OPERATING MANUAL

Model B24
Pre-charge Pneumatic Air Rifle

.177 Caliber(4.5mm)
.22 Caliber(5.5mm)
.25 Caliber(6.35mm）

ALWAYS FOLLOW THESE SAFETY WARNINGS

⚠WARNING: Not a toy. This air rifle is intended for ADULT USE ONLY. Misuse or careless use may cause serious injury or death.

⚠WARNING: DO NOT brandish or display this air rifle in public --- it may confuse police and others thinking 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 crime.

⚠WARNING: WHATEVER THE CONDITION IS, NEVER POINT THIS AIR RIFLE AT ANYONE EVER.

⚠WARNING: Lead pellets. Do not inhale dust or put pellets in mouth. Wash hands after handling. This product contains lead, a chemical known to public to cause cancer and birth defects (or other productive harm).

⚠WARNING: Use only compressed air in this air rifle. Use no other gases --- including oxygen, which can cause a fire or explosion that may result in serious injury or death.

⚠WARNING: This air rifle could fire when dropped or jarred, with or without the safety engaged.

Thank you for choosing ARCRANGER.Play safely with this PCP rifle B24 series.

PLEASE READ ALL INSTRUCTIONS AND WARNINGS IN THIS MANUAL BEFORE HANDLING OR SHOOTING THIS AIR RIFLE.
ALWAYS USE CAUTION WHEN OPERATING THIS AIR RIFLE.
BUYER AND USER SHOULD HAVE THE DUTY TO OBEY ALL LAWS ABOUT THE USE AND OWNERSHIP OF THIS AIR RIFLE.
AND REMEMBER THIS AIR RIFLE IS HIGHLY POWERED AND INTENDED FOR ADULT USE ONLY.

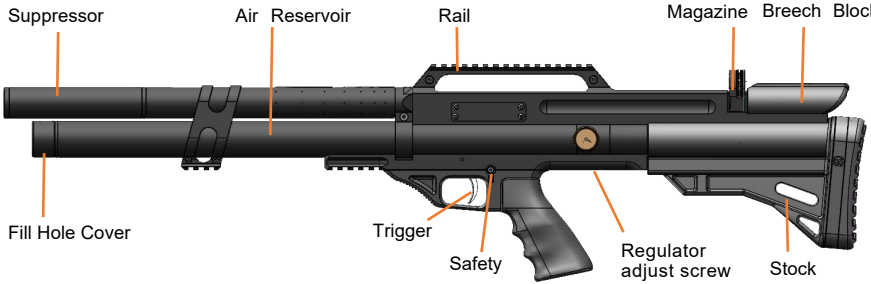
Before using your new air rifle check if it is fully charged and abide the below basic safety rules:

1.Treat every rifle as itis 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.Always carry the rifle so that the direction of the muzzle is under control,even if you stumble.
4.Always be sure of your target and whatlies behind it before firing your rifle.
5.Never leave a loaded rifle unattended.
6.Beware of targets that tend to cause ricochets.
7.It is recommended that eye &ear protection is worn when charging the cylinder and when shooting.

Please read this owner's manual completely.And remember that an air rifle is not a toy. Always carefully follow the safety instructions in this manual and keep this manual in a safe place for future use.

PARTS OF YOUR NEW AIR RIFLE

Model B24



B24 is a single&multiple shot, pre-charged, manual loading PCP rifle. It shoots great features.

- Barrel preload structure
- Improved ballistic accuracy and shooting repeatability
- Extrenal adjustable regulator
- Large capacity magazine

SPECIFICATIONS			
MODEL	B24/B24W	B24B/B24WB	B24S/B24WS
BARREL	560mm	560mm	380mm
CALIBER	.177(4.5)/.22(5.5)/.25(6.35)		
VELOCITY	.177(4.5)1000fps .22(5.5)950fps .25(6.35)900fps	.177(4.5)1000fps .22(5.5)950fps .25(6.35)900fps	.177(4.5)950fps .22(5.5)900fps .25(6.35)800fps
MAXIMUM PRESSURE	30MPa 300Bar		
REGULATOR	YES		
AIR CAPACITY	315cc	600cc	203cc
MAGAZINE CAPACITY	.177(4.5)15 SHOTS/.22(5.5)12 SHOTS/.25(6.35)11 SHOTS		
RAIL	21mm Picatinny rail		
STOCK	GERMAN BEECH / POLYMER STOCK		
DIMENSION L*W*H	832×210×65mm	832×210×65mm	652×210×65mm
WEIGHT	3.0kg	3.3kg	2.7kg
ATTACHMENTS	7mm FILL ADAPTOR, VULNERABLE O-RINGS, OWNER'S MANUAL		

OPERATING INSTRUCTIONS

1.MANUAL SAFETY

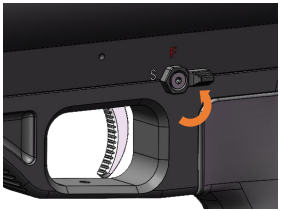


FIG 1 SAFE POSITION

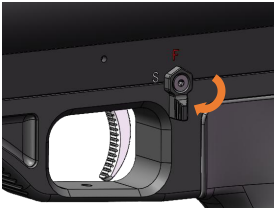


FIG 2 FIRE POSITION

●Safety button can be set to “ON”and“OFF”.

●Safety Position: When the safety knob is at the 3 o'clock position, the gun is in a safe state. Rotate the safety knob counterclockwise, as indicated by the arrow in FIG 1. In this position, the gun cannot be fired.

●Firing Position: When the safety knob is at the 6 o'clock position, the gun is in a firing state. Rotate the safety knob clockwise, as indicated by the arrow in FIG 2. In this position, the gun is ready to fire.

2.FILLING THE RIFLE

Fit the attached filladaptor to the socket coupler of your charging equipment,which must incorporate a pressure gauge (See FIG 3 to fitfilladaptor).

Remove fillhole cover first.Ensure both fill adaptor and the filler hole are clean from dirt,then insert fill adaptor into filler hole(See FIG 4 to insert ill adaptor).

We recommend you to fill **30MPa** pressure to the gas cylinder.

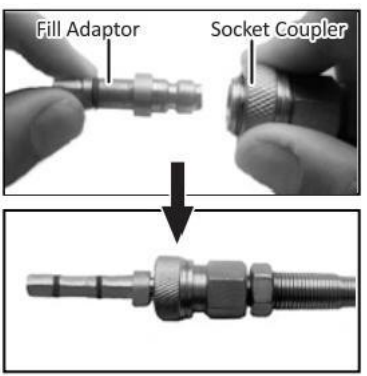


FIG 3 FIT FILL ADAPTOR

2.1 Filling the Air Rifle with a Hand Pump

Be sure to wear eye protection.

Make sure the air rifle is unloaded and not cocked.

Read all instructions with your hand pump so you are familiar with its operation.

Put the air rifle“ON SAFE”(see FIG 1).

Point the air rifle in a SAFE DIRECTION.

Follow the Step 1 and Step 2,now you are ready to fillpressure.

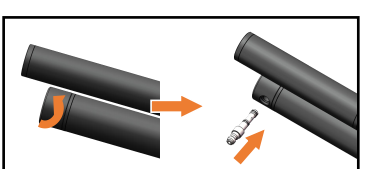


FIG 4 INSERT FILL ADAPTOR

2.2 Filling the Air Rifle with a High Pressure Tank

● Follow the FIG 3 to fit the fill adaptor.

●Then follow FIG 4 to insert fill adaptor into your rifle.

●Slowly open the valve on your tank and start filling the air rifle SLOWLY.Filling too quickly will cause heat buildup that can affect the accuracy of the fillpressure.

●Watch the gauge on your air rifle and the scuba tank until the reasonable pressure is reached.

●DO NOT EXCEED ITS MAXIMUM PRESSURE 30MPa/300Bar.

●Turn the valve on your tank off when the reasonable pressure is reached.

●BLEED RESUDIAL air in fillhose COMPLETELY to avoid hose whip and possible injury.

●Disconnect filladaptor from fill hole on the air rifle.

2.3 Depressurizing the Air Rifle

Your B24 air rifle,like most PCP air guns,is best stored with some pressure in the reservoir. This keeps seals in the air rifle forced against the sealing surface and saves some air for next time fillor use.In the event you want or need to depressurize the air rife follow the dry fire method.

●Bleed all the air by repeat cocking and dry-firing with the air rifle pointed in a SAFE DIRECTION until pressure gauge on your air rifle shows ZERO and air cannot be heard when the shot is fired.

●The air can be released via the pressure gauge on the right side of the air chamber. Simply loosen it slowly until you hear the sound of air leaking.(stop loose the gauge when you can hear the leaking sound)Once the air is completely released, tighten the pressure gauge.

●Put the air rifle“ ON SAFE”.

NOTE:Before you remove the fill adaptor from the filler hole,turn on the exhaust valve on your filling equipment and make sure the hose has already been exhausted.Then turn off the exhaust valve.
The air reservoir on your B24 air rifle is not replaceable.DO NOT INTEND TO DISMANTLE ANY PARTS ON YOUR AIR RIFLE IN ANY SITUATION.
If you couldn't fill in air when reservoir is completely empty(or at zero pressure),try cocking the bolt and dry fire once with muzzle pointed in a SAFE DIRECTION.
Always make sure the air rifle is NOT LOADED and there is NO pellet in the chamber with the safety "ON" when filling.

3.LOADING PELLETS

Magazine-Filling Procedure:

●Press the pellets into the circular hole of the transparent cover (Step 1)

●Rotate the magazine to align its holes with those on the cover (Step 2)

●Continue pressing pellets into the circular hole of the cover (Step 3)

●Repeat steps 2 and 3 until the magazine is fully loaded (Step 4)

●It hods 15 pellets for Cal.4.5,12 shots for Cal.5.5, 11 shots for Cal.6.35

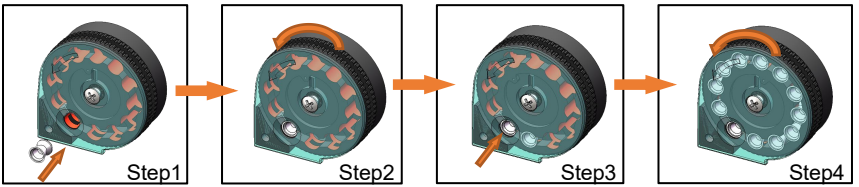


FIG 5 Magazine-Filling Procedure

4.Magazine loading procedure

- Check that the air pressure in your gas cylinder is in a proper range.
- Point muzzle in a SAFE DIRECTION when loading. NEVER POINT IT AT ANYONE.
- Make sure safety is “ON” before loading.
- The following is the loading procedure for Model B24:
- When you are holding the air rifle, make sure it is not cocked or loaded, also check if you are using the same caliber pellet as your barrel (see Step 5).
- Pull the bolt backward to cock the rifle (The bolt cannot automatically return forward).Now the loading port can be seen in Step 6.
- Align the magazine bugle into breech slot and load the magazine (see Step6).
- Push the bolt forward to the end to load the rifle (see Step7).
- When the magazine is dry,pull the bolt backward to the end, remove the empty magazine and reload.



FIG 5 LOADING PROCEDURES

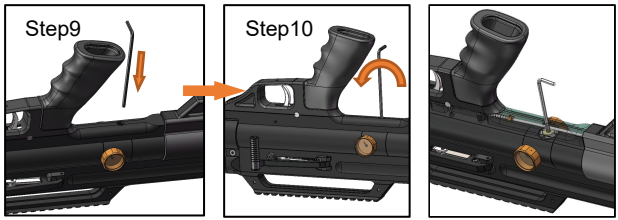


FIG 6 Pressure Adjustment

5.Regulator Pressure Adjustment

Ensure the air chamber is fully pressurized before adjusting the regulator pressure.
Use a 3mm Allen key to adjust via the adjustment screw by inserting it into the adjustment hole.
Note: When inserting the Allen key, you need to use the wrench to push the internal pull rod aside to access the adjustment screw slot (see Figure 9).

• Clockwise rotation increases the regulator pressure; counter-clockwise rotation decreases it.
• To increase pressure: Turn the wrench slowly clockwise, watch the pressure gauge until the required pressure is reached, then remove the wrench.
• To decrease pressure: Turn the wrench slowly counter-clockwise by 1/8 turn, fire an empty shot to release air, and check if the pressure gauge meets the requirement. Repeat this step until the desired pressure is achieved (see Figure 10).

6.Rear Stock Adjustment

Press and hold the locking button (see Figure 11), adjust the height up or down to the desired position (see Figure 12), then release the locking button to secure it.
Rear Stock Fore - and - After Adjustment
Loosen the stock fixing screw (see Figure 13), adjust the stock forward or backward to the corresponding marked position (see Figure 14), then tighten the stock fixing screw (see Figure 15),there are three adjustable settings.

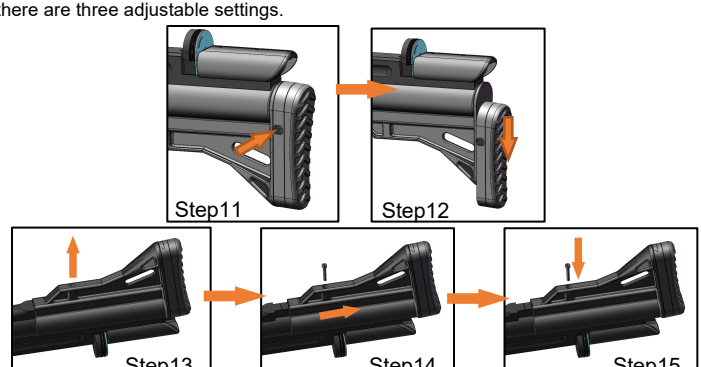


FIG 6 Rear Stock Fore - and - Aft Adjustment

MAINTENANCE

⚠WARNING: Never shoot the air gun when the air cylinder is empty.Failure to obey this instruction could result in damage to your air rifle.Never lubricate inside the barrel as this may affect the shooting accuracy and firing intensity in negative manner.

Lubricating and Cleaning

Every 3 months or 1000 shots apply mineral based oil sparingly to the following parts:

•The surface of valve pin.

•The seal of loading port.

It is recommended to clean the barrel with a cleaning rod every 3 months or every 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 air gun barrel is clean and not blocked.

After cleaning ensure that no cleaning patch or 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 air gun may not be apparent by external examination.

Take your air gun to a gunsmith if water, sand, etc.enters theinternal mechanism of the air gun,for complete cleaning.

Dangerous conditions may occur if you do not keep your air gun clean and work properly.

Quick Fill Adaptor Seal Replacement

After a period of time, the fill adaptor seals will need to be replaced. The need for this will become noticeable if air is heard leaking at filladaptor or the adaptor ejected from rifle fill hole when charging. Always ensure to replace both seals.

Intake Valve O-Ring Replacement

After a period of time,the intake valve seal will need to be replaced.Once air is heard leaking from intake valve,it is the sign of immediate replacement of the intake valve seal.

•Make sure there's no residual high pressures air in air reservoir,and wait until gauge needle points ZERO.

•The followings are replacement procedures of intake valve seal.

Dismantle the intake valve.(NO.67. See Figure 15)

Remove intake valve screw and the used seal,and replace it and re-assemble.

•Make sure all the threads are screwed in during the assembly.

•It is recommended to seek a competent gunsmith for help to replace seal.If you need to replace it yourself make sure there's no high pressure in the air reservoir and the gauge needle has pointed to zero.

SAFETY MEASURES &WARNINGS

•This air gun willshoot if cocked,loaded and trigger pulled

•Air guns are not toys.Never let young children use an air gun unsupervised.Adult supervision is strictly required during use.Misuse or careless use may cause serious injury or death.

•Learn how your air gun operates and safe air 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 air gun is unloaded.Always keep the air gun pointed in a safe direction.

•Never point an air gun toward you by the muzzle.

•Always aim at a safe target taking care that it does not conceal any other object.

•Before you shoot,consider where the pellet will travel should you miss yourintended 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,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 shoot at a target,that allows ricochets or deflections.Do not shoot into or at water.

•Do not shoot at or near powerlines or insulatorsBe especially careful in wooded areas where powerlines may not be visible.

•Do not load the air gun until you are ready to shoot.

•Always keep your fingers away from the trigger &muzzle during cocking and handling.

•Do not run or jump when carrying a loaded or cocked air gun.A loaded ora cocked air 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 air gun.In such a case,first unload it and hand the air gun to a friend or place it on the ground on the other side of the obstacle before crossing yourself.

•When transporting the air gun, keep it unloaded.

•Do not put the loaded air gun away and unattended.

•Always check to see if the air gun is unloaded when getting it from another person or from storage.

•Always keep the air gun and/or pellets out of the reach of children.Keep the air gun and pellets in separate places, better if under lock and key.

•Do not attempt to disassemble or tamper with your air gun.Use a competent gunsmith.Many air guns contain powerful springs or high pressure air cylinders which can cause seriousinjury if released in an uncontrolled manner.

•Always handle and treat your air gun as though it was loaded.

•Improper use or handling of air guns 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, shoot second.

•Be safe, not sorry. Respect other's property

•Air guns should never be used under the influences of alcohol or drugs.

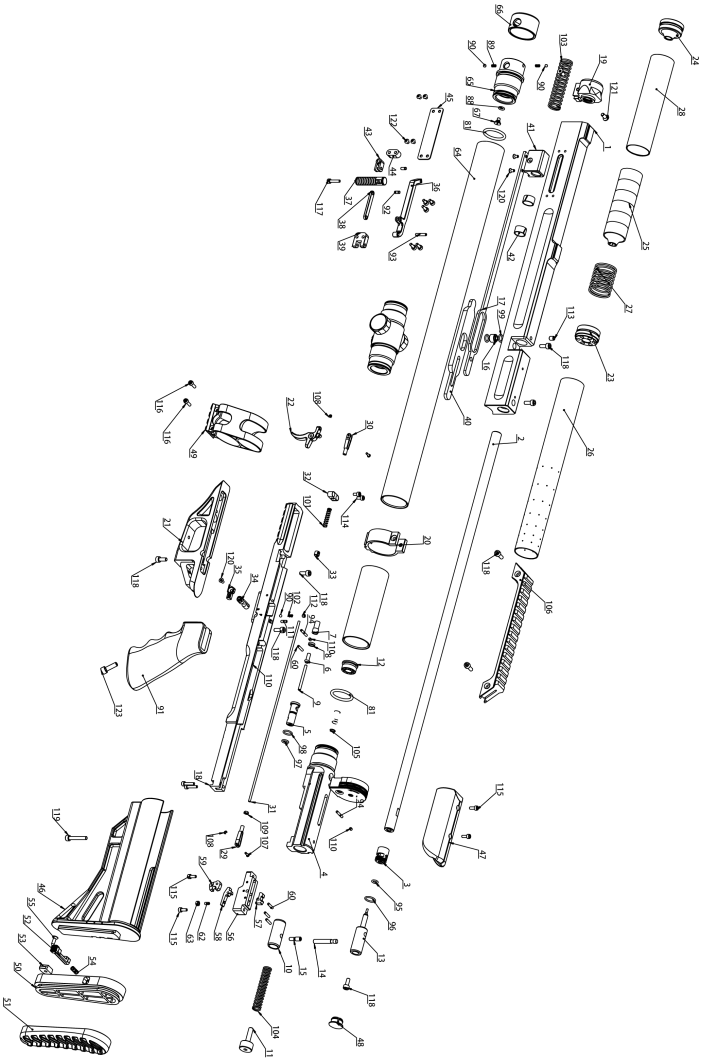


FIG 15 Exploded view