

OLYMPIC ARMS INC.

AR-15 Owner's Manual



**READ MANUAL
BEFORE OPERATING
THIS FIREARM**

WARNING!

1. ALWAYS keep the firearm pointed in a safe direction.

This is the primary rule of firearms safety. A safe direction means that the firearm is pointed where, even if it were to go off, it would not cause injury or damage. The key to this rule is to control where the muzzle, or front end, of the barrel is pointed at all times. Common sense dictates the safest direction, depending on different circumstances.

2. ALWAYS keep your finger off the trigger until ready to shoot.

When holding a firearm, rest your finger on the trigger guard or along the side of the firearm. **DO NOT TOUCH THE TRIGGER**, until you are actually ready to fire.

3. ALWAYS keep the firearm unloaded until ready to use.

Whenever you pick up a firearm:

- Immediately engage the safety, if possible.
- If the firearm has a magazine, remove it.
- Open the action and look into the chamber(s) to be sure there is no ammunition there.
- If you do not know how to open the action or inspect the chamber(s), leave the firearm alone and get help from someone who does.

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WARRANTY

Our goal at Olympic Arms Inc. (“OAI”, “we” and “us”) is to lead the industry in customer service and satisfaction. For this reason, we are proud to offer the most comprehensive factory warranty of its kind by any AR-15 manufacturer.

We will warranty all parts and products manufactured by OAI against any and all manufacturer’s defects, in materials and workmanship, which affect the satisfactory operation of the item being warranted. This portion of the warranty is non-transferable.

The liability of OAI is limited to repair or replacement of only those parts determined by our staff to be defective on the part of the factory. The decision to repair or replace a warranted product will be made by OAI, as necessary, to provide the customer with a properly operating finished product. OAI assumes no liability for accidental or consequential damages. The following items are **specifically excluded** from coverage under this warranty:

1. Normal wear of the protective finishes and of all metal or plastic parts.
2. Damage or malfunction resulting from accident, negligence, misuse or unauthorized repair or alteration.
3. Damage or malfunction resulting from barrel obstructions.
4. Damage or malfunction resulting from use of other than factory SAAMI specification brass cased new production ammunition.
5. Damage resulting from the use of ANY imported, hand loaded, reloaded or **factory re-manufactured** ammunition.
6. Any finished products that are NOT assembled at the factory or are assembled using imported or used parts. This includes completed rifle kits, pistol kits, upper receivers, lower receivers, barrel units / assemblies, etc.
7. Any damage to OAI parts or components during assembly by an individual, organization, company or entity other than OAI.

SATISFACTION GUARANTEE

Beyond warranty, Olympic Arms Inc. (“OAI”, “we” and “us”) guarantees complete customer satisfaction. If you are not completely satisfied with the purchase of any OAI product, based on any product or warranty related reason, simply return it to us within sixty (60) days, along with a copy of the original invoice. We will replace the item or credit or refund the original purchase price (to be decided by OAI). Restrictions apply, see below.

Product or warranty related reason is defined as any warranty or service/repair issue or deficiency in the advertised performance of the product in question. It does not apply to dealers and/or individuals who, after having received the product feel as though a different product would be better suited for their needs. In cases such as this, exchanges can be made on new, unfired products returned in their original packaging, along with a copy of the original sales invoice. A restocking fee (currently 15%) may apply.

Refunds are made on returns based on our advertised Lifetime Warranty and/or Satisfaction Guarantee. All credit card purchases will be refunded directly to the credit card on which the original purchase was made. Cash purchases or COD orders will be refunded via an Olympic Arms company check to be issued no earlier than five (5) business days after the returned product has been received. Shipping and handling charges are not refunded unless the product returned is determined to have been defective from the time it left OAI and are not refunded or credited on non-warranty related exchanges. No exceptions.

If your purchase was made through an OAI retailer/dealer, then they (the retailer/dealer) have the option to return the product to OAI for a replacement, credit or refund as well. **OAI does not dictate the in-store policies of OAI retailers/dealers. Check with your retailer/dealer for their policy before purchasing.**

DISCLAIMER

By your acquisition of any Olympic Arms Inc. product, you acknowledge that Olympic Arms Inc., and its affiliates are not responsible legally, civilly or otherwise. For criminal, negligent or accidental acts caused by the operator of this firearm.

Olympic Arms Inc. does not condone, the illegal transfer, export or import of the firearms we produce. Olympic Arms Inc. does not have authority or control over the distribution of the firearms it produces after they are legally transferred from our facility to a legally licensed dealer or an appropriately NICS approved end user transfer.

Responsible firearms handling and use, are YOUR responsibility,

- Know your firearm and how to safely operate it.
- Know and practice safe firearms handling.
- Know the local, state and federal laws in your area of use.
- If you don't know, find out, most dealers know, or know where to get this information.
- For additional information on legal issues, safety issues or more firearms related topics contact the NRA at www.nra.org

What Voids My Warranty

Olympic Arms Inc. offers the best Warranty and Satisfaction Guarantee in the industry. We are unmatched in our promise to provide a quality product along with quality service. For specific information on the Warranty and Satisfaction Guarantee, please refer to that section of the Owner's Manual.

However, the Olympic Arms Warranty is limited. The changing, replacement or modification of any major component part of any Olympic Arms product by any party, other than the Olympic Arms Warranty/Repair Center will void any and all warranties expressed, and implied.

Examples:

- Changing your polymer hand guards: Will Not Void Warranty
- Changing the barrel or bolt: WILL void your Warranty.
- Repair work done by your 'gunsmith': WILL void your Warranty.
- Damage done to your firearm due to use of ammunition not covered under the Warranty: WILL void the warranty.

If you have any questions regarding your Warranty or Satisfaction Guarantee, please call and speak to an Olympic Arms Customer Service Rep. (800) 228-3471

AMMO WARNING

1. Use only U.S. made, SAAMI approved, new production, brass cased ammunition.
2. DO NOT use imported ammunition of any kind. Read the labels carefully.
3. DO NOT use factory reloaded ammunition.
4. DO NOT use steel case ammunition of any kind.
5. DO NOT use hand loaded ammunition.
6. ONLY USE caliber specific ammunition designed for use in your AR15.
 - a. The caliber stamp is generally located on top of the barrel in front of the front sight base.
7. If you have any questions regarding the caliber of your Olympic Arms AR15 product or what ammunition you SHOULD use, DO NOT DISCHARGE THE FIREARM! Instead, call the factory immediately for assistance.

Olympic Arms prides itself in manufacturing some of the most reliable and accurate AR15 style firearms available. To achieve the best performance possible from your Olympic Arms AR15, use only the best ammunition available. Any firearm is only as good as the ammunition used in it. Your Olympic Arms AR15 is a precision machine and a valuable asset. Treat it well and it will reward you with years of accurate, reliable shooting.

Here is a list of ammunition that we use here at our factory to test our firearms.

1. Hornady
2. Black Hills (new production)
3. Federal
4. PMC (US Manufactured only)
5. Remington (new, non-UMC brand)
6. American Eagle
7. HSM

For more detailed information, check out our web site www.olyarms.com or give our sales staff a call.

.223 Remington vs. 5.56 x 45 NATO **WARNING! IMPORTANT AMMUNITION WARNING!**

There is a difference in the chambering between a .223 Remington and the 5.56 x 45 NATO rounds. Without going into the minute details, we will simply cover the main points.

The 5.56 x 45 cartridge was developed for military use with military bullets. Because of this the head spacing is slightly different from the civilian .223 Remington. The lead in the chamber is longer to accommodate the longer steel core military bullets and the brass is thicker because the cartridges are loaded to much higher pressures. As stated earlier, most Olympic Arms AR15 products are chambered in 5.56 x 45. Those that are not will have barrel markings that show "SUM" indicating that they are in fact chambered in a minimum SAAMI .223 Remington Chamber.

UNDER NO CIRCUMSTANCES should you fire 5.56 x 45 ammunition in a rifle chambered in .223 Remington. However, the opposite is true: You CAN SAFELY FIRE .223 Remington Ammunition in a firearm chambered in 5.56 x 45.

Compatibility

In most circumstances any part or component manufactured to GI/Mil-spec print dimensions is compatible with Olympic Arms products. There are however three things the consumer must be aware of:

1. Make sure you are comparing apples to apples.

a. Olympic Arms makes the widest variety of calibers and configurations available for the AR15. Some of these designs are proprietary and will require Olympic Arms parts and/or components. In most cases these differences are obvious, but if you have any questions, please do not hesitate to call our customer service team for clarification.

2. Compatibility with some Colt® products.

a. Over the years Colt® has manufactured AR15 products in such a manner that common parts are not compatible with standard GI/mil-spec products produced by other manufacturers. These differences include, but are not limited to:

- i. Upper receivers
- ii. Hammers
- iii. Triggers
- iv. Bolt carriers
- v. Buttstocks

b. Additionally, some Colt® lower receivers are manufactured with sear-blocks. If this is the case, you must use a Colt® style bolt carrier for compatibility.

Pre-Ban vs. Post-Ban

On a Federal level no assault weapons ban legislation currently exists. The Violent Crime & Law Enforcement Act that passed in 1994 under the Clinton Administration has long since expired. There are however, at least 5 separate States that currently have laws similar to the expired Federal AWB in place.

Olympic Arms makes no claim that the products we sell are legal in your State or municipality. Please check with your local Law Enforcement or State Department of Justice for clarification.

For customers living in states that have an assault weapons ban in place, please refer to the Olympic Arms website, under the FAQs section, for information about firearms serial number and date ranges of manufacture.

Barrel Markings and Caliber Identification:

Olympic Arms uses a unique stamping system that identifies its barrels. You will find these stampings on the barrel itself, just forward of the front sight base assembly. The stampings are typically on the top of the barrel, but may be found at an angle (sides) or even on the bottom in some very rare occasions.

Marking #1 CALIBER/CHAMBERING

First off, every barrel is stamped with the caliber/bore diameter or chambering. Since we make over 20 different calibers that are interchangeable on any standard Olympic Arms, or mil spec, lower this should be the first thing you check. The standard AR15 comes chambered in 5.56x45; the NATO chambering for the M16 rifle. These barrels will be stamped "5.56", while the alternative calibers are marked appropriately (.223 meaning a SAAMI minimum 223 Remington Chambering as opposed to the military 5.56), 9mm, 10mm, 40 S&W, 45ACP, WSSM, etc.

Marking #2 BARREL MATERIAL

CHROME MOLY BARRELS

Since we know what to look for to determine the caliber, let's go under the assumption that our barrel is marked 5.56, but this same system applies to all calibers. If the barrel stamping is "5.56" then the barrel is made of 4140 chrome moly steel. Chrome moly is a type of steel that incorporates chrome right into the barrel metal itself. This barrel material is corrosion resistant, but not as much as a stainless-steel material. Using the 4140 chrome moly material allows us to give the consumer a barrel with similar benefits of a chrome lined barrel, but maintain consistencies in the bore that allow for superior accuracy. Our experience has shown that chrome lining a barrel will be detrimental to its accuracy.

STAINLESS STEEL BARRELS

Under the "5.56" markings you may also see an "SS" stamped on your barrel. This would indicate that your barrel is manufactured from 416 stainless steel. This material is very resistant to corrosion and is universally accepted as one of the best barrel materials available. Even though this barrel is stainless steel, it does have a carbon content that makes it slightly magnetic. If you have just tested your barrel and found that a magnet sticks, don't panic, this is normal.

Lower Receiver Markings

With a history in the AR15 business of longer than 25 years, the markings on our lower receivers have changed over the years.

The "Model" markings have stood for different things:

- CAR-AR: CAR-15/AR-15
- MFR: Multi-functional Rifle
- PCR: Politically Correct Rifle

Caliber:

The caliber marking on the current production AR15 lower receiver is: "MULTI" Multi simply meaning that this same lower can be used on one of more than 20- different calibers suitable for that lower. Current production includes:

1. .223 Remington	8. 10mm
2. 5.56x56 NATO	9. .40 S&W
3. 7.62x39	10. .45 ACP
4. 6.8 Remington (Spec.-II)	11. .223 WSSM
5. .300 Fireball	12. .243 WSSM
6. .22 LR	13. .25 WSSM
7. .9mm	14. .300 OSSM

Remember, Olympic Arms designed caliber conversion uppers all work on a standard, unmodified AR15 lower receiver.

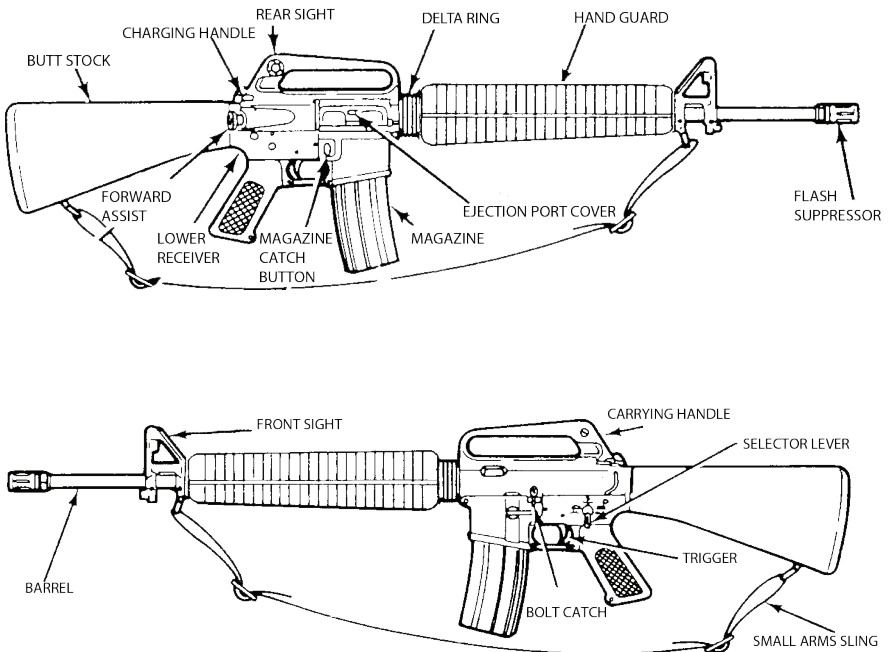
Products This Manual Covers

This manual covers the following Olympic Arms Inc. products:

1. UM-1P	15. LTF
2. UM-1	16. K16
3. SM-1P	17. GI-16
4. SM-1	18. PLINKER PLUS
5. ML-1	19. PLINKER PLUS 20
6. ML-2	20. K30R
7. K8	21. K68
8. K8-MAG	22. K9
9. K3B-FAR	23. K10
10. K7	24. K40
11. K4B	25. K45
12. K4B68	26. K9-GL
13. K74	27. K40-GL
14. LT-M4	28. K23P

Feature Identification

A1 upper receiver shown

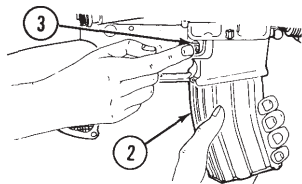


Inspecting Your Firearm

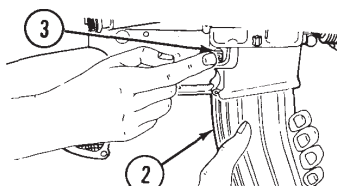
WARNING:

Always inspect the firearm to ensure it is unloaded and always keep the muzzle pointed in a safe direction.

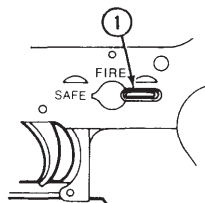
1. To inspect your firearm: Point the firearm in a safe direction, press the magazine release button (3) and remove the magazine (2).



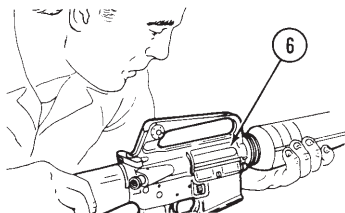
2. Pull the charging handle all the way back (4), press and hold the lower portion of the bolt catch (5) let the charging handle move forward until it engages the bolt catch.



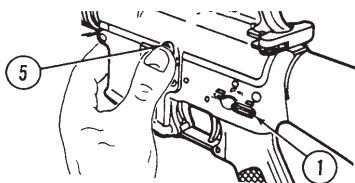
3. Place the Safety selector lever on safe (1).



4. Look into the receiver and chamber (6) to ensure these areas contain no ammunition.



5. With the selector lever (1) pointing at SAFE, allow the bolt carrier assembly to go forward by pressing the upper portion of the bolt catch (5).



Note:

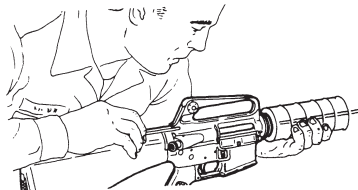
If the firearm is to be stored, it should be dry fired to release tension on the hammer spring.

Function Checking Your Firearm

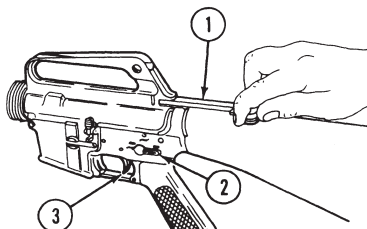
WARNING:

If the firearm fails any of these tests, continued use of the firearm could result in injury or death.

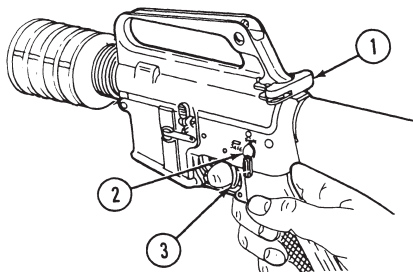
1. Remove magazine if installed. Pull charging handle assembly to the rear (1). Check that the chamber is clear. Let bolt carrier assembly close. Do not pull trigger. Leave the Hammer in the cocked position.



2. Place the selector lever (2) on safe. Squeeze the trigger (3). **THE HAMMER SHOULD NOT FALL.**



3. Place the selector lever (2) on FIRE. Squeeze the trigger (3); **THE HAMMER SHOULD FALL.**

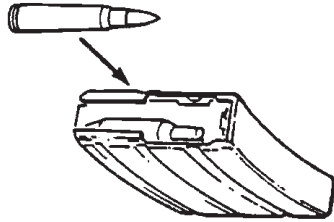


4. Hold trigger to the rear, pull the charging handle to the rear, and release pressure on the Trigger with a slow, smooth motion, without hesitations or stops, until the trigger is fully forward. **AN AUDIBLE CLICK SHOULD BE HEARD - THE HAMMER SHOULD NOT FALL.**

5. Repeat the Fire position test five times. The firearm must not malfunction during any of these five tests. If the firearm malfunctions during any of these five tests, have the firearm checked by a qualified gunsmith.

Loading A Magazine

1. Use only quality ammunition suitable for your firearm. Examine each cartridge - particularly around the primer. Look for dents, scratches and other signs of damage. DO NOT LOAD DAMAGED AMMUNITION.



2. With the magazine facing forward as shown in the illustration. Place a round between the lips of the magazine with the bullet tip forward and push down until it is held by the lips of the magazine.

CAUTION: Only load live ammunition into your firearm when you are about to shoot.

The Forward Assist

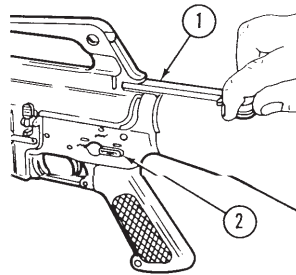
The forward assist helps lock the bolt into the barrel, but will only be used on rare occasions when the bolt fails to lock automatically. If you need to use the forward assist it is probably time to clean your firearm. Pay special attention to the locking lug areas in the chamber and on the bolt.

CAUTION: Always check to make sure that you are using clean ammunition when using the forward assist. Forcing dirty or damaged ammunition into the chamber could damage your firearm and cause injury or death.

Loading The AR-15

Point the muzzle in a safe direction

1. Pull the charging handle assembly (1) rearward, lock bolt and release charging handle. Place selector lever (2) on SAFE. Check to make sure that the chamber is clear.

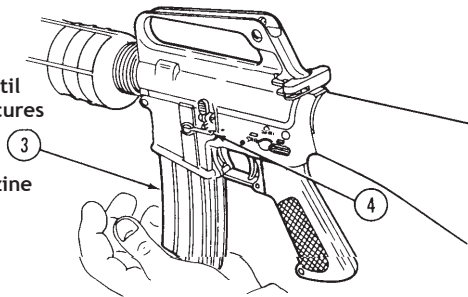


Note

The magazine may be loaded with the bolt carrier assembly open or closed.

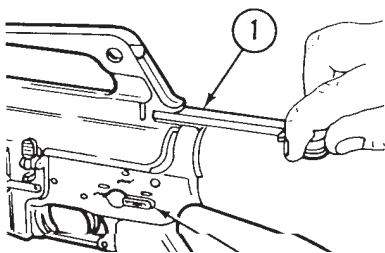
2. Push upward on magazine (3) until the magazine catch engages and secures the magazine.

Tap upward to make sure the magazine is seated correctly.

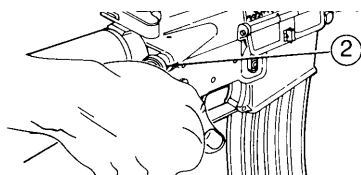


Chambering And Firing A Round

BOLT ASSEMBLY OPEN

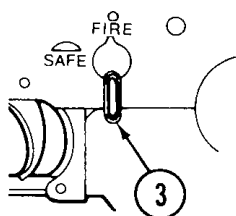


1. Depress upper portion of the bolt catch (1) to release the bolt carrier assembly.

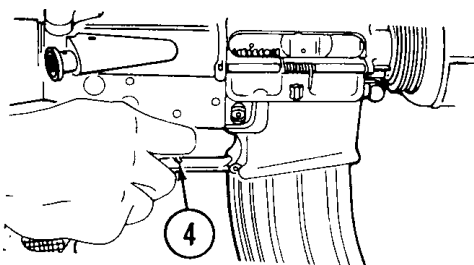


2. Tap forward assist (2) to ensure the bolt is fully forward and locked.

NOTE: If you need to force your forward assist closed its probably time to clean your firearm.



3. Move selector lever (3) to FIRE.



4. Aim the firearm down range and squeeze the trigger (4) to fire.

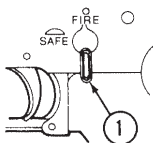
SAFETY WARNING:

Always wear and encourage others to wear ear and eye protection when shooting.

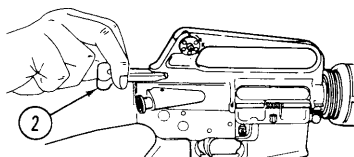
Always look to see what lies beyond your target and that your backdrop is adequate. Also beware of ricochets - never shoot at water or a hard surface.

Chambering And Firing A Round Cont.

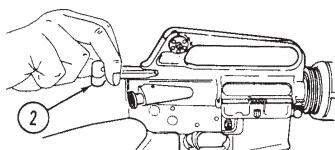
BOLT ASSEMBLY CLOSED



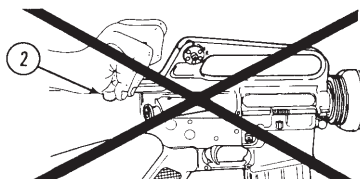
1. Place the selector lever (1) on FIRE.



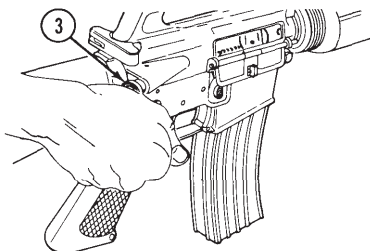
2. Pull charging handle assembly fully rearward (2).



3. Release charging handle assembly (2).

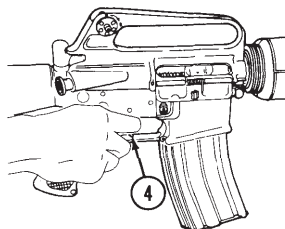


4. Never ride or force the charging handle assembly (2). Let it go on its own.



5. Tap forward assist (3) to ensure the bolt is fully forward and locked.

NOTE: If you need to force your forward assist closed its probably time to clean your firearm.



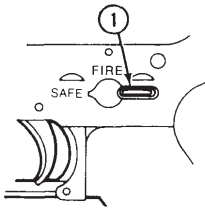
6. Aim the firearm down range and squeeze the trigger (6) to fire.

SAFETY WARNING:

Always wear and encourage others to wear ear and eye protection when shooting.

Always look to see what lies beyond your target and that your backdrop is adequate. Also beware of ricochets - never shoot at water or a hard surface.

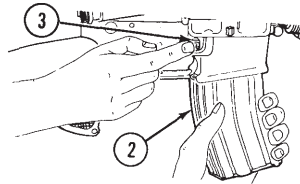
Clearing Your Firearm



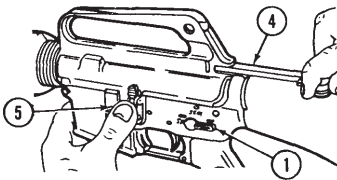
1. Place selector (1) on safe.

NOTE:

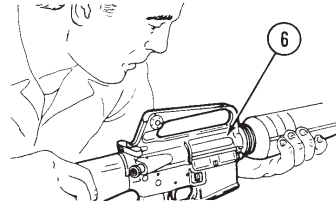
If the firearm is not cocked, the selector lever cannot be pointed at safe.



2. Remove magazine by pressing the magazine catch button (3), while pulling the magazine down (2).



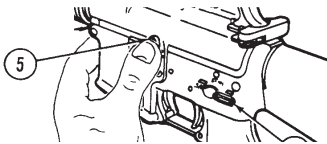
3. Pull the charging handle all the way back (4), press and hold the lower portion of the bolt catch (5). Let the charging handle move forward until it engages the bolt catch.



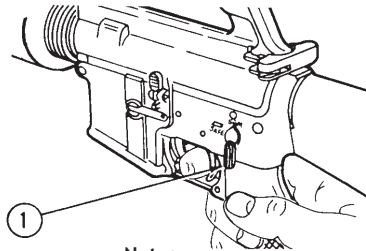
4. Look into the receiver and chamber (6) to ensure these areas contain no ammunition.

NOTE:

Ensure the safety selector is pointed toward SAFE.



5. With the selector lever (1) pointing at SAFE, allow the bolt carrier assembly to go forward by pressing the upper portion of the bolt catch (5).



Note:

If the firearm is to be stored, it should be dry fired to release tension on the hammer spring.

6. To dry fire for storage. Point the firearm in a safe direction. Place the selector lever on FIRE and squeeze trigger to release tension on the hammer spring.

Operation Under Unusual Conditions

NOTE:

Unusual conditions are defined as any climatic condition requiring special maintenance of the weapon.

Perform the maintenance outlined for the climate that most applies to your operational area.

HOT, DRY CLIMATES

NOTE:

Hot, dry climates are usually dusty and sandy areas. They are hot during daylight hours and cool during the night hours.

A. Dust and sand can get into the firearm and may cause malfunctions or excessive wear on component working surfaces through abrasive action during the firing operations.

B. Corrosion is less likely to form on metal parts in a dry climate; therefore, lubricate internal working surfaces only with a small amount of cleaner, lubricant and preservative (always shake CLP prior to use). Do not lubricate external parts of the firearm. Doing so will only collect dust and sand, making the firearm difficult to keep clean. Do not lubricate internal components of the magazines.

C. Using additional equipment - i.e., protective cap and spare magazine protective bags and overall firearm protective cover will help keep dust and sand from getting into the firearm. Use these items as the situation warrants. As a minimum effort to keep dust and sand out of your firearm, keep the ejection port cover closed, a magazine installed in the firearm, and a muzzle cap on the muzzle.

NOTE:

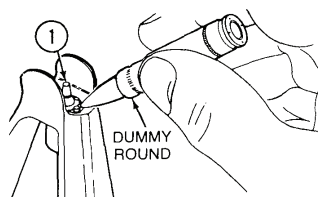
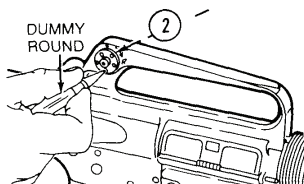
Before firing, remove the protective cap and keep for later use.

HEAVY RAIN/DAMP, COLD CLIMATE

Perform maintenance according to the appropriate climatic condition. Use additional equipment protective cap and spare magazine, protective bags and overall firearm protective cover as the situation warrants. Always keep the firearm dry. Using the protective cap will help keep water out of the barrel. Always drain any water from the barrel before firing. Dry the bore with a swab and cleaning rod, if necessary.

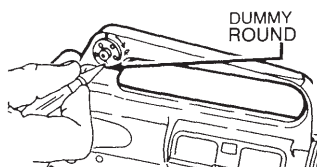
Sight Adjustments for A-1

RIFLE SIGHTS (ZERO ADJUSTMENT) - Move front (1) and rear (2) sights to make sure they can be adjusted. Return sights to zero setting on your firearm.



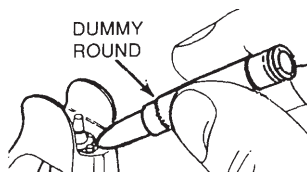
REAR SIGHT - To adjust windage, depress detent and rotate drum in the desired direction.

1. To move point of impact to the right, turn drum clockwise in direction of arrow and letter R.
2. To move left, move drum counterclockwise.
3. Each notch moves the point of impact as indicated in chart.



FRONT SIGHT - To adjust elevation, depress detent and rotate post.

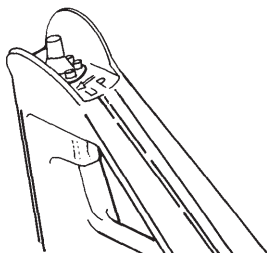
1. To raise point of impact, rotate post in the direction of arrow marked up.
2. Reverse the direction of rotation to lower point of impact.
3. Each notch moves the point of impact as indicated on the chart.



Impact (1 click) Adjustment	Distance At:
0.7 cm (17/64 in.)	25 meters
2.8 cm (1 3/32 in.)	100 meters
5.6 cm (2 13/64 in.)	200 meters

Sight Adjustments for A-2/A-3

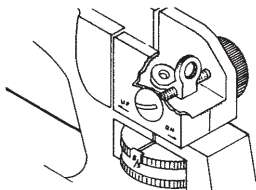
RIFLE SIGHTS (ZERO ADJUSTMENT) - Move front (1) and rear (2) sights to make sure they can be adjusted. Return sights to zero setting on your firearm.



1. The front sight post is moved up or down when zeroing the rear sight. Once the rear site is zeroed, the front sight post should not be moved.

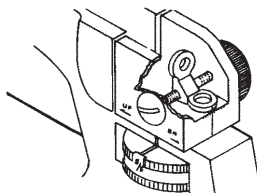
ADJUSTABLE REAR SIGHT HAS TWO APERTURES FOR RANGE

Short Range (0-200 meters)



2. **SHORT RANGE** - The "Larger" aperture is used for 0 - 200 meters. This larger aperture is only used when the rear sight is all the way down - the 300-meter mark is aligned with the mark on the left side of the receiver.

Normal Range (300-800 meters)



3. **NORMAL RANGE** - The aperture is unmarked and used for most firing situations. It is used in conjunction with the elevation knob for 300 - 800 meter targets.

Aiming and Firing

CAUTION:

Olympic Arms Inc. recommends wearing proper eye and ear protection when using your firearm.

Keep your firearm pointed in a safe direction and always be aware of your backstop.

1. Load firearm as previously described.
2. Grasp the firearm with one hand on the handguard and the other hand on the pistol grip with your finger along the outside of the trigger guard. Raise buttstock and press firmly into shoulder. Adjust buttstock if necessary.
3. Aim by aligning your front and rear sights with your target
4. Move the safety selector to FIRE.
5. Keeping steady aim, place index finger on trigger and pull gently until the firearm fires. Don't jerk the trigger or you will disturb your aim and spoil your accuracy. Your firearm reloads automatically, when you release the trigger, until the magazine is empty.
6. If you wish to stop firing move your index finger off the trigger and move the safety selector to safe. If you have fired your last round from the magazine, the bolt will be held to the rear so that the firearm can quickly be reloaded by replacing the magazine or the chamber can be inspected to ensure that it is empty.

Warning

While firing if you notice a difference in sound or recoil stop firing. A bullet could be stuck in the barrel. If you fire again without clearing the blockage the barrel could bulge or explode causing injury or death.

If this occurs, clear the firearm and make sure the bolt carrier assembly and the barrel are clear of obstruction.

MISFIRE

1. If your firearm misfires keep it pointed downrange for 10 seconds.
2. Keep your finger off the trigger and away from the trigger guard.
3. Remove the magazine.
4. Pull the charging handle completely rearward and lock the bolt carrier in place by pressing the lower portion of the bolt catch.
5. Check the chamber to make sure there are no cartridges or blockages visible.

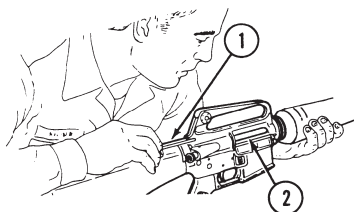
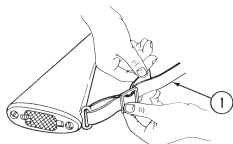
Field Stripping Your AR-15

Sling and Hand guards

To avoid accidental firing, be sure the firearm is clear. Pull back charging handle (1) rearward and check chamber (2). Place selector lever on SAFE.

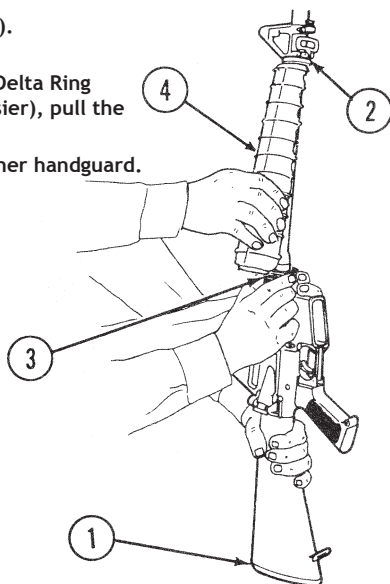
SLING

Remove Sling (1)



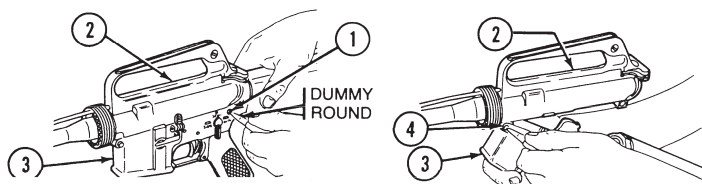
Handguards - The Buddy System

1. Remove and clean handguards only if dirt and corrosion can be seen through hand guard vent holes.
2. Place the weapon on the buttstock (1) with one hand gripping the stock and the other gripping the lower end of the handguard (2).
3. While your buddy presses down on the Delta Ring (3) (tell him to use two hands it will be easier), pull the handguard (2) free.
4. Repeat the procedure to remove the other handguard.



Field Stripping Your AR-15

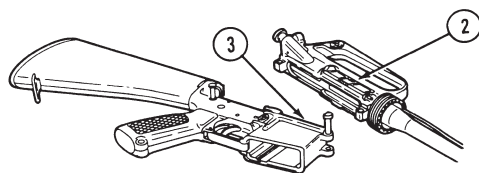
Upper and Lower Receivers



1. Push takedown pin (1) until it comes to a positive stop.

2. Pivot upper receiver (2) from lower receiver (3).

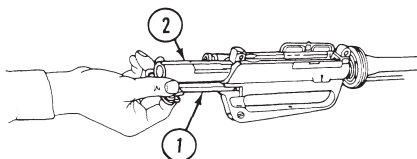
3. Push receiver pivot pin (4) until it comes to a positive stop.



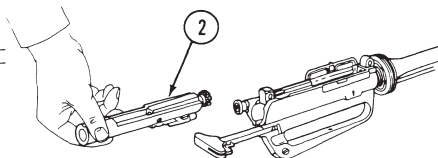
4. Separate upper (2) and lower (3) receiver.

Field Stripping Your AR-15

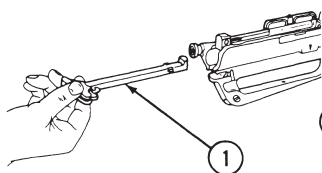
Charging Handle and Bolt Carrier Assembly



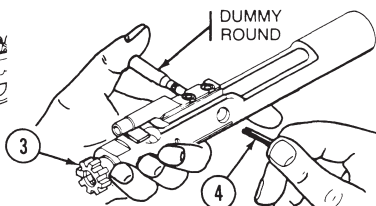
1. Pull back charging handle assembly (1) and bolt carrier assembly (2).



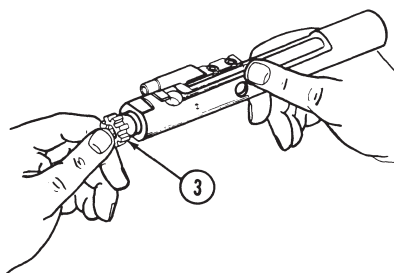
2. Remove bolt carrier assembly (2).



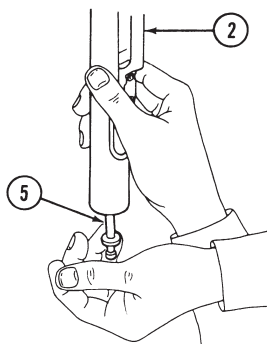
3. Pull charging handle assembly (1) back and up to remove it.



4. Move bolt assembly (3) forward to unlock position and remove firing pin retaining pin (4). Do not open or close split end of firing pin retaining pin.



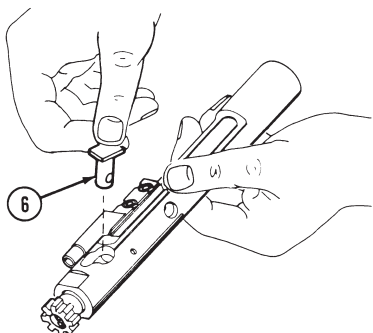
5. Push in on bolt assembly (3) to put in locked position



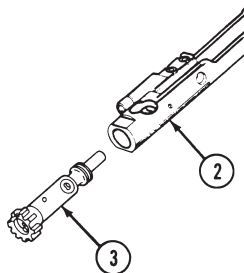
6. Rotate carrier assembly and catch firing pin (5) as it drops out of the rear of the bolt carrier assembly (2).

Field Stripping Your AR-15

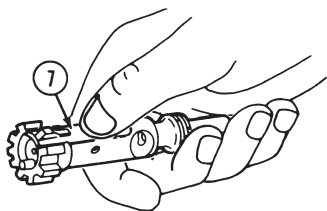
Charging Handle and Bolt Carrier Assembly Continued



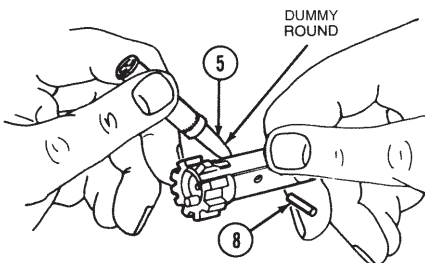
7. Give bolt cam pin (6) a 1/4 turn and lift out.



8. Remove bolt assembly (3) from bolt carrier assembly (2).

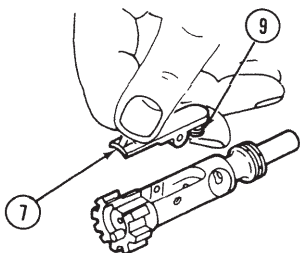


9. Press top of extractor (7) to check that the spring works.



NOTE:

Disassemble extractor and spring assembly only when dirty or damaged.

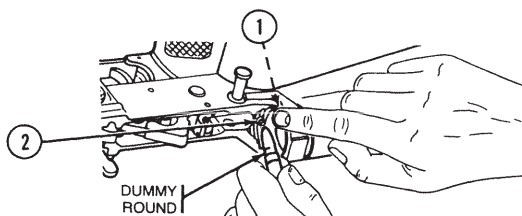


10. Use dummy round (5) to remove extractor pin (8).

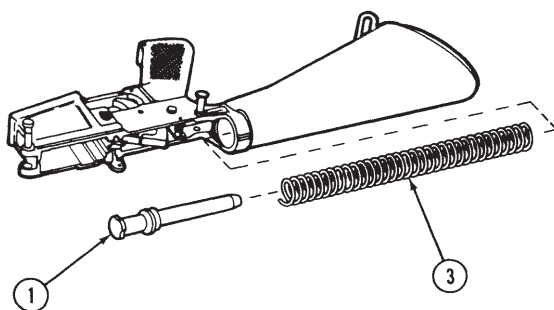
11. Remove extractor (7) and spring assembly (9) from the bolt. Do not remove spring assembly from extractor (9)

Field Stripping Your AR-15

Lower Receiver



1. Press in buffer (1) and depress retainer (2) to release buffer



2. Remove buffer (1) and Spring (3).

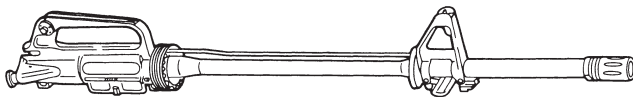
Caution

No further disassembly is advisable.

Cleaning and Lubrication

Upper Receiver and Barrel Assembly

CLEANING

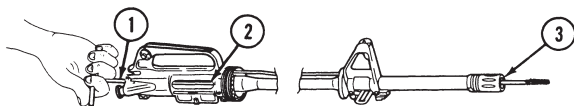


NOTE

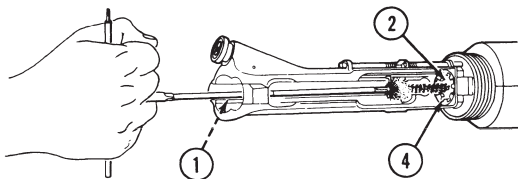
Don't Reverse direction of bore brush while it is in the bore.

Use Cleaner, Lubricant and preservative (CLP) on the following areas:

- A. All areas of powder fouling, corrosion, dirt and rust.
- B. Bore and chamber.
- C. Upper receiver and barrel assembly locking lugs.
- D. Gas tube.

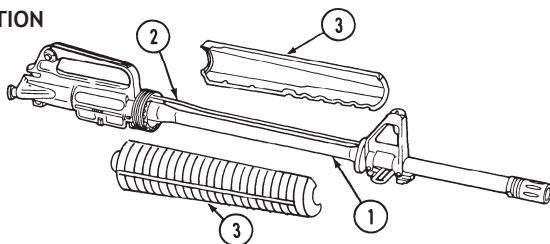


1. Using cleaning rod, bore brush, and CLP. Run the rod through chamber (2) and flash suppressor (3).



2. Install chamber brush on cleaning rod (1), dip in CLP, and insert into chamber (2) and locking lugs (4). Clean by pushing and twisting cleaning rod.

INSPECTION

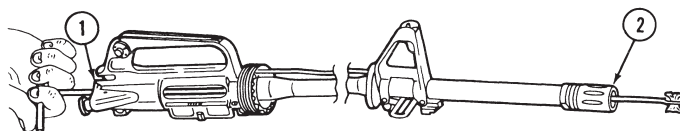


Inspect barrel (1), gas tube(2) and handguards (3) for cracks, bends or breaks. If you think a part is bad, check with a reputable gunsmith.

Cleaning and Lubrication

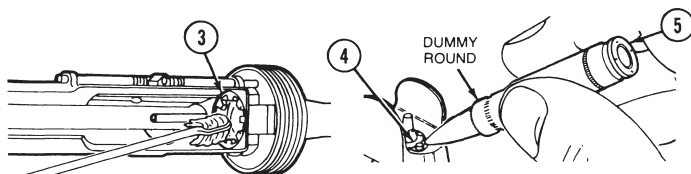
Upper Receiver and Barrel Assembly

LUBRICATION



1. Lightly lubricate bore and chamber, outer surface of barrel and front sight and surfaces under hand guards.

2. Start at the receiver (1) and go right through the flash suppressor (2). Don't reverse directions in bore.



3. Lubricate locking lugs (3).

4. Depress front sight detent (4) several time to work CLP into the spring.

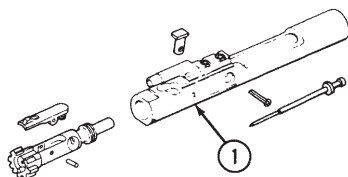
Cleaning and Lubrication

Charging Handle and Bolt Carrier Assembly

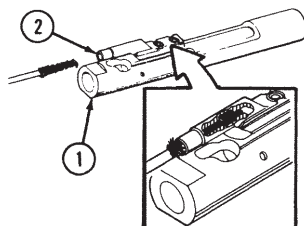
CLEANING

CAUTION

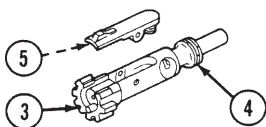
Do not use firing pin to clean inner surfaces of bolt or bolt carrier assembly.



1. Clean all parts and outer surfaces of the bolt carrier assembly (1) with a swab saturated with CLP.



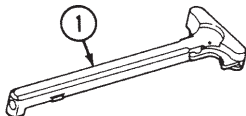
2. Clean the bolt carrier key (2) with a worn bore brush dipped in CLP. Dry with a pipe cleaner. Use a pipe cleaner to apply a light coating of CLP to carrier key (2).



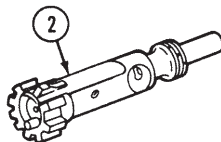
3. Remove carbon deposits and dirt from locking lugs (3) with bore brush dipped in CLP.

4. Clean areas behind bolt rings (4) and under lip of extractor (5).

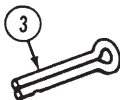
INSPECTION



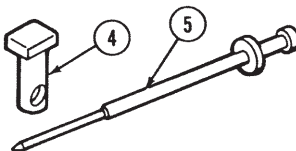
1. Inspect charging handle (1) for bends, breaks or dents.



2. Inspect bolt (2) for cracks and fractures, especially in the cam pin hole area



3. Inspect firing pin retaining pin (3) for bends, breaks or dents.



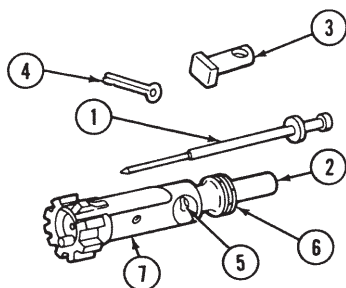
4. Inspect bolt cam pin (4) for cracks or chips.

5. Inspect firing pin (5) for bends, cracks or blunted tip.

Cleaning and Lubrication

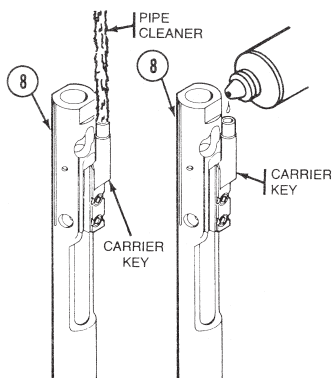
Charging Handle and Bolt Carrier Assembly

LUBRICATION



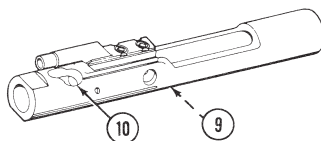
1. Lightly lubricate firing pin (1) and firing pin recess (2) in bolt assembly.

2. Generously lubricate outside of bolt cam pin (3), firing pin and retaining pin (4) with CLP. Be sure to lubricate bolt assembly cam pin hole (5), bolt rings (6) and outside of the bolt assembly (7).

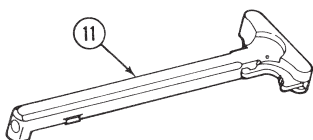


3. Dry the inside of the bolt carrier key (8). Place one drop of CLP into carrier key.

4. With CLP, lightly lubricate inner and outer surfaces of bolt carrier assembly (8). Generously lubricate slide (9) and cam pin area (10).



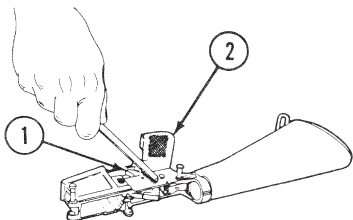
5. Lightly lubricate charging handle assembly (11).



Cleaning and Lubrication

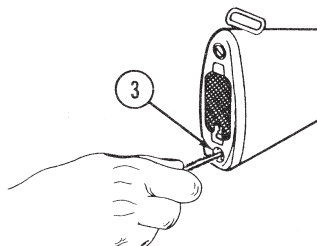
Lower Receiver Assembly

CLEANING

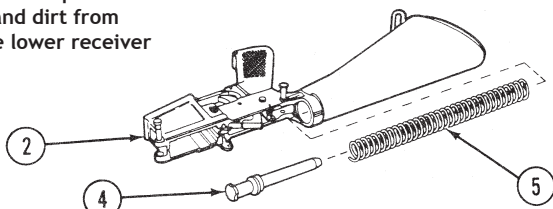


1. Wipe dirt from trigger (1) with a swab.

2. Use a swab dipped in CLP and a cleaning brush to clean powder fouling, corrosion and dirt from outside parts of the lower receiver assembly.



3. Use pipe cleaner to clean buttstock screw drain hole.

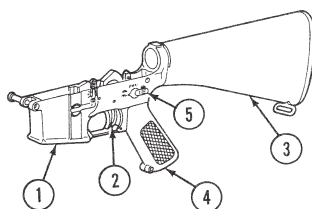


4. Clean buffer assembly (4), spring (5) and inside lower receiver assembly with a swab dipped in CLP. Wipe dry.

INSPECTION

1. Examine lower receiver assembly (1) for broken or bent trigger (2), buttstock (3), corroded or deformed lower receiver (1), cracked or damaged grip (4) and bent or damaged selector lever (5). Look at inside parts of lower receiver (1) for cracks, dents or breaks.

2. If you think any parts are bad, see a reputable gunsmith.

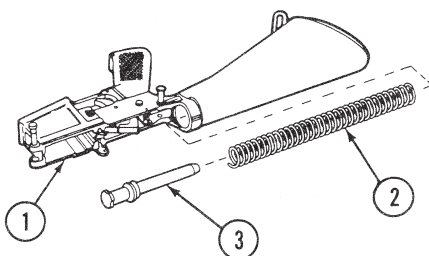


Cleaning and Lubrication

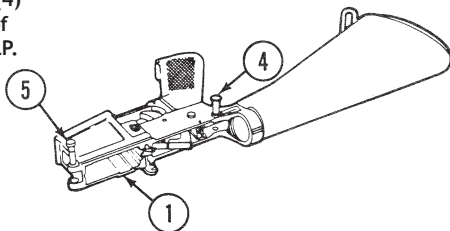
Lower Receiver Assembly

LUBRICATION

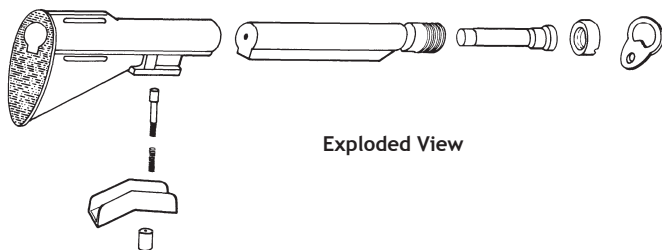
1. Lightly lubricate inside of lower receiver assembly (1), spring (2) and buffer assembly (3) with CLP.



2. Generously lubricate takedown (4) and pivot pins (5) and inside parts of lower receiver assembly (1) with CLP.



M4 Buttstock



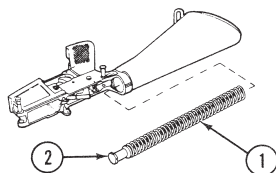
Exploded View

Reassembly

Lower Receiver Assembly, Charging Handle and Bolt Carrier Assembly

Lower Receiver Assembly

1. Insert spring (1) and buffer (2).

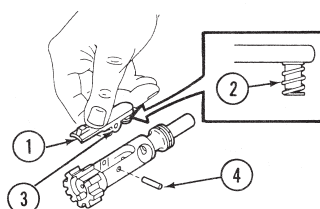


Charging Handle and Bolt Carrier Assembly

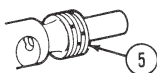
NOTE

Newer extractor has a silicone insert with spring.
Be sure not to lose it.

1. If the spring comes loose, seat the large end of the spring in the extractor.
2. Insert extractor (1) and spring assembly (2) into bolt.
3. Push extractor (1) and spring assembly (2) down. Align hole (3) with hole in the bolt and insert extractor pin (4).

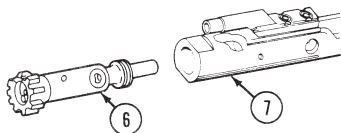


4. Stagger bolt rings (5) to stop gas loss.

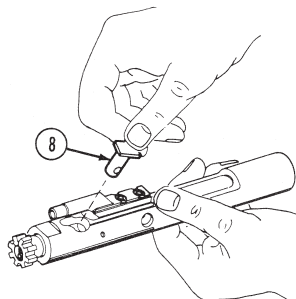


WARNING

Don't switch bolt assemblies between firearms.

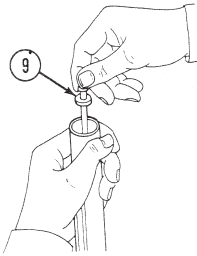


5. Slide bolt assembly (6) into bolt carrier assembly (7).
6. Insert bolt cam pin (8) and give it a 1/4 turn.

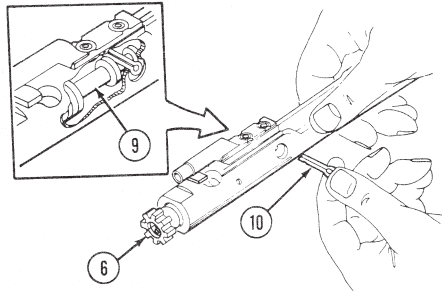


Reassembly

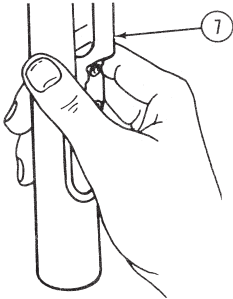
Charging Handle and Bolt Carrier Assembly Continued



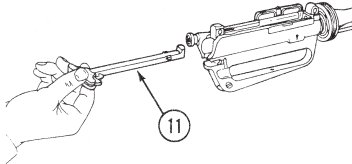
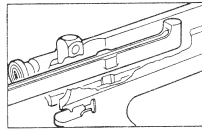
7. Drop firing pin (9) in opening and seat.



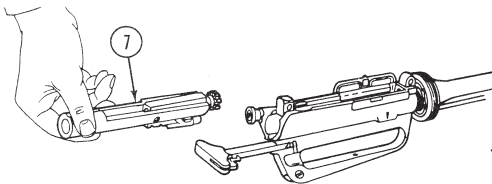
8. Pull bolt assembly (6) back and replace firing pin retaining pin (10).



9. Turn bolt carrier assembly (7) over and try to shake out firing pin.

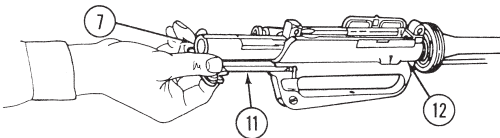


10. Engage, then push, charging handle assembly (11) part way into upper receiver.



NOTE
Be sure bolt assembly is extended forward from bolt carrier.

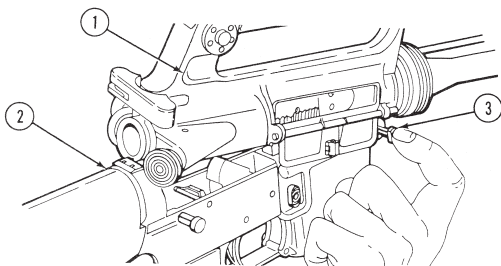
11. Slide bolt carrier assembly (7) into upper receiver.



12. Push charging handle assembly (11) and bolt carrier assembly (7) together into upper receiver (12).

Reassembly

Joining Upper and Lower Receiver, Handguards and Sling



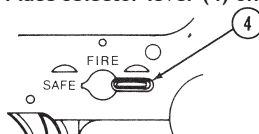
1. Join Upper receiver (1) and lower receiver (2).

2. Align the pivot pin holes and push pivot pin (3) in.

WARNING

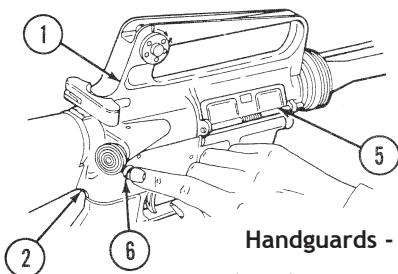
Selector lever must be on safe before closing upper receiver.

3. Place selector lever (4) on safe.



WARNING

Ejection port cover must be closed before closing upper and lower receiver to prevent damage.



4. Close ejection port cover (5).

5. Close upper receiver (1) and lower receiver (2). Push in takedown pin (6).

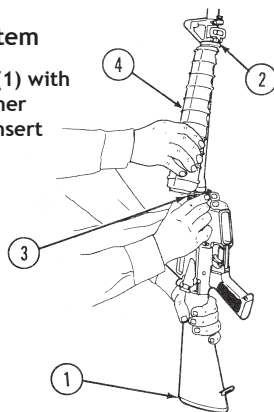
Handguards - The Buddy System

1. Place the weapon on the buttstock (1) with one hand gripping the stock and the other gripping the lower end of the barrel. Insert hand guard into handguard cap (2).

2. Have your buddy press down on the delta ring (3)

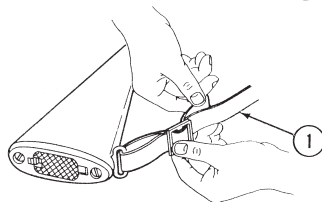
3. Install handguard (4).

4. Repeat these steps to install other handguard.



SLING

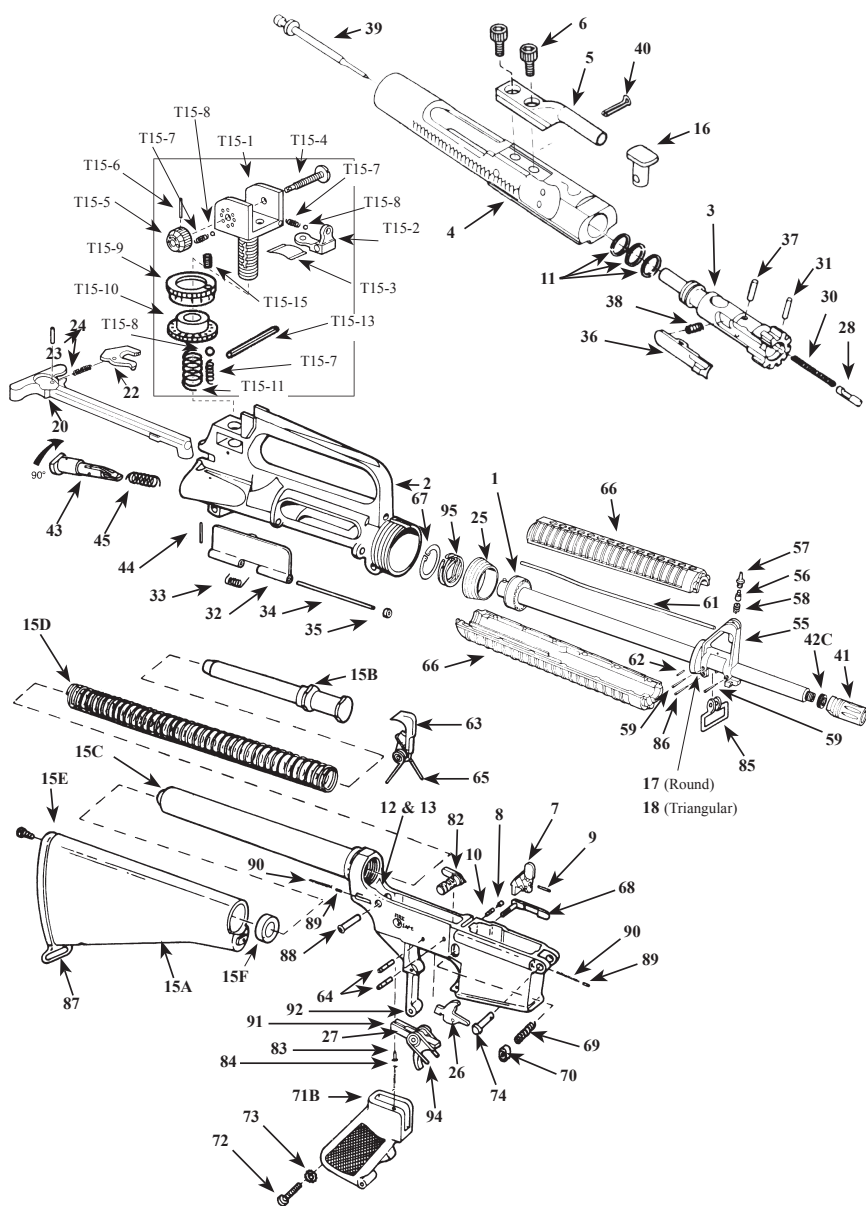
1. Attach Sling (1).



Shooter's Notes

[illegible]

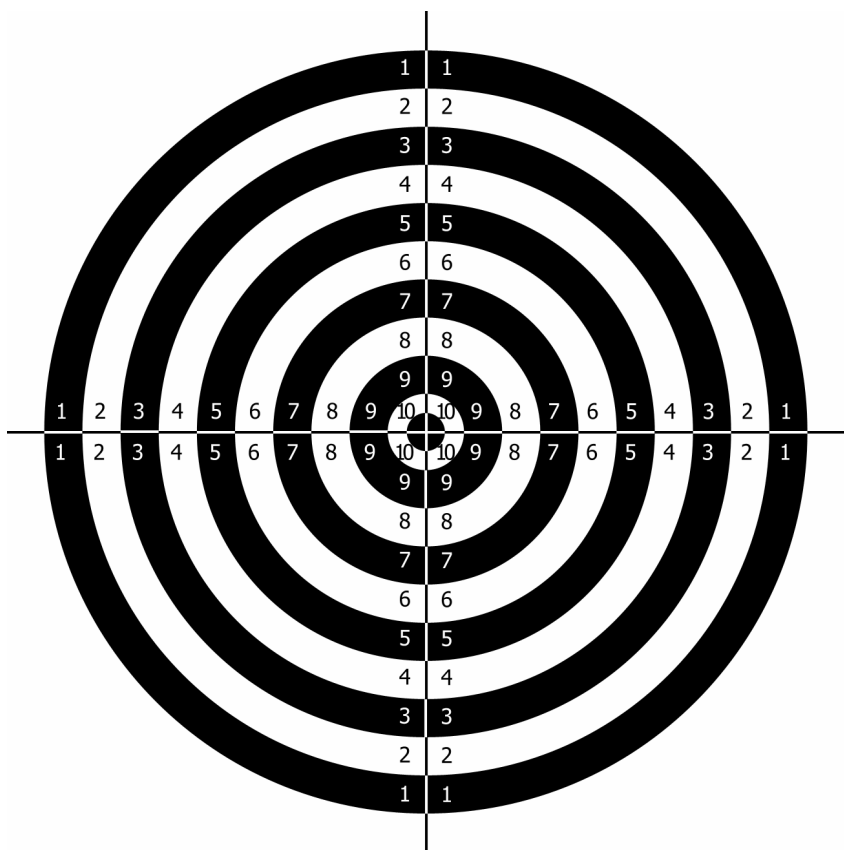
AR-15 Parts Reference



AR-15 Parts Reference

Code	Description
AR1	Barrel nut
AR2	A2 upper receiver, stripped
AR3	Bolt, complete, .223 / 5.56
PC26-9	Bolt, complete, pistol caliber, 9mm
PC26-10	Bolt, complete, pistol caliber, 10mm
PC26-40	Bolt, complete, pistol caliber, 40 S&W
PC26-45	Bolt, complete, pistol caliber, 45 ACP
AR3-310	Bolt, complete, 7.62x39mm
AR36.8	Bolt, complete, 6.8 Remington / SPC
AR4	Bolt carrier
AR4FA	Bolt carrier, full-auto configuration
AR5	Bolt carrier key
AR6	Bolt carrier key screw
AR7	Bolt catch
AR8	Bolt catch plunger
AR9	Bolt catch roll pin
AR10	Bolt catch spring
AR11	Bolt gas rings, set
AR11B	ERing 1 Piece gas ring
AR12	Buffer detent
AR13	Buffer detent spring
AR14A	Buttstock, M4, buffer weight
AR14B	Buttstock, M4, buffer spring
AR14C	Buttstock, M4, receiver tube
AR14C1	Buttstock, M4, long receiver tube
AR15	Buttstock, A2, assembly (same as T31)
AR15A	Buttstock, A2, shell assembly
AR15B	Buttstock, A2, buffer weight
AR15C	Buttstock, A2, receiver tube
AR15D	Buttstock, A2, buffer spring
AR15E	Buttstock, A2, screw
AR15F	Buttstock, A2, spacer
AR16	Cam pin
AR17	Hand guard cap, front, round
AR18	Hand guard cap, front, triangle
AR20	Charging handle, complete
AR22	Charging handle, latch
AR23	Charging handle, latch roll pin
AR24	Charging handle, latch spring
AR25	Delta ring
AR26	Disconnecter
AR27	Disconnecter spring
AR28	Ejector
AR30	ESEJ Ejector spring
AR31	Ejector roll pin
AR32	Ejection cover
AR33	Ejection cover, spring
AR34	Ejection cover, hinge pin
AR35	Ejection cover, hinge pin clip
AR36	Extractor
AR37	Extractor pin
AR38	Extractor spring; HD w/o insert
AR39	Firing pin
AR40	Firing pin, retaining pin
AR41	Flash suppressor, A2 birdcage
AR42C	Flash suppressor, compression washer
AR43	Forward assist, round
AR44	Forward assist, retainer pin
AR45	Forward assist, spring
AR55	Front sight base
AR56	Front sight detent

Code	Description
AR57	Front sight post
AR57A	Front sight post, square
AR58	Front sight post, detent spring
AR59	Front sight base, taper pin
AR60	Gas tube, carbine length
AR61	Gas tube, rifle length
AR62	Gas tube roll pin
AR63	Hammer
AR64	Hammer / trigger pin
AR64	Hammer / trigger pins, anti-walk set
AR65	Hammer spring
AR66	Handguards Rifle length, w/o liners
AR67	Handguard snap ring
AR68	Magazine catch
AR69	Magazine catch spring
AR70	Magazine catch button
AR71A	Pistol grip, stowaway
AR71B	Pistol grip, A2, non-stowaway
AR72	Pistol grip screw
AR73	Pistol grip screw washers
AR74	Receiver pin, front pivot
AR82	Safety selector
AR83	Safety detent
AR84	Safety spring
AR85	Swivel, front
AR86	Swivel pin
AR87	Swivel, rear
AR88	Receiver pin, rear takedown
AR89	Receiver pin, detent
AR90	Receiver pin, detent spring
AR91	Trigger
AR92	Trigger guard
AR93	Trigger guard pin
AR94	Trigger spring
AR95	Weld spring
AR96	Lock ring
AR97	Receiver plate
AR75	A1 Rear sight
AR76	A1 Rear sight adjusting screw
AR77	A1 Rear sight detent spring
AR78	A1 Rear sight detent
AR79	A1 Rear sight leaf spring
AR80	A1 Rear sight windage drum
AR81	A1 Rear sight windage drum roll pin
T15-1	A-2 Sight base
T15-2	A-2 Sight aperture
T15-3	Leaf spring
T15-4	Windage screw
T15-5	Windage knob
T15-6	Windage knob roll pin
T15-7	Windage knob spring
T15-7	Sight base constant alignment spring
T15-7	Elevation wheel ball-bearing spring
T15-8	Ball bearing
T15-9	Elevation wheel cap
T15-10	Elevation adjustment wheel
T15-11	Elevation base spring
T15-13	Sight base elevation lock roll pin
T15-15	Elevation wheel lock screw



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