

TABLE OF CONTENTS

- 1 **USE OF THIS MANUAL**
- 2 **SAFETY GUIDELINES**
- 4 **WARRANTY AND SERVICE**
- 5 **CONTENTS**
- 7 **INSTRUCTIONS**

USE OF THIS MANUAL

Read this manual before you use or manipulate your Barrett product. It is important that you understand the principles of safe gun handling in general and the features of this product. This manual is not a substitute for training from a qualified instructor. Important safety topics are discussed in this chapter and throughout this manual. This manual should remain with the product and it should be transferred with the product to subsequent owners. Additional manuals can be ordered from Barrett Firearms Manufacturing or can be downloaded from the company website, **barrett.net**. Technical specifications are subject to change without notice. Please ensure you have the most updated revision of this manual by checking **barrett.net**. The revision letter can be found on the back of this manual.

SAFETY GUIDELINES



**FAILURE TO FOLLOW SAFETY GUIDELINES
MAY CAUSE INJURY OR DEATH**

AMMUNITION

Do not use hand loaded, re-manufactured, or surplus ammunition. Always use new, clean, dry, properly stored, and correct caliber ammunition from reputable manufacturers.

SAFETY DISTANCE

Bullets fired from this rifle may travel as far as 4 miles. Make certain that you have an adequate backstop.

HEARING PROTECTION

Always wear adequate hearing protection when the rifle is firing; wear both earplugs and shooting muffs together for maximum protection. This includes observers. Observers should always be behind the shooter.

EYE PROTECTION

Appropriate eye protection should be worn when both shooting and maintaining your rifle. It is normal for firing to generate airborne dust and debris. Protect your eyes from solvents and uncaptured parts under spring pressure while performing maintenance on your rifle.

MUZZLE CONTROL

Always keep the muzzle pointed in a safe direction. Never allow your muzzle to point at anything that you do not intend to shoot. Upon firing

the muzzle brake releases high-pressure gas from its side ports that can damage objects or cause injuries, keep everything away from the vicinity of the muzzle brake.

ASSUME EVERY GUN IS LOADED

Always treat every gun as if it were loaded. Look and feel for an empty chamber. Do not trust the extractor to provide an empty chamber.

BEWARE OF BARREL OBSTRUCTIONS

Ensure the barrel's bore is free of obstructions before you fire your rifle. Even the smallest obstruction such as a stuck patch or even grease will cause increased pressures that can rupture the barrel.

KEEP YOUR FINGER OFF THE TRIGGER

Keep your finger off the trigger and out of the trigger guard until your sights are aligned on your target and you intend to fire.

KEEP YOUR SAFETY ON

Keep your safety on until your sights are aligned on your target and you intend to fire. Please note that the safety lever will not rotate into the "SAFE" position until the bolt is open or the action is cocked.

FAILURE TO FIRE

If your rifle fails to fire when you pull the trigger, do not pull the charging handle. Keep the rifle pointed toward a safe area and wait 2 minutes. If a hang-fire (slow ignition) has occurred, the round will probably fire within two minutes. If the round does not fire, remove and inspect the cartridge. If the primer is indented properly, discard it in a safe manner.

MAINTAIN YOUR RIFLE PROPERLY

Performing proper maintenance, as outlined in this manual, insures that your rifle will be safe to shoot and will perform to design specification for many years. Alterations, modifications or adjustments may damage your rifle, make it unsafe to fire and will void warranty claims.

STORE YOUR RIFLE SAFELY

It is your responsibility to take reasonable precaution to secure your rifle, keep it properly secured and prevent unauthorized use.

ALCOHOL, MEDICATIONS AND DRUGS

Do not handle or operate your rifle under the influence of alcohol, medication or drugs.

WARRANTY AND SERVICE

For one year from date of purchase, Barrett Firearms Manufacturing Inc. (BFMI), warrants to the original owner, that this product was manufactured free of defects in materials and workmanship. BFMI will correct any defect covered under the warranty by repair or replacement with the same or comparable model. BFMI will not be responsible for injury, death, or damage to property resulting from either intentional or accidental discharge of this firearm or from its function when used for purposes or subjected to treatment for which it was not designed. BFMI will not honor claims involving this product which result from careless or improper handling, unauthorized adjustment or parts replacement, corrosion, neglect, the use of the wrong caliber ammunition, or the use of other than commercially manufactured ammunition in good condition, or any combination thereof. Please visit **barrett.net** for any additional information.

If you need factory service, whether covered under warranty or not, please contact BFMI for instructions on how to have your rifle repaired.

Barrett Firearms Manufacturing Inc.
P.O. Box 1077
Murfreesboro, TN 37133-1077
615-896-2938

WARNING

Your MRAD barrel conversion kit was properly headspaced at the factory. *DO NOT INTERCHANGE BOLTS FROM OTHER BARRELS* Failure to follow safety guidelines may result in injury or death. Unload the rifle and remove the magazine before disassembly. Ensure that no live ammunition is present during disassembly or assembly.

Group A	Group B	Group C
.338 LM	.300 WIN MAG	.308 WIN
.338 NORMA	7MM REM MAG	.260 REM
.300 NORMA		6.5 CREEDMOOR

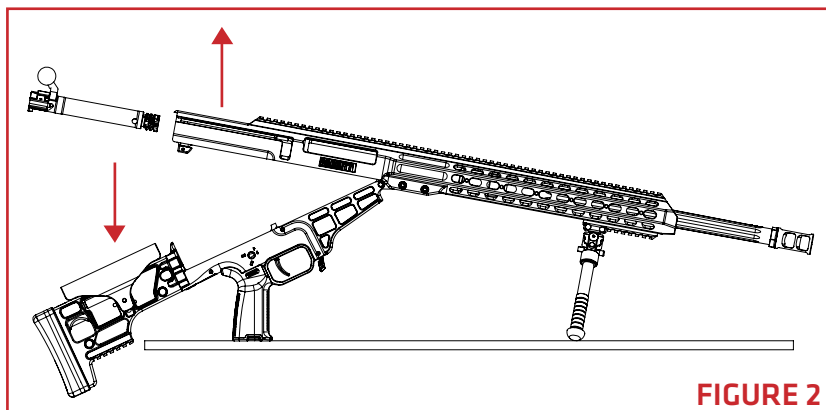
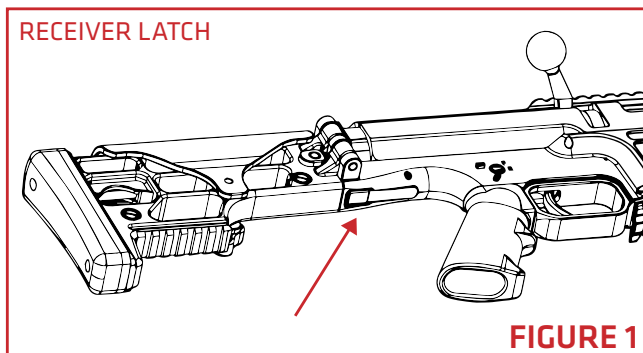
Given that barrel conversion kits may be purchased within the same letter group, each barrel and bolt are marked with serial numbers. Every barrel and bolt are paired at the factory. To avoid mismatching parts, please record your barrel and bolt numbers below and store this document for reference:

Barrel number: _____ Bolt number: _____

MRAD BARREL CONVERSION KIT INSTRUCTIONS

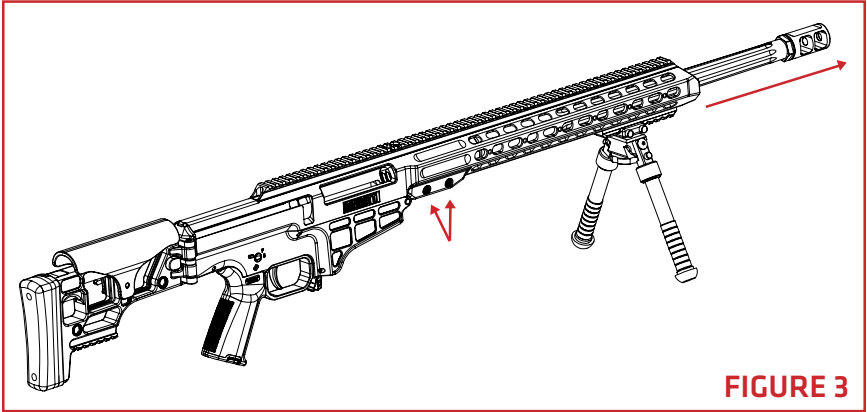
Visit barrett.net for installation videos for this product.

1. Lift the bolt handle then pull the bolt toward the rear of the rifle. The handle must be in the up position before the receivers can be unlatched. Depress and hold the receiver latch, located on the underside of the lower receiver just behind the pistol grip (**FIGURE 1**). Pivot lower receiver away from upper. Remove the bolt assembly from the upper receiver (**FIGURE 2**).

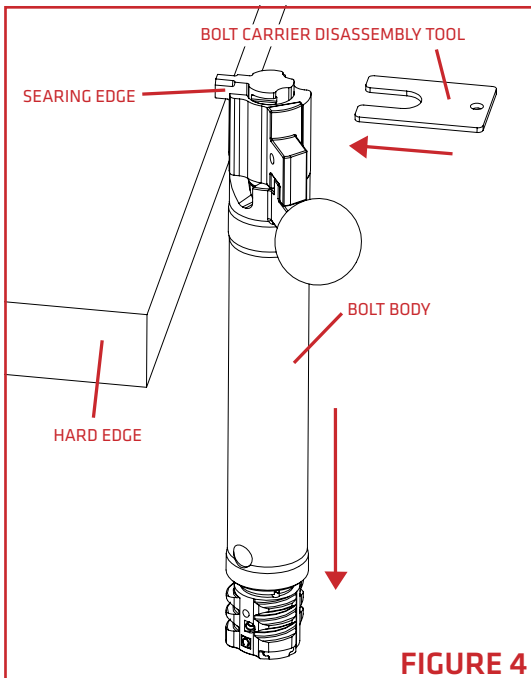


BARREL CONVERSION KIT

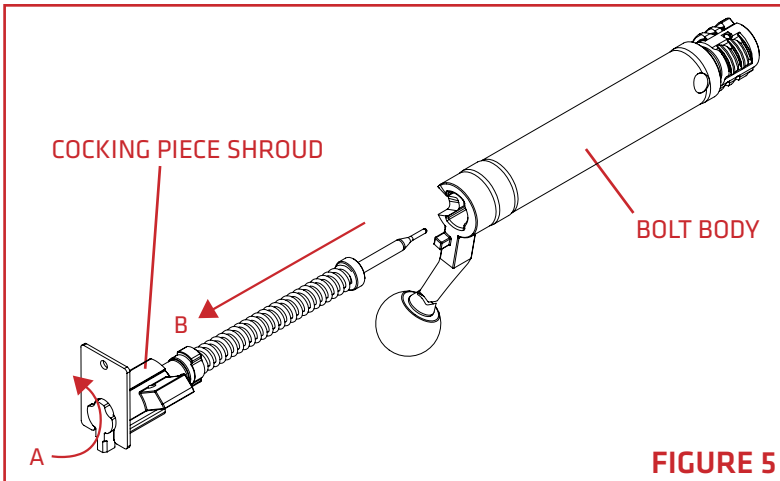
2. Loosen the two barrel screws using a T-30 Torx wrench and remove the barrel from the upper receiver (**FIGURE 3**).



3. With the searing edge firmly seated against a hard surface, pull downward on the bolt body to expose the two slots in the cocking piece (**FIGURE 4**).
4. Insert the bolt disassembly tool into the two slots to retain the cocking piece (**FIGURE 4**).



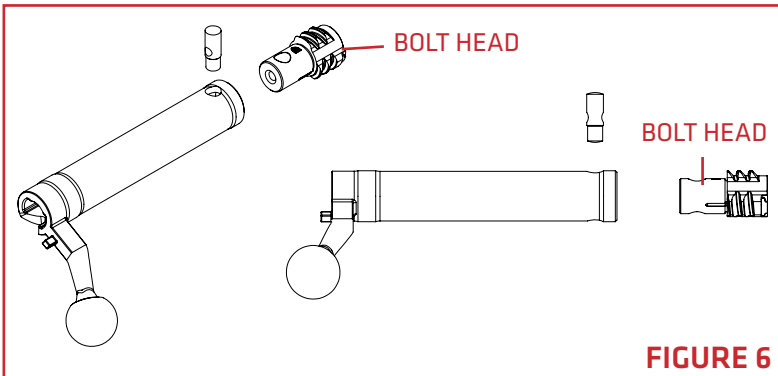
5. Carefully release the bolt body upward. Rotate the cocking piece shroud counter clockwise about 120 degrees and withdraw from the bolt body (**FIGURE 5**).



⚠ WARNING

DO NOT REMOVE THE BOLT DISASSEMBLY TOOL FROM THE COCKING PIECE WHILE THE FIRING PIN ASSEMBLY IS REMOVED FROM THE BOLT BODY. THE FIRING PIN SPRING IS UNDER HEAVY LOAD.

6. Using a punch or other pointed object, push the bolt pin out of the bolt body. Note that the bolt pin may only be removed or inserted from the top of the bolt body. Remove the bolt head from the bolt body.



BARREL CONVERSION KIT

7. Reassemble bolt using bolt head that was included with matching barrel in barrel conversion kit. Assembly is in the reverse order of its removal.
8. Reinstall bolt assembly into the upper receiver and close upper to lower, leaving bolt open.
9. Insert the barrel from conversion kit into the upper receiver with indexing slot oriented in the up position ensuring the indexing slot engages the indexing pin in the upper receiver as the barrel is fully seated.
10. Slide bolt assembly forward until the bolt head enters the barrel extension and lower handle to lock the bolt (**FIGURE 7**).
11. Slide bolt assembly forward until the bolt head enters the barrel extension and lower handle to lock the bolt.

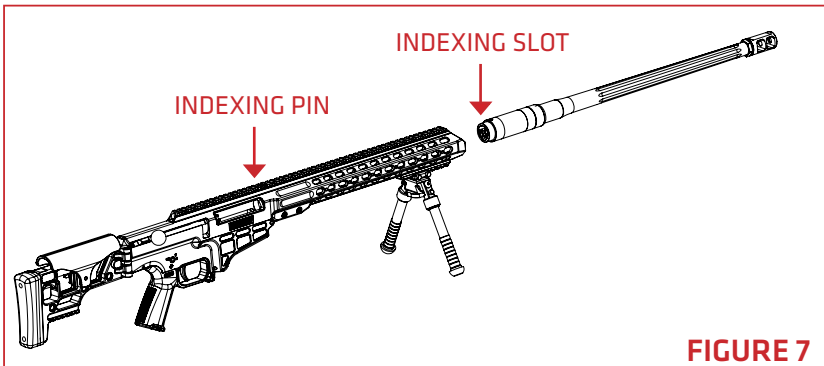


FIGURE 7

NOTE: COCKING PIECE MUST BE IN FULLY COCKED POSITION TO RE-INSTALL BOLT ASSEMBLY INTO UPPER.

12. Torque the two barrel screws to 140 in/lbs. Alternate tightening of each screw until torque specification has been achieved on both.
13. Cycle the bolt fully closed and fully open to ensure function and proper assembly.



P.O. Box 1077
Murfreesboro, TN 37133 USA
615.896.2938
615.896.7313 fax
barrett.net