



**ARMALITE®, INC
OWNER'S MANUAL
FOR
AR-24™ SERIES PISTOLS**



⚠ READ THIS MANUAL THOROUGHLY, PARTICULARLY THE WARNINGS, BEFORE USING THIS FIREARM! IT'S IMPORTANT!

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**ArmaLite®, Inc.
P.O. Box 299
Geneseo, Illinois, USA 61254
1-800-336-0184
www.ArmaLite.com**



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PO Box 299, Geneseo IL 61254 309-944-6939 info@armalite.com

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1. READ THIS FIRST!

Throughout this manual you will find **WARNINGS** and/or **CAUTIONS** printed in bold print. All **WARNINGS** and **CAUTIONS** should be read carefully and followed completely. **WARNINGS** discuss issues that could result in damage to your firearm, or injury or death to you or a bystander. **CAUTIONS** discuss issues that could result in damage or malfunction of your firearm.



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

This manual provides instructions on the operation and maintenance of your ArmaLite® firearm. Read and understand it carefully before you try to use your firearm. Your safety, and that of those around you, depends on your knowledge of your firearm and on your knowledge of safety rules common to all firearms. Please study the common-sense safety rules noted in this manual. Your first responsibility as a gun owner is always safety!

Your second responsibility as a gun owner is security. Make sure that your firearm remains in responsible hands...YOURS! Don't become an unwitting partner in a crime or tragedy: make sure your firearm is properly secured. Lock it in a secure storage container or, if none is available, remove the slide and barrel and store them separately.

If you have more than one similar firearm, make sure that you specifically identify the removed component with its original firearm because the components may not be interchangeable.

It is also your responsibility to assure that you comply with all federal, state, and local laws with regard to the purchase, ownership, use, and storage of your firearm.

NOTICE: THIS MANUAL MAY COVER NUMEROUS MODELS AND/OR CALIBERS OF OUR FIREARMS. THE TEXT, PICTURES, AND EXPLODED VIEWS DO NOT NECESSARILY DEPICT ALL MODEL VARIATIONS. YOU MAY NEED TO CONTACT US FOR INFORMATION ON PARTS THAT ARE UNIQUE TO YOUR MODEL

NOTICE

ArmaLite® has no control over the use of your firearm, and shall not be responsible for injury, death, or damage to property resulting from either intentional or accidental discharge of this firearm. In addition, ArmaLite® shall not be responsible for proper function of the firearm when it is used for purposes or subjected to treatment for which it was not intended. ArmaLite® will not honor claims which may result from careless or improper handling, unauthorized adjustments or parts replacement, corrosion, neglect, use of the wrong type or caliber of ammunition, or the use of ammunition other than original, high quality commercially manufactured ammunition in good condition or any combination thereof.

2. SAFETY FIRST! IT'S YOUR RESPONSIBILITY!

- * Treat every gun as if it is loaded ...AT ALL TIMES!**
- * Always keep the muzzle pointed in a safe direction.**
- * Never point your firearm at anything that you do not intend to shoot.**
- * Keep your finger off the trigger and out of the trigger guard until you are aiming at your target and ready to shoot.**
- * Always keep the safety in the "SAFE" position, especially when the firearm is loaded and cocked, until you are ready to fire.**
- * Always keep and carry your firearm with an empty chamber until you intend to shoot, so that your firearm cannot be fired unintentionally. Firearms should be unloaded when not actually in use.**
- * Be sure of your target and backstop before you shoot. Ask yourself what your bullet will hit if it misses or goes through the target.**
- * Never shoot at hard, flat surfaces or water...bullets can ricochet.**
- * Always wear hearing and eye protection when shooting.**
- * Discharging firearms in poorly ventilated areas, cleaning firearms, or handling ammunition may result in exposure to lead, a substance known to be associated with birth defects, reproductive harm, and other serious injury. Have adequate ventilation at all times and wash hands after handling.**
- * Be sure that your barrel is clear of obstructions, including excessive oil, grease, cleaning patches, etc before shooting.**
- * Use only clean, high quality factory loaded ammunition in good condition. ArmaLite® cannot condone the use of handloaded ammunition. Any such use voids the ArmaLite® warranty.**
- * Do not alter or modify your firearm.**
- * Do not try to change your firearm's trigger pull because alterations of trigger pull can affect sear engagement and might cause accidental firing.**
- * Store firearms and ammunition separately and beyond children's reach.**

IN CASE OF MALFUNCTION, STOP! REVIEW THIS MANUAL TO IDENTIFY AND RESOLVE THE PROBLEM. IF YOU CANNOT RESOLVE IT, CONTACT ARMALITE®.

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

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4. SAFE STORAGE

⚠ WARNING: ALWAYS ASSURE THAT YOUR FIREARM IS COMPLETELY UNLOADED BEFORE INSTALLING YOUR LOCKING DEVICE. REMEMBER THAT EVERY LOCK CAN BE DEFEATED. ALWAYS TREAT YOUR FIREARM AS IF IT WERE LOADED. ALWAYS STORE YOUR FIREARM IN A SAFE LOCATION, SEPARATE FROM THE AMMUNITION, AND SEPARATE FROM THE KEYS TO THE LOCKING DEVICE.



PHOTO 1

ArmaLite® supplies a locking device with each new pistol. Use only the locking device that is supplied with your ArmaLite® pistol. ArmaLite® cannot be responsible for the adequacy of any other locking device. If you lose your locking device, or if you purchase a used ArmaLite® pistol without its associated locking device, contact ArmaLite® to purchase another locking device.

To install your ArmaLite® locking device:

1. Keep the muzzle pointed in a safe direction and your finger out of the trigger guard.
2. Be sure the pistol is completely unloaded. Remove the magazine, retract the slide and lock it back with the slide stop. Visually assure that the chamber is empty (See Photo 10).
3. Install the locking device by threading it down through the ejection port and the magazine well. Lock the cable into the lock. Pull on the lock to assure that the cable is securely locked into it.
4. Store the keys for the locking device in a secure location separately from the locked pistol. Store the ammunition separately from the pistol.

If you do not have a locking device, store the pistol in a secure location or remove the slide and barrel from the pistol and store them separately in a secure location separate from the ammunition.

⚠ WARNING: IF YOU HAVE MORE THAN ONE SIMILAR FIREARM, MAKE SURE THAT YOU SPECIFICALLY IDENTIFY THE REMOVED BARREL AND SLIDE WITH ITS ORIGINAL FIREARM BECAUSE THE PARTS MAY NOT BE INTERCHANGEABLE.

5. GENERAL INFORMATION

Congratulations on your purchase of the ArmaLite® AR-24™ pistol. This pistol is designed to serve you as a reliable protection device, focusing upon solid, traditional construction as well as dependability.

The AR-24™ is a dramatic departure from ArmaLite®'s tradition of new product development. Unlike ArmaLite®'s usual emphasis on the latest materials and processes, the AR-24™ emphasizes the finest ordnance materials and the construction standards of an earlier era when only the highest quality and technical excellence was trusted to protect life and property.

In so doing, ArmaLite® diverged from the industry trend to inexpensive materials and construction techniques. The frame, slide, and barrel, for instance, are all expensively machined from ordnance alloy steel forgings in one of the most modern firearm factories in the world. Machined surfaces are flat and straight, showing a finish devoid of machine marks that would please the most finicky gunsmith. The rifling is finely cut, rather than button rifled, to provide the ultimate engagement of bullet to bore. The pistol is then finished with military-grade manganese phosphate and heat-cured epoxy for outstanding corrosion resistance.

The AR-24™ is designed not only to be accurate and reliable, but beautiful as well. Great care has been taken to ensure that the fit of the pistol to the shooter's hand, and the angle of the grip to the sights assure quick, natural aim and accuracy. Fast sighting even under low light conditions is assured by a three-dot sight system. The AR-24™ is a handgun that anybody can be proud to own.

The new ArmaLite®'s lines are reminiscent of a classic line extending from the elegant but expensive French M1935A designed by Charles Petter, and down through subsequent famed pistols to the AR-24™. In terms of form and function it can be thought of as fitting between the SIG P-210(tm) and the CZ-75(tm). Extensive emphasis on design excellence and durability has driven this pistol from the ordinary to the extraordinary, and is reinforced in the artistry of the design.

The AR-24™ is offered in both full-sized 16 round and compact 14 round (including 1 round in the chamber) steel-framed models, and in a special version supplied with finely checkered forestrap and backstrap and adjustable sights. Also, versions are available with 10 round magazines for localities where magazine capacity is restricted.

We believe that you'll be as proud to own this pistol as we are to bring it to the market.



Mark A. Westrom
President

AR-24™ is a trademark of ArmaLite®. P210 is a trademark of SIG. CZ-75 is a trademark of CZ

The AR-24™ is a rugged, reliable, locked breech, high capacity handgun featuring recoil operation and a double action trigger mechanism. It is ideally suited to military, police, and security uses. It offers excellent accuracy, excellent feel and natural pointing, and long life. It features multiple safety devices:

1. Manual safety
2. Automatic firing pin block safety. The pistol cannot fire if the trigger isn't pulled even if the manual safety is not engaged.
3. Inertial firing pin. Even when the manual safety is off and the hammer down on a loaded chamber, the firing pin cannot contact the primer.
4. Automatic disconnect to prevent firing unless the slide and barrel are locked together.
5. Half-cock notch on hammer to help prevent firing if the hammer slips from your grasp as you are cocking it or if pistol is dropped.



WARNING: REMEMBER THAT ALL SAFETIES ARE SIMPLY MECHANICAL DEVICES, AND AS SUCH, COULD POSSIBLY FAIL. NEVER DEPEND ON ANY SAFETY TO JUSTIFY UNSAFE GUN HANDLING. ALWAYS KEEP THE CHAMBER EMPTY AND THE FIREARM POINTED IN A SAFE DIRECTION EVEN WHEN THE MANUAL SAFETY IS ON.



WARNING: THE HALF COCK NOTCH SHOULD NOT BE USED IN LIEU OF THE MANUAL SAFETY.

THEORY OF OPERATION. When fired, propellant gasses force the bullet out of the bore. An equal rearward thrust forces the locked slide and the barrel to the rear. As they travel rearward, a camming slot through the bottom of the moving barrel contacts the fixed shaft of the slide stop and the interaction forces the rear of the barrel downward to unlock the barrel from the slide. The barrel is halted by contact with the receiver; but the slide continues to the rear under its momentum, extracts the cartridge from the chamber, and pushes the hammer to the rear so that it may be caught by the sear. Rearward movement of the slide allows the next cartridge in the magazine to rise to the magazine feed lips and into the path of the slide's breech face. The cartridge case moving rearward with the slide strikes a fixed ejector, and then pivots about the extractor and out of the ejection port. Rearward movement of the slide is halted by the receiver, and the recoil SPR®ing (s), which was compressed during rearward movement of the slide, expands and forces the slide forward. The breech face of the forward-moving slide strikes the rear of the top cartridge, forcing it forward, up the feed ramp and into the chamber until the extractor snaps over the rim of the cartridge case. The slide strikes the barrel to carry it forward. As the cam slot of the barrel passes around the shaft of the slide stop an angled surface strikes the shaft and the barrel is forced upward. This allows the locking lugs of the barrel to engage matching locking slots in the slide.

The AR-24™ is a high quality pistol produced with advanced manufacturing techniques and of the highest quality materials. The pistol's construction features extensive use of forgings, and extensively machined parts. In a day when low cost manufacturing techniques are emphasized almost everywhere, ArmaLite®'s pistols hearken back to a day when no cost was spared to build tough, beautiful firearms that would serve well for generations.



WARNING: YOUR ARMALITE® FIREARM WAS DESIGNED TO FUNCTION PROPERLY WITH ITS ORIGINAL COMPONENTS. ALTERATIONS TO ITS ORIGINAL COMPONENTS OR REPLACEMENT OF THEM WITH AFTERMARKET (NON-ARMALITE®) COMPONENTS CAN CAUSE MALFUNCTIONS OR EVEN MAKE THE FIREARM UNSAFE. DO NOT ALTER ANY PART OR ADD / SUBSTITUTE PARTS NOT PROVIDED BY ARMALITE® INC.

6. KEY FEATURES AND CONTROLS



PHOTO 2



PHOTO 3

Note: The full size pistol has one recoil SPR®ing. The compact pistol has dual (inner and outer) recoil SPR®ings.

7. AMMUNITION

Nomenclature of cartridges can be confusing. It is vital that you understand cartridge nomenclature and only fire cartridges for which this firearm was designed. To assist you, the name of the appropriate cartridge will be etched on the receiver and/or barrel of each ArmaLite. (More information regarding cartridge nomenclature can be found in the Tech Notes on our website.)



WARNING: USE OF INCORRECT AMMUNITION CAN CAUSE FIREARM DAMAGE, PERSONAL INJURY, OR DEATH. MAKE ABSOLUTELY CERTAIN THAT YOU ARE USING CARTRIDGES DESIGNED FOR YOUR FIREARM. DO NOT FIRE OLD, CORRODED, DEFORMED, OR HANDLOADED AMMUNITION. IF YOU HAVE ANY QUESTIONS, CONTACT ARMALITE® BEFORE FIRING.

ArmaLite® AR-24™ Series Pistols are chambered for the 9mm x19 Parabellum cartridge (also known as the 9mm Luger). Do not attempt to fire any other cartridges in this firearm.

Start with high quality ammunition loaded to SAAMI (Sporting Arms and Ammunition Manufacturer's Institute) or CIP (International Proof Commission for Firearms) standards. Avoid corrosively primed surplus ammunition.

Use only factory ammunition of high quality in your AR-24™. Some ammunition, especially foreign or surplus ammunition, can be old or weakly loaded or defective. (There's a reason surplus ammunition is surplus.) The pistol is finely fit, and may seem a bit sluggish until broken in (about 200 rounds).

Only good quality factory-loaded copper or gilding metal clad ammunition should be used in this pistol. 124 grain bullets are best suited to this pistol. Use of +P or +P+ high pressure ammunition will shorten the life expectancy of all handguns, including the AR-24™, and should be limited to duty carry.

ArmaLite® disclaims any and all responsibility for any damage or injury whatsoever occurring in connection with or as a result of the use of faulty, hand loaded, remanufactured, or other cartridges for which this firearm was not designed.

NOTE: Some types/brands of ammunition have unique characteristics (e.g. extremely light or heavy projectiles, particularly soft cartridge cases, propellant that burns unusually slowly or rapidly) that reduce its reliability in any semiautomatic firearm. ArmaLite recommends that you purchase and test a small quantity of any type of ammo in your firearm before you buy large quantities.

8. INITIAL ASSEMBLY, INSPECTION, AND CLEANING

8.1 INITIAL ASSEMBLY

Your AR-24™ comes to you completely assembled. However, you should conduct an initial inspection and initial cleaning before firing it. The below sections explain those procedures.

8.2 INITIAL INSPECTION

Your pistol is shipped in a sturdy carrying case with two magazines, an owner's manual, cleaning equipment, two fired cartridge cases, a locking device, and (with adjustable sight models) sight adjustment tools (See Photo 3). The manual may be packed beneath the foam in the lid of the carrying case.

Certain states require that new pistols be shipped with a cartridge case that has been fired from the pistol. In those jurisdictions, the dealer must ship the cartridge case to state authorities at the time he sells the pistol. Inasmuch as ArmaLite® does not control where its pistols may be sold at retail, we choose to include two fired cases with each pistol. If you don't live in such a jurisdiction, you will find the two fired cases in your carrying case.


 **WARNING: READ THIS MANUAL COMPLETELY AS YOU INSPECT YOUR ARMALITE® FIREARM. MAKE CERTAIN THAT YOU UNDERSTAND HOW TO ASSEMBLE, OPERATE, DISASSEMBLE, MAINTAIN, AND STORE YOUR FIREARM SAFELY BEFORE YOU USE IT.**

As you familiarize yourself with your pistol, (and any time you disassemble and reassemble a firearm), you should conduct a functional check of it as described in the REASSEMBLY section below.

8.3 INITIAL CLEANING

Your AR-24™ was test fired and preserved for shipping with conventional light oil. Before firing, you should clean and lubricate the pistol in accordance with the disassembly, maintenance, and reassembly instructions in this manual.

ArmaLite® firearms are made more tightly than other firearms of similar design. A break-in period of 200 rounds allows machined surfaces to smooth out the firearm's action. Lubricate the firearm well before firing.

 **WARNING: TO ASSURE ITS PROTECTION FROM CORROSION, YOUR ARMALITE® FIREARM HAS BEEN SHIPPED WITH PRESERVATIVE OIL IN THE BORE. FIRING THE FIREARM WITH PRESERVATIVE IN THE BORE CAN INCREASE PRESSURES, WITH POSSIBLE FIREARM DAMAGE OR PERSONAL INJURY OR DEATH. CLEAN AND DRY THE BORE BEFORE FIRING YOUR ARMALITE® FIREARM.**

9. LOADING AND FIRING

9.1 LOADING THE AR-24™ MAGAZINE



PHOTO 4

Insert each cartridge by positioning it at the front of the lips at the top of the magazine, with the bullet tip pointing forward, and pressing it straight down so that it may be pressed straight back into the magazine until it stops (See Photo 4). Repeat until the magazine is full.

Take it easy with your magazines. Keep them clean, dry, and don't pound them into the pistol. It looks great in the movies but can damage them. Insert the magazine fully into the pistol; then tug downward on it to assure it's securely locked into the pistol.

9.2 LOADING THE AR-24™ PISTOL AND CHAMBERING THE FIRST ROUND



PHOTO 5



PHOTO 6

⚠ WARNING: ALWAYS KEEP THE SAFETY IN THE “SAFE” POSITION UNTIL YOU ARE READY TO FIRE THE FIREARM (SEE PHOTOS 5 & 6). REMEMBER THAT THE SAFETY IS SIMPLY A MECHANICAL DEVICE, AND AS SUCH, COULD POSSIBLY FAIL. NEVER DEPEND ON ANY SAFETY TO JUSTIFY UNSAFE GUN HANDLING. ALWAYS KEEP THE CHAMBER EMPTY AND THE FIREARM POINTED IN A SAFE DIRECTION EVEN WHEN THE SAFETY IS ON.

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



PHOTO 7



 **WARNING: THE PISTOL HAS A SLIDE THAT MOVES SHARPLY REARWARD WHEN THE CARTRIDGE IS FIRED. DO NOT ALLOW ANY PART OF YOUR BODY TO BE CLOSE BEHIND THE SLIDE WHEN FIRING. IT IS COMMON FOR NOVICE SHOOTERS TO PUT THE WEB OR THUMB OF THE “OFF HAND” BEHIND THE SLIDE, CONSEQUENTLY BEING INJURED (SEE PHOTO 7).**




PHOTO 8



PHOTO 9

 **WARNING: NEVER ALLOW ANY PART OF YOUR BODY TO BE IN FRONT OF THE MUZZLE (SEE PHOTO 8). RETRACT THE SLIDE BY PULLING REARWARD ON THE REAR PORTION OF THE SLIDE (SEE PHOTO 9). THE REAR PORTION OF THE SLIDE IS PROVIDED WITH SERRATIONS FOR THIS PURPOSE.**

 **WARNING: INJURY, DEATH, OR FIREARM DAMAGE CAN RESULT FROM FIRING A FIREARM WITH AN OBSTRUCTION IN THE BORE. BEFORE YOU FIRE, MAKE SURE THAT THE BORE IS NOT OBSTRUCTED. NEVER ATTEMPT TO SHOOT OUT A BORE OBSTRUCTION.**

⚠ CAUTION: PLACING THE SAFETY IN THE “SAFE” POSITION WITH THE HAMMER DOWN OR IN THE HALF-COCK POSITION LOCKS THE HAMMER AND SLIDE IN THEIR FORWARD POSITIONS. DO NOT ATTEMPT TO RETRACT THE HAMMER OR SLIDE WITH THE SAFETY ON AND THE HAMMER DOWN OR IN HALF-COCK.



PHOTO 10



PHOTO 11

1. Begin with the loaded magazine out of the pistol. Keeping your finger off the trigger and out of the trigger guard, and the pistol pointed in a safe direction, cock the hammer. Then, place the safety on “SAFE”. (The safety is in the “SAFE” position when it is angled upward. It is in the “FIRE” position when it is down / horizontal. See Photos 5 & 6.) Pull the slide rearward, and lock it to the rear by pressing the bottom of the slide stop up, then ease the slide forward until it stops against the raised slide stop. Check to see that the chamber is clear and the bore is not blocked (See Photo 10).

2. Push the magazine up into the receiver until the magazine catch engages and holds the magazine (See Photo 11).

⚠ CAUTION: TAKE IT EASY WITH YOUR MAGAZINES. KEEP THEM CLEAN, DRY, AND DON'T POUND THEM INTO THE FIREARM. IT LOOKS GREAT IN THE MOVIES, BUT CAN DAMAGE THEM. INSERT THE MAGAZINE FULLY INTO THE FIREARM. THEN TUG DOWNWARD ON IT TO ASSURE THAT IT'S SECURELY LOCKED INTO THE FIREARM.

3. Pull the slide completely rearward and release it so that the recoil SPR®ing can drive it forward, chambering a cartridge.

⚠ CAUTION: NEVER “RIDE” THE SLIDE FORWARD. LET IT SPR®ING FORWARD AT FULL SPEED. THIS WILL ASSURE THAT IT HAS ADEQUATE VELOCITY TO FULLY CHAMBER THE CARTRIDGE.

9.3 FIRING

The AR-24™ is a double action pistol. Double action means that the pistol can be fired by pulling the trigger regardless of whether the hammer is cocked/rearward or uncocked/forward. And the safety can be put in the “SAFE” position with the hammer in either position. Manually cocking the hammer before firing the first cartridge will afford a shorter, lighter trigger pull. After you have fired the first cartridge, the slide will automatically recock the hammer for each subsequent shot.

Aim at the target. Set the safety to “FIRE”, grip the pistol firmly, and pull the trigger straight to the rear, increasing the pressure until the shot fires.

Note: Gripping the pistol loosely when firing can cause the pistol slide to return to battery slowly or weakly. This is a shooter error, not a pistol malfunction.



WARNING: IF THE FIREARM FAILS TO FIRE WHEN THE TRIGGER IS PULLED:

- 1. KEEP THE FIREARM POINTED AT THE TARGET!!!**
- 2. WAIT 15 SECONDS TO ALLOW A POSSIBLE “HANGFIRE” TO GO OFF. THEN,**
- 3. CHECK TO SEE IF THE SAFETY IS ENGAGED BY MISTAKE. IF SO, PUSH THE SAFETY TO THE “FIRE” POSITION AND FIRE.**
- 4. IF THE FIREARM STILL DOESN'T FIRE, BE CAUTIOUS AND ASSUME THAT THE CARTRIDGE WILL DISCHARGE WHEN THE SLIDE IS OPENED.**
- 5. OPEN THE SLIDE QUICKLY AND UNLOAD THE FIREARM.**
- 6. EXAMINE THE FIREARM AND CARTRIDGE CAREFULLY TO IDENTIFY THE CAUSE OF THE MALFUNCTION.**



WARNING: HANDLING OF CARTRIDGES AND FIRING FIREARMS MAY EXPOSE YOU TO LEAD. ALWAYS ASSURE THAT THERE IS ADEQUATE VENTILATION. ALWAYS WASH YOUR HANDS AFTER HANDLING AMMUNITION OR FIRING YOUR FIREARM.




WARNING: THIS FIREARM WILL FIRE WITHOUT A MAGAZINE IN IT. ALWAYS ASSURE THAT THE CHAMBER IS EMPTY. THE FIREARM SHOULD NOT BE CONSIDERED TO BE SAFE UNLESS THE MAGAZINE IS REMOVED, THE SAFETY IS ON, THE SLIDE IS OPEN, AND THE CHAMBER IS EMPTY.




WARNING: THE FIRED CARTRIDGE CASE IS HOT WHEN IT IS EJECTED FROM THE FIREARM. DO NOT ALLOW IT TO BURN YOU OR TO DISTRACT YOU FROM SAFE HANDLING OF THE FIREARM.

The slide will automatically lock to the rear when the last round in a magazine is fired and the pistol is empty. Reload by pressing the magazine catch in to remove the empty magazine, insert a loaded magazine, and pull the slide fully to the rear and release it

10. CLEARING / UNLOADING THE FIREARM

 **WARNING: ALWAYS ASSUME ALL FIREARMS ARE LOADED. ANYTIME YOU HANDLE A FIREARM, YOU SHOULD IMMEDIATELY INSPECT IT TO ASSURE THAT IT IS COMPLETELY UNLOADED.**

 **WARNING: IF YOU KNOW NOTHING ELSE ABOUT YOUR ARMALITE® FIREARM, YOU MUST KNOW HOW TO UNLOAD IT AND CLEAR IT TO MAKE IT SAFE.**

 **WARNING: ALWAYS KEEP YOUR FINGER OFF THE TRIGGER AND OUT OF THE TRIGGER GUARD AS YOU UNLOAD AND CLEAR YOUR FIREARM (SEE PHOTO 9). KEEP THE FIREARM POINTED IN A SAFE DIRECTION.**

1. Manually cock the hammer. Then, place the safety lever on “SAFE” (See Photos 5 & 6).

2. Remove the magazine by pressing the magazine catch (See Photo 3) and pulling the magazine down and out of the receiver.

 **CAUTION: THE MAGAZINE IS DESIGNED TO FALL FREE WHEN THE MAGAZINE CATCH IS PRESSED. DON'T ALLOW THE MAGAZINE TO FALL ONTO A HARD SURFACE. DOING SO MAY DAMAGE THE MAGAZINE.**

3. Pull the slide fully rearward, extracting the cartridge (if any) from the chamber (See Photo 9). If there is a cartridge in the chamber, it should be extracted and ejected from the firearm.

4. Look into the chamber to assure that it does not contain a cartridge (See Photo 10).

 **WARNING: NEVER ASSUME THAT THE CHAMBER IS EMPTY UNTIL YOU HAVE VISUALLY EXAMINED IT AND SEE THAT IT IS EMPTY (SEE PHOTO 10).**



PHOTO 12


5. To lock the slide open, press the bottom of the slide catch upward while holding the slide to the rear, and then allow the slide to move forward until the slide stop holds it (See photo 12).

6. Remove any remaining cartridges from your magazines.



WARNING: THE STEPS IN UNLOADING YOUR FIREARM MUST BE FOLLOWED IN THE EXACT ORDER GIVEN. THE MAGAZINE MUST BE REMOVED BEFORE THE CHAMBER IS INSPECTED. IF YOU CLEAR THE CHAMBER BEFORE REMOVING THE MAGAZINE, YOU MIGHT ACCIDENTLY REMOVE ONE CARTRIDGE FROM THE CHAMBER AND THEN, UPON CLOSING THE SLIDE, CHAMBER ANOTHER CARTRIDGE FROM THE MAGAZINE. THE FIREARM WILL STILL BE LOADED. REMEMBER THAT A CARTRIDGE IN THE CHAMBER CAN STILL BE FIRED EVEN AFTER THE MAGAZINE IS REMOVED.

11. ZEROING THE SIGHTS

 **WARNING: ALWAYS ASSUME ALL FIREARMS ARE LOADED. ANYTIME YOU HANDLE A FIREARM, YOU SHOULD IMMEDIATELY INSPECT IT TO ASSURE THAT IT IS COMPLETELY UNLOADED.**

11.1 ADJUSTING FRONT SIGHTS



PHOTO 13

Front sights are of two types: permanently fixed and dovetailed. Dovetailed sights are equipped with a set screw to allow it to be removed and replaced, or to allow shifting the strike of the bullet (See Photo 13). There are no clicks or reference lines, so adjustments must be made by trial and error.

11.2 ADJUSTING REAR SIGHTS

Fire a five shot group at the target. ArmaLite® recommends a “center hold” on the target, especially for pistols to be used by police, military, and security users.



PHOTO 14

Adjustable rear sight: Using the tool supplied with your pistol or a fine screwdriver suited to the small size of the adjustment screws, shift the rear sight in the same direction you wish the bullet strike to move. Turning the elevation screw clockwise lowers the point of impact. Turning the windage screw clockwise moves the point of impact to the right (See Photo 14).

APPROXIMATE IMPACT SHIFT PER CLICK OF ADJUSTABLE REAR SIGHT:


Windage: approximately 3/4 inch at 25 meters/yards.

Elevation: approximately 3/4 inch at 25 meters/yards.

Non-adjustable rear sight: The rear sight is precisely fit to the slide, and any shift of the sight will cause it to protrude from the slide. Windage adjustment on fixed sight models should be conducted by loosening the front sight screw and shifting the front sight slightly in the direction OPPOSITE the desired movement of the bullet strike. Windage of adjustable sight models should be changed by adjustment of the moveable rear sight blade.

12. DISASSEMBLY

 **WARNING: ALWAYS UNLOAD YOUR FIREARM BEFORE CLEANING, LUBRICATION, DISASSEMBLY, OR REASSEMBLY**

 **WARNING: ALWAYS WEAR SAFETY GLASSES WHEN DISASSEMBLING, MAINTAINING, OR ASSEMBLING YOUR FIREARM. IN PARTICULAR, THE RECOIL SPRING(S) IS UNDER HIGH COMPRESSION. IF IT SLIPS FROM YOUR GRASP, IT COULD CAUSE INJURY.**

12.1 CLEAR/UNLOAD THE PISTOL

First, unload/clear your pistol and magazines as described in the CLEARING/UNLOADING section of this manual.

12.2 REMOVE THE SLIDE STOP



PHOTO 15

PHOTO 16

Cock the hammer. Put the safety on “SAFE”. Draw the slide to the rear until the dots on the left rear sides of the slide and receiver are aligned one above the other (See Photo 15). This positions the slide stop for removal.

This can be readily accomplished if you hold the slide and receiver of the pistol by placing the thumb of the RIGHT hand through the trigger guard and holding the slide in position by placing your fingers above the slide. Then press the exposed tip of the slide stop (protruding from the right side of the pistol) into the slide (with a fired case or other tool) to start the slide stop out of the receiver to the left side (See Photo 16). You may need to wiggle the slide stop up and down while pulling it out.

12.3 REMOVE THE SLIDE FROM THE RECEIVER



PHOTO 17



PHOTO 18

Ease the slide forward and off the receiver (See Photo 17).

12.4 REMOVE THE BARREL FROM THE SLIDE

With the slide held upside down, ease the recoil SPR®ing guide and recoil SPR®ing(s) forward slightly, then up to draw them rearward and out of their seat in the slide (See Photo 18).

 **WARNING: BE SURE TO CONTROL THE RECOIL SPR®ING GUIDE AND RECOIL SPR®ING(S). IF THEY ESCAPE FROM YOUR GRASP, THEY COULD CAUSE INJURY.**



PHOTO 19

Remove the barrel from the slide. (See Photo 19).

12.5 DISASSEMBLE THE MAGAZINE




PHOTO 20

Using a punch or other small rod, press the floorplate retainer to allow the floorplate to slide forward and off the magazine (See Photo 20). Ease the floorplate retainer, magazine SPR®ing, and follower out of the magazine.

This completes disassembly of the pistol for normal cleaning. No further disassembly is required.

13. MAINTENANCE

 **WARNING: ALWAYS UNLOAD YOUR FIREARM BEFORE CLEANING, LUBRICATION, DISASSEMBLY, OR REASSEMBLY.**

 **WARNING: DO NOT APPLY LUBRICANT OR PRESERVATIVE TO YOUR AMMUNITION. DOING SO MAY CAUSE THE CARTRIDGE TO MALFUNCTION, LEAVING THE BULLET LODGED IN THE BORE, CREATING A BORE OBSTRUCTION.**

Proper cleaning and lubrication is essential to the reliable function, corrosion resistance, and accuracy of the AR-24™. Clean the pistol each time it is fired (especially the bore, which loses protective oils during firing), anytime it becomes wet or dirty by exposure to a sandy/dusty or any adverse environment or dropping it, and before storing it for long periods.

13.1 CLEANING SOLVENTS AND LUBRICANTS

Proper maintenance of the AR-24™ requires only good quality grease and light lubricant, and a high quality cleaning solvent like Hoppes No. 9, which removes metal fouling from the bore excellently.

If special firearm cleaners and lubricants aren't available, a standard automotive carbon removing compound (CRC) serves as an excellent cleaner, and lightweight motor oil (i.e. SAE 5W20 or similar) serves as an excellent lubricant.

In addition to cleaning solvents and lubricants, the basic cleaning equipment you will need includes a cleaning rod, brass bore brush cleaning patches, brush, and the most important item: a lint-free cloth.

13.2 CLEANING THE BARREL

Use a bore brush to remove heavy carbon buildup from inside the barrel. Scrub the barrel inside with a brush dampened with cleaning solvent to remove most of the dirt and powder fouling. Let the solvent sit and work to loosen fouling. For best results, follow the directions on the solvent container.

Install a cleaning patch to the cleaning rod. Apply cleaning solvent to the swab; then run it through the chamber and out the bore several times to scrub and wet the bore. 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 and out the muzzle.

Lightly lubricate the bore, chamber and all outer surfaces of the barrel with a lubricated swab.

 **CAUTION: DO NOT REVERSE THE DIRECTION OF THE BORE BRUSH WHILE IT'S IN THE BORE.**

 **CAUTION: LEAD MAY BE PRESENT IN THE FOULING OF A DIRTY FIREARM. AVOID CONTACT WITH IT, AND CLEAN HANDS AFTERWARD TO AVOID INGESTING LEAD.**

 **CAUTION: NEVER MIX TWO OR MORE BORE CLEANING SOLVENTS. SOME COMBINATIONS OF SOLVENTS PRODUCE ACIDS WHICH MAY DAMAGE THE FIREARM.**

 **CAUTION: MUCH OLD AND/OR SURPLUS AMMUNITION IS PRIMED WITH CORROSIVE MIXTURES THAT LEAVE INVISIBLE SALTS IN THE BORE THAT WILL DRAW MOISTURE FROM THE AIR AND PROMOTE RUST, ESPECIALLY IN THE BORE. AVOID FIRING THIS AMMUNITION. IF YOU DO USE IT, USE WARM SOAPY WATER OR MILITARY-GRADE RIFLE BORE CLEANER THAT CAN DISSOLVE AND REMOVE THESE SALTS, THEN LUBRICATE WELL. REPEAT EACH DAY FOR THREE DAYS. ASSURE THAT ALL NEARBY STEEL SURFACES ARE SIMILARLY CLEANED.**

13.3 SLIDE ASSEMBLY

Wipe the slide assembly inside and out with a cloth or brush dampened with cleaning solvent to remove most of the dirt and powder fouling. Take care to clean the rails that mate to the receiver especially well.

Lightly lubricate the slide assembly with light lubricant, taking particular care to lubricate all sliding or working surfaces.

13.4 RECEIVER ASSEMBLY

Wipe the receiver inside and out with a patch or cloth dampened with cleaning solvent to remove most of the dirt and powder fouling. Take care to clean the rails that mate with the slide especially well.

Lightly lubricate the receiver assembly with light lubricant, taking particular care to lubricate all sliding or working surfaces.



PHOTO 21

The sear surface in particular, should be lubricated with high-quality grease like Super Lube®, especially during break-in. Hold the receiver in your hand, holding the hammer back with the thumb. Look at the rear of the receiver, just above the hammer (See Photo 21). Manually hold the hammer back and pull the trigger. The sear is visible as a horizontal bar that moves up as the trigger is pulled. Dab a bit of grease across this bar and it will lubricate the hammer hooks as the hammer is lowered. Keep the sear greased to keep the trigger pull smooth.

13.5 MAGAZINE

The magazine is one of the most important parts of a pistol... and one of the most neglected. Failure to keep the magazine cleaned and properly lubricated will result in early and frequent malfunctions. It should be cleaned and lubricated whenever contaminated inside with water, sand, or dirt.

Wipe the magazine inside and out with a patch or cloth dampened with cleaning solvent to remove most of the dirt and powder fouling. Lightly lubricate the magazine. The magazine is ready for reassembly.



WARNING: DO NOT BLOCK THE BORE WITH HEAVY PRESERVATIVES. HIGH PRESSURES AND FAILURE OF THE PISTOL CAN OCCUR ON FIRING. ALWAYS ASSURE THAT OLD GREASE OR OIL IS REMOVED FROM THE BORE BEFORE FIRING.

13.6 LONG TERM STORAGE

Clean your firearm well and apply a good quality preservative.

It is at least theoretically possible for some SPR®ings to take a set during prolonged storage. To preclude this possibility, ArmaLite offers the following recommendations regarding long term storage of your firearm.



WARNING: FOLLOW ALL OF THE RULES OF SAFE GUN HANDLING ANYTIME YOU DRY FIRE YOUR FIREARM.



CAUTION: NEVER DRY FIRE YOUR FIREARM WITHOUT THE SLIDE ASSEMBLY INSTALLED. THE FIRING PIN STOPS THE FALL OF THE HAMMER. WITHOUT THE SLIDE ASSEMBLY INSTALLED, THE HAMMER CAN IMPACT ON THE RECEIVER, DAMAGING IT.

Reasonable amounts of dry firing should not damage your firearm.

Clear all cartridges from your firearm. Remove the magazine. Then pull back the slide and visually confirm that the chamber is empty and that there is no cartridge held to the bolt face by the extractor. Then check it again. Then dry fire the firearm to allow the hammer to rotate to the fired position.

It is always best to store your magazines empty. However if you need to store them loaded, we recommend that you store them with 5 rounds less than their stated capacity.

When you're taking your firearm out of long term storage, remove the preservative and lubricate as stated elsewhere in this manual.

14. REASSEMBLY

 **WARNING: ALWAYS UNLOAD YOUR FIREARM BEFORE CLEANING, LUBRICATION, DISASSEMBLY, OR REASSEMBLY.**

14.1 REASSEMBLY

Reassemble the pistol by simply reversing the order of disassembly steps. After each time you disassemble and reassemble it, you should conduct the following functional/safety inspection of it.

14.2 FUNCTIONAL / SAFETY CHECK

To inspect the function of your pistol:

1. First, unload/clear your pistol as described in the CLEARING/UNLOADING section of this manual.
2. Insert an EMPTY magazine into the pistol (See Photo 11).
3. With the hammer cocked to its rearward position, place the safety in the “SAFE” position (See Photo 6).
4. Pull the slide rearward. The follower of the EMPTY magazine should raise the slide stop, latching the slide rearward against the slide stop (See Photo 9).
5. Remove the magazine.
6. Visually inspect the magazine and the chamber to assure that they do not contain any cartridges (See Photo 10).
7. Pull the slide rearward and release it allowing the slide to go forward.
8. The safety should still be on “SAFE” and the hammer must still be in its cocked position. Pull the trigger. The hammer must NOT fall.
9. Put the safety on “FIRE” (See Photo 5). Pull the trigger and hold it to the rear. The hammer should fall. The weight of the trigger pull should be about 5 pounds. Without releasing the trigger, pull the slide to the rear and release it. Release the trigger. You should hear a click as you release the trigger. This confirms that the pistol’s disconnecter is working. Squeeze the trigger again. The hammer should fall.
10. With the hammer down, place the safety in the “SAFE” position. Pull the trigger. The hammer must not retract to its cocked position.

11. Place the safety in the "FIRE" position. Pull the trigger. The hammer should retract and then fall.
12. Manually retract the hammer about halfway to its cocked position and let go. The hammer should be caught in its half cock position. It should not fall completely to its fired position.
13. Visually inspect the pistol to assure that there are no broken, damaged, loose, or missing components.

15. TROUBLESHOOTING

PROBLEM	CHECK FOR	WHAT TO DO
WON'T FEED.	Dirty, corroded, or reloaded ammunition.	Remove and discard.
	Dirty or defective magazine.	Clean and lubricate or replace.
	Magazine not fully seated.	Reinsert more forcefully
	Short recoil.	See below.
WON'T CHAMBER.	Dirty corroded or defective ammunition.	Remove and discard.
	Fouled pistol.	Clean and lubricate.
WON'T LOCK	Dirt, corrosion, or carbon buildup in locking lugs.	Clean lugs.
	Fouled pistol.	Clean and lubricate.
	Dirty slide.	Clean.
	Burred or broken slide.	Contact ArmaLite®.
WON'T FIRE	Safety lever on safe position	Set safety to fire position
	Oil or fouling in slide.	Clean.
	Defective ammunition.	Remove and discard.
	Fouling on firing pin or firing pin recess.	Clean.
	Slide not fully locked.	Unload, clean pistol.
WON'T EXTRACT.	Broken extractor SPR®ing.	Contact ArmaLite®
	Dirty, corroded, or reloaded ammunition.	Remove and discard.
	Carbon in chamber.	Clean chamber.

	Frozen extractor.	Clean
	Rusty chamber.	Clean or contact ArmaLite®
	Restricted movement of slide	Clean and lubricate.
SHORT RECOIL	Weak or reloaded ammunition.	Replace with factory fresh ammunition
	Fouled pistol.	Clean and lubricate.
	Improper lubrication.	Lubricate generously.
SLIDE FAILS TO LOCK OPEN AFTER LAST ROUND		
	Dirty or corroded slide catch.	Clean
	Defective magazine.	Replace
SAFETY BINDS	Needs oil.	Lubricate.
	Dirt or sand under trigger.	Clean.

16. WARRANTY, SERVICE, AND SUGGESTIONS

Specific warranty provisions for your ArmaLite® firearm are shown on the warranty card shipped with your new firearm. Be sure to complete your warranty card and return it to ArmaLite® immediately.

THE WARRANTY WILL ONLY BE HONORED UPON COMPLETION OF THE WARRANTY FORM AND ITS RETURN TO ARMALITE® WITHIN 30 DAYS OF THE ORIGINAL CUSTOMER'S PURCHASE DATE ALONG WITH A COPY OF THE DATED SALES RECEIPT.

If no warranty card and sales receipt are on file, all work will be billed at shop rates. Custom work will be billed at ArmaLite®'s shop rates, as will work on firearms submitted with no warranty problem existing. Shipping to and from ArmaLite® is the owner's responsibility, except that ARMALITE® will return the firearm to the customer shipping prepaid if the return was covered under warranty.

Returns for any reason will NOT be accepted without a Return Merchandise Authorization (RMA) number issued by ArmaLite. Please call 1-800-336-0184, Ext. 125 to receive your RMA number. After you receive your RMA number, print it on the outside of the box and include a short note in the box. The note should include the RMA number, your name, address, email, phone number, the model and serial number of the firearm you're returning, and a detailed explanation of the problems that you're having with the firearm. If you wish to put your note on our RMA form, you can print out our RMA form by clicking on the link in the Policies or Contact Us sections of our website.

Remove any accessories (scope, scope mount, sling, bipod, cleaning equipment, etc) that don't pertain to your problems before you send the firearm in. If you have any functional problem with the firearm, do send the magazines with it.

Firearms that you wish to return for warranty or out-of-warranty repair may be returned directly to ArmaLite.


Before seeking warranty service: use the troubleshooting guide in this Operator's Manual to attempt to solve the problem, perform all instructed maintenance, and assure that ammunition and magazines are correct and in good condition. **Shop rates plus the cost of return shipping will be applied if no covered defect is found.**

Include a note explaining, in as much detail as possible, the nature of the problem or service needed. The note should include the RMA number, your name, address, email, phone number, and the reason for return. If you wish to put your note on our RMA form, you can print out our RMA form found in the "Contact Us" and "Policies" sections of our website (www.ArmaLite.com). Keep your shipping receipt and the serial number of the firearm for your records in case of loss in shipment.



WARNING: MAKE ABSOLUTELY SURE THAT THE FIREARM IS UNLOADED!!! BELIEVE IT OR NOT, WE SOMETIMES GET FIREARMS BACK THAT ARE LOADED!!!

 **WARNING: NEVER SHIP LIVE AMMUNITION WITH ANY FIREARM THAT YOU ARE RETURNING TO ARMALITE® FOR SERVICE.**

 **WARNING: IT IS THE OWNER'S RESPONSIBILITY TO ASSURE THAT ANY PARTS THAT ARE PURCHASED FROM ARMALITE® ARE CORRECTLY FITTED AND INSTALLED. IMPROPER FITTING OR INSTALLATION MAY RESULT IN INJURY, DEATH, OR DAMAGE/MALFUNCTION OF THE FIREARM.**

A copy of the owner's manual for any ArmaLite® firearm is available free in the Library on ArmaLite®'s website or may be obtained free in hard copy by contacting ArmaLite®.

Additional technical information can be found in Technical Notes in the Library section of ArmaLite®'s website.

To answer any questions you may have about the firearm, or to offer suggestions for improvements, please contact us at:

ArmaLite® Inc
P.O. Box 299
Geneseo, Illinois, 61254

Phone: 1-800-336-0184 or 309-944-6939

Fax: 309-944-6949

Email: info@ArmaLite.com

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PATENTS & TRADEMARKS

“ArmaLite®, “AR-10®”, and “SPR®”, are registered trademarks of ArmaLite, Inc.

“M-15™”, “AR-30™”, “AR-50™”, and other model variants are trademarks of ArmaLite, Inc.

The AR-10® Series Rifles and Carbines (including the SuperSASS™) are protected by U.S. Patents 5,638, 626 and 5,911,173 and 6,044,748.

The M-15™ Series Rifles and Carbines are protected by U.S. Patents 5,911, 173 and 6,044,748.

The AR-30™ and AR-50™ Series Rifles are protected by U.S. Patents 6,487,805 and 6,637,142.

The AR-23 Subcaliber Device for the Mk-19 Grenade Machine Gun is protected by U.S. Patents 5,983,772 and 6,202,533.

The Blank Firing Adapter for the Mk-19 Grenade Machine Gun is protected by U.S. Patent 5,438,907.

Other patents granted or assigned to ArmaLite include:

Weapons Operating System, U.S. Patent 6,591,535

Cartridge for a Firearm, U.S. Patents 6,367,389 and 6,959,647 and 6,976,431 and 7,458,332

Light Weight Weapon Operating System and Cartridge Feed, U.S. Patent 6,591,535