



HATSAN
ARMS COMPANY

Serious. Solid. Impact.

INSTRUCTION MANUAL

PLEASE READ THIS MANUAL BEFORE USING YOUR AIR GUN

Thank you for choosing a HATSAN semi-automatic action PCP air rifle!

Always use caution when operating this air rifle. Learn and obey the laws of your local municipality, state, and/or country. Demonstrate responsibility while using this air rifle. Please read the entire manual very carefully before use. Any damage or injury resulting from misuse or incorrect handling is the sole responsibility of the owner.

This rifle allows you to fire multiple pellets and makes shooting a lot more fun giving you more chances to hit your target. This air rifle is cocked and reloaded all at once upon the pulling of the trigger. Squeezing the trigger not only opens the air valve to fire the loaded pellet, it also automatically loads the next round and resets the air valve. This enables you to shoot pellets one after another as quickly as you are able to pull the trigger and not have to reload until the rotatory clip is empty.

Warning!

- 1. Each Hatsan PCP air rifle contains pressurized air and should only be dismantled by a competent gunsmith. Otherwise serious damage/injury/death may be caused to you or others. The air rifle may also become damaged. Never attempt to dismantle the air cylinder parts or air gauge when the air cylinder is fully or partially charged. Serious injury/death/damage may result if these instructions are ignored.**
- 2. Use only factory manufactured pellets that are no longer than the thickness of the rifle's magazine. Do not use BB ammunition with your rifle.**
- 3. Hatsan PCP air rifles are designed specifically for use with dry compressed air. NO OTHER GAS OR GAS COMBINATION CAN BE USED.**

**The rifle may be filled from a diver's bottle or a suitable compressor.
MAXIMUM SAFE WORKING PRESSURE (SWP) : 250 BAR.**

GENERAL INSTRUCTIONS

There are optional open sights for the HATSAN Barrage. A rail-mounted optic can be mounted on both of these semi-auto action PCP models.

Before using your new air rifle check that it is fully charged and abide by the following basic safety rules:

Basic Safety Rules:

1. Treat every rifle as if it is loaded.
2. Never point the rifle at anyone, or allow anyone to point a rifle at you, even if you know it is not loaded.
3. Do not brandish or display this product in public – as it may confuse people and could be mistaken for a firearm.
4. Always carry the rifle so that the direction of the muzzle is under control, even if you stumble.
5. Always be sure of your target and what lies behind it before firing your rifle – this product may be dangerous up to 650 yards.
6. Beware of targets that tend to cause ricochets.
7. Never leave a loaded rifle unattended.
8. It is compulsory that eye & ear protection is worn when charging the cylinder and when shooting.
9. This is a high-powered airgun for use by those 16 years of age or older.

Section I. SPECIFICATIONS

The Hatsan Barrage & BullMaster semi-auto PCP rifles have a 14-shot magazine in .177 (4.5mm), 12-shot magazine in .22 (5.5mm) caliber.. These are pre-charged, semi-automatic, pneumatic air rifles with a 500cc non-removable air bottle.

Barrel Length	500 mm (19,7")
Overall Length	1040 mm (40.9")
Weight	4.62 kg (10.1lbs)
Maximum cylinder fill pressure	250 Bar

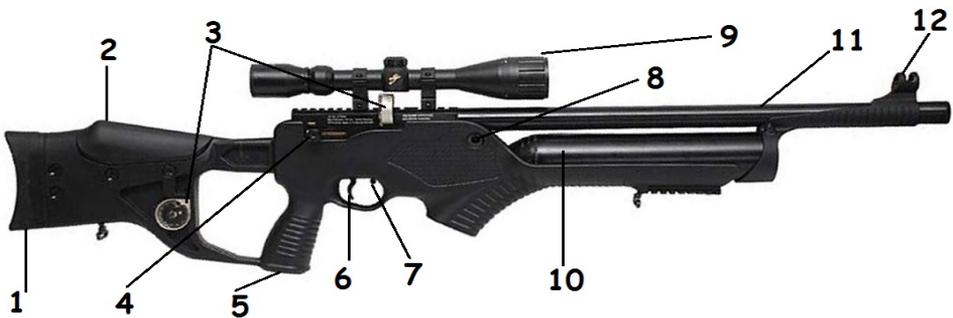
Maximum Muzzle Velocity/Energy:

Caliber	Max. Muzzle Velocity (*)	Energy (*)	
		Joules	ft.lbs
4.5mm / .177cal	320m/s (1050fps)	27	21
5.5mm / .22cal	295m/s (970fps)	42	31

**** Above maximum muzzle velocity figures may differ depending on the pellet weight & shape.**
*** The energy restriction of a particular country can be achieved by the reduction in the muzzle velocity. The above maximum velocity figures are obtained when there is no energy restriction on the air rifle and when measured at optimum pressure value in the air tube. As a nature of unregulated PCP air rifles the velocity starts lower at maximum pressure level in the air tube, then starts to increase and gets to the maximum at optimum pressure value in the air tube; and then it starts to decrease again as the pressure in the air cylinder is gradually reduced upon shooting.**

Section II. BASIC PARTS OF YOUR GUN

Hatsan Barrage



- | | |
|--------------------|--|
| 1. Butt Pad | 7. Safety |
| 2. Adjustable Comb | 8. Filling hole |
| 3. Magazines | 9. Scope |
| 4. Bolt Lever | 10. Air Bottle |
| 5. Grip | 11. Barrel |
| 6. Trigger | 12. Optional Rear (not pictured) and Front Sight |

Hatsan BullMaster



- | | |
|------------------------|-------------------|
| 1. Ventilated Butt Pad | 7. Safety |
| 2. Adjustable Comb | 8. Rail for scope |
| 3. Bolt Lever | 9. Filling hole |
| 4. Magazines | 10. Barrel |
| 5. Grip | 11. Air Bottle |
| 6. Trigger | |

Section III. MANUAL SAFETY

Safety button can be set to 'ON' and 'OFF' position manually.

To set the safety to 'ON', pull safety lever to the rear. In this position, the trigger cannot be pulled and the gun cannot be fired. (Fig.1)

To remove the safety to 'OFF', push safety lever forward. In this position, the gun is ready to shoot. (Fig. 2)

CAUTION: Until you are actually ready to shoot, keep the safety in the "ON" position (Fig. 1).



Fig. 1

Safety ON



Fig. 2

Safety OFF

Section VI. OPTIONAL REAR SIGHT ADJUSTMENT

The Hatsan Barrage air rifle has optional fiber optic rear & front sight assemblies, whereas the Hatsan BullMaster does not.

The rear-sight is a sensitive device and can be adjusted both for elevation and windage.

Windage adjustment

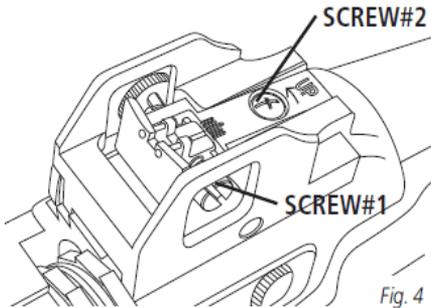
If the shot is left of the target, turn the SCREW #1 clockwise. (Fig. 4)

If the shot is right of the target, turn the SCREW #1 counter-clockwise. (Fig. 4)

Elevation adjustment

If the shot is too high, turn SCREW #2 clockwise. (Fig. 4)

If the shot is too low, turn SCREW #2 counter-clockwise. (Fig. 4)

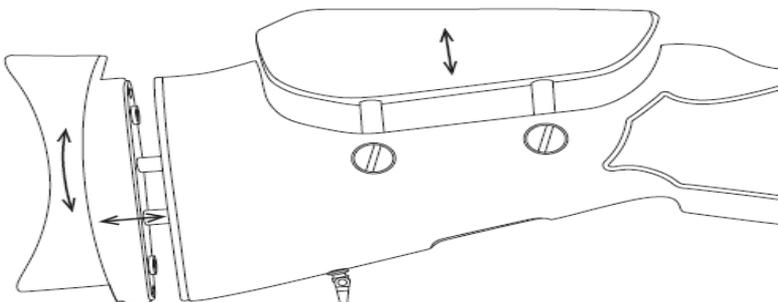


Section VI. COMFORT ADJUSTMENTS

Comb Adjustment: The Hatsan Barrage and BullMaster are equipped with an adjustable height comb. On the Hatsan Barrage, loosen the comb retention screws (Fig. Below), and set your desired height before tightening. On the Hatsan BullMaster, depress the comb adjustment button and set your desired height before releasing the button.

Stock Length of Pull Adjustment (for Hatsan Barrage): The butt pad is adjustable for length of pull. Simply loosen the 2 screws located on the right side of the stock and adjust the butt pad suitable to your reach. Then tighten the screws so the pad becomes solid. The screws can be adjusted with a suitable screw driver or with a coin.(Fig. below)

Butt Pad Adjustment (for Hatsan Barrage):The butt pad is adjustable for height and it rotates slightly, providing you the perfect height and angle of the butt pad. In order to adjust the butt pad, simply loosen the bolt in the butt pad with a suitable hex wrench; and raise or lower it according to shooting preference. Then tighten the bolt.(Fig. below)



Section VII. OPERATING INSTRUCTIONS

Warning!

1. Before filling the air cylinder; make sure the safety is in the ON position, no pellets are loaded in the air rifle and/or barrel and magazine is not mounted in the gun. If the air bottle is completely empty; fill in air bottle after cocking the gun and keeping the cocking handle/bolt lever open at the rear.
2. Take all safety measures before filling the air bottle. It is compulsory for the user and bystanders to wear eye & ear protection when filling the air bottle.
3. While filling in the air bottle; the pressure in it must be monitored from the air gauge of the hand pump or scuba charging kit. Do not look at the air gauge on the air rifle during filling process. Instead, reference the gauge on your fill device.

Charging the Rifle:

1. Pull the bolt lever backwards until it stops and locks at the back. Keep the bolt lever locked at the rear.
THIS OPERATION COCKS THE TRIGGER MECHANISM/HAMMER ASSEMBLY.
2. Fit the filler nozzle to the air-line of the charging equipment, which must incorporate a pressure gauge. Ensure both filler nozzle and rifle filler hole are clear from dirt and gently push the nozzle into the filler hole.
3. Fill the rifle to the cylinder pressure quoted previously in this manual. Do not exceed the maximum fill pressure as this will reduce the velocity of the rifle and may damage rifle components and may cause danger to you and others around you. When using a diver's bottle, refill the rifle slowly to prevent heat created by the filling process from damaging the rifles components.
4. Undo the bleeder valve on the hose before disconnecting the fill nozzle from the rifle.

Loading the rifle & shooting

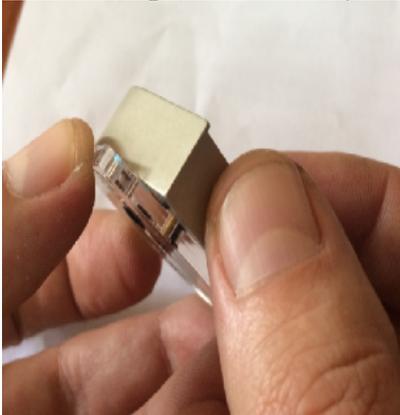
1. The magazine is composed of a rear side (transparent part) and a front side (aluminum part). The magazine is designed to be allowed to fit only one way into the rifle.
2. Hold the magazine with its aluminum side over the transparent side as shown below.



3. Spin the aluminum side counter-clockwise to release the cover from the catch point. Then insert the first pellet in backwards (skirt first) into the first location as shown below.



4. Spinning the cover in the same direction continue placing the pellets until the all positions are filled. Once the magazine is full, spin the aluminum side in the opposite direction and return the magazine to its initial position.



5. With the transparent cover facing the butt of the rifle insert the magazine from the right side of the rifle and push it inwards all the way in until it's fully in place. Shown below:



DO NOT RELEASE THE BOLT LEVER UNTIL YOU ARE READY TO FIRE.

6. Once you are ready to fire, release the bolt lever and move it all the way forward.
7. Aim at your intended target, disengage the safety and get ready to shoot.
8. Pull the trigger, the rifle will fire and re-cock the bolt at the same time.

Warning!

1. **Your rifle is able to shoot as a semi-automatic rifle as long as the pressure inside the air bottle is above 100 BAR.**
2. **Make sure the bolt lever is closed fully before you shoot.**
3. **In case of a malfunction, pull the bolt lever, remove the magazine and squeeze the trigger aiming your rifle in a safe direction. Then insert the magazine again.**
4. **Never re-cock your rifle without shooting. Each time you re-cock the bolt lever without firing, it will feed a pellet into the barrel, which will lead to a pellet accumulation inside the barrel.**
5. **If shooting does not happen after squeezing the trigger, immediately remove the magazine and pull the trigger pointing your rifle in a safe direction. Otherwise, you may accidentally leave a pellet in the barrel.**

Section VIII. MAINTENANCE

Warning!

Never attempt to disassemble this rifle. Never fire the rifle when the air in the cylinder is empty. Failure to obey this instruction could result in damage to your rifle.

Never lubricate inside the barrel as this will affect the accuracy & grouping of the rifle in negative manner.

Occasionally apply proper mineral based oils sparingly to the following parts:

- The trigger mechanism
- The pellet probe
- The cocking lever sliding surface
- The stern of the magazine pin and the magazine release
- The magazine axis hole and the outer O-ring

DO NOT OVER-LUBRICATE THE RIFLE!

- It is recommended to clean the barrel with a cleaning rod every 500-1000 shots. Never lubricate inside the barrel.
- Before you begin oiling or cleaning your air gun, always check to make sure it is unloaded.
- Always be sure your gun barrel is clean and not blocked.
- After cleaning ensure that no cleaning patch or other obstruction remains in the barrel.
- Annually, take your air gun to a gunsmith even if it seems to be working well, since some issues in your gun may not be apparent from external examination.
- Take your air gun to a gunsmith if water, sand, etc. enters the internal mechanism of the air gun, for complete cleaning.
- Dangerous conditions may occur if you do not keep your air gun clean and working properly.

Quick Fill Nozzle O-Rings Replacement

After a period of time, the O-rings on the fill nozzle will need to be replaced. The need for the replacement will become noticeable if air is heard leaking from the nozzle or the nozzle is ejected from the port while charging the rifle. Always replace both O-rings.

Safety Measures & Warnings

- This adult airgun will fire if cocked, loaded, safety disengaged and trigger pulled.
- Airguns are not toys. Never let young children use an airgun unsupervised. Adult supervision is strictly required during use. Misuse or careless use may cause serious injury or death.
- This is a high-powered airgun for use by those 16 years of age or older.
- Learn how your airgun operates and practice safe gun handling procedures before loading and using it.
- **ALWAYS USE EYE & HEARING PROTECTION AND MAKE BYSTANDERS USE THE SAME.** Failure to do so may result in eye injuries and permanent hearing loss.
- Do not point at anything you do not intend to shoot even though the gun is unloaded. Always keep the gun pointed in a safe direction.
- Never pull a gun toward you by the muzzle.
- Always aim at a safe target, taking care that it does not conceal any other object.
- Before you fire, consider where the pellet will travel should you miss your intended target, thus ensuring no damage or harm could result.
- Be sure of your target before you pull the trigger. Never shoot at sounds.
- When shooting, always have a safe shooting range, that is; have a safe area for shooting, a safe distance between you and the target, and a safe backstop to trap the pellets and hold the target.
- Do not fire at a target, which allows ricochets or deflections. Do not fire into or at water.
- Do not fire at or near power lines or insulators. Be especially careful in wooded areas where power lines may not be as visible.
- Do not load the gun until you are ready to shoot.
- Always keep your fingers away from the trigger & muzzle during cocking and handling.
- Do not walk, run or jump when carrying a loaded or cocked airgun. A loaded or a cocked gun should never be carried inside a vehicle, house, camp or public place. Never climb a tree or fence or jump a ditch with a loaded gun. In such a case, first unload it and hand the gun to a friend or place it on the ground on the other side of the obstacle before crossing yourself.
- When transporting the gun, keep it unloaded and 'on safe'.
- Always keep the gun 'on safe' until you are ready to shoot even if the gun is unloaded.
- Do not put the gun away loaded and unattended.
- Always check to see if the gun is 'on safe' and unloaded when getting it from another person or from storage.
- Always keep the airgun and/or pellets out of the reach of children. Keep the airgun and pellets in separate places, better if under lock and key.
- Do not attempt to disassemble or tamper with your gun. Use a competent gunsmith. Many airguns contain powerful springs or high pressure air cylinders which can cause serious injury if released in an uncontrolled manner.
- Always handle and treat your gun as though it were loaded.
- Improper use or handling of airguns is not the responsibility of the manufacturer or distributor, under any circumstances. The user is responsible for any harm, which may be caused.
- Think first, fire second. Don't rely on any mechanical safety. Half safe is not safe.
- Be safe not sorry. Respect other's property.
- Airguns should never be used under the influences of alcohol or drugs.
- Do not brandish or display this product in public – it could confuse people and may be a crime.
- Do not change the coloration and markings to make it look more like a firearm.



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