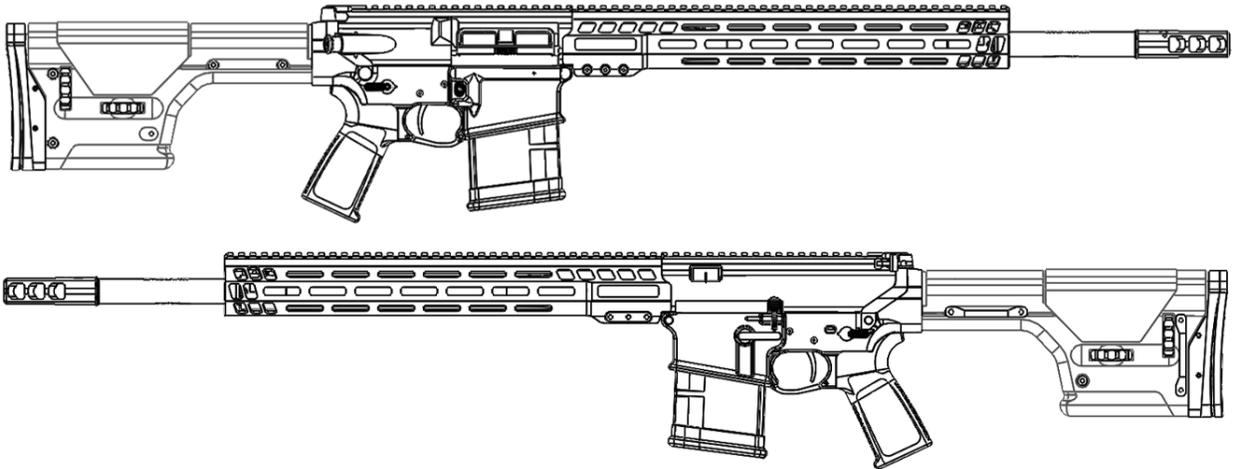




ARMALITE®

**ARMALITE®, INC
OWNER'S MANUAL
FOR
AR-10A® SUPER SASS GEN II**



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

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Phoenix, Arizona, USA 85024
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1. READ THIS FIRST!

Throughout this manual you will find WARNINGS, CAUTIONS and NOTICES printed in bold print. All WARNINGS, CAUTIONS and NOTICES must be read carefully and followed completely. WARNINGS indicate a situation, which, if not avoided, could result in death or serious injury. CAUTIONS indicate a situation, which, if not avoided, could result in minor or moderate injury. NOTICES indicate a situation that could result in damage to the firearm or other property.



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 bolt and bolt carrier assembly and store it separately. If you have more than one similar firearm, make sure that you specifically identify the removed assembly with its original firearm because the assemblies 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.

This manual may serve several models of ArmaLite® firearms. If so, instructions which refer to specific models will be clearly marked.

****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 RIFLE. IF YOU SELL THE RIFLE, GIVE THIS MANUAL TO THE NEW OWNER.

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4. SAFE STORAGE

 **WARNING: ALWAYS ASSURE THAT YOUR FIREARM IS COMPLETELY UNLOADED BEFORE STORING IT. ALWAYS TREAT YOUR FIREARM AS IF IT WERE LOADED. ALWAYS STORE YOUR FIREARM IN A SAFE LOCATION, SEPARATE FROM THE AMMUNITION.**

Make certain that both the chamber and magazine of your rifle are unloaded before you store it. Store your rifle in a securely locked gun safe. If you do not have a safe, remove the bolt and bolt carrier assembly from your rifle, and store it separately from the rifle in a secure location. Store your ammunition separately from the rifle and from the bolt and bolt carrier assembly.

 **WARNING: IF YOU HAVE MORE THAN ONE SIMILAR FIREARM, MAKE SURE THAT YOU SPECIFICALLY IDENTIFY THE REMOVED ASSEMBLY WITH ITS ORIGINAL FIREARM BECAUSE THE ASSEMBLIES MAY NOT BE INTERCHANGEABLE.**

5. GENERAL INFORMATION

Your firearm is a lightweight, gas operated, air cooled, magazine fed rifle produced for a high degree of accuracy, reliability, and durability. The firearm's construction features extensive use of aircraft-grade forgings, with no die-cast or extruded parts employed in the receivers. The patented bolt assembly provides higher strength than that found on similar designs.

 **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 MANUFACTURED BY ARMALITE® INC.**

5.1 AR-10A VERSUS THE AR-10B

The AR-10A family of ArmaLite® firearms is functionally identical to our AR-10B family. Operation, controls, and maintenance are the same. However, the AR-10A family is designed to accept all modern 7.62 NATO magazines styled after the modern MSR style 5.56 magazine such as the Magpul PMAG® and similar. Instead of ArmaLite's proprietary steel magazines that are used in our AR-10B family. Neither family of firearms will function correctly with the other family's magazines.

The AR-10B magazine is based on the magazine of the famed M-14 rifle. This magazine was adopted during the period of the "Assault Weapons Ban", during which modern magazines couldn't be sold commercially. The AR-10B magazine has proven to be as supremely successful in the AR-10B as its predecessor was in the M-14, and ArmaLite will continue to offer it.

Physical differences between the modern AR-10A magazine and the M-14 style magazine necessitate differences in some components used in AR-10As as compared to similar components in the AR-10Bs. Some components of our AR-10A firearms are unique to that family. For example, the AR-10A Bolt Stop, Upper Receiver, and Lower Receiver are not the same as those in our AR-10Bs. This Tech Note will explain the physical differences among those components.

5.2 BARREL LIFE

Barrel life depends on how fast the rifle is fired and how accurate the shooter insists it must be. Shooting the rifle as fast as the trigger can be pulled can ruin the barrel in just a few hundred rounds. Firing at controlled rates will allow a standard grade AR-10® barrel to last for 10,000 to 15,000 rounds with accuracy acceptable for police use. Target shooters fire at very moderate rates, but their higher accuracy requirements may mean barrel replacement as early as 3,500 match rounds.

5.3 RECEIVER FIT

The AR-10® is not a custom firearm. ArmaLite® requires a close fit between the receivers, but normal forging and machining variations may result in play or slight side to side receiver mismatch. This is not a manufacturing defect and has no adverse effect on accuracy.

5.4 APPEARANCE

Almost all complaints concerning appearance come from customers who forget that the AR-10® is a Military Specification rifle, not a polished commercial or collectors-grade rifle. It is an industrial product, not a custom rifle, and bears finishes appropriate for its intended purposes. ArmaLite® rifles are all thoroughly test fired before shipping. New rifles will normally show evidence of this firing. If the receiver looks light or uneven in color, it's probably just dry. A light coat of oil on the metallic surfaces will improve its appearance.

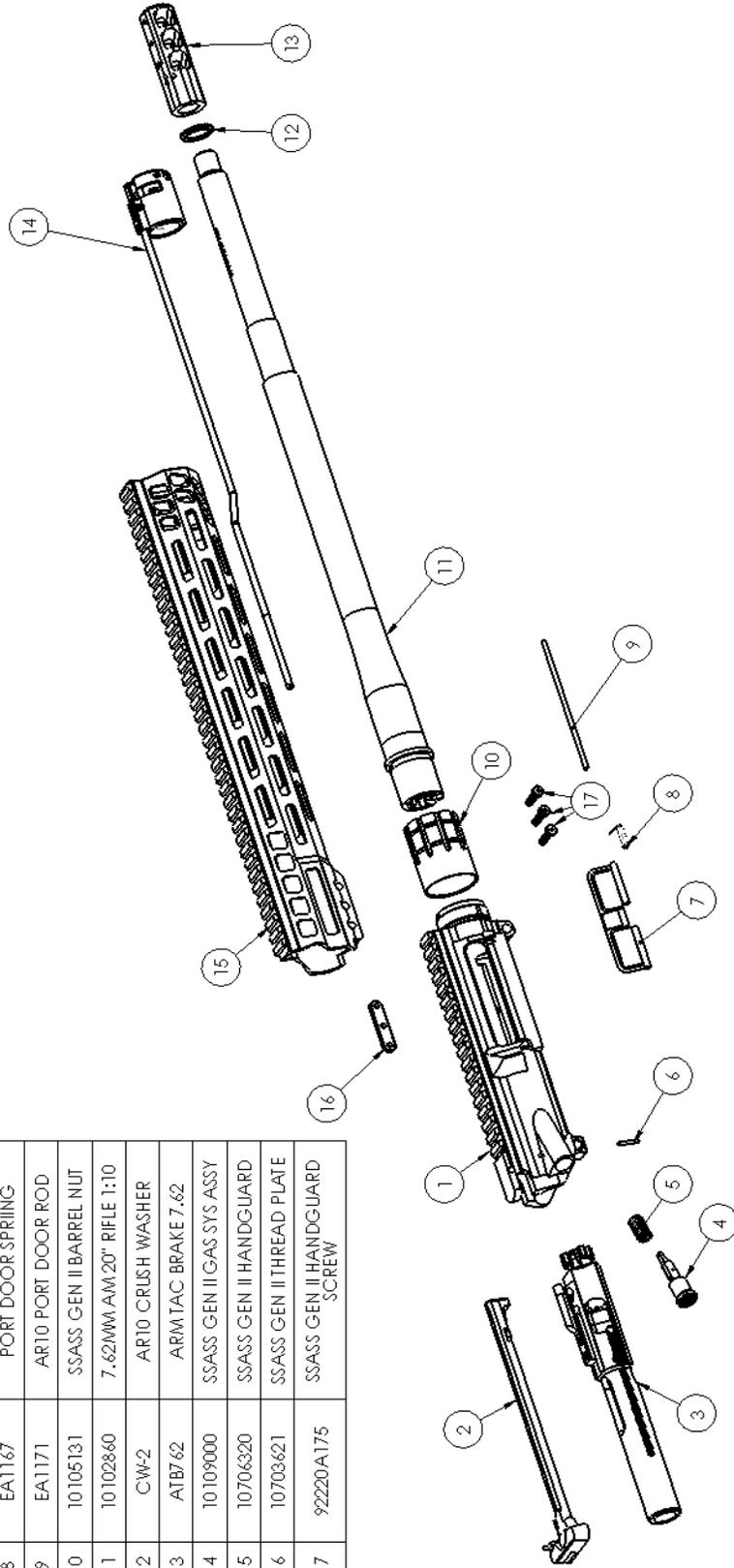
The receivers are made of forgings because forgings provide exceptional strength. By its very nature, the forging process may leave small dents and dings on the outside of the forging. ArmaLite® inspects all forgings for excessive marks, but no forging is free of them. This is not a defect.

6. EXPLODED DRAWINGS AND PARTS LISTS

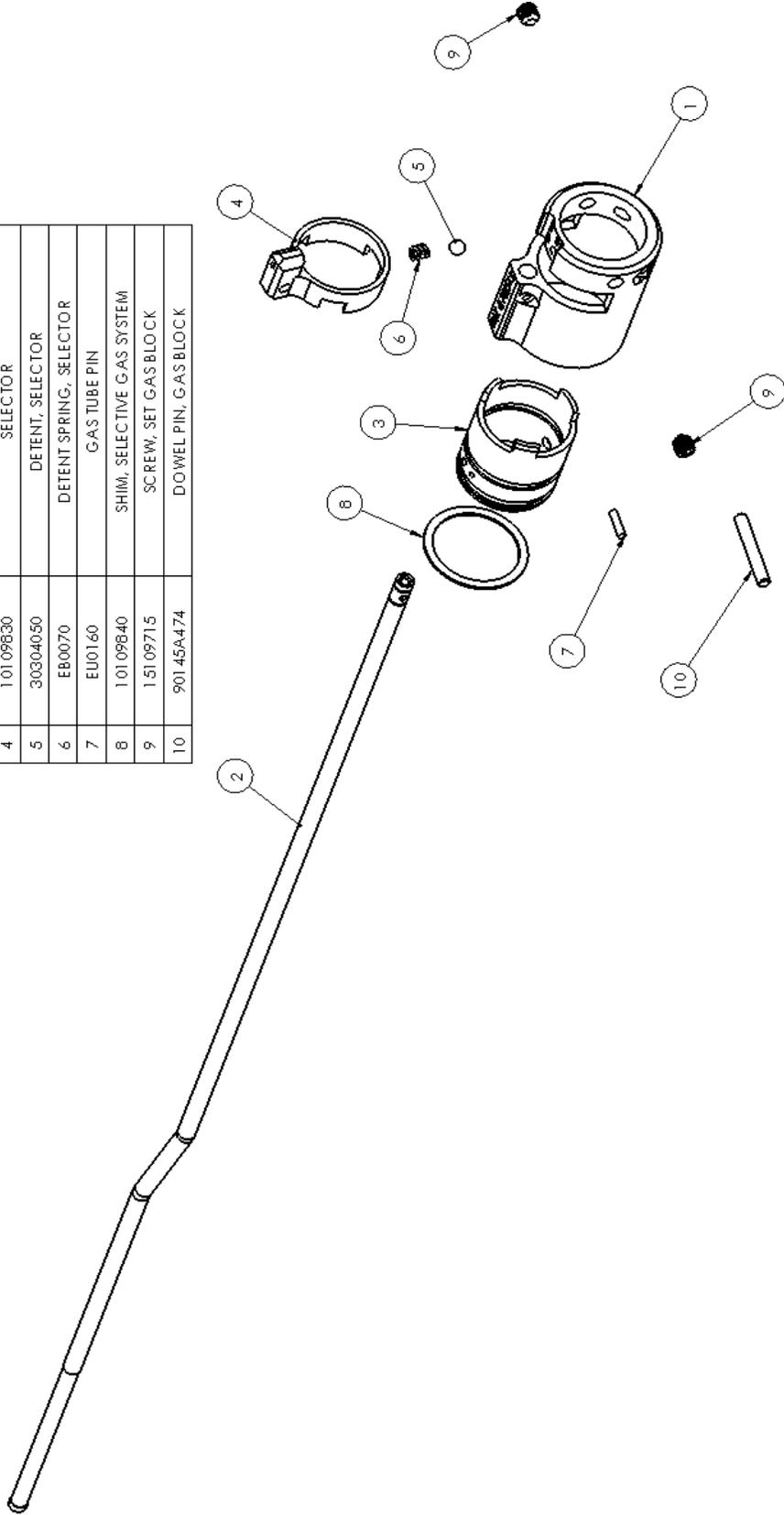
The drawings and associated parts lists in this section will give you visual references to parts discussed in the text

SUPER SASS GEN II UPPER ASSEMBLY

1	110030001	AR-10A UPPER RECEIVER
2	STR308CH	AR10 MAG LATCH EXTENDED
3	105010001	AR10 BOLT CARRIER ASSY
4	100050001	FORWARD ASSIST ASSY
5	EL0480	FORWARD ASSIST SPRING
6	E20090	FORWARD ASSIST ROLL PIN
7	EA1165	AR10 PORT DOOR ASSY
8	EA1167	PORT DOOR SPRING
9	EA1171	AR10 PORT DOOR ROD
10	10105131	SSASS GEN II BARREL NUT
11	10102860	7.62MM AM20" RIFLE 1:10
12	CW-2	AR10 CRUSH WASHER
13	ATB762	ARM TAC BRAKE 7.62
14	10109000	SSASS GEN II GAS SYS ASSY
15	10706320	SSASS GEN II HANDGUARD
16	10708621	SSASS GEN II THREAD PLATE
17	92220A175	SSASS GEN II HANDGUARD SCREW

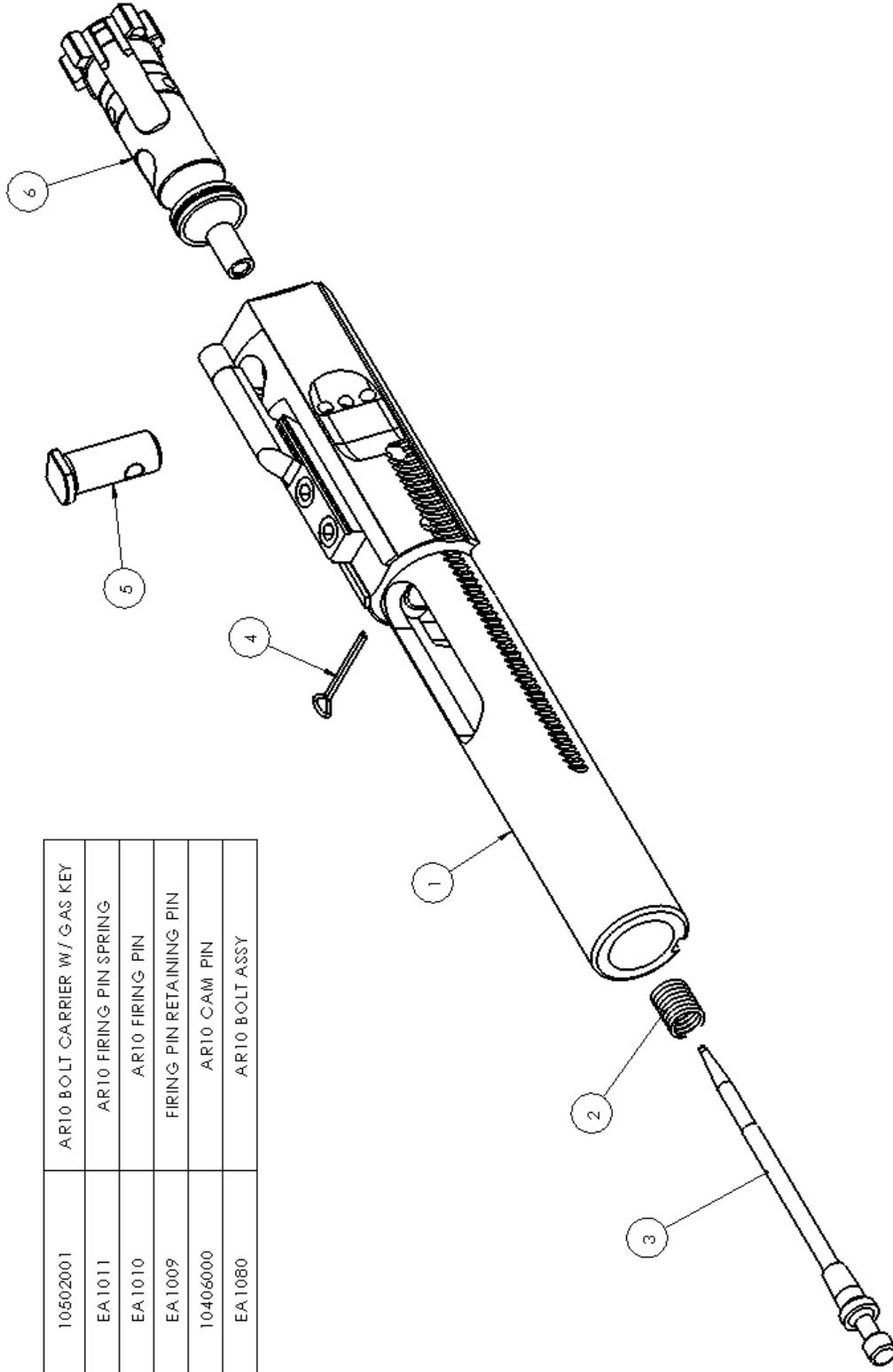


1	10109822	SELECTIVE GAS BLOCK
2	10007010	GAS TUBE ASSY
3	10109871	REGULATOR
4	10109830	SELECTOR
5	30304050	DETENT, SELECTOR
6	EB0070	DETENT SPRING, SELECTOR
7	EU0160	GAS TUBE PIN
8	10109840	SHIM, SELECTIVE GAS SYSTEM
9	15109715	SCREW, SET GAS BLOCK
10	90145A474	DOWEL PIN, GAS BLOCK



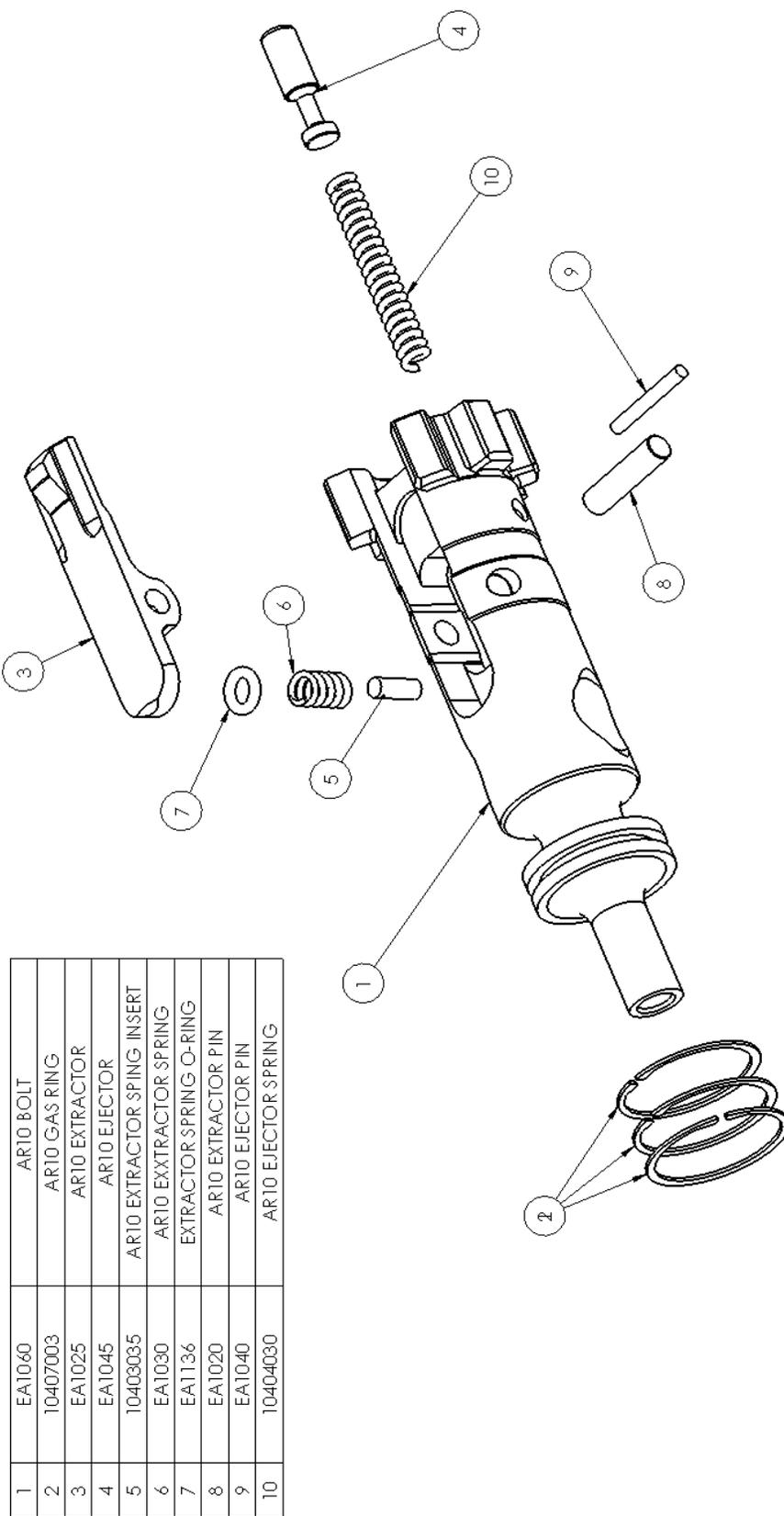
**SUPER SASS GAS SYSTEM ASSEMBLY
(10109000)**

1	10502001	AR10 BOLT CARRIER W/ GAS KEY
2	EA1011	AR10 FIRING PIN SPRING
3	EA1010	AR10 FIRING PIN
4	EA1009	FIRING PIN RETAINING PIN
5	10406000	AR10 CAM PIN
6	EA1080	AR10 BOLT ASSY



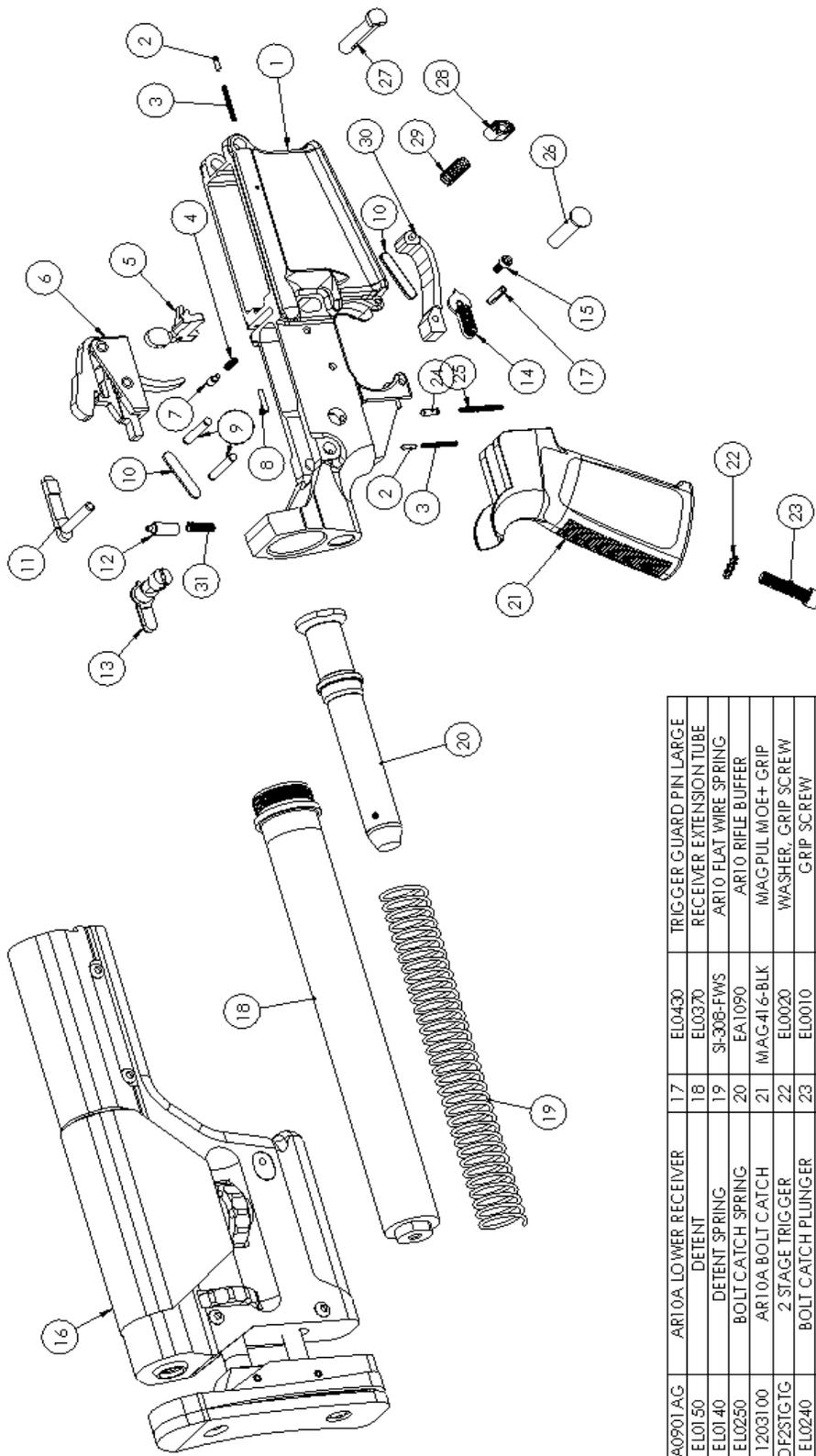
AR10 SUPER SASS BOLT CARRIER GROUP ASSEMBLY

AR10 SUPER SASS BOLT ASSEMBLY



1	EA1060	AR10 BOLT
2	10407003	AR10 GAS RING
3	EA1025	AR10 EXTRACTOR
4	EA1045	AR10 EJECTOR
5	10403035	AR10 EXTRACTOR SPING INSERT
6	EA1030	AR10 EXTRACTOR SPRING
7	EA1136	EXTRACTOR SPRING O-RING
8	EA1020	AR10 EXTRACTOR PIN
9	EA1040	AR10 EJECTOR PIN
10	10404030	AR10 EJECTOR SPRING

AR10 SUPER SASS LOWER ASSEMBLY



1	EA0901AG	AR10A LOWER RECEIVER	17	EL0430	TRIGGER GUARD PIN LARGE
2	EL0150	DETENT	18	EL0370	RECEIVER EXTENSION TUBE
3	EL0140	DETENT SPRING	19	SI-308-FWS	AR10 FLAT WIRE SPRING
4	EL0250	BOLT CATCH SPRING	20	EA1090	AR10 RIFLE BUFFER
5	11203100	AR10A BOLT CATCH	21	MAG416-BLK	MAGPUL MOE+ GRIP
6	POF25TG	2 STAGE TRIGGER	22	EL0020	WASHER, GRIP SCREW
7	EL0240	BOLT CATCH PLUNGER	23	EL0010	GRIP SCREW
8	EL0220	BOLT CATCH PIN	24	EL0060	SAFETY DETENT
9	POFRGPN	TRIGGER/HAMMER PIN	25	EB0110	SAFETY DETENT SPRING
10	POFRGRET	TRIGGER/HAMMER PIN RETAINER	26	EA1113	AR10 TAKE DOWN PIN
11	EA1108	AR10A MAGAZINE CATCH	27	EA1112	AR10 PIVOT PIN
12	EL0190	BUFFER DETENT	28	EL0270	MAG CATCH BUTTON
13	EX0097-A	AMBI SAFETY SELECTOR	29	EL0280	MAG CATCH SPRING
14	EX0097-B	AMBI SAFETY KNOB (RH)	30	E2ARETG	TRIGGER GUARD ENHANCED
15	EX0098	AMBI SAFETY SCREW			
16	1.0701.040	MAGPUL PRS STOCK			

7. AMMUNITION

ArmaLite sells our AR-10®s chambered for several different cartridges. 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® chambers its AR-10® family of firearms for a number of different cartridges. In order to assure that you are using the correct cartridges for your firearm, you must look on the firearm itself. The caliber is marked on the barrel and/or upper receiver. If you have any questions regarding ammunition compatibility, CONTACT ARMALITE® BEFORE FIRING THE RIFLE!!!!!!!

If your AR-10® Series firearm is chambered for 7.62 cartridges, it will fire all standardized U.S. military 7.62X51 mm cartridges and all factory loaded cartridges in .308 Winchester caliber. Do not attempt to fire any other cartridges in this firearm.

For information regarding projectile weights recommended for your particular ArmaLite, see Technical Note 110: "PROJECTILE WEIGHT VERSUS RIFLING TWIST" in the Library on our website, www.armalite.com.

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.



WARNING: DO NOT FIRE SABOTED AMMUNITION FROM YOUR RIFLE. THE SABOT COULD LODGE IN YOUR FLASH SUPPRESSOR CAUSING FIREARM DAMAGE AND POTENTIAL INJURY OR DEATH.



CAUTION: FIRING TRACER AND ARMOR PIERCING AMMUNITION REDUCES BARREL LIFE.

8. INITIAL ASSEMBLY, INSPECTION, AND CLEANING

8.1 INITIAL ASSEMBLY

Your ARMALITE® rifle comes assembled with a number of commercially available components from various industry leaders. While ArmaLite stands behind the quality of these components, ArmaLite may not be able to service some of the components, however, ArmaLite can replace any item under warranty.



WARNING: IF YOU MOUNT A SCOPE TO YOUR RIFLE, MAKE CERTAIN THAT THE SCOPE IS MOUNTED FAR ENOUGH FORWARD SO THAT IT WILL NOT IMPACT YOUR FACE DURING RECOIL. CHECK THE DISTANCE BETWEEN THE SCOPE AND YOUR FACE WHEN YOU ARE IN THE FIRING POSITION. BEAR IN MIND THAT YOUR EYE WILL BE CLOSER TO THE SCOPE WHEN SHOOTING FROM PRONE OR FROM THE BENCH THAN WHEN SHOOTING OFF-HAND. WHEN IN DOUBT, INCREASE THE EYE RELIEF.

8.2 INITIAL INSPECTION



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

Any time you disassemble and reassemble a firearm, you should conduct a functional check of it. Check your firearm's function as described in the Reassembly section of this manual.

8.3 INITIAL CLEANING

Clean the bore of your firearm and lubricate the firearm as described in the Maintenance section below. ArmaLite® firearms are made more tightly than other rifles of similar design. A break-in period of 200 rounds allows machined or phosphate-coated surfaces to smooth out the rifle's action. Lubricate the rifle 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.

8.4 BREAKING IN MATCH BARRELS

“Match barrels” are any of our stainless-steel barrels. Our chrome lined barrels do not require break in. ArmaLite® has spoken with several barrel manufacturers. NONE of them recommend breaking in barrels using abrasives. For optimum accuracy and barrel life, ArmaLite® recommends the following break-in procedure:

1. Fire 9 single shots. After each shot, push a cotton patch wet with solvent through the bore. Then wet a bronze brush with solvent and stroke the barrel five to ten round trips. Follow with another wet patch and then a dry patch or two. (We do NOT recommend nylon or stainless-steel brushes.) After you finish, wash the solvent off your brush so that the brush won't deteriorate.
2. From 10 to 30 shots, clean as above after each five shots. Initial break-in should now be complete.

For subsequent, normal cleaning, it is suggested that you clean after each range session. It is often suggested that the barrel be brushed one stroke for each shot fired.

8.5 DRY FIRING YOUR RIFLE

Reasonable amounts of dry firing should not damage your rifle.



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



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

9. LOADING AND FIRING



WARNING: ALWAYS KEEP THE SAFETY IN THE “SAFE” POSITION UNTIL YOU ARE READY TO FIRE THE FIREARM. 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: 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.



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



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, AND THE BOLT 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.



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 BOLT IS OPENED.**
- 5. OPEN THE BOLT QUICKLY AND UNLOAD THE FIREARM.**
- 6. EXAMINE THE FIREARM AND CARTRIDGE CAREFULLY TO IDENTIFY THE CAUSE OF THE MALFUNCTION.**



WARNING: RAPID FIRING OF THE FIREARM MAY CAUSE SOME COMPONENTS TO BECOME HOT ENOUGH TO CAUSE INJURY. EXTENDED SESSIONS OF VERY RAPID FIRING MAY CAUSE A CARTRIDGE LEFT IN THE CHAMBER TO “COOKOFF”, FIRING ITSELF WITHOUT YOU PULLING THE TRIGGER. ALWAYS UNLOAD THE FIREARM IMMEDIATELY AFTER YOU FINISH FIRING.

To prevent cookoffs and maximize barrel life, the rate of fire should not exceed the following:

- 2 minutes --- 40 rounds per minute
- 10 minutes --- 30 rounds per minute
- 20 minutes --- 20 rounds per minute
- 30 minutes or more --- 13 rounds per minute

9.1 LOADING THE MAGAZINE

Set the cartridge on the follower, between the feed lips and pointing the same direction as the “bullet” on the follower and press it straight down until it’s held by the lips of the magazine.

⚠ CAUTION: CURRENTLY ARMALITE® SELLS 7.62MM MAGAZINES THAT ARE DESIGNED FOR CAPACITIES OF 5, 10, 15, 20, AND 25 ROUNDS. DO NOT EXCEED THESE CAPACITIES. DUE TO VARIATIONS IN DIAMETERS OF VARIOUS BRANDS OF CARTRIDGES, IT MAY BE POSSIBLE TO FORCE AN ADDITIONAL CARTRIDGE INTO A MAGAZINE. DOING SO WILL DAMAGE YOUR MAGAZINE AND LEAD TO ELEVATED MALFUNCTION RATES.

9.2 LOADING THE FIREARM AND CHAMBERING THE FIRST ROUND

⚠ WARNING: ALWAYS POINT THE MUZZLE IN A SAFE DIRECTION.

1. Assure that the rifle is completely unloaded. Pull the charging handle rearward and lock the bolt carrier assembly to the rear by pressing the bottom of the bolt stop in, then release the charging handle so that the bolt stops on the raised bolt stop. Place the safety selector on “SAFE”. Check to see that the chamber is clear, and the bore is not blocked.



2. Push the magazine up into the receiver until the magazine catch engages and holds the magazine.

 **INSERT THE MAGAZINE FULLY INTO THE RIFLE THEN TUG DOWNWARD ON IT TO ASSURE IT'S SECURELY LOCKED INTO THE RIFLE.**

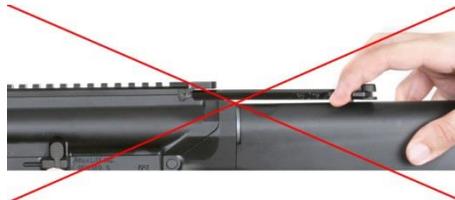


3. Pull down on the magazine slightly to make sure that it is locked in place.

4. Pull the charging handle completely to the rear and release it smartly to chamber the first round. While it is possible to release the bolt carrier assembly by pushing in on the bolt stop, more energy is provided to chamber the cartridge by pulling the charging handle to the rear and releasing it. If the bolt carrier doesn't fully close, tap the forward assist (if your rifle is so equipped) to close it. If it still won't close, clear the rifle and correct the problem.

NOTE: During firing, the bolt carrier assembly will automatically lock to the rear when the last round in a magazine is fired and the rifle is empty. Reload by pressing the magazine catch button to remove the empty magazine, insert a loaded magazine, and press the top of the bolt catch or pull the charging handle to the rear and release it (preferred).

 **CAUTION: NEVER "RIDE" THE CHARGING HANDLE FORWARD. QUICKLY RELEASE THE CHARGING HANDLE AND LET IT SLIDE FORWARD AT FULL SPEED.**



NOTE: The cartridges in a fully loaded magazine can be packed tight and require firm upward pressure to assure that the magazine catch holds the magazine. It's always easiest to insert the magazine when the bolt carrier assembly is locked to the rear.

9.3 EMPLOYING THE FORWARD ASSIST MECHANISM

Your AR-10 is equipped with a forward assist mechanism. The mechanism is NOT intended to force a cartridge into the chamber if the cartridge does not fully chamber under the power of the recoil spring. If you encounter a cartridge that will not chamber, remove the magazine, and clear the offending round. Clean the rifle (particularly the chamber) if needed, reinstall the magazine, pull the charging handle completely to the rear to obtain maximum energy, and allow the bolt carrier assembly to go forward under its own power.

After you have fully chambered a cartridge, if you forget whether the chamber is loaded, you can partially retract the bolt carrier to visually inspect for a cartridge. In that case, the recoil spring may not have enough energy to relock the bolt. If that occurs, the forward assist mechanism may be used to rechamber/relock a round that has already been fully chambered.



CAUTION: THE FORWARD ASSIST MECHANISM IS NOT INTENDED TO FORCE THE EXTRACTOR OVER A PARTIALLY CHAMBERED CARTRIDGE. FORCING THE FORWARD ASSIST MAY DAMAGE IT, AND MAY RESULT IN A CARTRIDGE THAT IS MORE TIGHTLY WEDGED THAN BEFORE.

9.4 FIRING

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



⚠ WARNING: KEEP THE SAFETY ON SAFE UNTIL YOU ARE READY TO SHOOT. UNLOAD AND CLEAR YOUR RIFLE BEFORE LEAVING THE FIRING POSITION.

⚠ WARNING: GRIPPING THE RIFLE LOOSELY AGAINST THE SHOULDER WHEN FIRING CAN CAUSE THE SHOOTER TO FIRE TWO SHOTS (THE SECOND AS THE TRIGGER STRIKES THE SHOOTER'S TRIGGER FINGER DURING COUNTER-RECOIL. ALSO KNOWN AS A "BUMP-FIRE") THIS IS A SHOOTER ERROR, NOT A RIFLE MALFUNCTION.

⚠ CAUTION: DO NOT REST THE RIFLE ON ITS MAGAZINE WHEN YOU ARE LOADING OR FIRING IT. DOING SO CAN FORCE THE MAGAZINE UP INTO THE RIFLE, REDUCING THE RELIABILITY OF FEEDING CARTRIDGES.

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.

Keep your rifle cleared when not in use.

1. Place safety selector on "SAFE".

NOTE: If the rifle is not cocked, the lever cannot be pointed toward SAFE.



2. Remove the magazine by depressing the magazine catch button and pulling the magazine down.



⚠ CAUTION: THE MAGAZINE WILL 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. Extract the cartridge (if any) from the chamber. To lock the bolt open, pull the charging handle rearward, press the bottom of the bolt stop and allow the bolt to move forward until the bolt stop restrains it. Return the charging handle forward.



4. Look into the receiver and chamber to ensure that these areas contain no ammunition.

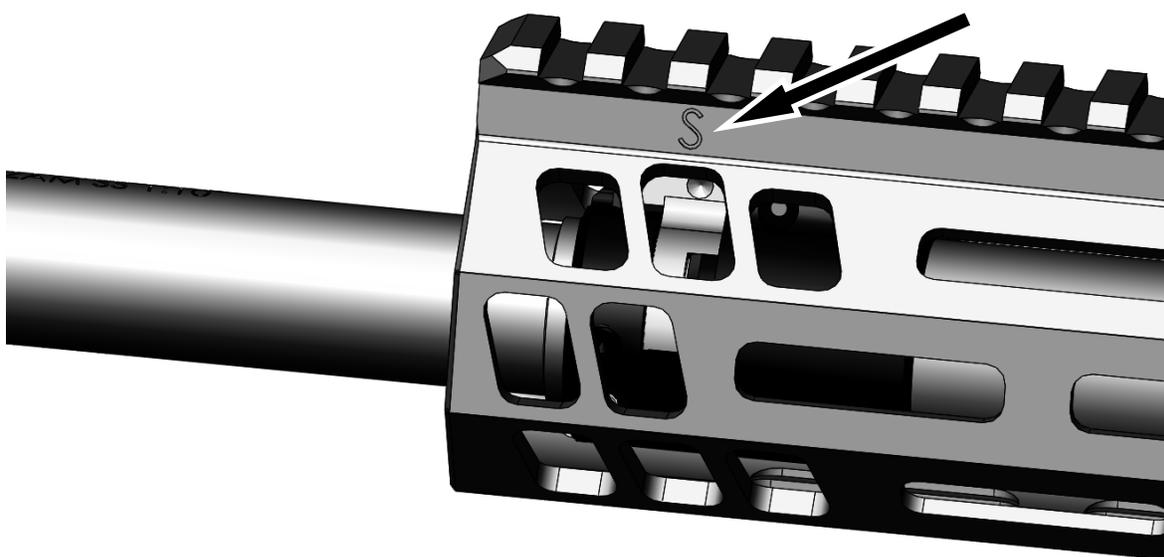
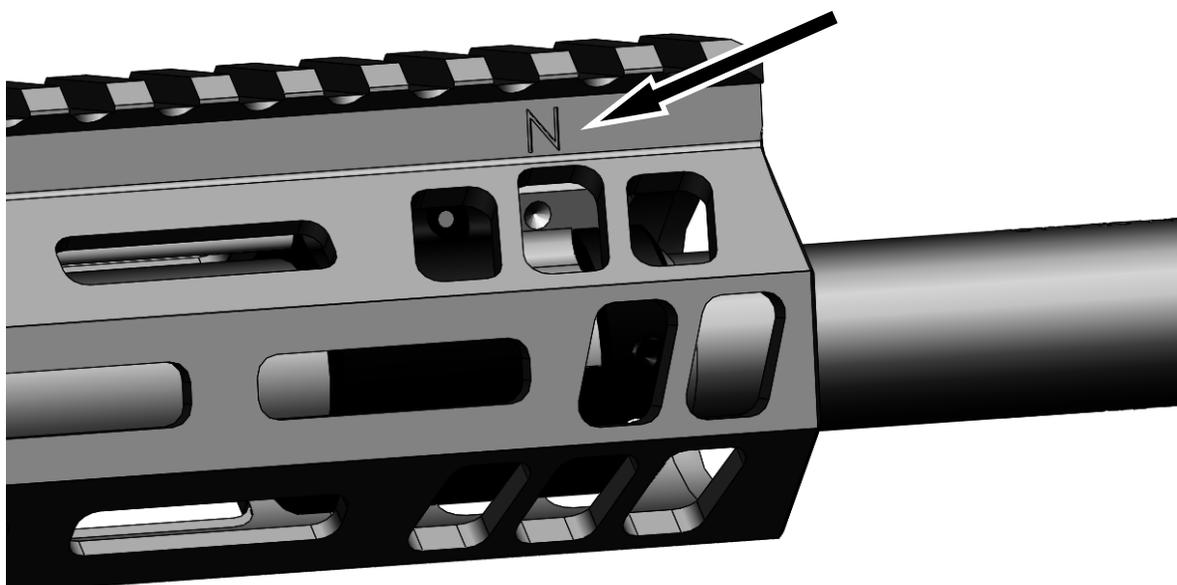
⚠ WARNING: NEVER ASSUME THAT THE CHAMBER IS EMPTY UNTIL YOU HAVE VISUALLY EXAMINED IT AND SEE THAT IT IS EMPTY.

⚠ 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 MAY REMOVE ONE CARTRIDGE FROM THE CHAMBER AND THEN, UPON CLOSING THE BOLT, 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. GAS SYSTEM OPERATION

Your ArmaLite Super SASS Gen II is designed with a selectable gas block intended to be used when utilizing a suppressor. When a suppressor is used on a gas operated firearm, the most common issue is “over gassing” meaning the added back pressure from the suppressor forces excessive gas back into the operating system of the rifle. This can cause a range of problems with your firearm such as; cartridge over ride, over extraction/ejection, excessive wear on your receiver/bolt/extension and more. To combat these issues, ArmaLite has developed a Selectable Gas Block.

1. For firing Non-Suppressed, make sure the selector switch is pushed fully to the right side, this is indicated by an “N” on the handguard for Non-Suppressed.
2. For Suppressed firing, switch the selector to “S” for Suppressed.



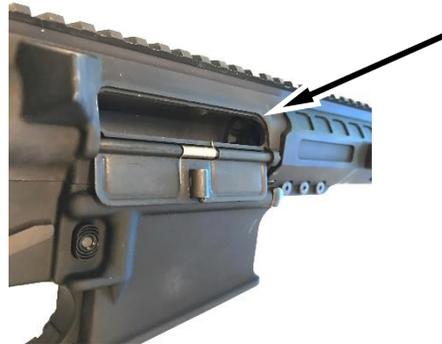
12. DISASSEMBLY

 **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 OPERATING SPRING IS UNDER HIGH COMPRESSION. IF IT SLIPS FROM YOUR GRASP, IT COULD CAUSE INJURY.**

12.1 CLEAR THE RIFLE

IMPORTANT: Put the safety selector on “SAFE”. Remove the magazine, THEN pull back the charging handle and check the chamber.



12.2 UPPER AND LOWER RECEIVERS

1. Push the takedown pin as far as it will go from the left side of the rifle when looking from the buttstock end.



*****SUPPORT THE BARREL BEFORE GOING TO THE NEXT STEP*****

2. Pull the takedown pin out until it stops at its full travel.



3. Smoothly and under control, pivot the upper receiver assembly forward exposing the inside of the lower receiver.



⚠ CAUTION: EXCESS FORCE CAN SEVERELY DAMAGE THE RECEIVER. ALWAYS SUPPORT BOTH UPPER AND LOWER ASSEMBLIES WHEN DISASSEMBLING

4. Push the pivot pin as far as it will go from the left side of the rifle when looking from the buttstock end.



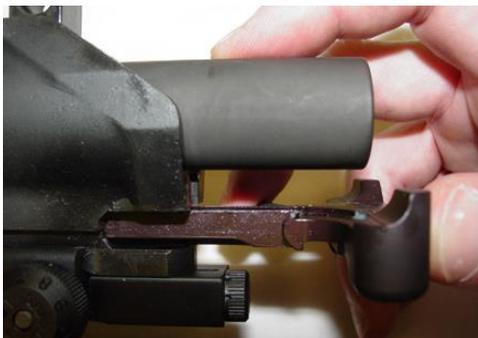
5. Pull the takedown pin out until it stops at its full travel.



6. Separate the upper and lower assemblies.



12.3 CHARGING HANDLE AND BOLT CARRIER ASSEMBLY



1. Pull back the charging handle and bolt carrier assembly.



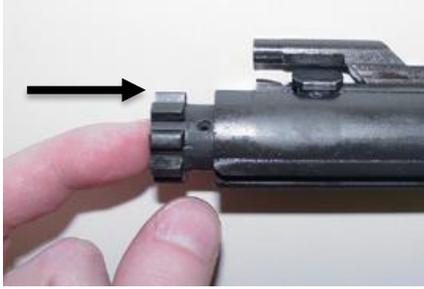
2. With the charging handle approximately half way to the rear you can remove the bolt carrier assembly. Remove the bolt carrier assembly.



3. Pull the charging handle back aligning the tabs on the charging handle with the cut outs on the inside of the receiver and bring it down to remove it.

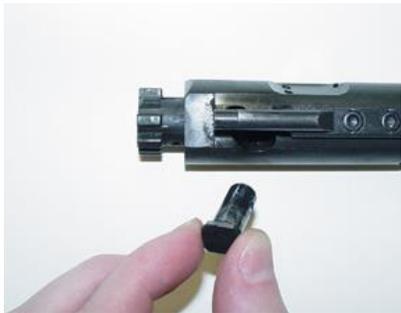


4. Move the bolt assembly forward to the unlocked position and remove the firing pin retaining pin. This can be done by either pushing it from right to left with a pin punch or pulling it from the “loop” side. Do not open or close the split end of the firing pin retaining pin.



5. Push in on the bolt assembly to put it in the locked position.

6. Catch the firing pin as it drops out of the rear of the bolt carrier assembly. There is no need to remove the firing pin spring from the firing pin.



7. Lift out the cam pin.

NOTE: Until parts are broken in, tight tolerances sometimes require use of a flat tipped screwdriver or other suitable object to gently pry the cam pin past the bolt carrier key. The cam pin must never be altered to provide clearance.

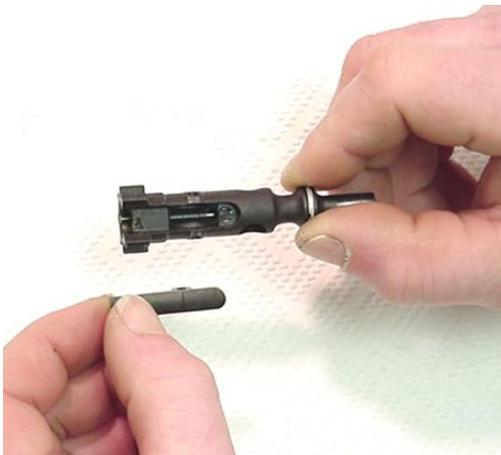
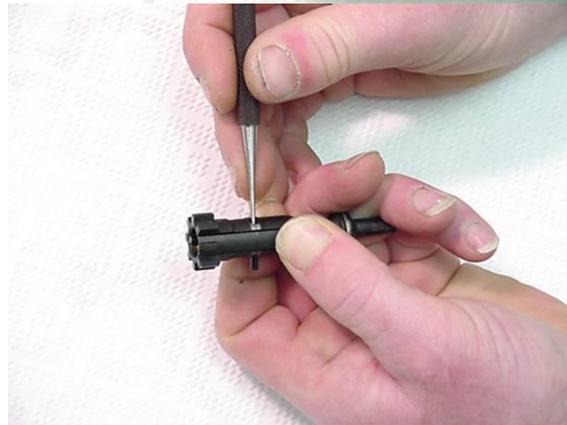
8. Remove the bolt assembly (BC-8) from the bolt carrier assembly (U-3).



9. Press the rear of the extractor to check that the spring works.

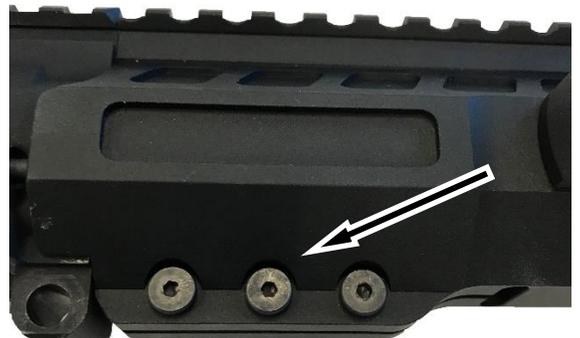


10. Use a punch or dummy round to remove the extractor pin.



11. Remove the extractor and spring assembly. Do not remove the spring assembly, its insert or the O-ring from the extractor unless it needs to be replaced.

12. Remove the 3 screws at the bottom of the handguard just forward of the magazine well, they thread into the Thread Plate on the opposite side, take care not to lose the screws or the thread plate when removing.





13. Slide the handguard off the front of the barrel assembly.



12.4 LOWER RECEIVER ASSEMBLY



1. Cock the hammer with your thumb. Push in the buffer and depress the buffer detent to release the buffer.



2. Remove the buffer and the operating spring

NO FURTHER DISASSEMBLY OF THE FIREARM 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 PARTIALLY MALFUNCTION, LEAVING THE BULLET LODGED IN THE BORE, CREATING A BORE OBSTRUCTION.**

13.1 CLEANING SOLVENTS AND LUBRICANTS

The Military Services generally use a multipurpose chemical called CLP (cleaner, lubricant, and preservative) sold commercially as “Break Free.” Although it is useful if nothing else is available, armament engineers prefer individual, specialized products. A combination of military RBC (bore cleaner) and LSA (lubricant, semifluid, automatic firearms) is superior. High quality cleaning solvent like Hoppes No. 9 removes metal fouling from the bore excellently; and Teflon bearing lubricants, such as Bore Cote, are outstanding lubricants. For maximum reliability and service life, lubricate your firearm (especially the highly stressed bolt and bolt carrier assembly) generously with high quality firearms lubricants.

Under NO conditions should any lubricant containing graphite be used with your firearm. Graphite can encourage rapid corrosion to the aircraft-grade aluminum used in your firearm.

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

13.2 UPPER RECEIVER AND BARREL ASSEMBLY

⚠ CAUTION: DON'T REVERSE THE DIRECTION OF THE BORE BRUSH WHILE IT'S IN THE BORE.

1. Use cleaning solvent on the bore and chamber, the gas tube, the upper receiver and barrel assembly, locking lugs and all areas of powder fouling, corrosion, dirt or dust.



Use a cleaning rod, bore brush and cleaning solvent. Run the rod through the chamber and flash suppressor (if applicable) several times.

⚠ WARNING: LEAD MAY BE PRESENT IN THE FOULING OF A DIRTY FIREARM. AVOID CONTACT WITH IT, WEAR EYE PROTECTION AND PROTECTIVE LATEX GLOVES (OR SIMILAR) AND DISCARD AFTERWARD TO AVOID INGESTING LEAD.



2. Install the chamber brush on the cleaning rod, dip it in cleaning solvent, and insert it into the chamber and locking lugs. Clean by pushing and twisting the cleaning rod.



3. Use a worn out bore brush to clean the outside surface of the protruding gas tube (get the sides and bottom from the bottom of the upper receiver). This procedure ruins the brush for bore cleaning.

NOTE: Gas tubes will discolor from heat. Do not try to remove this discoloration.

⚠ CAUTION: DO NOT TRY TO CLEAN THE INSIDE OF THE GAS TUBE. IT IS NOT NEEDED WITH GOOD QUALITY PROPELLANT, NOR IS IT EFFECTIVE WITH BAD PROPELLANT.

⚠ CAUTION: DO NOT BEND THE GAS TUBE. IF THE TUBE IS BENT, IT WILL SLOW OR BLOCK FORWARD MOVEMENT OF THE BOLT CARRIER ASSEMBLY.

4. Take the bore brush off the rod and install a swab holder and a swab. Apply cleaning solvent to the swab; then run it through the chamber and out the flash suppressor (if applicable). To remove carbon build up, let the solvent sit, then wipe clean. A bore brush may be used with care to remove heavy carbon buildup. Wipe the bore dry by running clean swabs all the way through from the chamber to the flash suppressor. **REMEMBER**, do not change directions in the bore.

Inspect the barrel, gas tube, and hand guards for cracks, bends, or breaks. Be sure the barrel has no obstructions.



5. Lightly lubricate the bore and chamber, outer surface of the barrel and front sight, and the surfaces under the handguards.
6. With a lubricated swab, run the rod from the receiver to the flash suppressor (if applicable). Do not over lubricate.

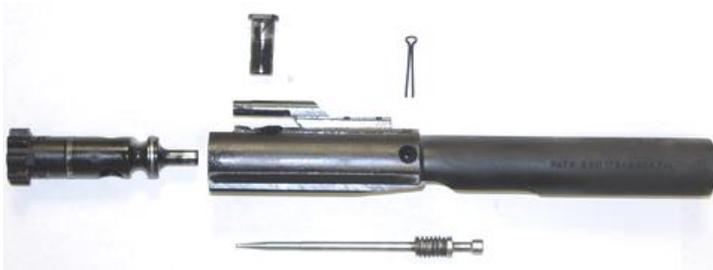


7. Lubricate the locking lugs.



****DO NOT OVER LUBRIBATE THE BORE AND CHAMBER, AFTER APPLYING A LIGHT COAT OF OIL, RUN A DRY SWAB BACK THROUGH THE BARREL TO REMOVE ANY ACCESS. DO NOT ALLOW LUBRICANT TO “POOL” IN THE CHAMBER OR BORE, THIS CAN CAUSE EXCESSIVE PRESSURE AND THE POTENTIAL FOR DAMAGE TO PERSON OR PROPERTY****

13.3 CHARGING HANDLE AND BOLT CARRIER ASSEMBLY



1. Clean all parts and outer surfaces of the bolt carrier assembly with a swab saturated with cleaning solvent.



2. Clean the bolt carrier key with a worn bore brush dipped in solvent and dry with a pipe cleaner.

3. Remove carbon deposits and dirt from the locking lugs with a bore brush dipped in solvent.
4. Clean the areas behind the bolt ring and under the lip of the extractor.



5. Press the ejector in repeatedly to remove accumulated brass shavings from the ejector hole and assure the ejector moves freely. Lubricate it generously.
6. Inspect the charging handle for cracks, bends or breaks.



7. Inspect the bolt assembly for cracks or fractures, especially in the cam pin hole area.



WARNING: DO NOT INTERCHANGE BOLTS BETWEEN RIFLES.

8. Inspect the firing pin retaining pin for bends, breaks, or dents.



9. Inspect the cam pin for cracks or chips.

10. Inspect the firing pin for bends, cracks, or a sharp, chipped, or blunted tip.

11. Lightly lubricate the firing pin and firing pin recess in the bolt assembly.

12. Generously lubricate the outside of the cam pin and the firing pin retaining pin. Make certain to lubricate the cam pin hole, bolt ring, and outside of the bolt.

13. Lightly lubricate the inner and outer surfaces of the bolt carrier. Generously lubricate the slide and the cam pin area of the bolt carrier.

14. Lightly lubricate the charging handle.

15. Dry the key of the bolt carrier assembly with a pipe cleaner. Place one drop of lubricant inside the bolt carrier key.



Note: Carbon in the groove at the bottom of the gas cylinder in the carrier cannot accumulate enough to become a problem. Efforts to remove it cause more damage than leaving it. Avoid the instinct to over-clean your rifle.

13.4 LOWER RECEIVER ASSEMBLY

 **CAUTION: DO NOT USE A WIRE BRUSH OR ANY TYPE OF ABRASIVE MATERIAL TO CLEAN ALUMINUM SURFACES**



1. Wipe dirt from the trigger with a swab.

2. Use a swab and cleaning brush to clean powder fouling, corrosion, and dirt from the lower receiver.



3. Clean the buffer, operating spring, and inside lower receiver with a swab dipped in solvent.

4. Lightly lubricate the buffer and operating spring.

5. Examine the lower receiver assembly for a broken or bent trigger, buttstock, corroded or deformed lower receiver, cracked or damaged grip, and bent or damaged safety. Look at the inside parts for cracks, dents, or breaks.



6. Generously lubricate the takedown and pivot pins and the inside parts of the lower receiver assembly.

13.5 LONG TERM STORAGE

Clean your firearm well and apply a good quality preservative.

It is at least theoretically possible for some springs 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 BOLT CARRIER ASSEMBLY INSTALLED. THE FIRING PIN STOPS THE FALL OF THE HAMMER. WITHOUT THE BOLT CARRIER ASSEMBLY INSTALLED, THE HAMMER CAN IMPACT ON THE LOWER RECEIVER, DAMAGING IT.

Clear all cartridges from your firearm. Remove the magazine. Then pull back the charging handle 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.

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 LOWER RECEIVER ASSEMBLY

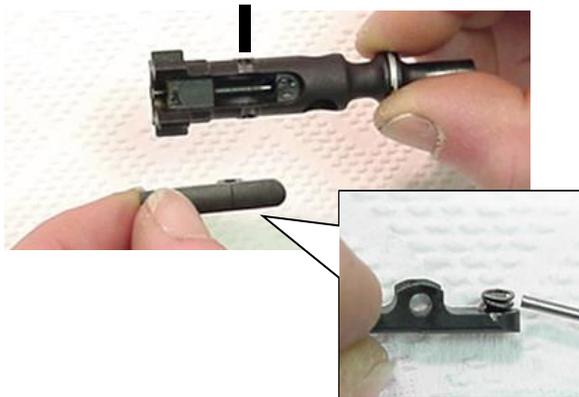


1. Insert operating spring and buffer.

14.2 CHARGING HANDLE AND BOLT CARRIER

NOTE: The extractor has a silicone insert in the spring. Don't lose it.

1. If the spring comes loose, seat the large end of the spring in the extractor. Assure the reinforcement ring is around the spring.
2. Insert the extractor with spring assembly into the bolt.
3. Push extractor until the holes on the extractor and bolt are aligned and insert the extractor pin (B-7).

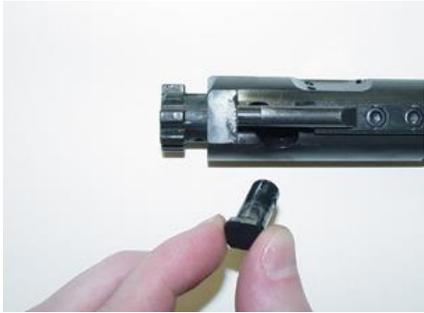




4. Slide the bolt assembly into the bolt carrier assembly.



CAUTION: ONLY INSERT THE BOLT INTO THE CARRIER FAR ENOUGH TO INSERT THE CAM PIN. IF YOU INSERT THE BOLT TOO DEEPLY WITHOUT THE CAM PIN IN PLACE, THE BOLT RING MAY JAM IN THE BACK OF THE CARRIER. IF THIS HAPPENS, YOU MAY NEED TO WIGGLE THE BOLT TO REMOVE IT. IN SOME CASES, IT MIGHT REQUIRE DRIVING THE BOLT FORWARD WITH A BRASS ROD, DESTROYING THE BOLT RING. ONCE THE CAM PIN IS IN PLACE, THE BOLT CAN'T BE PUSHED FAR ENOUGH INTO THE CARRIER TO CAUSE A PROBLEM.



5. Insert the cam pin.

6. Drop the firing pin into its opening.



CAUTION: THE TIGHT END OF THE FIRING PIN SPRING ENGAGES A GROOVE ON THE FIRING PIN, WHICH PREVENTS THE SPRING'S LOSS. DURING ASSEMBLY OF THE BOLT CARRIER GROUP, PRESS THE FIRING PIN FORWARD ABOUT 1/8 INCH AFTER FEELING SPRING RESISTANCE. HOLD THE FIRING PIN IN AND INSERT THE FIRING PIN RETAINING PIN.



WARNING: THE FIRING PIN SPRING IS AN IMPORTANT SAFETY DEVICE. IT MUST NOT BE LOOSE, REVERSED, REMOVED, OR LOST.

7. Pull the bolt assembly forward and insert the firing pin retaining pin in the area behind the large flange of the firing pin.



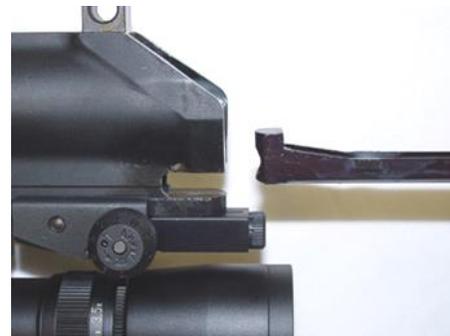


CAUTION: DO NOT POUND OR FORCE THE FIRING PIN RETAINING PIN INTO POSITION; IT MAY BE DAMAGED.



8. Turn the bolt carrier assembly up and try to shake out the firing pin. The firing pin must not fall out.

9. Place the charging handle into the upper receiver and engage the handle's lugs with the track in the receiver, then push the charging handle part way into the upper receiver.



10. Slide the bolt carrier assembly, bolt extended, into the upper receiver.

****THE BOLT MUST BE EXTENDED FROM THE CARRIER WHEN INSTALLING****



11. Push the charging handle assembly and bolt carrier assembly together into the upper receiver.



12. Reinstall the handguard over the barrel assembly pushing it until the upper receiver and the top tail on the handguard are fully contacted and aligned.

13. Install the thread plate and screws, torque screws to 30-40 In/lb., alternating from front to back and back to front.



14.3 UPPER AND LOWER RECEIVERS

Note: The hammer must be in cocked position to join the receivers.

1. Join the upper and lower receivers.
2. Align the pivot pin holes with the pivot pin and push the pivot pin in.



⚠ CAUTION: TO AVOID DAMAGE TO THE EJECTION PORT COVER, CLOSE THE EJECTION PORT COVER BEFORE THE RECEIVERS ARE JOINED.



3. Close the upper and lower receivers. Push in the takedown pin.

14.4 FUNCTIONAL CHECK

1. Remove the magazine and visually inspect the chamber to assure that it is empty. Install an empty magazine. Assure that the magazine is caught solidly by the magazine catch.
2. Pull the charging handle to the rear and then manually return it forward. The bolt should remain to the rear against the bolt stop. Remove the magazine. Press in on the bolt stop. The bolt carrier assembly should be propelled forward by the operating spring.



3. Place the safety on “SAFE”. Squeeze the trigger. *The trigger should not fall.*



4. Place the safety on “FIRE”. Squeeze the trigger and hold the trigger to the rear; *the hammer should fall.* Pull the charging handle to the rear and release it. Release the trigger. *You should hear a click as you release the trigger.* Squeeze again; *the hammer should fall.*

CONTACT ARMALITE® IMMEDIATELY IF YOUR RIFLE FAILS EITHER TEST.

15. TROUBLESHOOTING

PROBLEM	CHECK FOR	WHAT TO DO
WON'T FIRE	Selector lever on “SAFE”	Put it on “FIRE”.
	Improper assembly of firing pin	Assemble correctly. NOTE: the retaining pin goes in back of large shoulder of firing pin.
	Oil or fouling in bolt	Clean with pipe cleaner.
	Defective ammunition	Remove and discard.
	Too much carbon on firing pin	Clean.
	Bolt not fully locked.	Extract cartridge, clean area.
BOLT WON'T LOCK	Dirty bolt	Clean.
	Burred or broken bolt	Contact ArmaLite®.
	Ejector stuck	Contact ArmaLite®.
	Dirt, corrosion, or carbon buildup in barrel locking lugs	Clean lugs.

WON'T EXTRACT	Broken extractor spring	Replace.
	Inner spring or reinforcement ring missing from extractor spring	Replace.
	Dirty, corroded, or reloaded ammunition	Remove and discard.
	Carbon in chamber	Clean chamber.
	Frozen or worn extractor	Remove and clean.
	Restricted buffer assembly	Remove and clean.
	Restricted movement of bolt carrier assembly.	Remove, clean and lubricate.

TROUBLESHOOTING (CONTINUED)

PROBLEM	CHECK FOR	WHAT TO DO
WON'T EXTRACT	Clogged gas tube	Replace.
	Short recoil	See below.
WON'T FEED	Dirty, corroded, or reloaded ammunition	Remove and discard.
	Dirty or defective magazine	Clean and lubricate or replace.
	Too many rounds in magazine	Remove excess rounds.
	Buffer assembly is restricted	Take out and clean buffer and spring.
	Magazine not fully seated	Adjust magazine catch: Press button on right side, and turn catch on left. Clockwise tightens.
	Short recoil	See below.
DOUBLE FEED	Defective magazine	Replace.

WON'T CHAMBER	Dirty corroded or defective ammunition.	Remove and discard.
	Ejector stuck	Clean and oil.
	Carbon in carrier key or chamber	Clean.
SHORT RECOIL	Bolt ring worn or too loose.	Replace.
	Carbon or dirt in carrier key or on outside of gas tube	Clean.
	Q-tip/pipe cleaner stuck inside carrier key	Remove.

TROUBLESHOOTING (CONTINUED)

PROBLEM	CHECK FOR	WHAT TO DO
SHORT RECOIL	Loss of gas power	Check entire gas path
	Incorrect Gas Setting	Check the Gas Selector Switch
	Weak or reloaded ammunition	Replace with factory fresh ammunition.
	Dirty rifle	Clean.
	Improper lubrication	Lubricate generously.
BOLT FAILS TO LOCK OPEN AFTER LAST ROUND	Defective magazine	Replace.
	Dirty or corroded bolt catch	Clean or replace.
SELECTOR LEVER BINDS	Needs oil	Lubricate.
	Dirt or sand under trigger.	Clean.
BOLT CARRIER "HUNG UP"	Round jammed between bolt and charging handle and/or double feed	<ol style="list-style-type: none"> 1. Remove magazine. 2. Push in on bottom of bolt catch.

3. Bang rifle butt on ground, bolt should shift to rear.

4. While bolt is held to rear, round should fall out through magazine well.

NOTE: If this procedure fails, use a cleaning rod to push bolt fully to the rear through the ejection port.

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®.

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 1-800-401-7369 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.

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

**ArmaLite, Inc
525 E Pinnacle Peak Rd
Suite 100
Phoenix, AZ 85024**

Phone: 1-800-401-7369 or 623-780-1050

Fax: 623-780-2967

Email: info@sacfirearms.com

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