

INSTRUCTION MANUAL

SLR-106FR

CALIBER - 5.56x45mm
SEMI-AUTOMATIC RIFLE



WARNING:

Before using firearm, please
read entire instruction manual.



arsenal®

1-888-539-2220 LAS VEGAS, NEVADA

*Magazine shown for illustration purposes only. Rifle is shipped with 5rd. magazine.



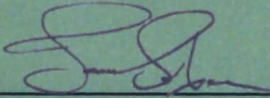
CERTIFICATE OF QUALITY

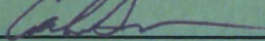
SLR-106F


Serial No. BE 1000


Is in accordance with the technical requirements for factory standard No. 70.01-94 and has been approved for operation.

Inspectors:

1. 

2. 

3. 

4. 

MANUFACTURER

Mailing address only, DO NOT send rifles to this location.

ARSENAL Inc. Nevada, U.S.A.

5015 W. Sahara Ave., Ste. 125

Las Vegas, NV 89146-3407 USA

Tel.: 1 888 539 2220 Fax: 1 702 643 2088

www.arsenalinc.com

IMPORTANT WARNING!

- Before using firearm, carefully read and then follow the instructions contained within this Manual.
- This Instruction Manual should always accompany this firearm and be transferred with it upon change of ownership.
- Please use caution when cleaning the rifle. Some solvents can damage the finish. Test any cleaning solvents in an inconspicuous area before using them.
- Before firing SLR-106FR, be absolutely certain that there are no obstructions in the barrel and chamber, such as grease, mud, snow, cleaning patches, etc. Also check to ensure that your ammunition is in good condition, the correct caliber and type, and of commercial manufacture intended for this rifle. The proper caliber designation, found stamped on the left receiver wall of this rifle, is 5.56 x 45 mm.

CONGRATULATIONS

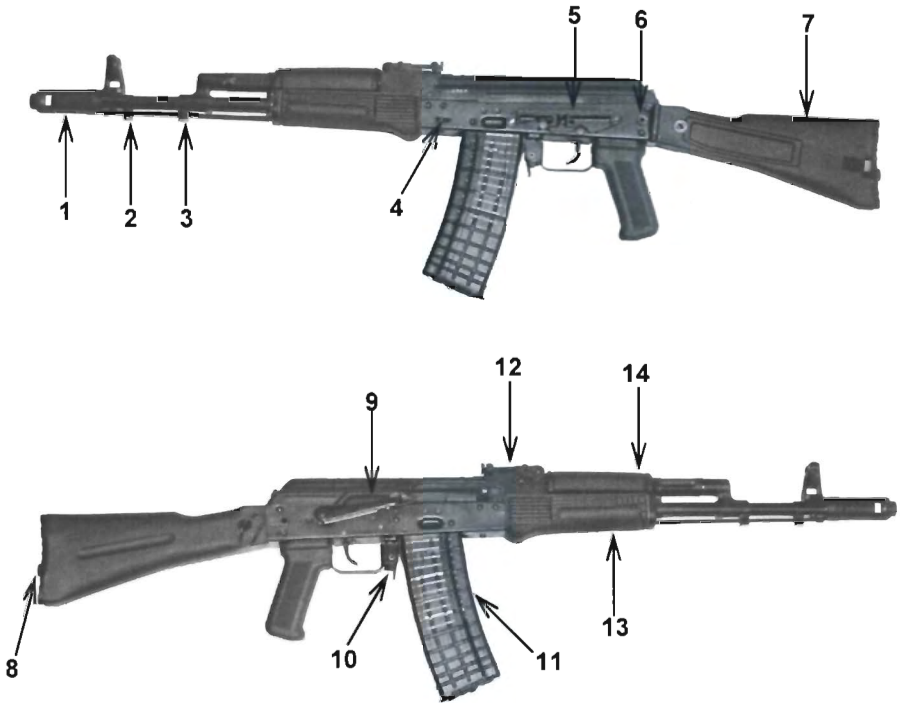
Thank you for purchasing the SLR-106FR and congratulations on acquiring the most highly developed Arsenal rifle to date.

Your SLR-106FR has been produced with the needs of rifle enthusiasts in mind. This rifle comes standard with a new left side folding buttstock. It achieves the rock-solid feel of a fixed buttstock by the use of an advanced locking mechanism. This unique buttstock includes a storage compartment designed to house the cleaning kit tube.

The lower handguard features an industry first stainless steel heat shield which greatly improves heat dissipation resulting in enhanced shooting comfort. The U.S. made fire control group includes a double stage trigger, which dramatically improves trigger let-off.

FEATURES

The SLR-106FR is a gas operated, magazine fed, air cooled semi-automatic shoulder fired sporting rifle. It operates via the time-proven, reliable, direct impingement gas system.



1. Removable muzzle brake.
2. Front-sight base with bayonet lug.
3. Gas chamber with accessory lug.
4. Buttstock catch.
5. Scope rail.
6. Buttstock latch.
7. Solid folding buttstock.
8. Buttstock catch release button.
9. Safety lever.
10. Magazine catch.
11. Magazine (30 round shown for illustration only).
12. Adjustable rear sight.
13. Lower handguard assembly with stainless steel heat shield.
14. Upper handguard with gas tube assembly.



SPECIFICATIONS

Caliber	5.56x45 mm (.223)
Total Length (with Compensator)	937 mm (36 7/8 in.)
Folded Length (with Compensator)	695 mm (27 3/8 in.)
Barrel Length	415 mm (16 1/4 in.)
Rifling	6 grooves
Twist Rate	1 turn in 178 mm (7 in.)
Weight without Magazine	3.31 Kg (7.3 lbs.)
Muzzle Velocity	910 m/s (2985 fps)
Effective Range	500 m (550 yds)
Maximum Range	1,350 m (1480 yds)
Rear Sight Range	800 m (875 yds)

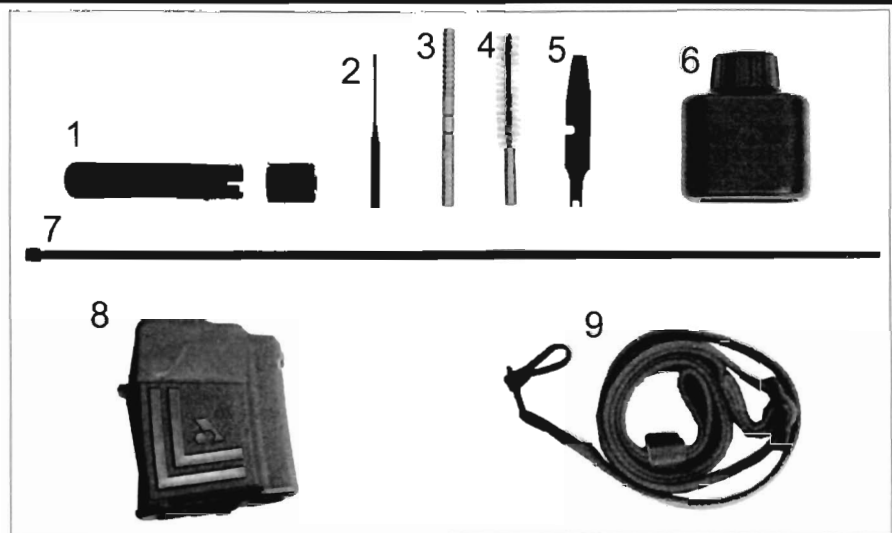
922(r) COMPLIANCE

Your SLR-106FR complies with section 922(r) of US code since it contains ten (10) or fewer foreign made parts, even when a foreign made magazine is installed. The foreign made parts used in your rifle are as follows:

1. Receiver	6. Bolt Carrier
2. Barrel	7. Gas Piston
3. Trunnion	8. Magazine Body
4. Muzzle Attachment (Muzzle Brake)	9. Magazine Follower
5. Bolt	10. Magazine Floorplate

The above list of foreign parts applies only to the serial number marked in this manual. Other rifles of the same model type may contain a different number of foreign parts. The addition of foreign made items or the replacement of U.S. made items with foreign made items may constitute a violation of section 922(r). For further information visit <http://www.arsenalinc.com/922r>

SLR-106FR ACCESSORIES



1. **Accessory Case:** Used for storing the jag, brush, and screwdriver. Also it is used as a cleaning rod handle during cleaning and lubrication of the bore. The cover can be used to center the cleaning rod and protect the bore.
2. **Drift Pin.**
3. **Cleaning Jag:** Used for cleaning and lubricating the bore.
4. **Bore Brush:** Used for cleaning the bore.
5. **Combination tool:** Used as a screwdriver, a front sight adjusting tool, and as an aid to rotate the gas tube lock.
6. **Oil Bottle:** Used for storing gun lubricants.
7. **Cleaning Rod:** Used for cleaning and lubricating the bore.
8. **5 rd. Magazine:** Holds the rifle's cartridges and feeds them into the action.
9. **Sling:** Used for carrying the rifle. May also be used for support during firing.



ARSENAL LIMITED WARRANTY

This warranty covers any service, repair and /or replacement of any product manufactured or imported by Arsenal Inc. This ensures that all Arsenal Inc. products are fully functional and free from manufacturing defects, according to factory standards.

The duration of this warranty covers any Arsenal Inc. product for, but not limited to, one year from the original purchase of the product.

This warranty does not cover, but not limited to, damage caused by failure to provide proper care and maintenance, abuse and/or misuse, improper ammunition, unauthorized adjustments, repairs, or modifications, normal wear, or cosmetic defects after one year from original purchase.

If you have any questions or would like to inquire about service, please contact:

Mailing address only, DO NOT send rifles to this location.

**ARSENAL INC. NEVADA, U.S.A.
5015 W. Sahara Ave., Ste. 125
Las Vegas, NV 89146-3407 USA
Tel.: 888-539-2220 Fax: 702-643-2088
www.arsenalinc.com**



ARSENAL SERVICE POLICY

Prior to shipping, your firearm was thoroughly inspected and test fired in order to ensure that it meets and/or exceeds factory specifications and tolerance standards.

If there are any questions or concerns regarding the performance of your product, please contact our customer service department at 1-888-539-2220. Our customer service department will determine if your product requires factory service and/or repair and will give instructions for the proper return of your product. Our qualified technicians will give your product a complete and thorough inspection to evaluate and determine the extent of the problem(s).

All products must be shipped to us prepaid. We will not under any circumstances accept collect shipments.

GENERAL SAFETY

1. Always treat the SLR-106FR as if it were loaded.
2. Never point the SLR-106FR at anything you are not prepared to shoot.
3. Never put your finger inside the trigger guard until you are ready to fire.
4. When shooting, know what is behind your target.
5. Always empty the SLR-106FR before carrying it into a house or vehicle.
6. Never climb a tree or fence with a loaded gun.
7. Never horseplay with the SLR-106FR. Your SLR-106FR can't think, but you can. SLR-106FR safety depends upon you.
8. Always load and unload the SLR-106FR with the muzzle pointed at the ground.
9. Never rest the SLR-106FR against a tree, fence, or wall.
10. Never leave the SLR-106FR unattended. Never leave the SLR-106FR where it could fall and accidentally discharge.
11. Never assume that the SLR-106FR is unloaded.
12. Never accept the SLR-106FR without checking to ensure that it is unloaded.



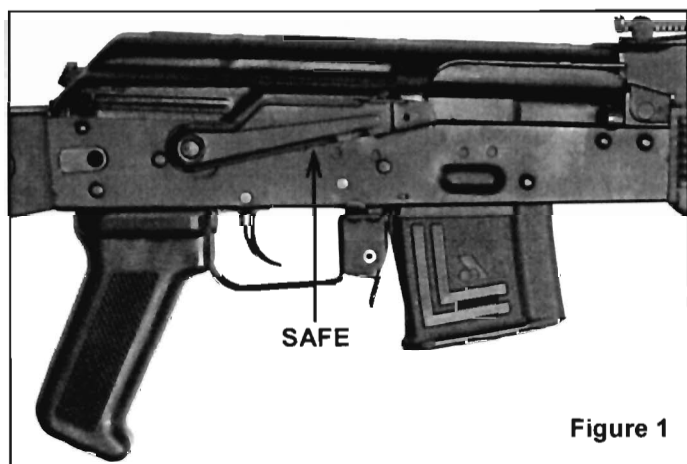
GENERAL SAFETY

13. Never take the SLR-106FR out of a vehicle by pulling it towards you by the muzzle.
14. Use only standard loads from reputable manufacturers.
15. Always load your SLR-106FR only when on the range or in the field and ready to fire. When you stop shooting, unload before leaving the field or range.
16. Store the SLR-106FR and ammunition separately and out of the reach of children.
17. Never shoot at flat hard surfaces or at the surface of water.
18. Never put your hand over the muzzle of the SLR-106FR.
19. Never squeeze the trigger unless shooting at a target or unless you have checked to ensure the firearm is unloaded and it is pointed in a safe direction.
20. Should the SLR-106FR fail to discharge after squeezing the trigger, keep it pointed in a safe direction and wait at least 60 seconds. Sometimes a slow burning primer will not ignite promptly and cause a hang fire.
21. Before using the SLR-106FR obtain instruction from a competent firearms instructor.
22. Always check your ammunition to verify that it matches your SLR-106FR.
23. Never take alcohol, drugs, or medication before or during shooting activities.
24. Improper alterations to the trigger pull can cause an accidental discharge.
25. Reloaded cartridges can be dangerous to both you and your SLR-106FR.
26. Spectators should always be at least 10 feet behind and not in line with the breech of any SLR-106FR when you are shooting.
27. Never rely on a firearm's safety to compensate for unsafe gun handling. A safety is only a mechanical device. It is not a substitute for common sense.

PROPER OPERATION OF SLR-106FR

IMPORTANT: Before using your rifle ensure that the barrel and chamber are dry and free of any grease or fouling. Always keep your rifle pointed in a safe direction.

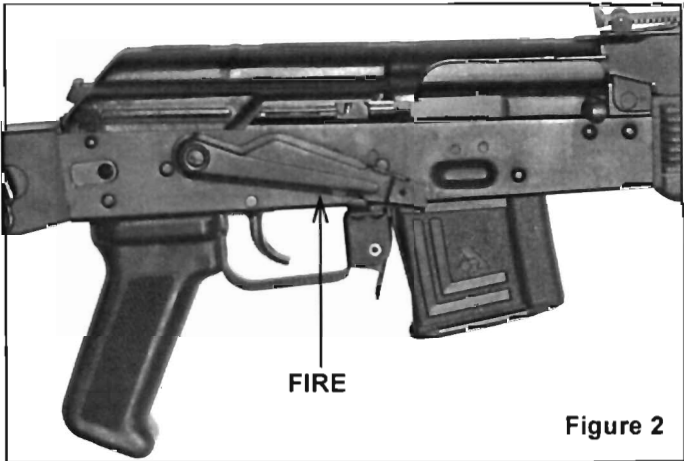
The SLR-106FR is equipped with a manual safety located on the right side of the rifle's receiver. When placed in the upper "SAFE" position a letter "S" on the receiver is visible just forward of the tip of the safety lever (fig. 1). In the "SAFE" position the trigger cannot release the hammer to fire the rifle.



In addition to preventing the rifle from being fired, it serves two other functions:

1. It prevents foreign matter and debris from entering the rifle's action through the bolt handle slot.
2. It prevents the bolt from being pulled far enough to the rear to load a cartridge from the magazine.

To set the rifle to the "FIRE" position the safety must be pushed downward until it clicks to a stop. In this position a letter "F" will be visible forward of the safety lever (fig. 2). Squeezing the trigger will fire a loaded rifle in this position.



LOADING YOUR SLR-106FR

Place the SLR-106FR on "SAFE". Remove the detachable magazine from the rifle by pushing forward on the magazine release and rocking the magazine forward and down. Load the magazine by pressing individual cartridges under the feed lips and pushing them back against the rear wall of the magazine. When the magazine is fully loaded insert the front of the magazine into the rifle's magazine well and rock the magazine up and back until it locks firmly in place. Point the rifle in a safe direction and move the safety to the "FIRE" position. Pull the bolt all the way to the rear and release it. The rifle is now loaded and ready to fire. If the rifle is not going to be fired immediately place the safety back to the "SAFE" position.

CAUTION: Unless you are actually firing, or plan to do so immediately, the safety should be kept in the "SAFE" position, regardless of whether the rifle is loaded or unloaded!



UNLOADING YOUR SLR-106FR

With the SLR-106FR pointed in a safe direction and the safety in the "SAFE" position remove the magazine. Hold the rifle by the handguard. With the other hand place the weapon on "FIRE", pull the bolt all the way to the rear and hold it in this position. This will extract and eject the cartridge in the chamber. While holding the bolt to the rear visually inspect both the chamber and bolt face to ensure no cartridges remain in the rifle. Once you have verified the rifle is empty, allow the bolt to go forward. Place the safety in the "SAFE" position.

To unload the magazine, place your thumb on the base of the top cartridge and push it forward until it is released by the feed lips. Remove all remaining cartridges in this manner.

FIRING YOUR SLR-106FR

With the SLR-106FR loaded and on "SAFE" point the rifle at your target. Place the safety in the "FIRE" position. The rifle is now ready to fire. Aim at your target and press the trigger. The rifle will fire and automatically eject the spent cartridge case and load a fresh cartridge. To fire the next shot simply release the trigger and press it again. The rifle will continue to fire in this manner as long as there is ammunition in the magazine. When the rifle is empty pull the bolt back and visually inspect the rifle's chamber and magazine to ensure there is no remaining ammunition. Place the safety to the "SAFE" position. The magazine may now be removed for reloading, or replaced with another loaded magazine.

FOLDING YOUR SLR-106FR BUTTSTOCK

To fold the buttstock on your SLR-106FR depress the buttstock latch on the left rear of the receiver (Fig.3.1). Fold the buttstock to the left side of the receiver until the buttstock catch on the front of the receiver locks into place.

To release the buttstock and return it to the extended position depress the catch release button (Fig.3.2). Extend the buttstock until it locks firmly into place.

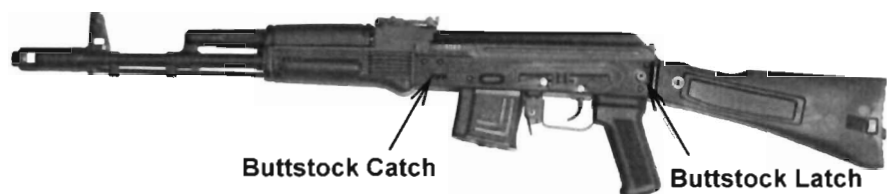


Fig. 3.1



Fig. 3.2



DISASSEMBLING YOUR SLR-106FR

CAUTION: Before attempting to disassemble the rifle verify that it is unloaded and the safety is in the "SAFE" position.

REMOVING THE MAGAZINE FROM YOUR SLR-106FR

Holding the rifle by the stock turn it so that the magazine will be facing you. Hold the magazine in your other hand, and pressing the magazine catch with the thumb of the same hand tilt the magazine forward and remove it from the magazine well.



Figure 4

SAFETY LOCK RELEASE

With the thumb of the right hand, push the selector lever downwards to the limit position of "FIRE".

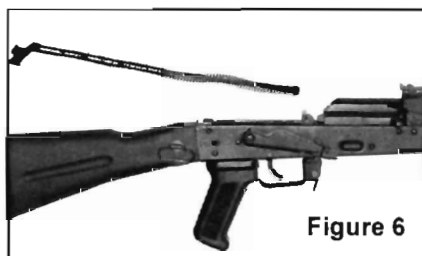
REMOVING THE RECEIVER COVER

To remove the receiver cover hold the rifle's butt stock firmly in one hand. Then with the thumb of the other hand push forward on the end of the recoil guide and lift the receiver cover upward and back from the receiver (Fig. 5).



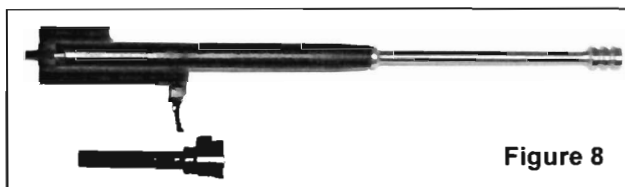
REMOVING THE RECOIL GUIDE

With the receiver cover off, grip the end of the recoil guide and spring unit, then push it forward until it clears its slot in the receiver. Lift it up slightly and pull it straight back out of the bolt carrier (Fig. 6).



REMOVING THE BOLT CARRIER ASSEMBLY

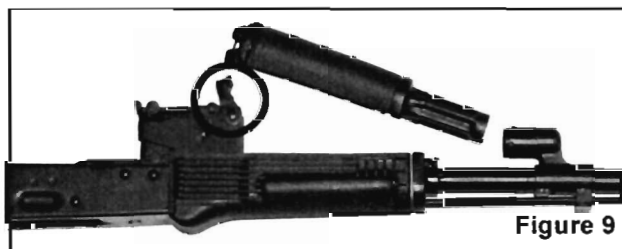
Ensure that the safety is in the "FIRE" position. Grasp the bolt handle and pull it back to the full rear of its travel. Lift the bolt carrier assembly up from the receiver and draw it to the rear and out of the gas tube/hand guard assembly (Fig. 7).



REMOVING THE GAS TUBE/HAND GUARD ASSEMBLY

Using the proper slot in the combination tool/accessory box rotate the gas tube take down lever clockwise to the position shown. Then lift up on the rear of the hand guard and pull it back and off the rifle (Fig. 9).

This completes what is commonly known as field stripping. No further disassembly is recommended except by a qualified gunsmith.



CLEANING YOUR SLR-106FR

Field strip the rifle. using a suitable cleaning rod and brush, saturate the brush with a commercial gun solvent and run the brush from the muzzle end through the length of the bore and out the chamber end. Repeat this several times. Then follow this same procedure but substitute solvent soaked cleaning patches for the brush. When the bore and chamber are clean, run dry cloth patches through to remove the solvent film.

If you do not intend to fire the rifle soon, run a patch with a small amount of gun oil through the bore to preserve it from rusting.

The stripped action parts should be wiped clean of any residue from firing with solvent and then dried. These parts should then receive a light film of gun oil to protect and lubricate them. However, the gas piston and tube should NOT be oiled. Instead just clean and dry. Before firing ensure that the bore is clean.

All exterior metal surfaces should be periodically wiped clean and lightly oiled.

WARNING: Modern gun cleaning solvents can be very aggressive. Before use, test solvents on a small portion of each part to check for possible damage to the finish of all the various metal and plastic parts. Keep in mind that more than one type of finish may exist on metal parts.

REASSEMBLING YOUR SLR-106FR

To reassemble the rifle reverse the disassembly steps. To ensure this is trouble free it is recommended that you pay close attention to the exact location and position of all parts during disassembly.



ZEROING YOUR SLR-106FR

Your SLR-106FR is already zeroed. Using the latest laser technology and proprietary high spec calibrating equipment, your SLR-106FR is zeroed to 100 meters on a special, purpose designed calibration bench.

We strongly recommend that you actually test fire the rifle before attempting to alter the factory zero to determine if it is necessary to adjust the sights zero to suit your needs. Should you choose to alter or fine tune this factory zero, you may do so by following the steps outlined below.

To adjust elevation using the "combination tool" [part 5] and "accessory case" [part 1] (see page 5)

Set a suitably large target 100 meters from the firing point. Set the rifle's rear sight to the 100 meter setting. With the rifle carefully supported on a rest, such as a shooting bench, carefully fire 5 rounds. Unload the rifle, place it on "SAFE", and then check the target. If the center of the group's point of impact coincides with your aiming point the rifle is zeroed. If the center of your shots' point of impact does not coincide with your aiming point you will need to adjust your front sight.

1. If the point of impact is below the aiming point, screw the front sight downward.
2. If the point of impact is above the aiming point, screw the front sight upward.

A 1 millimeter lateral displacement of the front sight will move the point of impact 260mm (10.25 inches) at 100 meters (328 feet). One complete revolution of the front sight will move the point of impact 200mm (8 inches) at 100 meters (328 feet).

It is not recommended that you attempt a windage adjustment to alter the factory zero.

As is the case with ALL rifles of this design, the cylindrical adjusting slide is, by specification, machined to extremely tight tolerances and is pressure fit to ensure stable positioning, requiring a special tool for adjustment.

Should the factory calibrated windage need to be adjusted to suit your needs, please consult a qualified gunsmith who has the knowledge and equipment to perform such an adjustment.

K-VAR HAS PARTS FOR YOUR SLR-106FR

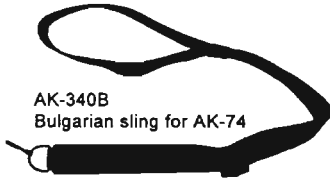
	<p style="text-align: center;">AK-223B</p>	<p>Bulgarian 5.56x45 (.223 caliber) with 14x1mm left hand threads. New pre-ban 23mm barrel. Twist rate 1:7 in.</p>
	<p style="text-align: center;">M-74NC20</p>	<p>Bulgarian 20 round "Clear Waffle" pattern 5.56x45 caliber. Made with advanced polymers for durability</p>
	<p style="text-align: center;">M-74NC</p>	<p>Bulgarian 30 round "Clear Waffle" pattern 5.56x45 caliber. Made with advanced polymers for durability</p>
	<p style="text-align: center;">AK-558B</p>	<p>Bulgarian bolt assembly is designed specifically for the 5.56x45 cartridge. It uses a spring-loaded firing pin for added safety.</p>
	<p style="text-align: center;">AK-133BU</p>	<p>Bulgarian flash hider originally designed for the AR-M1 rifle. Accepts bayonets, and will work on 5.45, 5.56 and 7.62 caliber rifles with 24mmx1.5 threads</p>
	<p style="text-align: center;">AK-556BUS(K)</p>	<p>Bulgarian 7.62x39 bolt carrier with U.S. made Arsenal Inc. stainless steel gas piston. Counts as one U.S. part for sec. 922(r) compliance.</p>
	<p style="text-align: center;">KR-004B</p>	<p>Bulgarian Military issue magazine pouch. Made from thick canvas with leather fasteners and belt loops for 2" wide belts. Holds up to four magazines of up to 30 rounds in size, in calibers 5.45x39.5, 5.56x45 and 7.62x39.</p>

ORDER PARTS ONLINE AT WWW.K-VAR.COM

Quality parts and accessories for your Arsenal rifle available from



M-74N
5.56x45 waffle pattern 30 rd. magazine



AK-340B
Bulgarian sling for AK-74



KR-004G
East German - AK74 magazine pouch



AK-BARS
Reflex red dot sight



AK-007RFS
Russian folding stock, AKS-74 folds to left side



KR-009B
Original Bulgarian 4-piece flash suppressor



AK-ANVS
8x42 WM scope equipped with standard weaver mount



AK-127B
Bulgarian bayonet with wire cutter



KV-04S
Optimized AK scope mount

K-VAR Corporation
Tel.: 702-364-8880

Visit us online at www.k-var.com
for more quality parts and accessories