



# HELLBOY

**.177 Cal. CO2 BB  
Tactical Rifle**



**User Instruction Manual**

**For ages 16 and older with adult supervision**

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### **IMPORTANT**

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



**WARNING:** FOR AGES 16 YEARS AND OLDER. NOT A TOY. ADULT SUPERVISION REQUIRED. MISUSE OR CARELESS USE MAY RESULT IN SERIOUS INJURY OR DEATH. MAY BE DANGEROUS UP TO 300 YARDS (274 METERS).



**WARNING:** DO NOT BRANDISH OR DISPLAY THIS AIRGUN IN PUBLIC - IT MAY CONFUSE PEOPLE AND MAY BE A CRIME. POLICE AND OTHERS MAY THINK THIS AIRGUN 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:** BE SURE THE AIRGUN IS ALWAYS POINTED IN A SAFE DIRECTION. NEVER POINT THE AIRGUN AT ANYONE EVEN IF IT IS UNLOADED. ALWAYS ASSUME AND HANDLE THE AIRGUN AS IF IT WERE LOADED AND READY TO FIRE.



### **IMPORTANT**

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

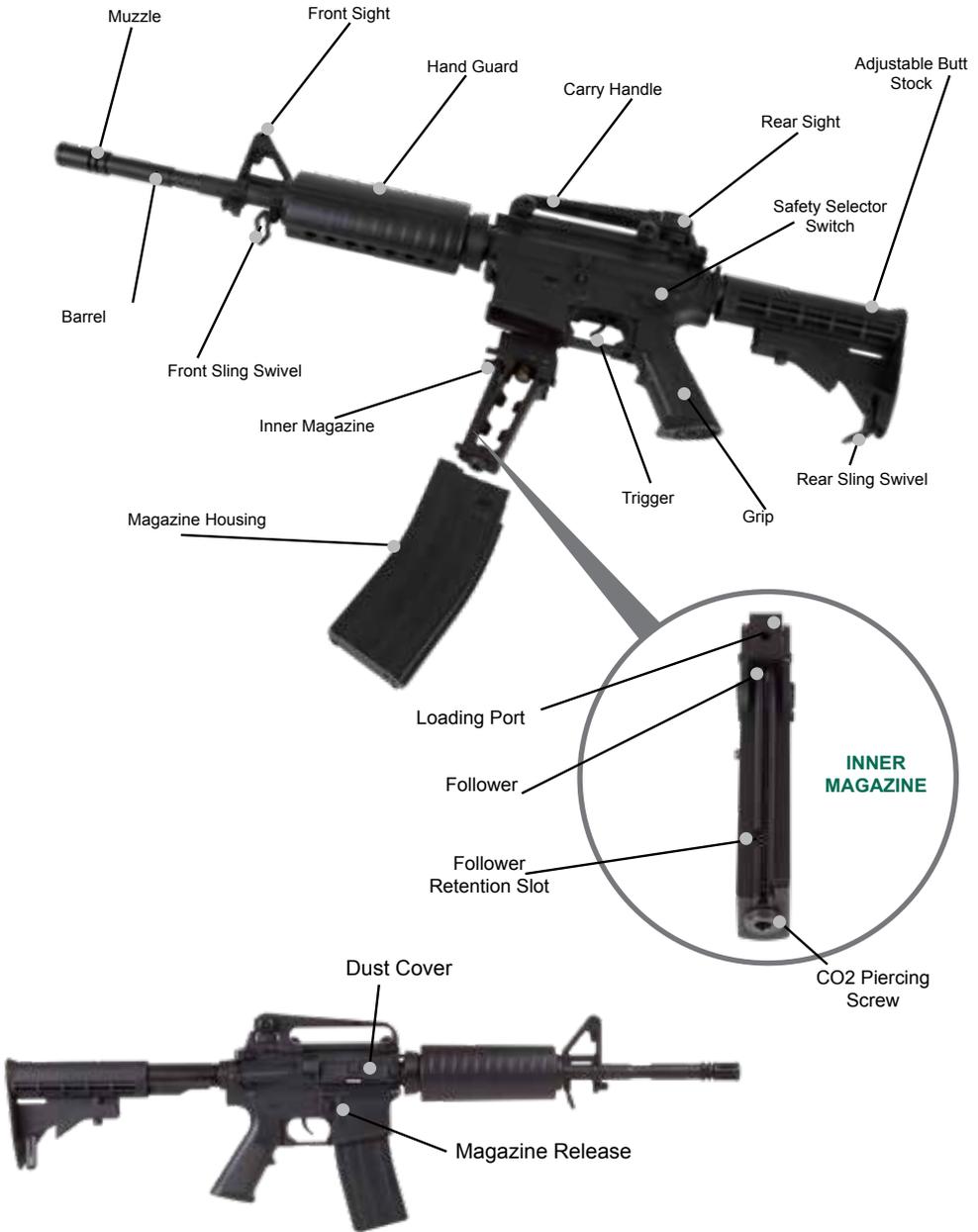


**WARNING:** THIS PRODUCT CAN EXPOSE YOU TO CHEMICALS INCLUDING LEAD, WHICH IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. FOR MORE INFORMATION GO TO [WWW.P65WARNINGS.CA.GOV](http://WWW.P65WARNINGS.CA.GOV).

## RULES OF SAFE SHOOTING

- **NEVER** point the airgun at any person.
- **NEVER** point the airgun at anything you do not intend to shoot.
- **ALWAYS** treat the airgun as if it was loaded and handle it with the same respect you would a firearm.
- **ALWAYS** aim in a **SAFE DIRECTION**. **ALWAYS** keep the muzzle pointed in a **SAFE DIRECTION**.
- **NEVER** put any part of your hand over the muzzle.
- **ALWAYS** keep the airgun on "**SAFE**" until you are ready to shoot in a **SAFE DIRECTION**.
- Check behind and beyond your target to be certain you have a safe backstop and that no person or property can be endangered.
- Place the backstop in a location that will be safe should the backstop fail.
- Replace the backstop if it becomes worn.
- **ALWAYS** be sure of your target and what lies beyond it in case you miss.
- **NEVER** shoot at hard surfaces, water or anything else that may cause a ricochet.
- This airgun may only be used where your local laws permit or at shooting ranges allowed by the law, and only if the ammunition does not travel further than the shooting area. Keep in mind the maximum range of the ammunition. **ALWAYS** abide by laws and regulations that apply to airguns.
- **ALWAYS** check to see if the airgun is ON "**SAFE**" and unloaded when getting it from another person or from storage.
- **ALWAYS** keep your finger off the trigger and away from the trigger guard until ready to shoot.
- You and others with you should **ALWAYS** wear safety shooting glasses to protect your eyes.
- If your reading or prescription glasses are not certified safety glasses, make sure you wear shooting glasses over your regular glasses.
- The shooter and everyone in the vicinity should wear hearing protection when shooting and filling guns with high pressure air.
- **NEVER** load your gun until you're ready to shoot and it's safe to do so.
- **ALWAYS** use the correct caliber ammunition that is suitable for the airgun. Use **ONLY** ammunition designed for this airgun.
- **NEVER** reuse ammunition.
- **ALWAYS** store the airgun with the safety on "**SAFE**", unloaded, uncocked, separated from the ammunition, out of the reach of children, and in a secure location to prevent unauthorized people from accessing it.
- **DO NOT** attempt to disassemble or tamper with the airgun.
- **DO NOT** put the airgun away loaded.
- **ALWAYS** store this airgun in a safe location.
- **ALWAYS** store ammunition separately from the gun.
- **NEVER** leave the airgun loaded if it is out of your reach.
- **ALWAYS** unload the airgun before giving it to someone else.
- **ALWAYS** read and follow the manufacturer's manual and instructions.
- **NEVER** let a person who has not completely read this manual use this product.

# LEARNING THE PARTS OF YOUR AIRGUN



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

## OPERATING THE SAFETY

### A. To put the rifle "ON SAFE"

Locate the safety/fire selector on the left side of the airgun by the trigger. Rotate counter-clockwise

### B. To take the rifle "OFF SAFE"

Locate the safety/fire selector on the left side of the airgun by the trigger.

For Semi-Automatic: Rotate the selector clockwise once from the safe position.

*NOTE: The last position reads AUTO, this rifle is NOT capable of firing full auto. If AUTO is selected, the rifle will still operate in semi-automatic.*

### SAFETY "ON"

Fig A



### SAFETY "OFF"

Fig B



## WARNING:

KEEP THE AIRGUN ON SAFE UNTIL YOU ARE READY TO SHOOT, THEN PUSH THE SAFETY OFF.

# INSTALLING THE CO2 CARTRIDGE

## A. Installing a new CO2 cartridge

1. Put the airgun "ON SAFE"
2. Remove the magazine by pressing the magazine release button on the right side of the rifle (Fig 1) & pulling the magazine down.
3. With the magazine removed, locate the small retention button on the right side of the magazine (Fig 2)
4. Depress the retention button while pulling upwards on the top of the magazine, the inner portion of the magazine will slide up and out of the housing (Fig 3)
5. Turn the piercing screw on the bottom of the inner magazine counter-clockwise with the included allen key (Fig 4)
6. Before installing a CO2 cartridge, it is recommended that one drop of Crosman Pellgun Oil or RWS Chamber lube is placed on the top of the CO2 cartridge
7. Insert one 12g CO2 cartridge, with the small neck of the cartridge pointing upward, into the magazine. (Fig 5)
8. Using the included allen key, turn the piercing screw clockwise until it pierces the cartridge. (Fig 6)

*NOTE: A slight seepage of CO2 may occur until piercing screw is tight.*

9. To check if the CO2 cartridge was properly pierced, reinstall the inner magazine into the magazine housing by depressing the retention button and sliding the inner magazine into the housing (Fig 7).
10. Install the assembled magazine into the rifle, take the rifle "OFF SAFE", point the rifle in a safe direction, and squeeze the trigger.
11. If the rifle does not make a popping noise after pulling the trigger, the CO2 is not being discharged. In that event put the airgun "ON SAFE" and remove the magazine. Separate the inner magazine from the housing and turn the piercing screw clockwise until the CO2 cartridge is fully pierced.



**⚠ WARNING:** USE ONLY 12 GRAM CO2 CARTRIDGES. ANY ATTEMPT TO USE OTHER TYPES OF GAS CARTRIDGES 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.

**⚠ CAUTION:** NEVER LOAD THE MAGAZINE WITH BBS UNTIL YOU HAVE VERIFIED THE AIRGUN WILL DISCHARGE CO2 PROPERLY.

## REMOVING A CO2 CARTRIDGE

### A. Removing a CO2 cartridge

1. Put the airgun "ON SAFE"
2. Remove the magazine by pressing the magazine release button on the right side of the rifle & pulling the magazine down. (Fig 1)
3. With the magazine removed, locate the small retention button on the right side of the magazine. (Fig 2)
4. Depress the retention button while pulling upwards on the top of the magazine, the inner portion of the magazine will slide up and out of the housing. (Fig 3)
5. Using the supplied allen key, turn the piercing screw on the bottom of the magazine counter-clockwise (Fig 4), until you hear gas start to escape, being careful not to come in contact with the escaping gas. Allow all the gas to escape.
6. Continue turning the screw counter-clockwise.
7. Remove the CO2 cartridge. (Fig 5)



*NOTE: Never try to force any CO2 cartridge into or out of place. Do not store your airgun with a CO2 cartridge in it. If you know you will not be using your airgun for an extended period of time, empty the CO2 cartridge and remove it from the airgun. This is very important to remember, as it will prolong the longevity of your airgun seals.*

**! WARNING:** USE ONLY 12 GRAM CO2 CARTRIDGES. ANY ATTEMPT TO USE OTHER TYPES OF GAS CARTRIDGES 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.

**! CAUTION:** NEVER LOAD THE MAGAZINE WITH BBS UNTIL YOU HAVE VERIFIED THE AIRGUN WILL DISCHARGE CO2 PROPERLY.

**! 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 CARTRIDGE IS EMPTY BEFORE ATTEMPTING TO REMOVE IT FROM THE AIRGUN BY SLOWLY TURNING THE PIERCING SCREW COUNTER-CLOCKWISE ALL THE WAY UNTIL YOU NO LONGER HEAR THE ESCAPE OF CO2 GAS.

## LOADING BBs

### A. Loading BBs

1. Put the rifle "ON SAFE"
2. Remove the magazine by pressing the magazine release button on the right side of the rifle & pulling the magazine down. (See page 8 Fig 1)
3. With the magazine removed, locate the small retention button on the right side of the magazine (see page 8 fig 2).
4. Depress the retention button while pulling upwards on the top of the magazine, the inner portion of the magazine will slide up and out of the housing (see page 8 fig 3).
5. On the front of the inner magazine, find the BB follower. Pull down on the follower until you are able to slide it into the retention slot on the left side of the magazine. (Fig 1,2 & 3)
6. With the follower retained in the slot, load BBs one at a time, up to 18 max, into the loading port. The BBs will drop down into the magazine. (Fig 4)
7. Once fully loaded, release the follower from the retention slot. (Fig 5)
8. Reinstall the inner magazine into the magazine housing by depressing the retention button and sliding the inner magazine into the housing. (Fig 6)
9. Install the assembled magazine into the rifle. Your rifle is now ready to shoot. (Fig 7)



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

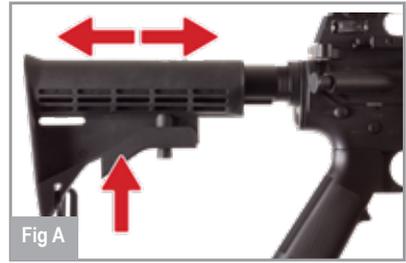
**! WARNING:** KEEP THE AIRGUN ON SAFE UNTIL YOU ARE READY TO SHOOT, THEN PUSH THE SAFETY OFF.

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

**! CAUTION:** USE ONLY .177 CALIBER (4.5MM) BBS. DO NOT ATTEMPT TO REUSE STEEL 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 AIRGUN.

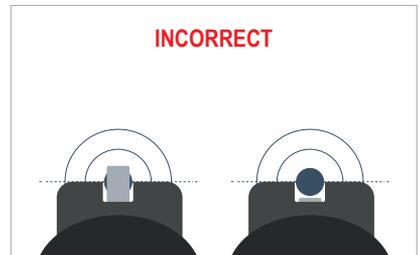
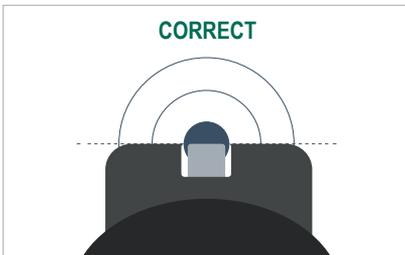
## ADJUSTING THE STOCK

- The buttstock on this rifle is 6 position adjustable.
- The length of pull can be adjusted from 10.25" to 13.5".  
(Fig A)



## AIMING AND FIRING SAFELY

- You and others with you should always wear safety shooting glasses to protect your eyes.
- Always aim the rifle in a **SAFE DIRECTION**. When you are sure of your target and backstop, and the area around the target is clear, take the rifle "OFF SAFE" and select semi-automatic fire 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 airgun 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.



**⚠ CAUTION:** YOUR BACKSTOP SHOULD BE INSPECTED BEFORE EACH USE.

## ADJUSTING THE SIGHTS

1. The rear sight on the rifle is adjustable for windage and elevation. The rear sight also has two apertures to choose from.
2. To adjust for windage, locate the windage adjustment knob on the right side of the rear sight. To move the point of impact to the right, turn the knob clockwise. To move the point of impact to the left, turn the knob counter-clockwise (Fig 1).
3. The elevation adjustment screw is located directly below the sight itself. To move the point of impact up, turn the screw clockwise, following the “UP” arrow on the left side of the sight. To move the point of impact down, turn the screw counter-clockwise, following the “DN” arrow on the left side of the sight. (Fig 2)
4. There are two apertures on the rear sight. The large aperture is for quick target acquisition and moving targets. Select the small aperture for precision shooting. To switch from the large aperture to the small aperture, pull the large aperture back and down. (Fig 3) To switch back to the large aperture, push the small aperture forward and down. (Fig 4)



## REMOVING THE CARRY HANDLE

1. In order to mount a scope on the rifle, the carry handle/rear sight unit can be removed by turning the two thumb screws counter-clockwise (*this may require a flat head screwdriver*). (Fig 1)
2. With the screws loose, you can pull the carry handle/rear sight unit off of the rifle, (Fig 2) exposing the picatinny mounting rail. (Fig 3)



## USE AND HANDLING OF CO2 CARTRIDGES

It is possible that certain conditions may affect a CO2 cartridge, 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 (60 - 80 F/16 - 27 C). Another condition may be when the gun is fired rapidly.

1. High temperatures can increase pressure in the CO2 cartridge 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 cartridge 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 cartridge. 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 cartridge.
4. Care should be exercised to ensure that the gun is not shot with a CO2 cartridge 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 cartridge is full.
  - B) The projectile hits the target, but in a lower position than it would with a full CO2 cartridge (*that is, the shooting speed has dropped*).

**CAUTION:** NEVER ATTEMPT TO REUSE A CO2 CARTRIDGES FOR ANY PURPOSE.

**CAUTION:** ALWAYS CHECK TO MAKE SURE THE AIRGUN IS UNLOADED WHEN GETTING FROM STORAGE OR FROM ANOTHER PERSON.

**WARNING:** CO2 CARTRIDGES MAY EXPLODE AT TEMPERATURES ABOVE 122 F. DO NOT MUTILATE OR INCINERATE THEM. DO NOT EXPOSE THEM TO HEAT OR STORE CO2 CARTRIDGES AT TEMPERATURES ABOVE 122 F.

TROUBLESHOOTING	Poor Firing Performance	Airgun Doesn't Function	Low Velocity
CO2 cartridge is empty	●	●	●
CO2 cartridge is defective		●	
Extreme temperatures	●		●
Incorrect projectiles	●	●	●

## One-Year Limited Warranty

This product is warranted to the retail consumer for one year from date of retail purchase against defects in material and workmanship. In the unlikely event there are any defects in materials or workmanship in the first twelve (12) months after retail purchase, we will repair or replace the defective items under warranty.

### What is covered:

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

### What is NOT covered:

Transportation charges to Air Venturi for defective products.

Any damage or faults caused by owner misuse, action or inaction.

Damages caused by abuse or failure to perform normal maintenance.

Any other expense.

Parts subject to normal wear and tear.

Consequential damages, incidental damages or incidental expenses including damage to property.

This warranty is in addition to your statutory rights. Retain your sales receipt as proof of purchase.

**NOTE:** *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:

Call Air Venturi at **216-220-1180** before returning any product.

### 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.

**NOTE:** *Some states do not allow limitations on how long an implied warranty lasts, so the above limitation 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. Illustrations and photographs are for information purposes only and may not show the exact model purchased.

### The warranty shall be invalid if the Airgun:

- Has been incorrectly disassembled, reassembled or maintained.
- Has been fitted with non-Air Venturi parts.
- Has been abused, misused or improperly stored.
- Original purchase receipt cannot be presented.









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