



# CMMG .22 Conversion for AR15 Firearms

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## Introduction

The CMMG .22 LR caliber conversion is a .22LR caliber rim-fire device which replaces the standard bolt/bolt carrier assembly in the AR15 family of firearms. It allows the use of inexpensive .22LR ammunition in place of 5.56 (.223 Rem.).

It is a blow-back operated sub-caliber conversion device that allows semi-automatic firing of the .22LR high velocity cartridge in the AR15/M16 rifle. The same unit with the addition of the automatic trip and anti-bounce weight (M16 unit only) allows select fire (semi and auto) firing of the .22LR high velocity cartridge in the M16.

The CMMG .22 LR conversion will not change the mode of fire capability of the firearm in which it is installed.

## Operation and Maintenance Information

Use premium grade .22 Long Rifle high velocity round-nose ammunition. **The unit was successfully factory test fired with Federal High Velocity Hollow Point ammunition. This type of ammo is recommended for best performance.** The use of other brands, standard velocity, hyper velocity, or bullet design may adversely affect the operation of this unit.

Never attempt to insert the .22 caliber magazine in the firearm while the standard slide is installed. Damage to the magazine will result.

When chambering a new cartridge, manually pull the charging handle fully to the rear and release. **DO NOT** hold (ride) the handle as the bolt closes. This will cause a slow-feed situation that can jam the conversion. The conversion bolt will activate the dust cover as the OEM bolt does.

All components of the .22 conversion unit as well as your rifle should be thoroughly cleaned and lubricated after each use. To clean the unit you need only hold the bolt rear-ward while using a brush to clean the bolt and chamber adaptor faces. Use a bore brush on the chamber and on the bore of the chamber adaptor. Rinse the exterior in solvent and blow dry. Disassembly of the conversion is not recommend, as damage the precise alignment of the receiver rails may result.

The conversion should be removed from the firearm after 500rds to clean and sde-carbon the chamber and bolt-locking lug area of the barrel. This requires the standard chamber/locking lugs cleaning brush and bore brush. Firing the 5.56mm (.223 Rem) cartridge will fully clean any residual .22 rim fire fouling from the gas system.

## Installation Instructions

1. Remove the standard magazine. Clear the firearm of ammunition. Visually check the chamber to be sure no live rounds remain.
2. Press rear-take through the receiver and pull through until the upper receiver is able to swing free.
3. Pull the charging handle approximately half way out. Remove bolt and carrier. Check barrel for obstructions.
4. With charging handle approximately half way out, insert the conversion unit in the upper receiver.
5. Push conversion in as far as possible. Close firearm and push rear take-down pin into the closed position.

**Caution: Ensure the firearm is unloaded. Remove the magazine first; then visually check the chamber.**

**Caution: Never use excessive force to install conversion. If force seems necessary, stop, go back and re-read the instructions before trying again.**

## Warranty

CMMG will cover the .22 conversion against manufacturer's defects for the lifetime of the product

## Statement of Liability

This device is classified as a FIREARM ACCESSORY and is surrendered by us with the express understanding that we assume NO LIABILITY for its resale or safe handling under local laws and regulations. CMMG, Inc. assumes no responsibility for

1. damage to the firearm in which the conversion is installed,
2. physical injury or property damage resulting from intentional or accidental discharge, or
3. the function of any device subjected to influences beyond their control.

Further, CMMG, Inc. will honor no claims which may result from careless handling, unauthorized adjustment, alterations, modifications, defective or improper ammunition, corrosion, neglect or condition of the firearm in which it is installed. The receipt and use of this product implies understanding of, agreement with and acceptance of this statement of liability.

## Price List

Receiver plate assembly \$25	Firing pin roll pin \$1	Extractor roll pin \$1	Recoil spring guide rod \$10
Bolt, stripped \$65	Extractor \$10	Chamber adaptor \$35	Mag 10rd \$30
Firing pin \$10	Extractor spring \$1	Recoil Spring \$5	Mag 27rd \$30
Firing pin spring \$1			