

# GOAT-15

.22 LONG RIFLE

**READ THESE INSTRUCTIONS  
AND WARNINGS IN THIS  
MANUAL CAREFULLY BEFORE  
USING THIS FIREARM.**



**OWNERS MANUAL**

# GOAT-15

.22 LONG RIFLE



---

2211 W 3000 S Suite D, Charleston, UT 84032  
1-435-800-5836  
[mtnbilly.com](http://mtnbilly.com)

---

Copyright © 2023 Mountain Billy Gun Lab LLC. All rights reserved.



# TABLE OF CONTENTS:

4-8	Warnings / Tips for safe handling
6	Location of Serial #
7	Location of Components
8	Patented Safety Operation
12-13	Unloading
14-16	Disassembly for Cleaning
17	Bolt and Disassembly
18-19	Cleaning
20-21	Loading
22	Principles of Operation
23	Troubleshooting
24-31	MagPul Addendum
32-33	Warranty

KEEP THIS MANUAL WITH YOUR FIREARM,  
IF YOU SELL THE FIREARM, GIVE THIS  
MANUAL TO THE NEW OWNER.

**Always practice safe firearms handling**



# READ THIS FIRST!

Throughout this manual you will find WARNINGS, CAUTIONS, and NOTICES printed in bold print. All WARNINGS, CAUTIONS, and NOTICES must be read carefully and followed completely. WARNINGS indicate a situation, which, if not avoided, could result in death or serious injury. CAUTIONS indicate a situation, which, if not avoided, could result in minor or moderate injury. NOTICES indicate a situation that could result in damage to the firearm or other property.

**WARNING: IT IS YOUR RESPONSIBILITY TO ASSURE THAT YOUR FIREARM IS HANDLED, FIRED, AND STORED SAFELY AND RESPONSIBLY AT ALL TIMES.**

You, the owner, are the most important safety device when it comes to the use of your firearm.

**Under no circumstances will Mountain Billy Gun Lab LLC be responsible for any injury, death, or property damage that results from:**

1. A disregard of the safety guidelines and warnings;
2. The criminal or negligent use of the firearm;
3. Improper or careless handling of the firearm;
4. Improper or negligent modifications or repairs to the firearm; and/or
5. The use of non-standard, defective, improper, or reloaded ammunition.

Follow all safety precautions and instructions, including all universal safety rules for firearms. Be sure you understand all instructions and hazards associated with firearms before using this firearm.



# WARNING

## UNIVERSAL RULES FOR SAFE GUN HANDLING:

1. Treat every firearm as if it were loaded at all times.
2. Always keep the firearm pointed in a safe direction.
3. Do not load the weapon until ready to use.
4. Keep your finger off the trigger until ready to shoot.

**WARNING: IF THIS FIREARM IS CARELESSLY OR IMPROPERLY HANDLED, UNINTENTIONAL DISCHARGE MAY RESULT AND COULD CAUSE INJURY, DEATH, OR DAMAGE TO PROPERTY.**

## WARNING:

Use only high quality, commercial ammunition that has been kept clean and dry, and is in good condition. Do not use remanufactured or hand- loaded ammunition due to risk of improper loading which can damage the rifle and injure you or others. Use of improper ammunition will void your warranty.

You, the owner, are the most important safety device when it comes to the use of your firearm.

If you do not understand any part of this manual or are unsure about the operation of your firearm, please contact Mountain Billy Gun Lab LLC before proceeding.

Mountain Billy Gun Lab LLC  
1-435-800-5836  
2211 W 3000 S, Charleston, Utah 84032



# WARNING CONT.

**WARNING: YOU MUST FOLLOW ALL OF THESE SAFETY RULES TO ENSURE THE SAFE USE OF YOUR FIREARM. THE FAILURE TO FOLLOW THE INSTRUCTIONS AND WARNINGS IN THIS MANUAL COULD CAUSE SERIOUS PERSONAL INJURY OR DEATH TO YOU OR OTHERS AND DAMAGE TO PROPERTY.**

- To avoid accidental firing, BE SURE WEAPON IS CLEAR. Failure to do so could result in serious injury or death.
- Verify the barrel is clear of obstructions before loading and firing. Completely unload the firearm and check the barrel for any obstructions or debris. Never let water, snow, mud, or other materials enter the barrel. Excess lubricants or grease can dangerously increase pressure and may cause barrel to burst when firing. If the barrel is obstructed, remove all ammunition and clean the barrel immediately.
- Every firearm is designed to use a certain gauge or caliber of ammunition. Never use the wrong ammunition, or non-standard, remanufactured or “handloaded” ammunition. Always read and follow the instructions on the ammunition box.
- Be sure of your target and the surrounding area. Never fire unless you know exactly where your shot is going, and what it will strike. Make sure the shot has a safe back stop, such as a hillside or sand berm. Bullets can ricochet on surfaces such as water. Do not fire into the sky.



# WARNING CONT.

- Safely store and secure your firearm and ammunition separately. Store your firearm and ammunition so that they are not accessible to children or unauthorized persons. Evaluate your personal situation to be sure children and unauthorized persons cannot access your firearm.
- You are responsible for your firearm at all times. You must protect yourself and others against injury or death from misuse of a firearm.
- Always wear appropriate eye and ear protection while shooting and cleaning a firearm. Be sure others in the vicinity have protection as well.
- Never use drugs or alcohol before or during use of the firearm or when cleaning or otherwise handling the firearm. Never use your firearm if you are taking any medication which impairs, even slightly, your mental or physical ability.
- Obey all laws regarding the storage, security, transportation, and carrying of firearms. You must be familiar with all local, state, and federal laws regarding the safe use, storage and/or transportation of your firearm.
- Discharging firearms, cleaning the firearm, and the handling of ammunition in poorly ventilated areas may result in exposure to lead and other substances known to cause birth defects, reproductive harm, cancer, and other physical injury. Wash hands thoroughly after exposure. Read the warnings and labels on all ammunition and cleaning products carefully.
- If your firearm fails to fire when the trigger is pulled, handle with care. Keep the firearm pointed in a safe direction. Keeping your face away from the breach, put the safety on. Unload your firearm and dispose of the ammunition safely.



# WARNING CONT.

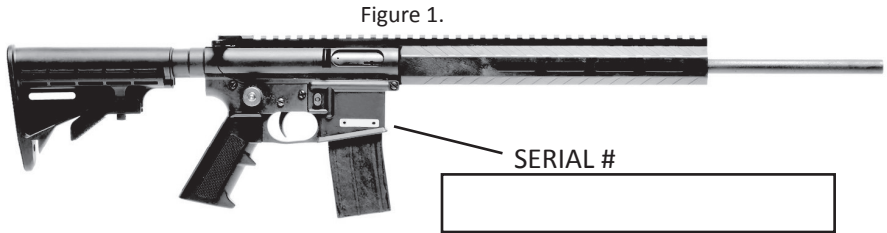
- Never alter or modify your firearm. Never disassemble your firearm beyond what is outlined in this manual. Improper manipulation of any internal components and/or improper disassembly or reassembly may be dangerous and may lead to serious injury or death. Do not try to change your firearm's trigger pull, because alterations might cause accidental firing. Only a qualified gunsmith should service, repair, or modify your firearm in any way.
- Be sure all accessories are compatible with your firearm. Accessories must not interfere with the safe operation of your firearm.
- Never allow your firearm to be used by an individual who does not understand its safe operation or has not read these firearm safety guidelines.
- The safe use of your firearm is your personal responsibility. You, the owner, are the most important safety device when it comes to the use of your Firearm.

**WARNING: IN CASE OF MALFUNCTION, PLACE THE WEAPON DOWN AND STOP! SECURE THE FIREARM AND UNLOAD ALL AMMUNITION. REVIEW THIS MANUAL TO IDENTIFY AND RESOLVE THE PROBLEM. IF YOU CANNOT RESOLVE THE PROBLEM, CONTACT MOUNTAIN BILLY GUN LAB LLC**





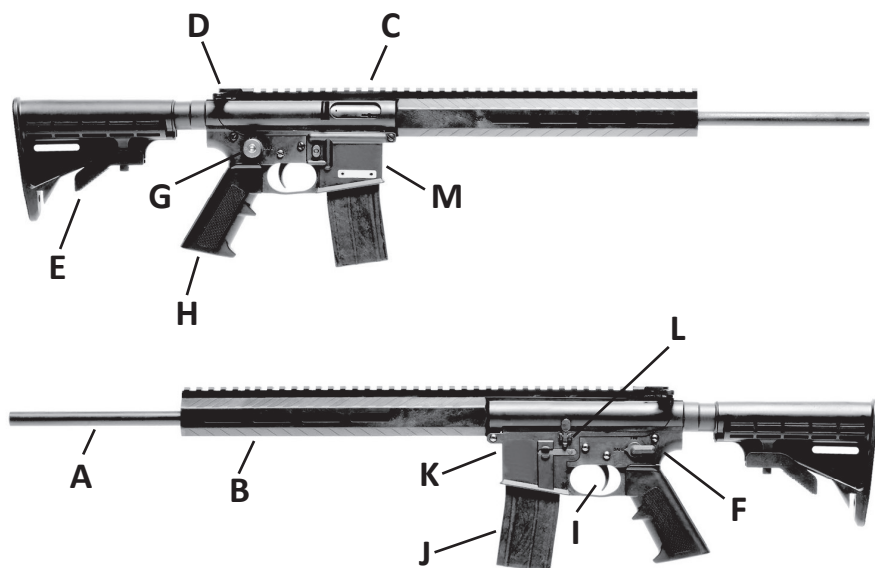
# LOCATION OF SERIAL#



The serial number is located on the right-hand side of the firearm, forward of the trigger on the magazine well (see Figure 1 above). Please record this number and keep it in a secure place.



# LOCATION OF COMPONENTS



- |   |                                 |
|---|---------------------------------|
| A | Barrel                          |
| B | Forearm Hand Guard              |
| C | Upper Receiver w/Picatinny Rail |
| D | Charging handle                 |
| E | position Collapsible Buttstock  |
| F | Safety Selector                 |
| G | Tamper Resistant Cap            |
| H | Grip                            |
| I | Trigger                         |
| J | Magazine                        |
| K | Lower Receiver                  |
| L | Bolt Catch                      |
| M | Magazine release                |



# SAFETY OPERATION

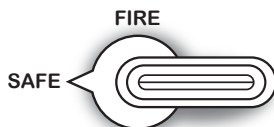
## MBGL GOAT-15 PATENTED TAMPER RESISTANT SAFETY

Our tamper resistant safety when engaged requires strength and dexterity to disengage. Please follow the directions below to make use of this feature.

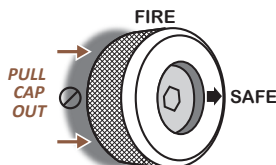



Please follow steps 1-4 to put the GOAT-15 into a tamper resistant state.

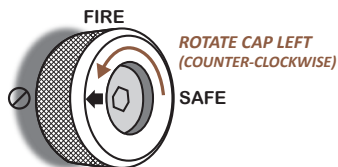
- STEP 1** Turn Safety Selector (F) to "safe" position



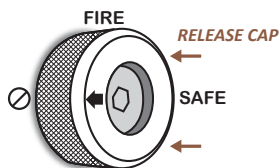
- STEP 2** Pull Tamper Resistant Cap (G) out away from surface of rifle.



- STEP 3** Rotate Tamper Resistant Cap (G) 180 degrees left until indicator arrow aligns with the  symbol.



- STEP 4** Release Tamper Resistant Cap to reseat Cap against rifle surface. Tamper resistant mode is now achieved. Always verify by checking that the Safety Selector (F) is in SAFE mode and inoperable.



Release tamper resistant mode by repeating instructions 1-4, except on Step 3, you will align the Tamper Resistant Cap (G) indicator arrow with "SAFE".



# UNLOADING FIREARM

Perform this operation prior to performing any cleaning or maintenance on the firearm.



Place the Safety Selector (F) lever on SAFE



Hold the grip (H) of the firearm while keeping your finger off the trigger. (1) Press the magazine release (M) button and (2) pull the magazine (J) down to remove.



# UNLOADING FIREARM



Unlock and pull the charging handle all the way out and press in on the lower portion of the bolt catch. Release charging handle. This locks the bolt in the open position.



Look into the receiver through the ejection port and verify that there are no cartridges in the chamber.



# DISASSEMBLY FOR CLEANING

**WARNING: ALWAYS VERIFY THAT THE FIREARM IS NOT LOADED BEFORE DISASSEMBLY, CLEANING, OR REASSEMBLY**

See “Unloading Firearm” on pg. 12. Once the firearm has been unloaded, push the bolt catch lever and allow the bolt carrier to move forward.

**WARNING: ALWAYS WEAR EYE PROTECTION WHEN DISASSEMBLING, CLEANING, OR ASSEMBLING YOUR FIREARM. PAY SPECIFIC ATTENTION TO THE BOLT RETURN SPRING, WHICH IS UNDER HIGH COMPRESSION.**



# DISASSEMBLY FOR CLEANING

Remove the 5/64 Allen screw using a flathead screwdriver on the opposite side then push in the takedown pin (A), located above and to the rear of the safety lever on the left-hand side of the lower receiver.



You may then pull the pin from the right side of the receiver.





# DISASSEMBLY FOR CLEANING

Grasp the rear of the upper receiver and pull up, allowing it to pivot on the front pin. This will expose the fire control group.



Unlatch the charging handle and pull it back, this will extract the bolt.

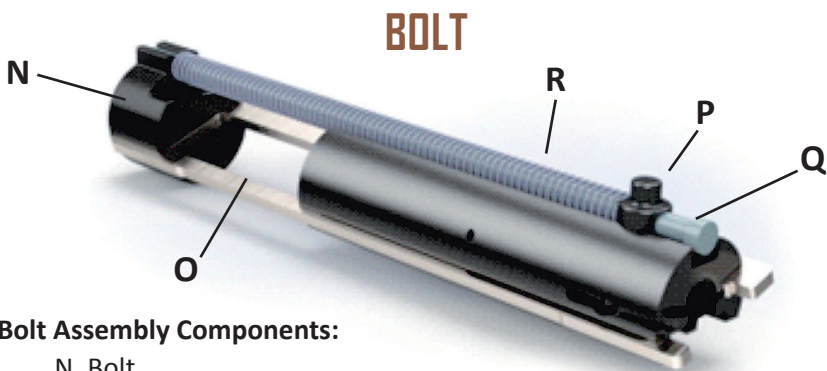


Pull the bolt straight back until it is free of the charging handle and upper. Pull the charging handle back until it comes out.





# DISASSEMBLY FOR CLEANING



## Bolt Assembly Components:

N. Bolt

O. Bolt Guide Rail

P. Bolt Guide Bushing

Q. Bolt Guide Rod

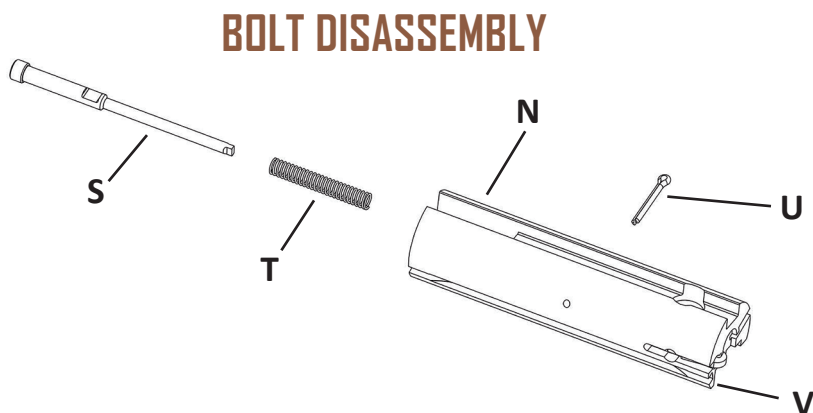
R. Bolt Return Spring

S. Firing Pin

T. Firing Pin Spring

U. Firing Pin Retaining Pin

V. Extractor



Lift up on the bolt guide bushing and remove the bolt from the bolt guide rail. Remove the firing pin retaining pin from the bolt. The firing pin and firing pin spring can be removed from the rear of the bolt. No further disassembly is required for routine maintenance.



# CLEANING

Before any cleaning or disassembly, always make sure the rifle is unloaded. See “Unloading Rifle” on page 12 of this manual.

**WARNING: RISK OF SERIOUS INJURY OR DEATH.  
ALWAYS POINT THE FIREARM IN A SAFE DIRECTION.**

**NOTICE:** Some cleaning solutions and solvents may damage your firearm. Use a cleaning solution that is designed for use on firearms.

**NOTICE:** Do not allow cleaning rods to scratch the Inside of the barrel or chamber. Commercial firearm cleaning kits are available from Mountain Billy Gun Lab LLC, or your local firearms retailer. Follow the instructions included with the cleaning kit. **Clean the firearm before the first use to remove excess oil.**

**CLEANING THE BARREL:** Remove the magazine and verify that the firearm is not loaded, and safety is on SAFE. Clean the barrel with a cotton patch attached to a cleaning rod. Moisten the patch with cleaning solution. Repeat with clean patches until patch stays clean. Apply cleaning solvent to a bronze bore brush to help loosen particles inside the barrel.

After cleaning, run a dry patch through the barrel and then follow with a lightly oiled patch.

**CLEANING THE CHAMBER:** Remove the magazine and verify that the firearm is not loaded (see page 12), and safety is on SAFE. Clean the chamber with a chamber cleaning brush, and a bore solvent or CLP. Move the brush through the chamber several times to scrub the inside of the chamber. Use a clean patch to wipe the chamber after cleaning.

Repeat with clean patches until patch stays clean. After cleaning, run a dry patch through the chamber. **Do not lubricate the chamber.**



# CLEANING CONT.

**CLEANING THE BOLT:** Remove the magazine and verify that the firearm is not loaded (see page 12), and safety is on SAFE. Disassemble the bolt assembly. Clean with CLP or a suitable solvent. Be sure to remove excess oil from the bolt assembly before reassembly, do not lubricate the inside of the carrier. Lubricate the exterior of carrier only if operating in non-dry conditions.

**CLEANING THE EXTERIOR:** Remove the magazine and verify that the firearm is not loaded (see page 12), and safety is on SAFE. Wipe all plastic surfaces with a clean cloth.



# LOADING

**WARNING: NEVER PUT YOUR HAND IN FRONT OF THE MUZZLE.**

**WARNING: ALWAYS LOAD A ROUND INTO THE CHAMBER BY FEEDING IT FROM THE MAGAZINE**

**WARNING: ALWAYS WEAR EYE AND HEARING PROTECTION. MAKE SURE THAT BYSTANDERS ALSO WEAR EYE AND HEARING PROTECTION.**

**WARNING: ALWAYS KEEP THE SAFETY IN THE "SAFE" POSITION UNTIL YOU ARE READY TO FIRE THE FIREARM.**

**WARNING: ALWAYS MAKE SURE THE GUN IS POINTED IN A SAFE DIRECTION.**



1. Make sure the gun is pointed in a safe direction and that the safety selector is in the "safe" position



# LOADING CONT.



2. Pull the charging handle to the rear and check to see if the chamber is clear and the firearm is unloaded.



3. Insert loaded magazine into receiver. Give a sharp slap to the bottom of the magazine to ensure it is seated.

- The magazine can be inserted with the bolt open or closed.
- If the bolt is open, press the top of the bolt release button to close the bolt and chamber a cartridge.
- If the bolt is closed, pull the charging handle completely to the rear and let it go thus chambering a cartridge.
- Do not allow your hand to “ride” the charging handle, as this may cause misfeeds.



4. Always keep your finger off the trigger unless ready to fire.



# PRINCIPLES OF OPERATION

## **WARNING: MAGAZINE MAY BE LOADED WITH BOLT ASSEMBLY OPEN OR CLOSED.**

1. Place selector on SAFE and make sure rifle is pointed in a safe direction
2. Insert loaded cartridge magazine in magazine well and chamber a cartridge.
3. Face the target, unlock the tamper resistant safety mechanism and move the selector lever from SAFE to FIRE and place the rifle to your shoulder.
4. Align the front and rear sight with the target and squeeze the trigger.
5. Squeezing the trigger releases the firing pin and allows it to impact the primer on the cartridge.
6. The primer ignites the propellant in the cartridge.
7. Gas from the burning propellant pushes the projectile along the barrel of the rifle.
8. The rifling in the barrel causes the projectile to rotate, which provides stability during flight to the target.
9. The energy from the bullet forces the bolt to travel rearward. The bolt extractor pulls the spent cartridge from the chamber as the bolt travels back, and the ejector on the bolt rails throws the spent case out through the ejection port in the upper receiver.
10. The rearward moving bolt carrier re-cocks the hammer and compresses the action spring. The compressed spring then pushes the bolt back towards the barrel. As the bolt assembly moves forward, the bottom of the assembly strips a fresh cartridge from the magazine and pushes it into the chamber.



# TROUBLESHOOTING

If a cartridge jams or hangs up while moving into the chamber, do not attempt to force the cartridge into the chamber.

## IF YOUR FIREARM MISFIRES OR JAMS:

Remove your finger from the trigger area, point the firearm in a safe direction and wait 10-15 seconds.

1. Place the safety selector lever on SAFE.
2. Press the magazine release button and pull the magazine down to remove.
3. Unlock and pull the charging handle all the way out and press in on the lower portion of the bolt catch. Release the charging handle. This locks the bolt in the open position.
4. Look into the receiver and verify that there are no cartridges in the chamber.
5. If a cartridge cannot be removed, safely store the firearm, and take it to a qualified gunsmith for inspection.

**WARNING: IN CASE OF MALFUNCTION, PLACE THE WEAPON DOWN AND STOP! SECURE THE FIREARM AND UNLOAD ALL AMMUNITION. REVIEW THIS MANUAL TO IDENTIFY AND RESOLVE THE PROBLEM. IF YOU CANNOT RESOLVE THE PROBLEM, CONTACT MOUNTAIN BILLY GUN LAB LLC**



# ACCESSORY RAILS

## ADDENDUM: MAGPUL® M-LOK® ACCESSORY RAILS

Look for the M-LOK logo that designates genuine M-LOK system components

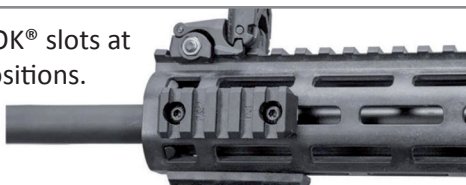


### The MagPul® M-LOK® Accessory Rail System

The versatility of the MagPul® M-LOK® system lies in accommodating various thicknesses of mounting surfaces and the adjustments that allow this functionality, the tips below will help the user to have the best possible results in the fastest possible time.

The GOAT-15 has M-LOK® slots at 3:00, 6:00 and 9:00 positions.

FIGURE B2



Your MagPul® M-LOK® accessory may arrive with nuts and nylon patched (thread lock material) screws installed or with the nuts and screws loose with the accessory you have purchased. If the screws are loose, simply thread the nuts onto the screws through the accessory rail as shown (FIGURE B3).

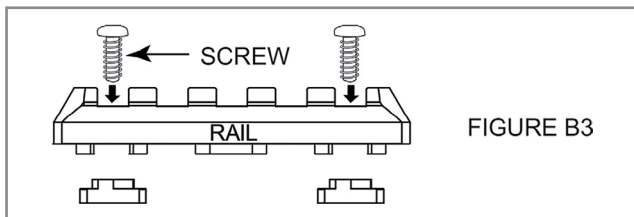


FIGURE B3





# ACCESSORY RAILS CONT.

The nylon patch may seem “stiff” for the first installation of the new screws into the T-Nuts. Use a 7mm wrench to hold the T-Nut and to thread it onto the screw, then backing it off to the appropriate clearance adjustment will “break in” the nylon patch, and subsequent use will be easy.

The nylon patch on the screws aids function by providing friction to turn the nuts. If you remove and replace the accessory numerous times, the nylon patch may eventually wear. You also may receive an after-market accessory without the patch on the screws. If the nut is not turning appropriately, the patch effect may be restored with either Rockett™ or Loctite™ blue thread-locker stick. If the screws come without the patch, one of the above products is recommended for best function and durability.

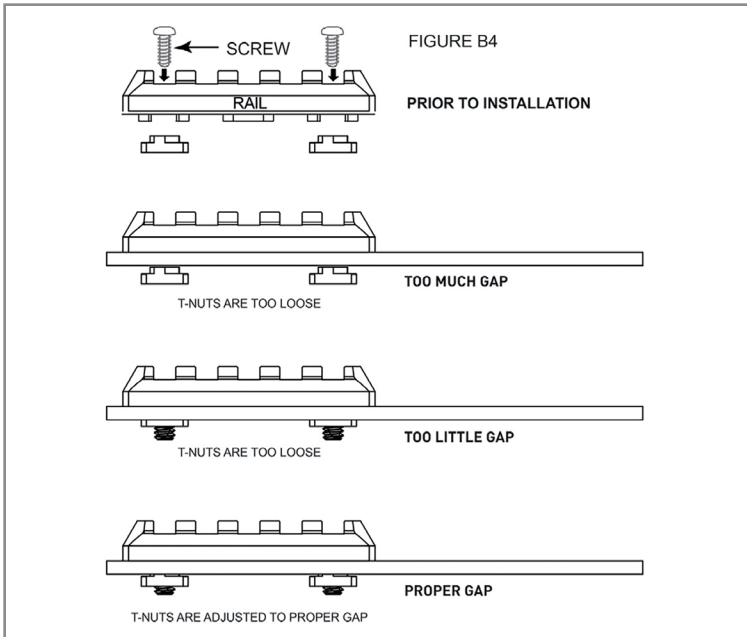
## ADJUSTING THE NUT TO THE CORRECT HEIGHT

For best function, the T-Nut “gap” must be slightly greater than the thickness of the mounting surface (see FIGURE B4). This can be done by measuring the mounting surface thickness directly or using the edge of the mounting surface as a gauge. For most aluminum mounting surfaces setting the nuts as depicted below, with the highest edge of the T-Nut even with the bottom edge of the recoil lug, will provide correct function. Some thicker rails or polymer rails may require the nuts to be looser with a one or two thread(s) gap between the nuts and recoil lugs.

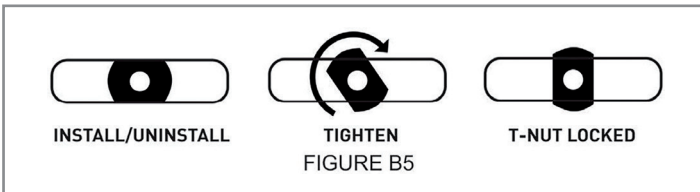
Some accessories may arrive preset to the condition shown in the illustration for easy installation on aluminum hand guards. Remember to loosen the nuts a bit for installation on polymer handguards.



# ACCESSORY RAILS CONT.



Apply some downward force on the hex wrench to make sure that the screw is seated, and then tighten (FIGURE B5).

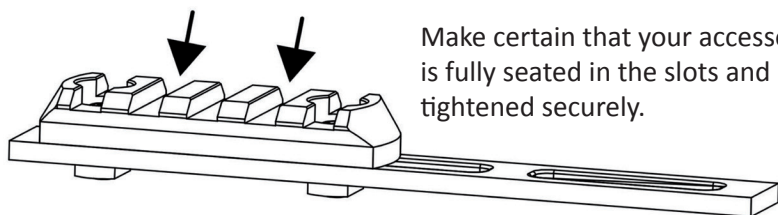


## ENSURE THAT THE ACCESSORY IS FULLY SEATED INTO A SLOT AND TIGHTENED INTO POSITION WHEN MOUNTING

The bottom of the accessory should sit flush with the mounting alignment surface. If it doesn't then slide the accessory fore-aft until it drops fully into the slot with the lugs engaged (FIGURE B6).



# ACCESSORY RAILS CONT.



Make certain that your accessory is fully seated in the slots and tightened securely.

FIGURE B6

For maximum repeatability, “bias” the accessory before fully tightening. By bias we mean settle the accessory toward the front where recoil won’t give the accessory a “running start” to move when firing.

To bias the accessory, apply just enough lateral pressure (down and forward) to the accessory to make solid contact with one side and the front (towards muzzle) of the slot, like when installing a Picatinny rail accessory. Then tighten all fasteners to the recommended torque spec. This step is not necessary, but aids repeatability.

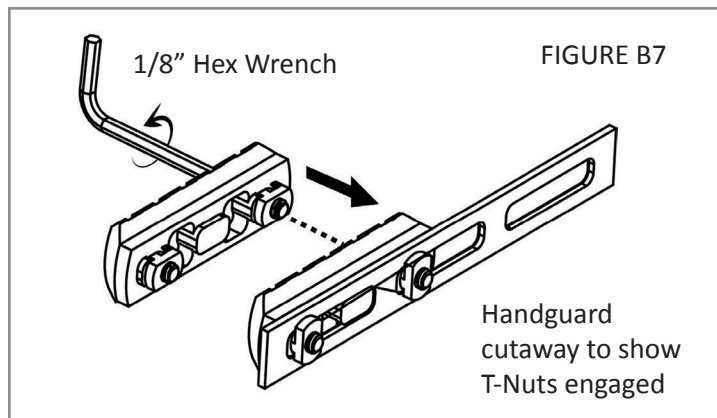
**WARNING: AN ACCESSORY WHICH IS NOT SECURELY MOUNTED MAY BECOME DETACHED UPON RECOIL OF THE FIREARM. IF IT BECOMES DETACHED IT MAY FLY BACK AND STRIKE THE SHOOTER OR A BYSTANDER AND CAUSE INJURY. OBSERVE THE CONDITION OF ALL THE MOUNTING SCREWS AFTER FIRING. IF THE MOUNTING SCREWS SHOW SIGNS OF LOOSENING DO NOT FIRE THE FIREARM AGAIN; TAKE IT TO A QUALIFIED GUNSMITH FOR ASSISTANCE.**

## ENSURE THAT THE NUT ROTATES THE FULL 90 DEGREES INTO THE LOCKED POSITION

If you have adjusted the nuts appropriately, they should rotate into perfect 90-degree alignment with a 1/4 turn of the screw, once it is aligned, the screw draws the nut against the interior of the hand-guard (FIGURE B7).



# ACCESSORY RAILS CONT.



## IF THE T-NUTS ARE NOT ROTATING PROPERLY:

When nuts are spaced too loosely (where they do not contact the interior handguard surface - then the nut will rotate freely without stopping and tightening. In this case the nut will have to be screwed in closer to the bottom of the accessory. Simply remove the accessory from the slot and screw the nut on one full turn. Repeat as necessary so that the cam engages the slot when the screw is tightened.

If the nut is spaced too close to the accessory, then the "wings" of the nut will contact the sides of the slot and the nut will not rotate into place. This will cause the nut to tighten against the accessory lugs without engaging the hand guard.

In this case the nut should be unscrewed until it is spaced far

enough away from the lugs to allow it to rotate properly into position. Unscrew the nut one turn at a time and retest function.

*NOTE: It is best to observe the T-Nut rotating into locked position, if possible, to be certain that it turns 90 degrees into place and stays there during tightening.*

Most handguards or other mounting surfaces have holes or vents that can be seen through to confirm that the M-LOK® T-Nuts are properly engaged with the slot and are perpendicular to the slot orientation.

If the nut won't rotate, or it rotates too freely to engage the hand-guard, you may need to hold or turn the nut with a 7mm open-end wrench (FIGURE B8).



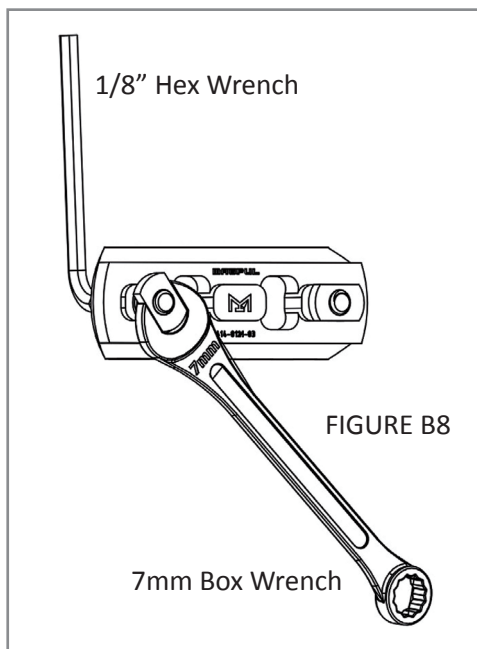
# ACCESSORY RAILS CONT.

## THE MAGPUL® M-LOK® SYSTEM TORQUE SPECS

- For attaching polymer accessories to metal hand guards: 15 in/lbs.
- For attaching polymer or metal accessories to polymer hand guards: 15 in/lbs.
- For attaching metal accessories to metal hand guards: 35 in/lbs.

The installation torque values are not minimums, they are recommended limits. The nylon patch compound (thread lock) may slightly affect the torque reading if using an in/lb torque wrench.

Using a small hex wrench should prevent over-tightening. Remember that the recoil lugs are doing most of the work, and excessive torque on the nuts is not required.



**WARNING: APPLYING EXCESSIVE TORQUE TO THE ACCESSORY RAILS AND HAND GUARDS MAY CAUSE DAMAGE TO THEM RESULTING IN AN INSECURE MOUNT.**

**A RAIL OR ACCESSORY WHICH IS NOT SECURELY MOUNTED MAY BECOME DETACHED UPON RECOIL OF THE FIREARM. IF IT BECOMES DETACHED IT MAY FLY BACK AND STRIKE THE SHOOTER OR A BYSTANDER AND CAUSE INJURY. OBSERVE THE CONDITION OF ALL THE RAIL COMPONENTS BEFORE FIRING. IF ANY PART OF THE MOUNT SHOWS SIGNS OF BEING LOOSE, DO NOT FIRE THE FIREARM AGAIN; TAKE IT TO A QUALIFIED GUNSMITH FOR ASSISTANCE.**



# ACCESSORY RAILS REMOVAL

To remove, simply loosen the accessory mounting screws one full turn and the T-Nuts should loosen and align with the slot to be easily removed.

If the T-Nuts snag when passing through the slot, simply pull up gently on the accessory and continue to loosen the screw another 1/4 to 1/2 turn, which should align the T-Nuts with the slot.

On some polymer mounting surfaces, the T-Nuts may embed slightly into the polymer surface when tightened.

When removing from polymer surfaces, easiest function is obtained by loosening 1/2 turn or so and then pressing down on the head of the screw with the hex wrench. This will free the T-Nut if it has been over tightened, and you may remove normally after this step.

If you go too far in loosening before removing the accessory, the T-Nuts may have loosened past the slot to the point that they will not engage and are spinning freely. Turn screw to align, then remove accessory.

**IF YOU DON'T HAVE A TORQUE WRENCH THAT MEASURES IN/ LB, HERE ARE SOME TORQUE GUIDELINES:**

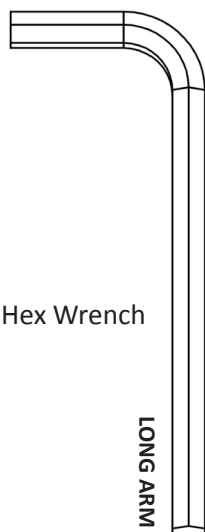
**35 in-lb using the long arm of an L-shaped hex wrench (FIGURE B9) with short end of hex wrench in the screw head.**

**Standard 2 5/16" hex wrench**

- Apply 15 lb to the end of the wrench
- Approximately 1/4" deflection at the end of the wrench.

FIGURE B9

SHORT ARM



Hex Wrench

LONG ARM



# ACCESSORY RAILS REMOVAL

## **Long 3 13/32" hex wrench**

- Apply 9 lb. to the end of the wrench
- Approximately 1/2" deflection and the end of the wrench.

**15 in-lb using the long arm of an L-shaped hex wrench (with short end of hex wrench in the screw head).**

## **Standard 2 5/16" hex wrench**

- Apply 6 1/2 lb to the end of the wrench
- Approximately 3/16" deflection at the end of the wrench.

## **Long 3 13/32" hex wrench**

- Apply 4 lb to the end of the wrench
- Approximately 1/4" deflection and the end of the wrench.

**15 in-lb using the short arm of an L-shaped hex wrench (with the long end of the hex wrench in the screw head).**

- Apply maximum force achievable by hand.

*All Rights Reserved. Magpul® holds a Trademark on all its product names and logos. The following products are trademarks of Magpul Industries Corporation, registered in the U.S. and other countries: Magpul, M-LOK.*



# LIMITED WARRANTY

Mountain Billy Gun Lab firearms are warranted to be free from defects in materials and workmanship to the initial retail purchaser for the lifetime of the firearm. Mountain Billy Gun Lab will repair or replace any such defect of which Mountain Billy Gun Lab is given written notice. The liability of Mountain Billy Gun Lab under this limited warranty shall be limited solely to the obligation to repair or replace the firearm. Whether to repair or replace the firearm is at Mountain Billy Gun Lab's sole discretion. Mountain Billy Gun Lab will pay transportation and insurance charges for return of the firearm to owner for a rightful warranty claim. This warranty is not transferable and applies to the original owner of the firearm. Modification of the firearm will void this warranty. This warranty does not cover normal wear and tear or any damage resulting from careless handling, abuse, neglect, unreasonable use, unauthorized repairs and adjustments, corrosion, and improper, substandard, or defective ammunition. All liability is excluded if the instructions in the Mountain Billy Gun Lab Safety and Instruction Manual are not observed. Mountain Billy Gun Lab will not be responsible for any damages resulting in whole or in part from criminal misuse, negligence, or use under the influence of drugs or alcohol.

To initiate a warranty claim, call Mountain Billy Gun Lab Customer Service at 435-800-5836. Monday – Friday 9:00 am – 5:00 pm EST. Warranty claims need to state in an email to [sam@mtnbilly.com](mailto:sam@mtnbilly.com) the model and serial number of the firearm concerned., a description of the difficulty experienced, and include the original receipt with date of purchase. The firearm concerned will be shipped to an address provided by the customer service team. FIREARMS MUST BE SHIPPED UNLOADED. Do not ship any ammunition.

It is important that the owner of the firearm complies with federal, state, and local laws and regulations when shipping the firearm. The owner should consult appropriate authorities regarding any restrictive laws in his or her jurisdiction regarding the shipment and receipt of firearms. The owner should insure firearm shipment.





# LIMITED WARRANTY

Mountain Billy Gun Lab will not be responsible for loss or damage in transit. Mountain Billy Gun Lab will pay shipping and insurance charges for the return of a firearm to its owner if the related claim is a proper claim for warranty work.

**UNDER NO CIRCUMSTANCES SHALL MOUNTAIN BILLY GUN LAB BE RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES WITH RESPECT TO ECONOMIC LOSS, INJURY, DEATH, OR PROPERTY DAMAGE, WHETHER THE RESULT OF BREACH OF AN EXPRESS OR IMPLIED WARRANTY, NEGLIGENCE, OR OTHERWISE.**

Any implied warranties are limited to the life of this Limited Warranty. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. Some States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

This Limited Warranty gives you specific legal rights, and you may also have other rights which vary from State to State.



# NOTES





# GOAT-15

.22 LONG RIFLE



---

2211 W 3000 S Suite D, Charleston, UT 84032  
1-435-800-5836  
[mtnbilly.com](http://mtnbilly.com)

---

Copyright © 2023 Mountain Billy Gun Lab LLC. All rights reserved.

