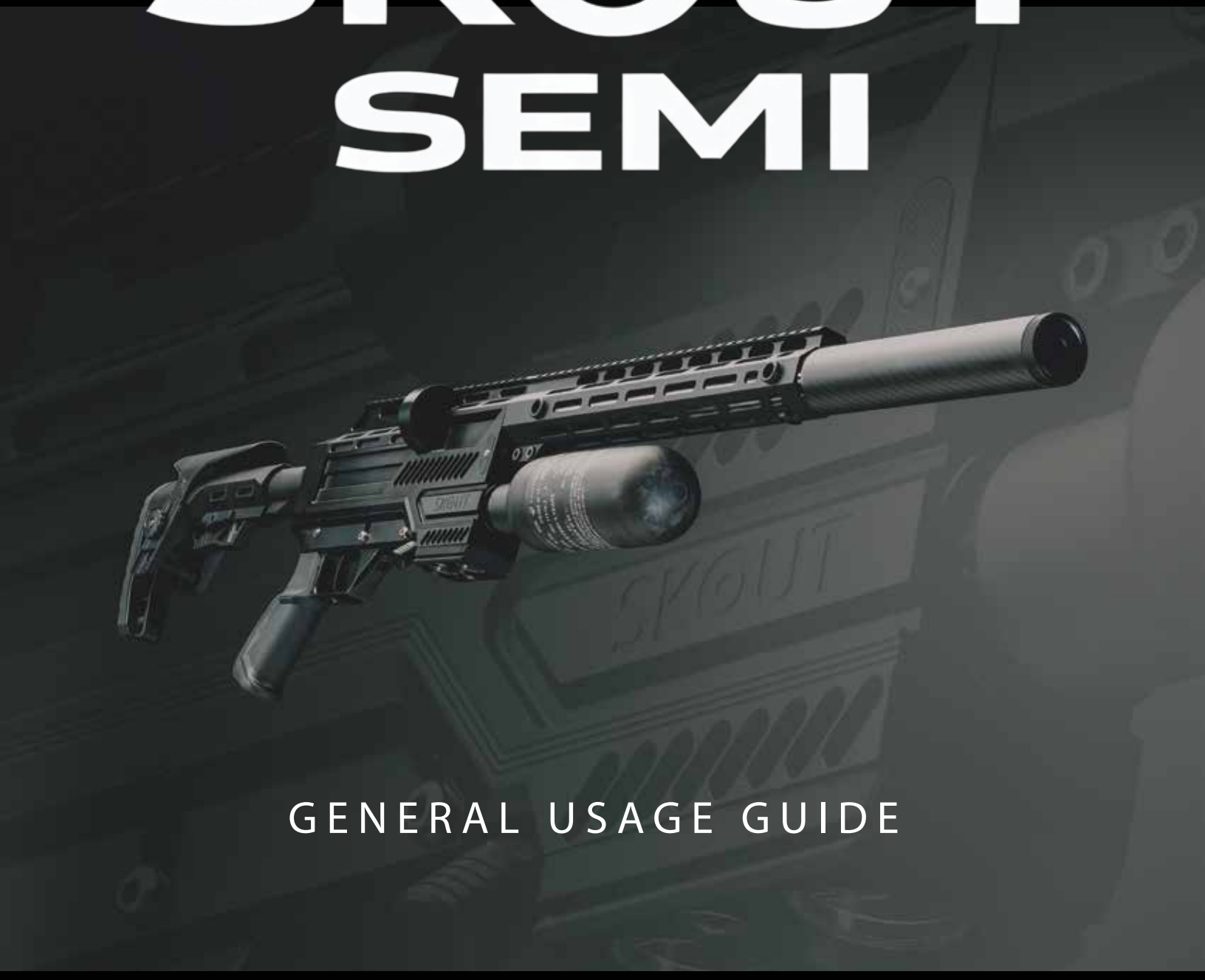
SKOUT SEMI



GENERAL USAGE GUIDE

IMPORTANT - INFORMATION CONTAINED IN THIS MANUAL IS CONSIDERED TO BE VITAL TO THE SAFE OPERATION OF YOUR AIR RIFLE. FAILURE TO FOLLOW THE PROCEDURES WITHIN THIS MANUAL MAY RESULT IN INJURY, DEATH, EQUIPMENT DAMAGE AND/OR THE VOID OF ALL FACTORY WARRANTY TERMS.

V 1.1

Welcome to the SKOUT Airguns family. Your Skout Semi is hand assembled in the United States of America by a dedicated team, passionate about delivering the best possible airgun experience. This new semi-automatic airgun represents a major leap forward in airgun design, combining full power performance with an exceptionally fast fire rate. Engineered with an advanced firing system, it delivers consistent, high-energy shots while allowing rapid follow-up firing without sacrificing accuracy. The airgun's balanced ergonomics and refined trigger control make it highly responsive in competitive shooting, where speed and precision are critical, while its reliable power output and repeatable shot placement also make it well suited for hunting applications. Built with durability and efficiency in mind, this innovative platform offers shooters a versatile, high-performance solution that bridges the gap between competition-level speed and field-ready effectiveness.

WARNING! THE Skout Semi® IS NOT A TOY, IT IS A PRECISION MATCH GRADE AIRGUN. THOROUGHLY READ THIS Semi® OPERATION MANUAL BEFORE OPERATING. READ THESE INSTRUCTIONS AND WARNINGS CAREFULLY. BE SURE YOU UNDERSTAND THESE INSTRUCTIONS AND WARNINGS BEFORE USING THIS AIRGUN. FAILURE TO READ THESE INSTRUCTIONS AND TO FOLLOW THESE WARNINGS MAY RESULT IN SERIOUS INJURY OR DEATH TO YOU AND OTHERS AND DAMAGE TO PROPERTY.

The SKOUT Semi® airgun is a dangerous weapon that must be handled with extreme caution. This air rifle should always be pointed in a safe direction and treated as if it is loaded and ready to fire. The Semi® airgun is a match grade trigger to allow for fast follow up shots. To achieve this level of speed the Semi® has an extremely short and light weight trigger pull. The airgun must have its safety on anytime it is to be handled or transported. When the airgun is in the "Fire" condition a bump or impact may cause an accidental discharge. The user must exercise extreme caution anytime the gun is handled or transported – always keep the airgun unloaded, with the safety on to prevent an accidental discharge, and always keep the airgun pointed in a safe direction with the breech open and the magazine removed, when it is not in active use. Always keep the airgun pointed in a safe direction. Never rely solely on the safety mechanism.

IMPORTANT SAFETY INFORMATION

*THESE GUIDES ARE PROVIDED IN ADDITION TO ANY LOCAL LAWS OR REGULATIONS

> Familiarize yourself with and follow applicable national, local and regional laws for com pressed air and airgun use and transport. Do not load or fire this airgun until you have completely read this manual and are familiar with its safety features.

> Handle this and any other airgun as if it were loaded and ready to fire.

> Do not look down the barrel of any airgun. Accidental discharge could cause blindness, or other serious injury or death.

> Keep the airgun in a safe condition until ready to shoot. Never point the airgun at anything you do not intend to shoot.

> Always keep the muzzle pointed in a safe direction.

> Always verify that the compressed air cylinder is fully seated before pressurizing the SEMI.

> Pressurize and load the airgun only when it will be immediately used.

> Never field strip or disassemble the airgun while it is pressurized.

> Do not brandish or display this product in public as it may cause confusion and can be considered a crime in most countries.

KEEP AIRGUNS OUT OF REACH OF CHILDREN

MUST BE AT LEAST 18 YEARS+ TO PURCHASE OR OPERATE AN AIRGUN

ALWAYS WEAR EYE PROTECTION

DESIGNED FOR SHOOTING SPORTS WHEN OPERATING A PRESSURIZED AIRGUN.

The SEMI match grade air rifle trigger is extremely sensitive to shock or impact, extreme care must be taken to avoid accidental discharge.

COMPONENT MODIFICATION WARNING:

Never manipulate, adjust or change any of the internal components of your airgun unless specifically directed to do so in this manual. Improper manipulation of any internal component may affect the safety and reliability of your airgun and may cause serious injury or death.

LUBRICATION WARNING:

Use only silicone lubricant to
lubricate seals or components where specified. Use of other lubricants may reduce the safety and performance of your air-gun. Damage caused by improper lubrication is not covered under warranty.

SAFE CONDITION EXAMPLE

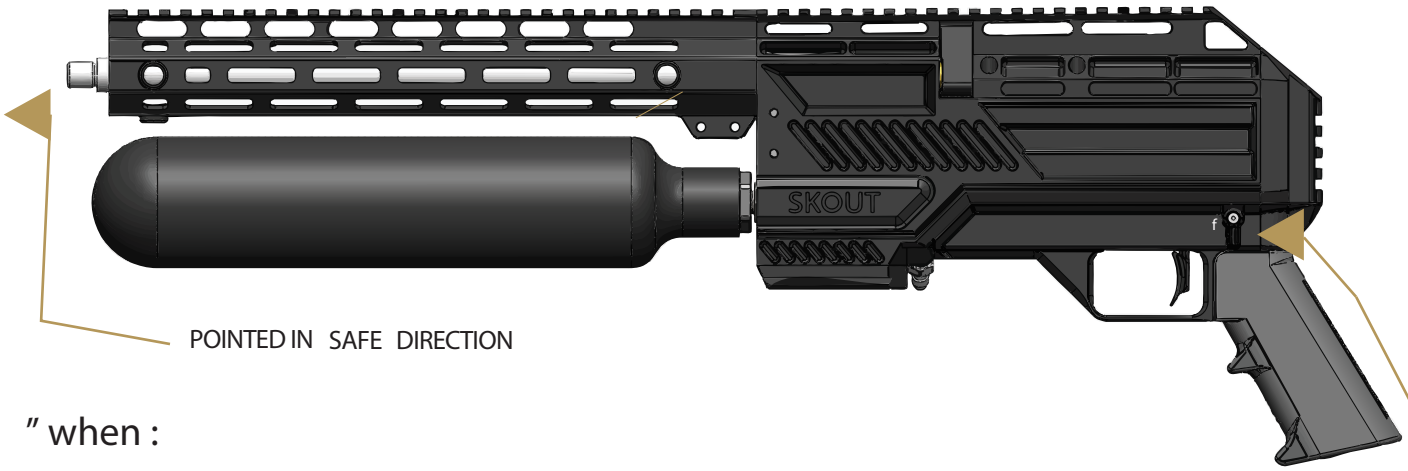
The SEMI is considered to be in the " SAFE CONDITION " when:

POINTED IN SAFE DIRECTION

- The air rifle is UNLOADED , with no magazine installed.
- The safet y is in the safe postion as indicated

READY CONDITION EXAMPLE

MAGAZINE LOADED



POINTED IN SAFE DIRECTION

" when :

-The SEMI is considered to be in the " READY TO FIRE CONDITION"

- The air rifle is LOADED , with a loaded magazine installed.
- The Safety is in the "F" or fire position

IMPORTANT AIR SYSTEM SAFETY

WARNING

Improper use, filling, or storage of an air cylinder may result in property damage, serious injury, or death. Do not put any lubricants in the air adapter or fill fittings, as this may cause an explosion

READ AND UNDERSTAND BEFORE PROCEEDING

Fill the SEMI with compressed air only. It's valve system and design are centered around the energy and expansion characteristics of atmospheric air.

Fill the SEMI with dry air, low-cost compressors operating in humid environments with poor drying capability may deliver both compressed air and moisture condensed from that air.

Condensed moisture inside the SEMI's valve and air chambers will reduce consistency.

Do not overfill the air cylinder - see maximum fill pressure on cylinder, never exceed 4500psi with any cylinder.

Do not modify the air cylinder in any way.

If an air cylinder that has been exposed to fire or heated to a temperature above 250°F (121°C) it must be destroyed by properly trained personnel.

Inspect the air cylinder for any cracks or physical damage before filling. If any cracks or physical damage are noticed, the air cylinder should not be filled, and it should be checked by a professional technician before use or replaced altogether.

Inspect the air cylinder to verify that it is within its service life and the inspection duration, whether based on its date of manufacture or the most recent rectification. If the cylinder is outside of its inspection duration, have it professionally tested and re-certified before filling.

FILLING YOUR AIR CYLINDER

STEP 1:

Connect the1/8-inch female disconnect from the compressed air filling system, to the fill nipple located left of the guages.

STEP 2:

Ensure the female connection fitting from the air fill system is fully engaged.

STEP 3:

Fill the SEMI until it reaches a maximum of 4500 psi, no more! The SEMI is designed for 4500 fill pressure DO NOT EXCEED

STEP 4:

Once the maximum fill pressure is reached and the compressed air supply from the fill system has been shut off, depressurize the fill hose and fittings by opening the filling system's bleeder valve.

STEP 5:

After depressurizing the fill hose, remove the fill station fitting from the SEMI's fill nipple.

GAUGES ON YOUR SEMI

This is your High Pressure Source (HPS) gauge.
This gauge indicates the air cylinder pressure before regulation.

This is your High Pressure Regulator (HPR) This gauge setting will directly effect your velocity.

REMOVING AIR CYLINDER

WARNING

The Skout SEMI uses the industry stardard tank fittings
When one unscrews tha bottle from the gun. The gas in the gun will vent to atmosphere and the bottle valve will close trapping the remaining gas it the bottle and some remaining gas in the rifle.

Degassing Your Air Rifle

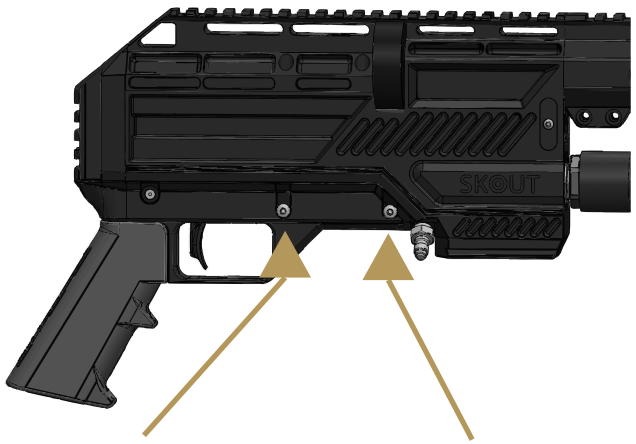
To safely degas your rifle before working on it, always remove the air cylindar first. This bleeds off the high-pressure air and relieves pressure to the rear port. In normal use you can simply store the gun on safe with the cylinder attached, or remove the cylinder and store it separately. Full degassing is only needed when you're performing repairs or maintenance. Behind the rear stock plate is a ports for future stocks that can move the air bottle to the back of the gun. REMOVING THE PLATE BEFORE THE CYLINDER WILL CAUSE A LOUD POP AND RAPID GAS RELEASE THROUGH THAT PORT!

Steps:

- (1) Unscrew and remove the air cylinder from the gun
- (2) Remove the rear stock plate
- (3) Locate the small bleeder valve behind the plate and loosen it to release any remaining trapped air

REGULATOR ADJUSTMENT

REGULATORS COME PRESET FROM THE FACTORY.



LOW PRESSURE HIGH PRESSURE

The SEMI has two regulators that control its cycling pressure and its chamber pressure. These are located on the side of the airgun behind the fill nipple.

High-pressure regulator controls the pressure used to propel the projectile.

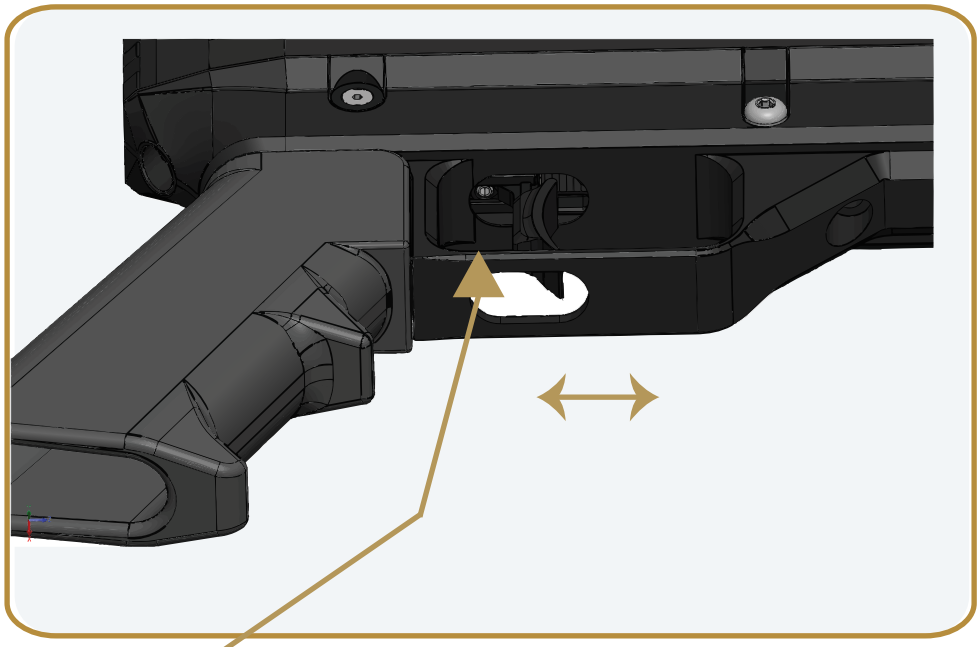
The low-pressure regulator controls the pressure of the pneumatic cycling operations of the airgun. NOTE: if the low-pressure regulator is set a too high the gun will not be efficient.

The High-Pressure regulator of the SEMI will be increased or decreased depending upon the projectile & required velocity.

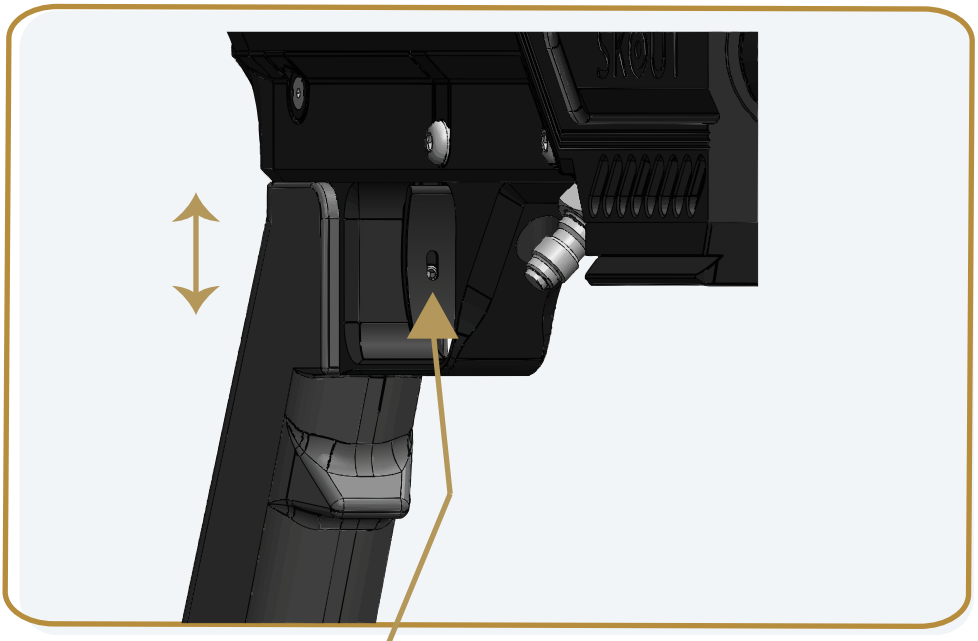
Adjustments:
Ensure the rifle is on “SAFE” with magazine removed.

Your air rifle has two regulators, but only one has a gauge. The low-pressure regulator controls the air pressure that drives the hammer and has no gauge, so you adjust it by feel. It typically runs between 220 and 140 psi. The high-pressure regulator sets the prssure in the firing chamber, which determines your muzzle velocity, and its guage lets you see the exact pressure. To tune the rifle, start by turning the low-pressure regulator down until the rifle cycles poorly and velocity drops. Then slowly increase it until the gun runs smoothly and you get a consistent velocity. Finally, adjust the high-pressure regulator to reach your target velocity.

The adjustments for high and low pressure regulators are made with a 3/32 allen key. Turn counter clockwise to increase pressure and clockwise to reduce pressure.



The trigger longitudinal adjustment



The trigger height adjustment

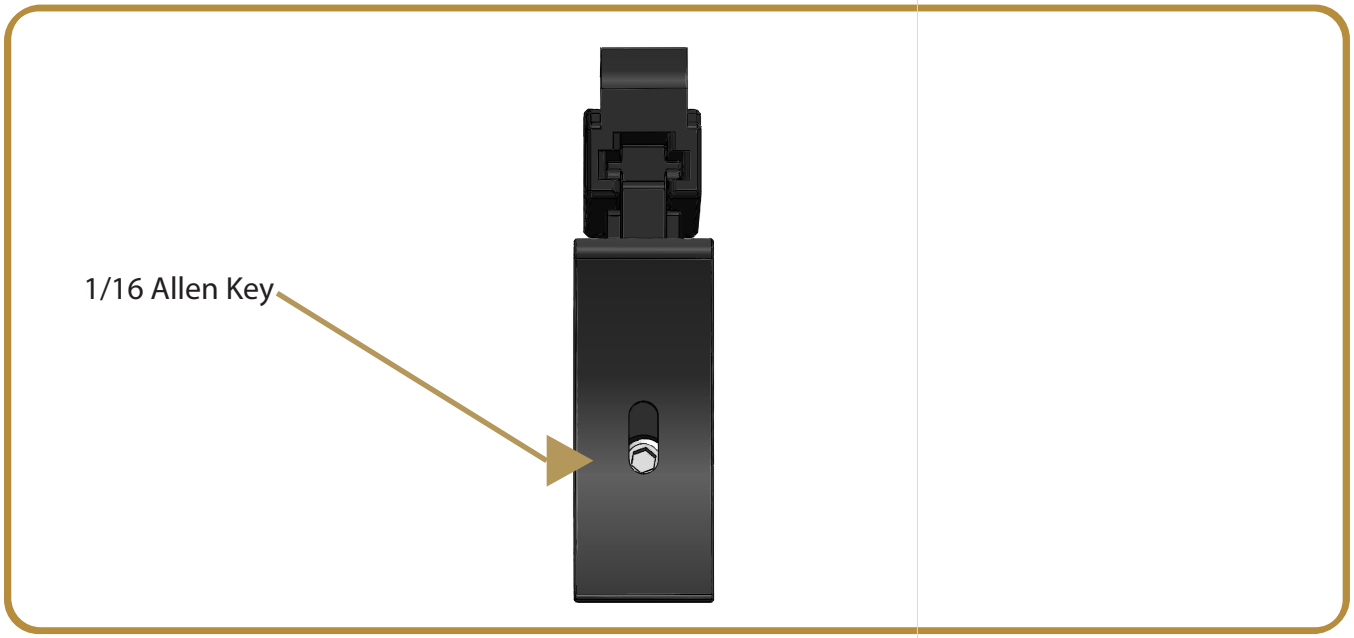
TRIGGER ADJUSTMENT

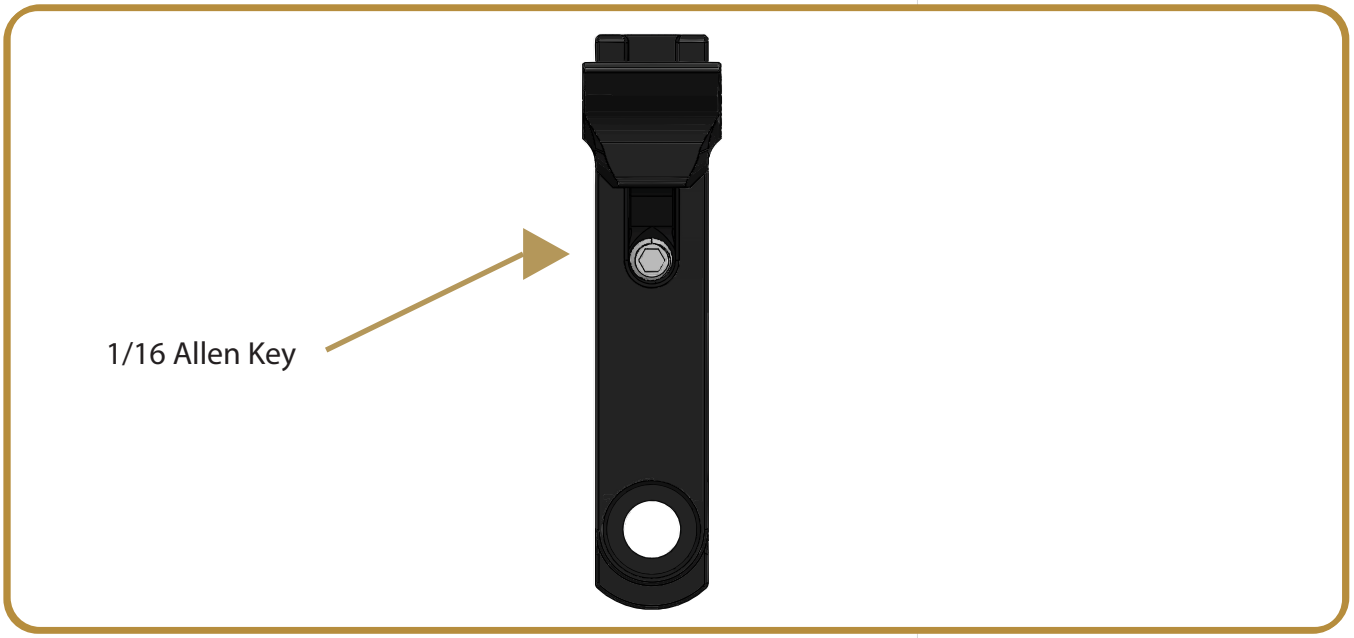
The SEMI has an extremely short and lightweight competition trigger pull which should always be handled with care. Any bumps or impacts while the gun is in the Fire Condition may result in an accidental discharge. The airgun should only be put into Fire Condition when it is ready to be fired in a safe direction.

BEFORE MAKING TRIGGER ADJUSTMENTS MAKE SURE
GUN IS DEGASSED AND IN SAFE CONDITION

The trigger can be adjusted by loosening the set screw in the face of the trigger and moving it up or down to the desired position.

The trigger's longitudianal position can be changed by loo sening the set screw and moving the trigger right or left to the desired position.





Contacting Skout:

Info@Skoutairguns.com

724-879-5204

Skout Tech
Tech@Skoutairguns.com

Skout Airguns
100 Station St
Loyalhanna PA 15661

SKOUT Airguns warranties the mechanical components of the SEMI air rifle for a period of 3 years from the date of origonal purchase.
During that three year period, SKOUT airguns warranties the mechanical components of the SEMI airgun against faulty workmanship and defective materials

Wear items, including but not limited to o-rings, burst disks, screws/hardware and gauges are not covered under this warrenty.
Warrenty coverage does not cover shipping costs

Proof of purchase is required