

Mk47

7.62x 39_{MM}

Covers



RESOLUTE

200



rifle models

INSTRUCTION MANUAL

WARNING: BEFORE USING THIS FIREARM, READ AND FOLLOW THESE INSTRUCTIONS



Thank you for choosing CMMG, Inc.
Please follow all instructions in this manual before operating
your new firearm.

Fundamental Firearm Safety Rules

- 1. Always keep the firearm pointed in a safe direction.
- 2. Always keep your finger off the trigger until ready to shoot.
- 3. Always keep the firearm unloaded until ready to use.
- 4. Know the target and what is beyond.
- 5. Know how to use the firearm safely.
- 6. Use only the correct ammunition for the firearm.
- 7. Be sure the firearm is safe to operate.
- 8. Wear appropriate eye and ear protection.
- 9. Never use alcohol or drugs before or while shooting.
- 10. Store firearms so they are not accessible to unauthorized persons.
- 11. Be aware certain types of firearms and many shooting activities require additional safety precautions.

Failure to follow these rules can result in damage to property, injury or death. Always follow these instructions and carefully read and refer to this manual before loading firearm.

THIS IS NOT A SAFETY MANUAL

If you need assistance with the safe handling of this, or any firearm, please contact a certified firearms instructor or school.

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Please familiarize yourself with this manual and the operation of your particular firearm. To ensure you get the best performance and reliability from your new CMMG firearm, please read through all of the procedures listed in this manual before attempting to perform any of the described actions. If any part of this manual is unclear to you, please contact us before attempting the procedure.

All complete firearms and uppers are headspaced and test fired before shipping.

Clean your firearm before using for the first time.

Unloading and Clearing Your Rifle

To unload and clear your rifle:

- 1. Keep your rifle pointed in a safe direction for the duration of the procedure.
- 2. Place your selector on "SAFE". You cannot select "SAFE" unless the hammer is cocked.
- 3. Depress the magazine catch button and remove the magazine.
- 4. Eject the chambered cartridge by retracting the charging handle until it stops. Let the ejected cartridge fall to the ground.
- 5. While holding the charging handle to the rear inspect the chamber and receiver to ensure you have removed all cartridges from the action.
- 6. Release charging handle once you have verified the chamber to be clear and no cartridges in the firearm.

Your rifle is now unloaded and clear. It may now be loaded or prepped for transportation or storage.

Loading and Firing Your Rifle

The following is a description of the sequence for one complete firing cycle; beginning after a cartridge is chambered. Knowing the correct function of your rifle will help you with the diagnosis of any malfunctions or failures to fire.

The trigger is pulled, releasing the hammer which strikes the firing pin. The firing pin impacts the primer in the chambered cartridge, igniting the primer which ignites the powder. As the powder is burned it creates a high volume of gas, propelling the bullet down the bore of the barrel. The exhaust gas is also vented out of the bore through the barrel's gas port, into the gas block, through the gas tube and into the carrier key on the bolt carrier. The gas pushes the bolt carrier back unlocking your bolt from the barrel extension allowing the bolt carrier to recoil completely. The underside of the carrier will push the hammer down where it is caught and held by the disconnector. The bolt will pull the spent cartridge out of the chamber and eject it from the rifle.

At full recoil the carrier has pushed the buffer and buffer spring back into the receiver extension. The magazine will present a new cartridge, which will be stripped from the magazine by the bolt as the recoil spring pushes the bolt carrier group back into battery. The new cartridge is now chambered. The fire control group will reset once you have released the trigger allowing the disconnector to release the hammer and re-engage the trigger's sear. The rifle is ready to be fired again or put on "SAFE" and unloaded.

Loading and Firing Your Rifle

continued

To load and fire your rifle:

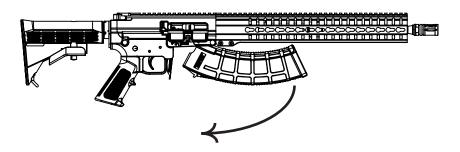
Begin with a rifle that has been verified to be unloaded using the preceding directions. Make sure the selector is on safe.

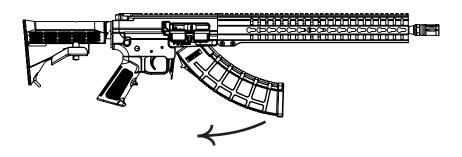
- 1. Keep your rifle pointed in a safe direction for the duration of the procedure.
- 2. Load your magazine with 7.62x39mm cartridges. Place cartridge between the magazines feed lips and push down to seat.
- 3. To insert your magazine, hook the front of the magazine on the magazine pivot pin located at the front of the magwell. Rotate the mag rearward until it locks in place. Pull the magazine down to verify that it is locked in place. NOTE: Ensure front hook on front of magazine engages the pivot pin properly prior to rotating the magazine in place. (See Illustration on page 4). Failure to engage hook properly will result in "Mag Lock". This will make the magazine very difficult to remove.
- 4. Retract the charging handle fully to the rear. Release the charging handle. Do not maintain control of the charging handle while chambering a cartridge as this will cause the rifle to misfeed. **Your rifle is now loaded.**
- 5. Get into the shooting position you plan to use. Grasp the pistol grip in one hand and the handguard in the opposite hand with the buttstock to your shoulder.
- 6. Align your sights on your target.
- 7. Place the selector on "FIRE"; Your rifle is now ready to shoot.
- 8. Squeeze the trigger until the hammer is released.

Loading and Firing Your Rifle

continued

Inserting your magazine properly:



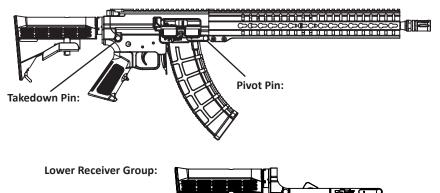




Disassembly Diagram

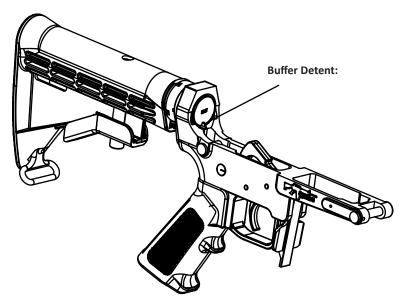
Use illustrations as a guide for the following instructions

Mk47 Rifle:





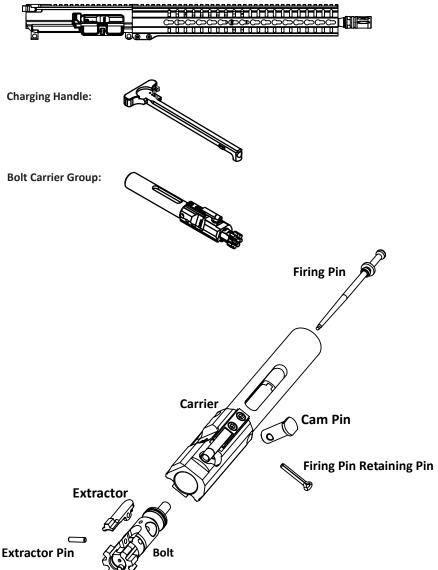




Disassembly Diagram

Use illustrations as a guide for the following instructions

Upper Receiver Group:



Disassembly Instructions

Before disassembling your rifle please unload and clear your rifle as described in the unloading directions.

- 1. Verify your rifle is unloaded and return the bolt and carrier into battery.
- Partially push the rear take down pin and the front pivot pin from the left so they are not captured by the detents that retain them in the receiver in the closed position. Use a delrin take down pin punch if needed.
- 3. Pull the rear take down pin the rest of the way to the right side of the lower receiver until it engages the detent that holds the pin in the open position.
- 4. Pivot the lower receiver away from the upper receiver.
- 5. Pull the front pivot pin the rest of the way to the right side of lower receiver until it engages the detent that holds the pin in the open position.
- 6. The upper and lower receiver groups are now separated; set the upper receiver group aside.

Disassembly Instructions

continued

- 7. Remove the buffer and buffer spring from the lower receiver by depressing the buffer detent. Maintain tension on the buffer face while removing; it is under pressure from the recoil spring. You may need to hold the hammer down to allow the buffer and spring to be removed from receiver extension.
- 8. Set the lower receiver, buffer and recoil spring aside and pick the upper receiver back up.
- 9. Pull the charging handle to rear and remove bolt and carrier assembly. Set the bolt and carrier assembly aside.
- 10. Remove the charging handle by pulling it backwards until it is aligned with the key way. The charging handle may now be lifted from the upper receiver.
- 11. Set the upper receiver and the charging handle aside and pick the bolt carrier assembly back up.
- 12. Remove the firing pin retaining pin from the left side of the bolt carrier group. You may use a small screwdriver or punch to hook the loop end of the firing pin retaining pin.
- 13. Tilt bolt face up and remove firing pin from the rear of the bolt carrier.

Disassembly Instructions

continued

- 14. Push bolt into the carrier until it rotates and comes to a stop (in battery position).
- 15. Lift cam pin out from bolt and carrier.
- 16. Pull bolt forward out of carrier. Set the carrier aside.
- 17. With a punch, remove the extractor pin from the bolt assembly. Slight pressure applied to the extractor will ease removal of the extractor pin.
- 18. Remove the extractor. The extractor springs and rubber o-rings should be captured in the extractor; do not remove the springs or o-rings from the extractor.

Your rifle is now field stripped for cleaning.

Do not disassemble your firearm any further than described. Any maintenance that requires further disassembly should be performed by CMMG or a qualified gunsmith.

Basic Care and Maintenance

Proper maintenance will ensure you get the best performance from your firearm. High quality cleaning products will ensure you get your rifle clean quickly and without damage to your firearm. If you use corrosive ammunition, it is advised to clean your rifle's gas system and barrel bore with diluted ammonia to neutralize the corrosive salts. This should be followed with a hot water rinse. Using hot water will aid in evaporation. After cleaning is complete and the water is removed, you should lubricate with quality firearm lubricant.

Upper Maintenance

- Use cleaning fluid on the bore and chamber, the gas tube, the upper receiver and barrel assembly, locking lugs and all areas of powder fouling, corrosion, dirt or dust.
- Install the chamber brush on the cleaning rod, dip the brush in cleaning fluid and insert it into the chamber and locking lugs. Clean by pushing and twisting the cleaning rod.
- 3. Install the bore brush on the complete cleaning rod. Dip the brush in cleaning fluid. Run the rod through the chamber and flash suppressor or muzzle brake several times.
- 4. Take the bore brush off the rod and install a swab holder and a swab. Apply cleaning fluid to the swab, then run it through the chamber and out the flash suppressor (if applicable). To remove carbon build up, let the solvent sit, then wipe clean. Wipe the bore dry by running clean swabs all the way through from the chamber to the flash suppressor.

Upper Maintenance

continued

- 5. Once the patches come out dry they should be clean. If not, repeat steps 3 and 4.
- Use a worn out bore brush to clean the outside surface of the protruding gas tube. NOTE: Heat will discolor your gas tube; do not try to remove this discoloration.
- 7. Wipe the charging handle with a patch dipped in solvent; wipe off solvent with a dry cloth.
- 8. Inspect the upper assembly for any worn, broken or damaged parts. Replace any faulty parts with quality replacement parts.
- 9. Lightly lubricate the bore, chamber and charging handle.
- 10. With a lubricated swab, run the rod from the receiver to the flash suppressor or muzzle brake. Do not over lubricate.
- 11. Lubricate the locking lugs.
- 12. Reassemble upper.

Bolt and Carrier Maintenance

- 1. Clean all parts and outer surfaces of the bolt carrier assembly with a swab saturated with cleaning fluid.
- 2. Clean the bolt carrier key with a worn bore brush dipped in cleaning fluid and dry with a pipe cleaner.
- 3. Remove carbon deposits and dirt from the locking lugs with a cleaning brush dipped in cleaning fluid.
- 4. Clean the areas behind the bolt rings and under the lip of the extractor.
- 5. Use a punch to press the ejector in repeatedly to remove accumulated brass shavings from the ejector hole and assure the ejector moves freely. Be careful not to damage bolt with punch.
- 6. Inspect the bolt assembly for cracks or fractures, especially in the cam pin hole area. Inspect the firing pin retaining pin for bends, breaks or dents. Inspect the bolt cam pin for cracks or chips. Inspect the firing pin for bends, cracks, or a sharp, chipped or blunted tip.
- 7. Lubricate the bolt carrier, bolt, cam pin, firing pin and firing pin retaining pin. Be sure to coat the inner and outer surfaces and the cam pin area of the bolt carrier. Place one drop of lubricant inside the key. Flush the ejector with lubricant and cycle the plunger enough to ensure the ejector spring is well lubricated.
- 8. Reassemble bolt and carrier.

Lower Maintenance

- 1. Remove any dirt or debris from the trigger group with a cleaning brush and/or cotton swab dipped in cleaning fluid.
- 2. Remove powder fouling, corrosion and dirt from the lower receiver with a cleaning brush and/or cotton swab dipped in cleaning fluid.
- Clean the buffer, recoil spring and inside of the lower receiver with a cleaning brush and/or cotton swab dipped in cleaning fluid.
- 4. Examine the lower receiver assembly for any worn, broken or damaged parts. Replace any faulty parts with quality replacement parts.
- 5. Lightly lubricate the lower receiver and the internal parts of the lower receiver assembly.
- 6. Reassemble the lower receiver.

Reassembly Instructions

- Insert extractor and spring assembly into bolt by pushing extractor assembly down and aligning the pivot hole in the extractor with the hole in bolt and insert extractor pin. If the spring comes loose, seat the large end of spring in the extractor.
- 2. Slide bolt assembly into bolt carrier assembly with extractor claw on the carrier's right side.
- 3. Align the bolt's cam pin hole with the carriers cam pin slot and insert bolt cam pin.
- 4. Insert firing pin in opening at the rear of the bolt carrier and seat. You may need to rotate the cam pin into alignment to allow the firing pin to seat.
- 5. Pull bolt assembly forward and replace firing pin retaining pin. When correctly installed, the firing pin will not fall from the bolt carrier assembly and cannot be removed.
- 6. Install charging handle assembly into upper receiver. Leave the charging handle halfway out of the receiver.
- 7. Install the bolt carrier assembly. The bolt must be extended from bolt carrier so the cam pin will not prevent the bolt carrier group's installation.
- 8. Push charging handle assembly and bolt carrier assembly together into upper receiver.
- 9. Reinstall the buffer and spring into the lower receiver.
- 10. The hammer must be cocked and the selector lever must be on "SAFE" before installing the upper onto the lower.

Reassembly Instructions

continued

- 12. With the bolt carrier in battery, close ejection port cover.
- 13. Align the pivot pin holes and push pivot pin in.
- 14. Pivot the lower receiver towards the upper receiver. When aligned, push in take down pin.
- 15. Perform the function check on your rifle.

Function Check

TO AVOID ACCIDENTAL FIRING, BE SURE MAGAZINE IS REMOVED AND CHAMBER IS EMPTY

- 1. Pull charging handle assembly to rear and release.
- 2. Place selector lever on "SAFE". Squeeze trigger. Hammer should not fall.
- Place selector lever on "FIRE". Squeeze trigger. Hammer should fall.
- 4. Hold trigger to the rear. Cycle the action. Release trigger. You should hear a click as you release the trigger as the disconnecter hands the hammer off to the the trigger.
- 5. Squeeze trigger again. Hammer should fall.

If your rifle fails any of these tests check your assembly. If the rifle will not pass these checks and it has been assembled properly, contact CMMG or a qualified gunsmith for assistance.

Lifetime Quality Guarantee

CMMG Lifetime Quality Guarantee

CMMG, Inc. will guarantee its products against defects in material or workmanship. CMMG, Inc. will repair, replace or substitute part(s) (at CMMG, Inc. discretion) at no charge to the customer if a defect of material or workmanship is found. All service work must be carried out by CMMG, Inc. Please provide a copy of the invoice or proof of purchase when submitting service work.

Notice

CMMG, Inc. sells complete firearms and components. If you have received a CMMG, Inc. firearm and are not satisfied, please contact CMMG, Inc. If you suspect your firearm isn't factory built, contact CMMG, Inc. for confirmation.

Returned products that are found without a defect are subject to a restocking fee.

All CMMG firearms are designed to function with a wide variety of factory loaded ammunition and undergo rigorous testing prior to release to ensure reliability and durability. Because CMMG relies on factory ammunition for testing, we cannot guarantee reliable function with handloads or reloads. Warranty claims due to handloads or reloads will be subject to review.

All Virtual Patent Marking information can be found at: https://www.cmmginc.com/patents/



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This product can expose you to chemicals including Cadmium, Lead, Cyanide Salts, or Nickel which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

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