

RTI Arms

P - 3

USER MANUAL



Warranty

All our products have one year warranty against faulty assembly or defective materials. If anything goes wrong, please first contact your dealer, who should provide all the necessary information. Note that abuses or damages done by improper use are not subject of warranty repairs. This product may be disassembled by authorized dealers only.

Service Warnings

Do not disassemble rifle when charged. Failure to do so could result in personal injury or damage to the gun.

- Never fire rifle when it is empty of air or when air cylinder is removed
- Never point the rifle at anyone
- Treat every rifle as if it is loaded even if you know it is not
- Always carry the rifle so that the direction of the muzzle is under control
- Always be sure of your target and what lies behind it before firing
- Never leave a loaded rifle unattended
- Beware of targets that tend to cause ricochets
- It is recommended that eye protection is worn when charging the cylinder
- Always use caution when operating the rifle
- Obey the laws!
- Be responsible when using the rifle
- Never fill the rifle with anything else than regular breathing air
- Never fire the rifle below 80 bar/1200 psi tank pressure



Filling

There are two quick connects. One on the bottle and one on the back of the rifle. NEVER use rear quick connect which is on the rifle for filling. For filling ALWAYS use only quick connect on the bottle itself.

Be sure to attach a hose with female quick connect firmly on male quick connect on the bottle by moving female connection back so it snaps in place.

Close the bleed valve on your filling source and fill the bottle up to 300 bar/4300 PSI.

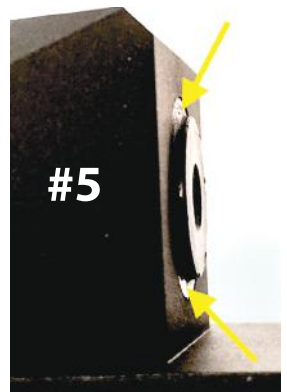
Once filled, close the air supply and bleed the pressure from the hose as quickly as possible. Pull back the outer sleeve on female quick connect and remove it from the rifle.

Always use big, more accurate pressure gauge on your air supply and check both gauges while filling!

Changing the Barrel

To change the barrel, please be careful not to damage seals or any other parts of the rifle. There are few steps to follow;

- Remove end cap from the shroud completely (#1)
- Take a barrel removal tool and screw it with hand on the end of the barrel (#2)
- Now unscrew two barrel screws completely by using 4mm hexagon tool (#3)
- Slowly take out the barrel with the tool by pulling and slowly rotating clockwise at the same time
- Cock the rifle and leave the bolt in its rear position
- Take the 2.5mm hexagon tool and remove a screw which holds pellet pusher in place and remove it (#4).
- Take a new pellet pusher, which matches a new caliber, and place it back in
- Put in a screw back and tighten it
- When done, put the barrel removal tool on the new barrel and put it slowly and precisely in by pushing and slowly rotating
- Look thru the holes where the screws for fixing the barrel should be and look for a flat surface of the barrel (#3). This is your indicator that the barrel is rotated correctly
- Barrel must go in so the outer edge is in the same plane as the breech (#5). Try by putting in the magazine
- Put in the screws and tighten them
- Remove the tool (#2) and put back the shroud cap (#1)



Loading the Magazine

Loading the magazine is fairly straightforward. Start by rotating the magazine all the way and then put in the pellet head first. Magazine drum should now hold its position. Now you may put other pellets in.

Cocking and Loading

With the barrel and pellet pusher installed, rifle pressurized and magazine loaded continue to ready the rifle for use. Always put rifle in safe by moving a safety switch over to the right side while not firing. Now pull the cocking handle in the rear position.

Insert the magazine until it locks in its position. You should hear or feel when the magazine is in position.

Now release the cocking handle and push it in its forward position. At this point rifle is hot. Pellet is in the barrel and rifle is ready to be fired.

Switching the safety over to the left side will unlock the rifle. Always point the rifle in a safe direction.

Trigger Adjustments

Make sure the rifle is not loaded and that the safety is ON.

Second stage of the trigger can be adjusted by altering a hexagon screw located in the back right side of the rifle by using 1.5mm hexagon tool (#6). To make it lighter, turn the screw clock wise. To make it harder, turn it counter clock wise. To adjust the weight of the second stage you need to alter the #7 screw. To make it lighter, turn it counter-clockwise, to make it harder, turn it clockwise.

Note that adjusting a trigger to light can make the rifle unsafe. Adjusting should be done by a specialist.

Adjusting a first stage pull length can be done only by authorized dealers. Adjustments to the trigger are not a warranted service.



Removing the air

You can bleed all the air from the rifle's plenum and the bottle by leaving the bottle on the rifle and untightening the bleed valve with 4mm Hexagon tool which is located under the buttpad.

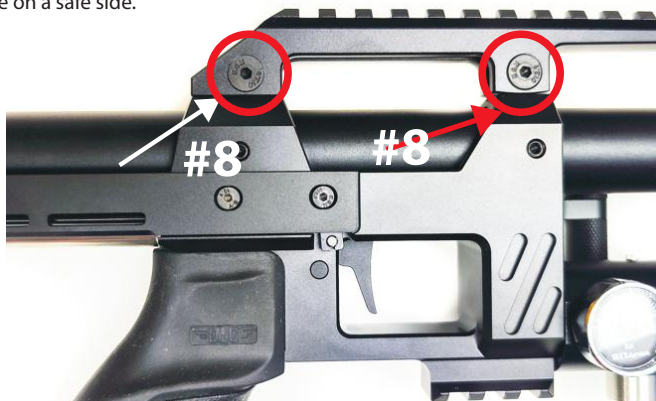
Adjusting the cheekpiece

You can adjust the height of the cheekpiece by unscrewing the two screws which are holding a cheekpiece in place. You can also change the cheekpiece on the other side.



Adjusting the power

In order to adjust the energy of the rifle with the highly efficient assisted valve, one has to do that by adjusting the pressure. Adjusting only with the hammer spring tension is not possible because the valve acts almost like a binary. Once the pressure is adjusted to desired value, start adjusting the hammer spring tension wheel. Start from the beginning and then turn it in the + direction for few clicks and try if the rifle fires (dry fire - no need to use ammunition). If the noise was not high enough, the valve did not open. Increase the tension more and retry. Once you can hear valve opening, turn the wheel 5 - 10 more clicks to be on a safe side.



Adjusting the picatinny rail

In order to adjust the angle of the picatinny rail, first untighten the two screws from the right side (#8) by using 3mm hexagon tool. Then screw in the #9 screw by using 2mm hexagon tool. Each full revolution is approx. 8 mil (approx. 25 MOA). Once height is adjusted, tighten the side screws very tight. Every few adjustments it is recommended to put some grease under the head of #8 screws so they can be tightened more.



Removing a Buddy Bottle

To remove it, make sure you hold a bottle with one hand and with other hand hold a front body (block where the trigger is) and unscrew the bottle. Never hold the rifle in the back block.

Never hold the rifle for the rear block when trying to rotate the barrel.

Maintenance

Please apply few drops of machining oil where the front of the lever action is to make sure smooth operation. Also keep care of all the steel parts with machining oil.

Exploded View

