

SAM YANG

**909S
Recluse
Dragon Claw**

User instruction manual



909S



Recluse



Dragon Claw

Fill pressure: 206 bar (approximately 3,000 psi)

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WARNING:

Not a toy. Adult supervision required. Misuse or careless use may cause serious injury or death. May be dangerous up to 1,000 yards.

This airgun is intended for use by those 18 years of age or older.

Rules of safe shooting

- Never point a gun at anyone or anything, even if you think the gun is unloaded.
- Wear safety glasses where appropriate and ensure those around you do too.
- Always keep your gun on **SAFE** until you are ready to shoot safely.
- Always use a safe backstop in a safe location in case the backstop should fail or any pellets pass through it.
- Never load your gun until you are ready to shoot and it is safe to do so.
- Never shoot at hard surfaces, water or anything else that may cause a ricochet.
- Always ensure a gun is on **SAFE** and unloaded when receiving a gun or giving a gun to someone else. Many accidents are caused by people handling guns that they **thought** were **unloaded and safe!**
- Never put a gun away loaded or cocked.
- Always be sure of your target and what lies beyond it in case you miss.
- Never re-use ammunition.
- Ensure you always use the correct caliber ammunition that is suitable for your gun.
- Never rely solely on the safety. YOU are the most important safety feature!
- Always treat a gun as if it is loaded and with the respect any loaded gun commands.
- Always read and follow the manufacturer's manual and instructions.
- Always make sure you understand how to use any gun before using it.
- Always keep your finger off the trigger and clear of the triggerguard until you are ready to shoot and it is safe to do so.
- Always store the gun in a safe place, unloaded and uncocked, and out of reach of children and unauthorized users.
- Always store ammunition separately from the gun.
- Always abide by laws and regulations that apply to airguns.
- Always use the correct and recommended lubricants; failure to do so may cause injury or damage and may void the warranty.

Shooting is one of the safest sports in the world, but misuse and careless use of guns can cause serious injury or death.

ASK, LISTEN, THINK—IF IN DOUBT—DON'T!

Safety

Point your rifle in a safe direction at all times.

The cross-bolt safety is the small bolt located directly behind the trigger. This bolt is marked with a red ring on the left side.

Set: Push the bolt completely to the right so the red ring is not visible.

Release: Push the bolt to the left so the red ring appears. This allows the trigger to be pulled and the gun to be fired.

TIP: Set and release the safety several times to become familiar with this action.



WARNING:

Keep the air rifle on **SAFE** until you're ready to shoot, then push the safety OFF.

Installing the cocking bolt

Point your rifle in a safe direction at all times.

With the rifle's safety disengaged and the front sight to your left, insert a 1/4-inch hex key or screwdriver into the cutout in the hammer tube (right side of receiver).

Push the hammer back to the first click (low-power position—see page "Cocking/uncocking your rifle on page 10).

Insert the cocking bolt and line up its opening with the screw hole in the hammer. With a Philips No. 2 screwdriver, install the included 4mm screw. Tighten securely.

Fill your rifle with a hand pump

NOTE: USE COMPRESSED AIR ONLY. Other gases are dangerous and will void the warranty. To ensure safe operation, avoid distractions such as children or animals when refilling your rifle. Be sure the rifle is unloaded before filling.

NEVER fill your rifle over 206 bar/3,000 psi. This is dangerous and will void the warranty. In an over-filled condition (above 206 bar/3,000 psi), the regulator may malfunction and cause the rifle to fire at a much lower velocity. The quick-fill dust cap is located at the end of the air reservoir tube, which is below the barrel. **DO NOT REMOVE IT!** Simply rotate the cap in either direction until the female receptor port is exposed. After you finish filling your rifle, rotate the dust cap to close off the receptor port. Any dirt that enters can cause valve failure. **When filling your rifle for the first time, you must cock the rifle before filling if it was shipped unpressurized.**

A hand pump is the most convenient way to fill your rifle.

Lay your rifle next to your hand pump, making sure your rifle is pointed in a safe direction. The pump adapter probe should be within easy reach of the rifle adapter port.

Hand-tighten the bleeder valve on the base of the pump. Carefully insert the adapter probe from the pump hose into the rifle's exposed receptor port, taking care not to snag the double o-ring on the edges of the dust cap.

Use silicone grease (sold in dive shops) to lubricate the o-rings before each fill. **Caution: Use only silicone grease on the o-rings. Other lubricants may have a low flash point. It is extremely dangerous to use such products with high-pressure devices. Doing so can lead to an explosion.**

Put 12 pump strokes into the rifle. This should prime the hose enough so you can take an initial reading of the rifle's current pressure level. If you hear air leaking, carefully check all connections. If you cannot resolve the air leaks, contact the retailer that sold you the pump for troubleshooting assistance.



Your rifle's air pressure gauge (manometer)

Begin pumping in 20 stroke sets, taking a reading each time of the pressure level and allowing at least a 2-minute cooling period between each set, especially when the pressure reaches 172 bar/2,500 psi. Do not exceed 206 bar/3,000 psi.

The best technique to operate the pump is to use your upper body weight to push down on the pump, keeping your arms rigid. This method is less fatiguing than using only the strength of your arms to push the pump handle.

Once your rifle has reached the desired pressure, open the bleeder valve on the base of the pump. You will hear a loud rush of air (and maybe see some water vapor) escape from the small hole in the base of the pump. You may now safely remove the pump's probe adapter from the rifle's receptor port.



Single-reservoir gun shown above

Go to page 6 for directions to fill your rifle with a scuba tank

Fill your rifle with a scuba tank

NOTE: USE COMPRESSED AIR ONLY. Other gases are dangerous and will void the warranty. To ensure safe operation, avoid distractions such as children or animals when refilling your rifle. Be sure the rifle is unloaded before filling.

NEVER fill your rifle over 206 bar/3,000 psi. This is dangerous and will void the warranty. In an over-filled condition (above 206 bar/3,000 psi), the regulator may malfunction and cause the rifle to fire at a much lower velocity. The quick-fill dust cap is located at the end of the air reservoir tube, which is below the barrel. **DO NOT REMOVE IT!** Simply rotate the cap in either direction until the female receptor port is exposed. After you finish filling your rifle, rotate the dust cap to close off the receptor port. Any dirt that enters can cause valve failure. **When filling your rifle for the first time, you must cock the rifle before filling if it was shipped unpressurized.**

Lay your rifle next to your scuba tank, making sure your rifle is pointed in a safe direction. The pump adapter probe should be within easy reach of the rifle adapter port.

Hand-tighten the bleeder valve on the hose. Carefully insert the adapter probe from the pump hose into the rifle's exposed receptor port, taking care not to snag the double o-ring on the edges of the dust cap.

Use silicone grease (sold in dive shops) to lubricate the o-rings before each fill. **Caution: Use only silicone grease on the o-rings. Other lubricants may have a low flash point. It is extremely dangerous to use such products with high-pressure devices. Doing so can lead to an explosion.**

Open the main valve to allow a slow, controlled infusion of air. If you hear air leaking, carefully check all connections. If you cannot resolve the air leaks, return the hose adapter unit to your dealer for inspection.



Your rifle's air pressure gauge (manometer)

Once the desired air pressure is reached, close the main valve on the scuba tank. Do not exceed 206 bar/3,000 psi. Open the bleed valve. You will hear a loud rush of air (and maybe see some water vapor) escape from the bleed valve. You may now safely remove the hose's probe adapter from the rifle's receptor port.



Dual-reservoir gun shown above

! WARNING:

Use only compressed air in this airgun. Use no other gases—including oxygen, which can cause a fire or explosion that may result in serious injury or death.

Disconnecting the fill hose from the airgun without first bleeding the air may result in injury from hose whip due to pressure in the fill hose.

Do not try to repair the airgun or to disassemble it to correct an overfill or valve lock. Parts can fly from the airgun at dangerous speeds when it's disassembled while pressurized.

Loading your rifle

Point your rifle in a safe direction at all times. Slide open the breech cover to expose the barrel. Insert the pellet or bullet completely into the barrel. Close the breech cover completely.



WARNINGS:

Do not inhale dust from lead projectiles or put them in your mouth. Wash hands after handling lead. Lead pellets contain lead, a chemical known to the State of California to cause cancer and birth defects (or other reproductive harm).

Use the correct pellet size for your Sam Yang big bore rifle model. Never reuse pellets. The use of any other kind of ammunition can cause injury to you or damage to your rifle.

Power settings

At 206 bar/3,000 psi, using a 72-grain 9mm pellet, you should see these results:

Low power: approximately 750 fps
High power: approximately 980 fps

At 206 bar/3,000 psi, using a 200-grain .45-caliber pellet, you should see these results:

Low power: approximately 520 fps
High power: approximately 720 fps

At 206 bar/3,000 psi, using a 225-grain .50-caliber pellet, you should see these results:

Low power: approximately 500 fps
High power: approximately 660 fps

Sight adjustment

Front sight: The front sight is a blade and is fixed. All adjustments must be made to the rear sight.

Rear sight: Point your rifle in a safe direction at all times.

Always aim point during rear sight adjustments regardless of the point of impact. Shoot at least five pellets between adjustments, using the average of the group for reference.

Elevation adjustment

To correct a gun that shoots high, turn the rear sight elevation screw clockwise to lower the leaf. To correct a gun that shoots low, turn the rear sight elevation screw counterclockwise to raise the leaf.



Rear sights are fully adjustable

Windage adjustment

To correct a gun that shoots to the right, turn the rear sight windage screw counterclockwise to move the blade to the left. To correct a gun that shoots to the left, turn the rear sight windage screw clockwise to move the blade to the right.



Front sights are fixed

Cocking/uncocking your rifle

Before proceeding, point your rifle in a safe direction.

Cocking: Your rifle has two (2) cocking positions—low power and high power. Engage the safety. This is very important. Grab the bolt handle. Draw the bolt rearward until you hear it engage at the first click. The bolt should be positioned roughly an inch from being fully engaged. This is for low-power shooting. Continue to draw the bolt rearward completely. You will hear the second click. The bolt should now be positioned at the end of the slot. This is for high-power shooting.



Uncocking:

Engage the safety. **With your rifle pointed in a safe direction**, draw the bolt rearward—slightly past its stopping point so you feel some resistance. Still holding the bolt handle securely, release the safety and pull the trigger. You will feel the bolt handle pull in the direction away from the trigger. Gently ease the bolt toward the closed position. Pull the trigger to confirm the rifle is not in firing mode. **NOTE: Your big bore air rifle will not be harmed if you dry-fire it.**

Cleaning the barrel

If your groups are off, the barrel probably needs cleaning. **Before proceeding, point your rifle in a safe direction.**

Engage the safety. Open the breech cover. Do not clean the barrel while it's charged. Completely empty the rifle's air reservoir by dry-firing it in a safe direction. It is best to clean the rifle when your air pressure is already low so you won't have much air to discharge.

With the breech cover opened, insert the tip of the cleaning rod to completely run through the end of the barrel. Do not use a wooden dowel as a cleaning rod. A broken rod in the barrel is extremely difficult to remove. It's best to use a coated metal rod designed for cleaning airguns.

Saturate cloth patches with cleaning fluids or lubricants designed for airgun barrels. Push the saturated cloth patch through the muzzle with the cleaning rod until the patch exits at the breech. There is no need to over-clean the barrel. Swab the barrel's bore with cloth patches until the last one comes out clean. Never use an abrasive cleaning agent or metal brush.

Clearing a jammed pellet/bullet

Before proceeding, point your rifle in a safe direction.

Set the safety. Open the breech cover. Use a coated metal rod designed for cleaning rifles to clear the barrel. Push it through from the muzzle to the breech. The jammed projectile should come out.

Maintenance

Clean your rifle's exterior with a good-quality silicone product. Apply the silicone to a lint-free cloth and then wipe down the rifle's exterior.

Do **NOT** leave the air filler hole exposed. Always rotate the protective cover when not filling the gun with air.

Do **NOT** rely solely on the safety to provide guaranteed safety. *YOU are the ultimate safety for your gun.*

Do **NOT** leave pellets loaded in the breech of the rifle. Always remove ammunition from the rifle when you are done shooting.

Do **NOT** fill the rifle quickly with air. If it is charged too quickly, it can dislodge the valve from its seat, cause excess heat buildup and give inaccurate fill pressure readings.

Do **NOT** the rifle beyond the fill pressure stated on the front of this manual. Overfilling the gun could be dangerous, damage the rifle, deliver substandard performance and cause it to malfunction.

Do **NOT** use mineral-based oils or greases.

Do **NOT** use petroleum-based oils or greases.

Use only silicone grease (available in dive shops) on the o-rings. Any other lubricants will void your warranty, may damage your gun and could be dangerous (cause an explosion).

Troubleshooting

Do not use this rifle until you have read and understood this owner's manual.

In the unlikely event your rifle malfunctions or exhibits reduced performance, DO NOT attempt to fix the problem yourself. Please call Air Venturi to address any issues. They may ask you to return the gun for repair.

Air Venturi service line: 216-220-1180

Warranty

One-Year Limited Warranty

This product is warranted to the retail consumer for one year from date of retail purchase against defects in materials and workmanship and is transferable.

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.
- Damages caused by abuse or failure to perform normal maintenance or over-pressurization
- Any other expense.
- Parts subject to normal wear and tear.
- Consequential damages, incidental damages or incidental expenses including damage to property.

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:

Warranty claims for U.S. and Canadian Customers:

Warranty card must be completed and mailed to Air Venturi within 28 days of purchase. Please return product to Air Venturi. 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.

Completed warranty card (page 15) must be returned by retail customer to Air Venturi within 28 days of purchase.

Keep your purchase receipt, as warranty service will not be provided without it.

WARNINGS:

Not a toy. Adult supervision required. Misuse or careless use may cause serious injury or death. May be dangerous up to 1,000 yards.

This airgun is intended for use by those 18 years of age or older.

Do not inhale dust from lead pellets or put lead pellets in your mouth. Wash hands after handling lead. Lead pellets contain lead, a chemical known to the State of California to cause cancer and birth defects (or other reproductive harm).

Use only dry, filtered compressed air in this gun. Use no other gas, including oxygen, which can cause a fire or explosion that may result in serious injury or death.

Keep the air rifle on **SAFE** until you're ready to shoot, then push the safety OFF.

Keep your finger off the trigger while cocking the air rifle.

Use the correct pellet size for your rifle model. Never reuse pellets. The use of any other kind of ammunition can cause injury to you or damage to your rifle.

Do not assume your gun is unloaded if it fails to fire properly!

Never leave or store your airgun loaded.



Do NOT exceed maximum fill pressure of 206 bar/3000 psi at room temperature!

Use only compressed air in this airgun.
Use no other gases—including oxygen, which can cause a fire or explosion that may result in serious injury or death.

Disconnecting the fill hose from the airgun without bleeding the air first may result in injury from hose whip as a result of pressure in the fill hose.

Do not attempt to repair the airgun or to disassemble to correct an overfill or valve lock. Parts can fly from the airgun at dangerous speeds when it is disassembled while pressurized.

When filling the compressed air cylinder, the compressed air must NOT contain oil, water or any other contaminant.

Compressed air cylinders must NEVER be opened or modified mechanically by unauthorized specialists.

The compressed air cylinder must be protected from forceful impacts.

Compressed air cylinders are NOT intended for transport of other gases.

Warranty registration

Sam Yang rifles are manufactured to the highest possible standards, using the finest materials to give a lifetime of service. In the unlikely event of there being any defects in materials or workmanship in the first twelve (12) months after retail purchase, we will repair or replace the rifle under warranty.

Note: The warranty shall be invalid if:

- The rifle has been disassembled and incorrectly reassembled.
- The rifle is found to have lubrication not recommended by Sam Yang.
- The rifle has been fitted with non-Sam Yang parts.
- The rifle has been misused or abused
- The warranty card was not returned within 28 days of retail purchase and/or the original purchase receipt cannot be presented.

Note: The warranty shall NOT cover:

- Any damage or faults caused by owner misuse or action.
- Shipment damage of the rifle to or from Air Venturi.

This warranty is in addition to your statutory rights. To register your warranty, the card on page 15 must be completed and returned to Air Venturi within 28 days of purchase. Retain your sales receipt as proof of purchase.

Complete the warranty card on page 15 and mail to Air Venturi, 18370 South Miles Road, Warrensville Heights, OH 44128.

Warranty card for Sam Yang 909S, Recluse and Dragon Claw air rifles

Serial Number: **Date of Purchase:**.....

Caliber: **Stock:**

Where purchased:.....

Your name:

Your address:

.....

.....

Your phone:.....

Complete the above warranty card and mail to Air Venturi, 18370 South Miles Road, Warrensville Heights, OH 44128.

Air venturi

The Power of Air

Air Venturi
18370 South Miles Road
Warrensville Heights, OH 44128
216-220-1180