE AIRGUN

WARNING:

- ALWAYS HOLD THE FOREARM FIRMLY WHEN PUMPING AIR RIFLE
- FAILURE TO GRIP THE FOREARM FIRMLY WHILE PUMPING THE AIR RIFLE MAY CAUSE THE FOREARM TO SPRING BACK AND MAY RESULT IN INJURY.

CAUTION:

- Never pump your air rifle less than three or more than 12 times.
- Over pumping may leave a small amount of air in the air rifle after it is fired and may allow the user to accidentally fire a second, unintended shot without any additional pumping.
- You must follow the procedure described below for pumping, loading and firing your air rifle each time you shoot.
- Be sure to hold the forearm firmly as you open it. It could spring back, possibly causing injury.

A. Pumping the Air Rifle

- Put the air rifle "ON SAFE".
- Place your hands in the same positions as shown in Fig. 2. Improper hand placement may result in pinching if you lose hold of the forearm. May result in injury.
- Firmly grip the forearm and open it all the way until it stops and then, with a smooth stroke, return the forearm to its original closed position.
- Use straight strokes while pumping the air rifle.
 - Twisting the forearm while pumping may cause the forearm to break.
- Make sure to use at least three pumps (but no more than 8) to prevent a pellet from jamming in the barrel after firing.

REMEMBER: You must follow the procedure described above for pumping, loading and firing your air rifle for each shot.

B. Uncharging the Air Rifle

- Always uncharge your air rifle before handing it to another person when you are done shooting and before storing.
- Make sure the air rifle is "ON SAFE" and pointed in a SAFE DIRECTION.
- To uncharge the airgun, cock and lock the bolt as if you were loading a pellet, but DO NOT load a pellet.
- Put the air rifle "OFF SAFE".
- Fire in a SAFE DIRECTION.
- Put the air rifle "ON SAFE".

6. LOADING AND UNLOADING YOUR AIR RIFLE

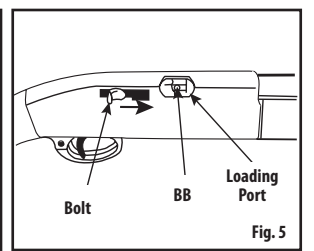
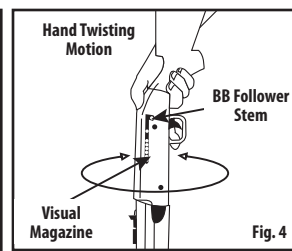
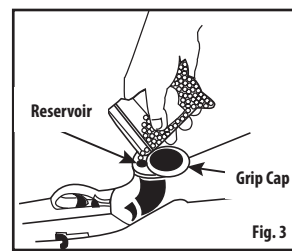
CAUTION: This air rifle was designed to function best with CROSMAN® and Benjamin pellets.

- Use of other ammunition may cause the gun to malfunction and could cause damage to the air rifle.
- Never reuse ammunition.
- Review the entire manual, including the section on Safety, before firing your air rifle.

A. Loading BBs

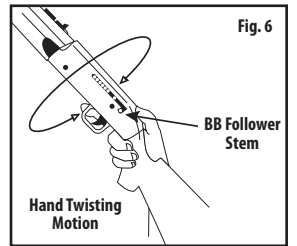
CAUTION: This air rifle was designed to function best with COPPERHEAD BBs.

- Put the airgun "ON SAFE".
- Slide grip cap toward the rear of the airgun. (Fig. 3).
- Pour no more than 200 BBs into the reservoir hole. Never put pellets in the reservoir hole because they will jam the reservoir.
- Close grip cap.
- Pull the BB follower stem back and latch in the notch. (Fig. 4).
- Point the barrel straight down.
- With a hand twisting motion, shake and twist the airgun to fill the visual magazine. (Fig. 4).
- Take BB follower stem out of notch and release it to hold BBs in visual magazine.
- Cock the bolt by pulling it all the way back. The magnetic bolt will pick up a BB.
- Push the bolt all the way forward slowly and you will see the BB move through the port. (Fig. 5). The BB is now in a position to be fired out of the barrel.
- After following these steps and reading the entire manual, including the section on reviewing safety procedures, your air rifle is now loaded and ready to fire.



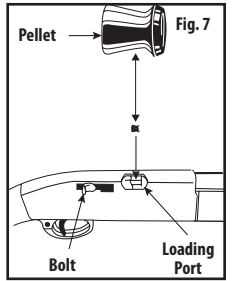
B. Unloading

- The most common way to unload BBs is to fire your airgun in a SAFE DIRECTION as described in Section 1 above.
- With the airgun "ON SAFE", pump the airgun three times and cock the bolt by pulling it all the way back and pushing it forward.
- Take the airgun "OFF SAFE", point the airgun in a SAFE DIRECTION and pull the trigger to fire.
- Put the airgun "ON SAFE".
- Pull the BB follower stem back and latch in the notch.
- Tilt the barrel upward.
- With a hand twisting motion, shake and twist the airgun until all the BBs are out of the visual magazine. (Fig. 6).
- Check to see if there are any BBs in the visual magazine. If there are still BBs in the magazine repeat the unloading procedure until the magazine is empty.
- Take the BB follower stem out of the notch and release it to block BBs from the visual magazine.
- Cock the bolt by pushing in while pulling all the way back.
- Pull the bolt back completely and then push slowly forward noticing if there is a BB on the magnetic bolt.
- Pump the airgun.
- Point the airgun in a SAFE DIRECTION, take "OFF SAFE" and fire. This will unload any BB from the magnetic bolt.
- Repeat this unloading procedure until no BBs are visible on the magnetic bolt.
- Another way of unloading the airgun is to follow the directions listed under Section 8, titled - Removing a Jammed BB or Pellet.



C. Loading a Pellet (use .177 caliber pellets only)

- Unload all the BBs from the airgun. DO NOT load a pellet when BBs are loaded in the airgun. It may cause a jam.
- Put the airgun "ON SAFE".
- Point the airgun in a SAFE DIRECTION.
- Pull the bolt all the way back.
- Place one pellet (nose first), in the loading port. (Fig. 7).
- Push the bolt all the way forward. The pellet is now in a position to fire out of the barrel.



D. Unloading a Pellet

- The most common way to unload pellets is to fire your airgun in a SAFE DIRECTION as described in Section 1 above.
- With the airgun "ON SAFE", pump the airgun three times and cock the bolt by pulling it all the way back and pushing it forward.
- Take the airgun "OFF SAFE", point the airgun in a SAFE DIRECTION and pull the trigger to fire.
- Put the airgun "ON SAFE".

7. Aiming and Firing Safely

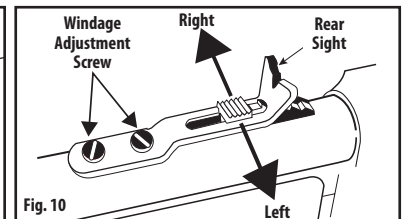
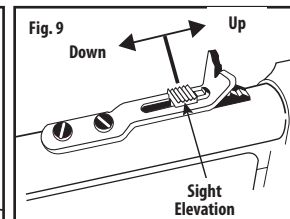
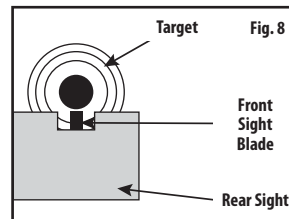
A. Aiming the Air Rifle

CAUTION:

- REMEMBER**, choose your targets carefully and be sure that the area around the target is clear.
- THINK** about what you will hit if you miss the target!
 - Always point your air rifle in a SAFE DIRECTION.
 - Your air rifle 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.
 - See the instructions for installing CO₂ (Section 4A) and loading (Section 5A).
 - The air rifle is correctly aimed when the front sight blade is positioned exactly in the center of the notch of 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. (Fig. 7)
 - When you are sure of your target and backstop and the area around the target is clear, take the air rifle "OFF SAFE" (see Section 2B) and pull the trigger to fire.

B. Sight Adjustment

- The rear sight may be adjusted to shoot higher or lower (elevation). Move the rear sight elevator back to make the pellet hit higher on the target. Move the rear sight elevator forward to make the pellet hit lower on the target. When moving the elevator, slightly lift the rear sight and reset it on the desired notch in the elevator. (Fig. 8)
- The rear sight may be adjusted to shoot right or left (windage). Loosen the windage adjustment screws by turning them counterclockwise. Move the sight to the right to make the pellet hit to the right on the target. Move the sight to the left to make the pellet hit to the left of the target. Then tighten the windage adjustment screws by turning them clockwise. (Fig. 9)



8. CLEARING A JAMMED PELLET

WARNING:

- IF A PELLET DOES NOT FIRE AFTER COMPLETING THE OPERATION STEPS, THE AIR RIFLE MAY BE JAMMED. AN UNFIRED PROJECTILE IN THE BARREL CAN BE A DANGEROUS SITUATION.
- DO NOT RELOAD THE AIR RIFLE IF A PELLET IS JAMMED.
- DO NOT PUMP THE AIR RIFLE DURING THE REMOVAL OF A JAMMED PELLET.
- NEVER LOOK DOWN THE BARREL TO SEE IF A JAM HAS BEEN CLEARED.

- Put the airgun "ON SAFE".
- Open the bolt all the way.
- With the bolt in the open position, insert a ramrod in to the muzzle end of the barrel and gently push the jammed pellet in to the pellet loading port (forward of the bolt) (Fig. 11).
- Do not reuse the pellet again.

NOTE: If you are not able to unjam your air rifle by following the "clearing a jammed pellet" procedure, take no further action. An Authorized Service Station will unjam your air rifle.

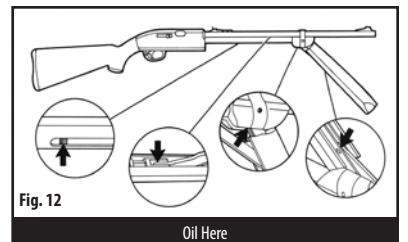
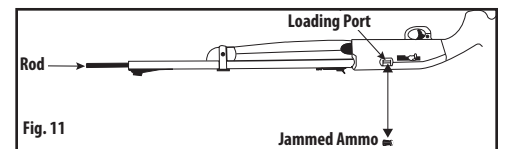
9. MAINTENANCE

A. General Maintenance

WARNING:

- DO NOT ATTEMPT TO DISASSEMBLE YOUR AIR RIFLE.
- DO NOT MODIFY OR ALTER YOUR AIR RIFLE. ATTEMPTS TO MODIFY THE AIR RIFLE IN ANY WAY INCONSISTENT WITH THIS MANUAL MAY MAKE YOUR AIR RIFLE UNSAFE TO USE, CAUSE SERIOUS INJURY OR DEATH, AND WILL VOID THE WARRANTY.
- USE CROSMAN RMCOIL ONLY AND DO NOT OVER-OIL. TO DO SO CAN CAUSE POSSIBLE DAMAGE TO THE GUN AND INJURY TO THE SHOOTER AND BYSTANDERS.

- Periodically tighten all stock fasteners.
- To ensure that your air rifle maintains uniform power, it is important that you apply a drop of Crosman Silicone RMCOIL every 250 shots.
 - Put one drop of Crosman Silicone RMCOIL on the pump pivot pins and the pump cup in the pump mechanism (Fig. 12).
 - DO NOT use petroleum distillate based oil or solvent and DO NOT over-oil as this can cause damage to the air rifle.
- A light coat of RMCOIL on the barrel helps prevent rust.
- If you drop the air rifle, visually inspect it for damage before using it again.
- Periodically check your air rifle. If anything seems changed, like a shorter or weaker trigger pull, this may mean worn out or broken parts.



PERFORMANCE

Many factors affect velocity, including brand of projectile, type of projectile, lubrication, barrel condition and temperature. This air rifle was designed to function best with CROSMAN® and BENJAMIN® branded ammunition. Use of other ammunition may cause the air rifle to malfunction.