

**SPRINGFIELD
ARMORY® USA**

DEFEND YOUR LEGACY.

HELLCAT® **PRO**

User Instruction Manual



.177 Cal. (4.5mm) CO2 BB Pistol

**Air
Venturi**
THE POWER OF AIR

Ver. 1, 7/24

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CAUTION: EYE PROTECTION REQUIRED.
WEAR YOUR SHOOTING GLASSES.



READ THIS OWNERS 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.

WARNING: NOT A TOY. ADULT SUPERVISION IS REQUIRED
MISUSE MAY CAUSE SERIOUS INJURY OR DEATH. READ
THIS OWNER'S MANUAL BEFORE USING. MAY BE DANGEROUS UP TO 328 YARDS
(300 METERS).

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.

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: BUYER AND USER HAVE THE RESPONSIBILITY
TO OBEY ALL WARNINGS AND CAUTIONS
REGARDING THE USE OF GAS PROPELLENT.

WARNING: BUYER SHOULD BE AT LEAST 18 YEARS OF AGE
TO PURCHASE THIS AIRGUN. CAREFULLY
READ AND UNDERSTAND THESE INSTRUCTIONS BEFORE USING THIS
AIRGUN. BUYER AND USER HAVE THE DUTY TO OBEY ALL LAWS
REGARDING THE PURCHASE, USE, AND OWNERSHIP OF THIS AIRGUN.

Rules for 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 Airgun.
- **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.
- **NEVER** load your Airgun 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.
- **ALWAYS** store this Airgun in a safe location.
- **ALWAYS** store ammunition separately from the gun.
- **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.

Parts of Your Airgun



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:

ONLY HANDLE THE AIRGUN WHEN IT IS ON SAFE.
ALWAYS MAKE SURE THAT THE MUZZLE POINTS INTO A SAFE DIRECTION.

Manual Safety



! CAUTION:

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 ANYTHING YOU DO NOT INTEND TO SHOOT.

! CAUTION:

NEVER LOAD THE MAGAZINE UNTIL YOU HAVE VERIFIED THE AIRGUN WILL DISCHARGE CO₂ PROPERLY.

Installing CO₂ Capsule

! WARNING: CO₂ CAPSULES MAY EXPLODE AT TEMPERATURES ABOVE 122°F (55°C). DO NOT MUTILATE OR INCINERATE THEM. DO NOT EXPOSE THEM TO HEAT OR STORE CO₂ CAPSULES AT TEMPERATURES ABOVE 122°F (55°C).



1. Press the magazine release. The magazine will drop free from the pistol.
2. Locate the backstrap tab inside of the grip and press it firmly to release the backstrap.
3. You will find the allen key for the piercing screw on the inside of the backstrap. Push the allen key up to use it.
4. Insert a 12 gram CO₂ capsule into the back of the pistol as shown.
5. Turn capsule piercing screw clockwise with the provided allen key. The capsule is now pierced.
6. Return the allen key to the closed position (6a) and replace the backstrap (6b), be sure the backstrap is secure before use.
7. Insert the magazine.

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

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

NOTE: Do not overtighten the CO₂ capsule! Overtightening the CO₂ capsule may result in function problems with your pistol. See page 11 for more details.

! WARNING: USE ONLY 12 GRAM 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.

! 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 AIRGUN BY SLOWLY TURNING THE GAS CAPSULE PIERCING SCREW COUNTER-CLOCKWISE ALL THE WAY UNTIL YOU NO LONGER HEAR THE ESCAPE OF THE CO₂ GAS.

Loading the Magazine



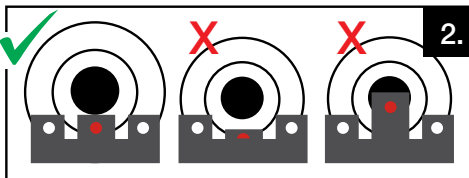
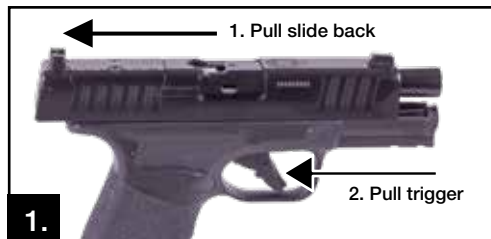
1. Press the magazine release. The magazine will drop free from the pistol.
2. Locate the BB follower (fig 2a). Pull down on the follower until it is aligned with the retention slot. Once aligned, push the follower into the slot (fig 2b).
3. Load BBs (fig 3) and release follower once complete.
4. Insert magazine into the grip frame (fig 4). You will feel it lock into place when it is fully inserted.

CAUTION:

USE ONLY .177 CALIBER (4.5 MM) 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 AIRGUN.

Operating the Pistol

- 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 the pistol "OFF SAFE", pull the slide back to cock the pistol, and squeeze the trigger to fire (fig 1)."
- 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 (fig 2 & 3).



CAUTION:

THE SLIDE BLOWS BACK, MEANING IT SHIFTS REARWARD. KEEP HANDS AND FINGERS AWAY FROM PINCH POINTS.



Installing the Red Dot Sight

- 1) Locate the cover plate screw just in front of the rear sight. Using a phillips head screwdriver, remove it by turning counter-clockwise.



- 2) Lift the cover plate off of the slide.



- 3) Install the red dot plate, ensuring the front tabs are inserted into the front slots on the slide.



- 4) Install the cover plate screw into the red dot plate, located just in front of the rear sight. Using a phillips head screwdriver, install it by turning clockwise.



- 5) Install the two red dot plate front screws with the included allen key, turning them clockwise until tight.



- 6) Align the holes in the rear base of the red dot with the pegs on the rear of the red dot plate (6a and 6b) to install the red dot sight.



- 7) To secure the red dot sight, install the two allen head screws into the mid-section of the red dot.



Use & 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 (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 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 (55°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.

2. 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.

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 capsule.

4. Care should be exercised to ensure that the gun is not shot with a CO₂ capsule 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 capsule is full.

B) 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).

CAUTION:

NEVER ATTEMPT TO REUSE A CO₂ CAPSULE FOR ANY PURPOSE.

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

WARNING:

CO₂ CAPSULES MAY EXPLODE AT TEMPERATURES ABOVE 122°F (55°C). DO NOT MUTILATE OR INCINERATE THEM. DO NOT EXPOSE THEM TO HEAT OR STORE CO₂ CAPSULES AT TEMPERATURES ABOVE 122°F (55°C).

Care & Maintenance

CAUTION:

SHOOTS BBs ONLY


Important: Do not overtighten the CO2 capsule!

Overtightening the CO2 capsule may result in problems with the trigger resetting after a shot is fired. If you encounter this, it is likely due to the CO2 capsule being overtightened and is easily resolved by turning the CO2 piercing screw counter-clockwise slightly to reduce friction within the mechanism.

IMPORTANT: Firing the airgun with too little gas pressure left may cause a BB to get stuck in the barrel.

NOTE: Only use flawless BBs: .177 caliber (4.5mm).

NOTE: Warranty expires if non-recommended BBs are used.

 **WARNING:** NEVER ASSUME THAT BECAUSE THE AIRGUN 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 AIRGUN AS THOUGH IT IS LOADED AND WITH THE SAME RESPECT YOU WOULD A FIREARM.

Removing a Jammed BB

- Make sure the air pistol is “ON SAFE”.
- Remove the magazine by pressing down on the magazine release button.
- Unload all of the BBs.
- Remove the CO2 capsule.
- 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. Contact Air Venturi by calling 216-220-1180.

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.


NOTE: Many factors affect airgun performance and velocity, including brand of projectile, lubrication, barrel condition and temperature.


Care & Maintenance

CAUTION:

BEFORE ANY CARE, CLEANING OR MAINTENANCE, ALWAYS BE SURE YOUR AIRGUN IS UNLOADED. KEEP POINTED IN A SAFE DIRECTION. IT IS IMPORTANT TO PERFORM ROUTINE INSPECTIONS AND MAINTAIN YOUR AIRGUN PROPERLY.

OILS THAT CONTAIN ACID OR RESIN CAN DAMAGE SEALS AND POSSIBLY THE FINISH OF THE AIRGUN.

 **WARNING:** AN AIRGUN 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.

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

Warranty

REPAIR / SERVICE / WARRANTY

NOTE: Do not return defective or damaged products to the dealer. If your Airgun needs repair, call Air Venturi® 216-220-1180 and ask for Service Department. **DO NOT ATTEMPT TO DISASSEMBLE IT!** Your Airgun requires special tools and fixtures to repair it. Any disassembly or modification not performed by Air Venturi® will void the warranty.

90 day Limited Warranty

This product is warranted to the retail consumer for 90 days 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 90 days 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 90 days 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.

Manual Language Variations

French



Scan Here!

Italian



Scan Here!

Spanish



Scan Here!

[illegible]



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AIR VENTURI®

5135 Naiman Parkway, Cleveland, OH 44139

Ph: 216-292-2570 • fax: 216-373-0086