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Welcome to my Romanian Kalashnikov site, the site dedicated to helping those interested in owning and operating Romanian Kalashnikov Rifles. This site was created to fill the gap of information available online about Romanian rifles. I have designed this sight to familiarize those who know little or nothing about Romanian Kalashnikov rifles learn about the many different versions that are available, and how to troubleshoot common problems.

If you are a newbie before making a decision to purchase one of these rifles know the laws in your state. If you are from CA. for example you can forget owning one of these rifles. This page could not of been possible with out the help and great information from the members of Ak-47.net .

- Thanks guys

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NEWS

Update 2005!!!

Well I got some time to come in and update a few sections. Make sure to check out the Romanian models section with history behind different series of rifles and a couple of new models.

Also updated the markings section to include a note about the new rifles, added some new stuff to the "How to Bump Fire" section. Make sure to watch the videos.

A few more updates I have not finished yet should be going up soon.

BTW: I receive a ton of emails every day, I try to answer them all, but some times I get so many my email account dumps them.

12/19/05

People that have been to my page

259181

- Straightening a Canted FSB
- Straightening a Canted Gas Block
- Fire Control Removal
- Trigger Slap Fix
- WASR-10 Magazine and Drum Well Fix

- REVIEWS -

- BlackJack Swift AK Lever
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Why own a Romanian AK versus any other made in a different country?

The reason many choose a Romanian AK is because of the value. They are some of the lowest priced AKs on the market with out a loss in functionality. Thus if you do your shopping correctly, for the price of a SLR-85 (a US made AK that cost about \$500) you can buy a nice looking SAR-1 with 6 magazines, and a couple thousand rounds of ammunition. That's what makes these rifles so cool, you get one of the biggest bangs for the buck.

What about these quality control issues I have been hearing about?

If you do your homework correctly most quality issues can be avoided. For example some Romanian models contain more problems then others, though these rifles are so easy to work on most problems can be fixed with simple tools.

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- Straightening a Canted FSB
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FAQ

This is the FAQ(Facts, Answers, Questions), I have placed, and will continue to place answers to the many questions I always get asked via email.

Q. What does SAR stand for?

A. Semi-Automatic Rifle.

Q. What does WASR stand for?

A. I dont know, and neither does any one else.

Q. What does Romak stand for?

A. Romanian AK.

Q. Are you Romanian?

A. NO, I live in Texas.

Q. Arn't AK type rifles banned?

A. Yes and No, the select fire AK yes, the semi-auto version with US parts no.

Q. What states can I buy one of these rifles in?

A. I think all of em except for California, and now Conneticut. Though there are restrictions in NJ, MD, and NY(New York City).

Q. What/How many US parts are in a SAR?

A. There are five, Gas Piston, Pistol Grip, Hammer, Disconector, and Trigger

Q. Were is the best place to purchase a Romanian AK?

A. I recomend AIM surplus(check the links section).

Q. Do drums work with SARs?

A. Yes.

Q. One of your descriptions of my Romanian AK says not to buy one, well I own one and it kicks ass, you should change the description!

A. I get this one all the time, no I will not change the description, its geared towards buying a first AK, now your rifle my be fine, but the majority have the described problem.

Q. Doesn't owning all those military weapons make you want to go on a mass murder spree?

A. NO, take your brainwashing some where else.

- [Straightening a Canted FSB](#)
- [Straightening a Canted Gas Block](#)
- [Fire Control Removal](#)
- [Trigger Slap Fix](#)
- [WASR-10 Magazine and Drum Well Fix](#)

- REVIEWS -

- [BlackJack Swift AK Lever](#)
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About Me

Well it seems every one rushed to this section didn't they?

Well about my self, a few years ago I wanted to get into AKs, but there was little or no information, like many newbies, I was lost. So uninformed I walked into a gun shop and purchased what was labeled as a MAK-90. When I got home with it I noticed it said WASR-10....to make a long story short thats why I created this site, to inform and document as much info about Romanain AKs that are legal to be owned in the United States, and so far I appear to have the only Romanian AK site.

I live in San Marcos Texas which is part of the beautifull Central Texas Hill Country. I attend college at SouthWest Texas (SWTSU) (now Texas State) working towards a major in computer Science. My hobbies are computers and guns.

To get in contact with me you can [E-Mail](#) or post in the [Romanian Forum](#) located on AK-47.net. I go buy the alias linx310.

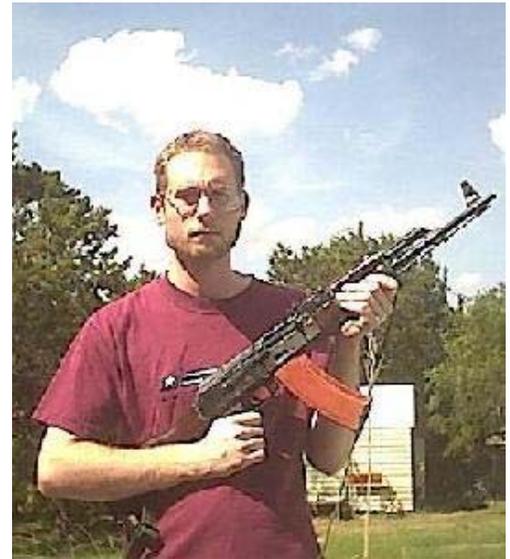
Below are some pics of SOME of my Military Rifles.



This is my WASR-10, when I got it I thought it was a MAK-90(it had a dragnov thumbhole stock), after doing some research I discovered it was a Romanian WASR-10s. Well I then order a romanian blonde buttstock to go with the hand guards and it turned out great!(no, i do not know where to find handguards(try K-VAR), they came with the rifle). Later I added a Red Star Arms FCG and it shoots like a dream.(NOTE the Hand Grenade in the Pic is inert, I just used it for decoration!)

- [Straightening a Canted FSB](#)
- [Straightening a Canted Gas Block](#)
- [Fire Control Removal](#)
- [Trigger Slap Fix](#)
- [WASR-10 Magazine and Drum Well Fix](#)

Here is a picture of myself with my SAR-2



- REVIEWS -

- [BlackJack Swift AK Lever](#)
- [BlackJack Buffers](#)
- [HiCap's Large Capacity Magazine](#)
- [Red Star Arms Shepard Hook Replacement](#)
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This page describes the know versions of Romanian AK clones. Below each description is a picture of the model being described. Note: The prices listed may be out of date or different in your area, it all depends on demand and location.

SAR SERIES

- [What is a SAR-1?](#)
- [What is a SAR-2?](#)
- [What is a SAR-3?](#)

WASR SERIES

Pre September 2004 WASRs

- [What is a WASR-10 low-cap \(model 1\)?](#)
- [What is a WASR-10 low-cap \(model 2\)?](#)
- [What is a WASR-10 hi-cap \(model 1\)?](#)
- [What is a WASR-10 hi-cap \(model 2\)?](#)

Post September 2004 WASRs

- [What is a WASR-10 low-cap \(model 1\)?](#)
- [What is a WASR-10 low-cap \(model 2\)?](#)
- [What is a WASR-10 hi-cap \(model 1\)?](#)
- [What is a WASR-10 hi-cap \(model 2\)?](#)
- [What is a GP WASR-10?](#)
- [What is a GP WASR-10 Folder?](#)
- [What is a WASR-2?](#)
- [What is a WASR-3?](#)

EARLY ROMANIANS

Romaks

- [What is a Romak 991?](#)
- [What is a Romak 992?](#)
- [What is a Romak 1?](#)
- [What is a Romak 2?](#)

WUMs

- [What is a WUM 1?](#)
- [What is a WUM 2?](#)

CURS

- [What is a CUR 2?](#)
- [What is a MK II?](#)

SAR Series overview/history...

The SAR (Semi Auto Rifle) series of guns were once the flagship Romanian rifle series until importation ceased in late 2003 and early 2004. These rifles were as close as you can get to a general issue eastern block AKM. They are so close in fact that the stampings to drill the third sear hole are even on the receiver.

The SAR series came in three "flavors". The SAR-1, SAR-2, and SAR-3 from which all were imported from 1999-2004.

Getting a straight answer on why the SAR series ceased importation is hard to come by, most believe that Century Arms and CUGIR could not come to an agreement on price. The other, and more probable is that the BATF gave Century Arms a "Cease and Desist" on SAR importation because when they came in they were not 992 compliant from the start.

[What is a SAR-1?](#)

SAR series models

[What is a SAR-2?](#)

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[What is a SAR-3?](#)

SAR-1

What is a SAR-1?

A SAR-1 is a P.D.B (Produced During assault weapons Ban) Romanian semi-automatic AKM (aka AK-47) clone. This rifle has a pistol grip and can accept AK-47 Hi-capacity magazines, which are very cheap and plentiful. The end of the barrel has no threads. It uses the standard AK-47 7.62*39 cartridge. The fit and finish of this rifle is average, mainly because of the mismatched wood and some odd metal finishing marks. Most Sar-1s have some form of trigger slap, which can be easily fixed by following the Trigger Slap fix tutorial. Another problem that may be encountered is canted sights. There are 5 US parts and 10 imported parts. Note: The 2001 through early 2004 models are of higher quality then the 2000 and 1999 models. The advantages of this rifle are its reliability, cost, very large selection of replacement parts, cheap ammo, and the very cool noise of the original AK-47 round the 7.62*39. If you want a clone true to the original this is it. Overall this is a great starter AK. They are now NO LONGER imported, replaced by a sister gun the WASR series.

- Straightening a Canted FSB
- Straightening a Canted Gas Block
- Fire Control Removal
- Trigger Slap Fix
- WASR-10 Magazine and Drum Well Fix



Price Limit: \$375-475
 Caliber: 7.62*39
 Double Stack: YES
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A SAR-1 with 30 round steel magazine owned by 91101

- REVIEWS -

- BlackJack Swift AK Lever
- BlackJack Buffers
- HiCap's Large Capacity Magazines
- Red Star Arms Shepard Hook Replacement
- Red Star Arms Adjustable Trigger

SAR-2

What is a SAR-2?

A SAR-2 is a P.D.B (Produced During assault weapons Ban) Romanian semi-automatic clone of the AK-74. This Rifle has a pistol grip and can accept Hi-capacity Ak-74 bakelight magazines, which are extremely cheap and plentiful. The end of the barrel has no threads. The rifle uses the AK-74's 5.45*39 cartridge. The fit and finish of this rifle is average, but slightly better than the SAR-1 mainly because of the mismatched wood and some odd metal finishing marks. Most Sar-2s have some form of trigger slap, which can be easily fixed by following the Trigger Slap fix tutorial. Another problem that may be encountered is canted sights. There are 5 US parts and 10 imported parts. This rifle is a great second or third AK. The advantages of this rifle are its low recoil, reliability, and cheap mags. The glaring disadvantage of this rifle is the supply of 5.45*39 in the US because it is not domestically manufactured, and some replacement parts are less common. They are now NO LONGER imported, and have been replaced by a sister gun in the WASR series.



Price Limit: \$400-475
 Caliber: 5.45*39
 Double Stack: YES
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A SAR-2 with 30 bakelight magazine owned by neverenuf

SAR-3

What is a SAR-3?

A SAR-3 is a P.D.B (Produced During assault weapons Ban) Romanian semi-automatic clone of an actual Romanian prototype rifle, that utilized the 5.56*45 round to be in compliance with NATO. This rifle has a pistol grip and can accept Hi-capacity SAR-3 magazines. Unfortunately most SAR-3 magazines are utter crap, purchase only the ones made by Wieger. This rifle has no threads at the end of the barrel and has 5 US parts and 10 imported parts. The fit and finish of this rifle is average, but slightly better than the SAR-1 mainly because of the mismatched wood and some odd metal finishing marks. Most Sar-3s have some form of trigger slap or fire control group problem caused by the importer Century's monkey employs, though models produced after 2002 seem to not have an issue with the FCG. Another problem that may be encountered is canted sights. The advantages of this rifle are its low recoil, and the ability to use the domestically manufactured 5.56*45 round. The glaring disadvantage of this rifle is the bad internals, unreliable magazines (unless they are Weiger), and some replacement parts may cannot be obtained and must be fashioned from AK-74 parts. Some of the earlier models of this rifle do not make a good first AK. They are now NO LONGER imported, replaced by a sister gun in the WASR series.



Price Limit: \$340
 Caliber: 5.56*45
 Double Stack: YES
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A SAR-3 with 30 bakelight magazine owned by 91101

[Early Romanian AKM rifles overview/history...](#)

The early Romanian AKM rifles consist of a number of different models that did not take off like the SAR or WASR series. These earlier rifles, imported from 1997 to 1999 seem to be an experiment by the Romanians to see what could be imported and placed on the US market that was still compliant with the then in effect "AW Ban" and Section 992.

These rifles range from strange (receivers with moon cuts) to outstanding (CUR).

Early Romanian AKM models

[What is a Romak 991?](#)

[What is a Romak 2?](#)

[What is a CUR 2?](#)

[What is a Romak 992?](#)

[What is a WUM 1?](#)

[What is a MK II?](#)

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[What is a Romak 1?](#)

[What is a WUM 2?](#)

Romak 991

What is a Romak 991?

A Romak 991 is a P.D.B (Produced During assault weapons Ban) Romanian semi-automatic AKM (aka AK-47) clone. This rifle has a thumbhole stock and cannot accept Hi-capacity magazines. The end of the barrel has nut welded over it and some rifles may have threads under the nut but most do not. It uses the standard AK-47 7.62*39 cartridge. The fit and finish of this rifle is average because of some odd metal finishing marks and the thumb hole stock. The major flaw of this rifle is some of the receivers have been cut so you cannot add a pistol grip. The advantages of this rifle are its reliability, cost, very large selection of replacement parts, uses factory original parts, and cheap ammo. I would avoid this rifle if you want a model closer to the original AK because of the low capacity and some receiver have been cut to prevent pistol grip conversions.



Price Limit: \$370
Caliber: 7.62*39
Double Stack: NO

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A Romak 991 with 10 round single stack magazine

Romak 992

What is a Romak 992?

The Romak 922 now has 2 different versions.

Low Cap version:

A Romak 992 is a P.D.B (Produced During assault weapons Ban) Romanian semi-automatic AK-74 clone. This rifle has a thumbhole stock and cannot accept Hi-capacity magazines. The end of the barrel has nut welded over it and some rifles may have threads under the nut but most do not. It uses the standard AK-74 5.45*39 cartridge. The fit and finish of this rifle is average because of some odd metal finishing marks and the thumb hole stock. The major flaw of this rifle is some of the receivers have been cut so you cannot add a pistol grip. The glaring disadvantage of this rifle is the supply of 5.45*39 in the US because it is not domestically manufactured, accepts only low caps, and some replacement parts may be hard to obtain. The advantages of this rifle are its reliability, cost, low recoil, and uses factory original parts. I would avoid this rifle if you want a model closer to the original AK because of the low capacity and some receiver have been cut to prevent pistol grip conversions.



Price Limit: \$400
Caliber: 5.45*39
Double Stack: NO

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A Romak 992 with 10 round single stack magazine (actually a pic of a Romak 991, they look identical)

Hi-Cap version:

A Romak 992 is a P.D.B (Produced During assault weapons Ban) Romanian semi-automatic AK-74 clone. This rifle has a wood pistol grip, can accept Hi-capacity magazines, and has a muzzle brake tac welded on. This rifle has enough changes to be considered different than a Romak 2. It uses the standard AK-74 5.45*39 cartridge. The fit and finish of this rifle is good, though there may be some odd metal finishing marks. The glaring disadvantage of this rifle is the supply of 5.45*39 in the US because it is not domestically manufactured, and some replacement parts may be hard to obtain. The advantages of this rifle are its reliability, and low recoil. This rifle recently hit the market in 2004 for a limited time, it is a Romak 922 that has been converted to hicap by SOG(Southern Ohio Guns) and had the original stock setup replaced with a really nice one designed by IronWood with some type of muzzle brake tac welded on. This rifle makes a good entry level into the AK-74 world, though the SAR-2 is a better buy. WATCH FOR PEOPLE TOTING THESE AS SAR-2s!



Price Limit: \$450
 Caliber: 5.45*39
 Double Stack: YES

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A Romak 992 Hicap with 30 round double stack bakelite magazine

Romak 1

What is a Romak 1?

A Romak 1 is a P.D.B (Produced During assault weapons Ban) Romanian semi-automatic AKM (aka AK-47) clone, basically the Hi-capacity version of the Romak 991. This rifle has a thumbhole stock and can accept Hi-capacity magazines. The end of the barrel has nut welded over it and some rifles may have threads under the nut but most do not. It uses the standard AK-47 7.62*39 cartridge. The fit and finish of this rifle is average and expect to find some odd metal finishing marks and a thumb hole stock. The major flaws of this rifle is some of the receivers have been cut so you cannot add a pistol grip, and some times they may have canted sights. The advantages of this rifle are its reliability, cost, very large selection of replacement parts, uses factory original parts, and cheap ammo. I would avoid this rifle if you want a model closer to the original AK because some have cut receivers to prevent pistol grip conversions, and go for a higher price than similar AKs.



Price Limit: \$400
 Caliber: 7.62*39
 Double Stack: YES

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A Romak 1 with a steel 30 round double stack magazine

Romak 2

What is a Romak 2?

A Romak 2 is a P.D.B (Produced During assault weapons Ban) Romanian semi-automatic AK-74 clone, this rifle is the hi-capacity version of the Romak 992, and is usually referred to as the MK II (it's the same gun). This rifle has a thumbhole stock and can accept Hi-capacity magazines. The end of the barrel has nut welded over it, but has no threads under the nut. It uses the standard AK-74 5.45*39 cartridge. The fit and finish of this rifle is average, mainly because some of the receivers have odd cuts and miss aligned front sights. The glaring disadvantage of this rifle is the supply of 5.45*39 in the US because it is not domestically manufactured, and some replacement parts may be hard to obtain. The advantages of this rifle are its reliability, cost, cheap mags, and low recoil. I would avoid this rifle if you want a model closer to the original AK because it's a little over priced, and some have been reported with odd cuts in the receivers, go with a CUR 2 instead. Don't pay over \$400.



Price Limit: \$400
 Caliber: 5.45*39
 Double Stack: YES
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A Romak 2 with a 30 round bakelight magazine

MK II

What is a MK II?

A MK 11 is a P.D.B (Produced During assault weapons Ban) Romanian semi-automatic AK-74 clone, basically this rifle is a early version of the Romak 2 before being marked as such. This rifle has a thumbhole stock and can accept Hi-capacity magazines. The end of the barrel has nut welded over it, but has no threads under the nut. It uses the standard AK-74 5.45*39 cartridge. The fit and finish of this rifle is average, mainly because some of the receivers have odd cuts and miss aligned front sights. The glaring disadvantage of this rifle is the supply of 5.45*39 in the US because it is not domestically manufactured, and some replacement parts may be hard to obtain. The advantages of this rifle are its reliability, cost, cheap mags, and low recoil. I would avoid this rifle because it's a little over priced, and some have been reported with odd cuts in the receivers, go with a CUR 2 instead.



Price Limit: \$450
 Caliber: 5.45*39
 Double Stack: YES
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A MK II with 30 round bakelight magazine

CUR 2

What is a CUR 2?

A CUR 2 is a P.D.B (Produced During assault weapons Ban) Romanian semi-automatic AK-74 clone. This rifle has a pistol grip and can accept Hi-capacity magazines. A good number have been reported with the AK-74 style muzzle brake instead of a muzzle nut. It uses the standard AK-74 5.45*39 cartridge. The fit and finish of this rifle is good. The glaring disadvantage of this rifle is the supply of 5.45*39 in the US because it is not domestically manufactured, and some replacement parts may be hard to obtain. The advantages of this rifle are its reliability, cheap mags, cost, and low recoil. This is another great starter AK but may be over priced. NOTE: This rifle is essentially a MK II, the only difference is slightly higher quality and the AK-74 brake.



Price Limit: \$440
 Caliber: 5.45*39
 Double Stack: YES
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A CUR 2 with 30 round bakelight magazine(Note the AK-74 muzzle brake)

WUM 1

What is a WUM 1?

A WUM I is a P.D.B (Produced During assault weapons Ban) Romanian semi-automatic AKM(aka AK-47) clone. This rifle has a thumbhole stock and can accept Hi-capacity magazines. The end of the barrel usually has a nut welded over it, but a good number have been reported threads under the nut. It uses the standard AK-47 7.62*39 cartridge. The fit and finish of this rifle can range from poor to good, earlier models usually have little or no machine marks and good looking wood, later models have been reported with odd receiver cuts, engraved messages in the receivers, canted sights, corroded barrels, and cuts that prevent pistol grips from being installed. The advantages of this rifle are its reliability, cheap mags, cost, and cheap ammo. I would avoid this rifle because of the varying reports of quality; though they can be nice AKs; if you are going to purchase one inspect it.



A WUM 1 with 5 round single stack magazine

Price Limit: \$440
 Caliber: 7.62*39
 Double Stack: YES
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WUM 2

What is a WUM 2?

A WUM II is a P.D.B (Produced During assault weapons Ban) Romanian semi-automatic AK-74 clone. This rifle has a thumbhole stock and can accept Hi-capacity magazines. The end of the barrel usually has a nut welded over it, but a good number have been reported threads under the nut. It uses the standard AK-74 5.45*39 cartridge. The fit and finish of this rifle can range from poor to good, earlier models usually have little or no machine marks and good looking wood, later models have been reported with odd receiver cuts, engraved messages in the receivers, canted sights, corroded barrels, and cuts that prevent pistol grips from being installed. The glaring disadvantage of this rifle is the supply of 5.45*39 in the US because it is not domestically manufactured, some replacement parts may be hard to obtain, and the wide variety of quality. The advantages of this rifle are its reliability, low recoil, and cheap mags. I would avoid this rifle because of the varying reports of quality and the very high cost; if you are going to purchase one inspect it. These rifles are some what rare, prices are usually high!



A WUM 2 with 5 round single stack magazine(actualy a picture of a WUM 1, they look the same)

Price Limit: -----
 Caliber: 5.45*39
 Double Stack: YES
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WASR Series overview/history...

Originally conceived as a AKM that could be owned in states with more restrictive gun laws on magazine capacity the WASR series was always considered a step sister to the SAR series of rifles. Eventually distributors found it hard to sell the stockpiles of low-cap WASR rifles and started to mill out the receiver to accept hi-capacity magazines along with updating the part count to make them section 992 compliant.

Still even the hi-cap models of the WASR remained the "bastard step child" of the SAR series until very recently when it became the prominent Romanian AK series when the SARs ceased to be imported.

The WASR family of rifles is now the largest Romanian group of AKM rifles sold in the United States and has been imported from 1999 to present date.

The WASR series has three major groups each with its own series of sub models. The early & pre September 2004 models were produced to be complaint with the then in effect "AW Ban". The post September 2004 models include features that were previously not legal under the "AW Ban". It is not uncommon to find pre September 2004 models that have been modified post September 2004 to have features that were previously not legal.

One notable feature about the late 2005 - present models of WASRs is that they are being constructed from part-kits de-milled from Real Romanian AKMs (unissued) produced in the late 70s to mid 80s.

WASR series models

What is a pre. Sept 2004 WASR-10 low-cap (model 1)?
 What is a pre. Sept 2004 WASR-10 hi-cap (model 2)?
 What is a post. Sept 2004 WASR-10 hi-cap (model 1)?
 What is a GP WASR-10 folder?

What is a pre. Sept 2004 WASR-10 low-cap (model 2)?
 What is a post. Sept 2004 WASR-10 low-cap (model 1)?
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 What is a WASR-2?
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What is a pre. Sept 2004 WASR-10 hi-cap (model 1)?
 What is a post. Sept 2004 WASR-10 low-cap (model 2)?
 What is a GP WASR-10?
 What is a WASR-3?

WASR-10 Series pre Sept. 2004 (1999 - 2004)

What is a pre Sept. 2004 WASR-10?

Their are 4 different primary pre Sept. 2004 versions.

Low Cap model 1:

A WASR-10 is a P.D.B (Produced During assault weapons Ban) Romanian semi-automatic AKM (aka AK-47) clone. This version of the rifle has a thumbhole stock and cannot accept Hi-capacity magazines. The end of the barrel usually has a nut welded over it, but has no threads. It uses the standard AK-47 7.62*39 cartridge. The fit and finish of this rifle is good; this rifle has some of the best looking Blonde wood and some minor machining marks. The glaring disadvantage of this rifle is the low capacity and thumbhole stock. The advantages of this rifle are its reliability, cheap ammo, large selection of replacement parts, all Romanian parts, and beautiful wood. This is a good starter AK but I would buy one of the Hi-capacity models that can be had for a little more.



Price Limit: \$260
 Caliber: 7.62*39
 Double Stack: NO
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A WASR-10 lowcap version 1 with 10 round single stack magazine submitted by 91101

Low Cap Model 2:

A WASR-10 is a P.D.B (Produced During assault weapons Ban) Romanian semi-automatic AKM (aka AK-47) clone. This version of the rifle has a pistol grip and cannot accept Hi-capacity magazines. The end of the barrel usually has a nut welded over it, but has no threads. It uses the standard AK-47 7.62*39 cartridge. The fit and finish of this rifle is good; this rifle has some of the best looking Blonde wood and some minor machining marks. The glaring disadvantage of this rifle is the low capacity. The advantages of this rifle are its reliability, cheap ammo, large selection of replacement parts, and beautiful wood. This is a good starter AK but I would buy one of the Hi-capacity models that can be had for a little more.



Price Limit: \$260
 Caliber: 7.62*39
 Double Stack: NO
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A WASR-10 lowcap version 2 with 10 round single stack magazine(I added the buttstock because I could not find a pic, usally the wood matches)

High Cap Model 1:

A WASR-10 is a P.D.B (Produced During assault weapons Ban) Romanian semi-automatic AKM (aka AK-47) clone. This version of the rifle has a thumbhole stock and can accept Hi-capacity magazines because the receiver was milled out. The end of the barrel usually has a nut welded over it, but has no threads. It uses the standard AK-47 7.62*39 cartridge. The fit and finish of this rifle is good; this rifle has some of the best looking Blonde wood and some minor machining marks. The glaring disadvantage of this rifle is some machining burrs on the mag-well should be removed with a file because it causes some magazines to fit tightly. Also this rifle lacks the dimples to keep the Hi-capacity magazines from wobbling side to side, and instead have plates welding inside the receiver. This rifle has 10 Imported parts and 4 US parts. The advantages of this rifle are its reliability, cheap ammo, large selection of replacement parts, accepts single and double stack magazines, and has beautiful wood. This is a good starter AK and is great if you cannot find a SAR-1, want to save some money, or want to have a AK that accepts both single stack and double stack magazines. You can easily convert it to a pre-ban look by ordering the Romanian blonde butt stock and a US pistol grips from a number of US part suppliers. This will change your parts count to 10 imported parts and 5 US parts, which is legal.



Price Limit: \$310
 Caliber: 7.62*39
 Double Stack: YES
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A WASR-10 High cap version 1 with 30 round steel magazine

High Cap Model 2:

A WASR-10 is a P.D.B (Produced During assault weapons Ban) Romanian semi-automatic AKM (aka AK-47) clone. This version of the rifle has a pistol grip and can accept Hi-capacity magazines because the receiver was milled out. The end of the barrel usually has a nut welded over it, but has no threads. It uses the standard AK-47 7.62*39 cartridge. The fit and finish of this rifle is average; this rifle has wood similar to the SAR and some minor machining marks. The glaring disadvantage of this rifle is some machining burrs on the mag-well should be removed with a file because it causes some magazines to fit tightly. Also this rifle lacks the dimples for to keep the Hi-capacity magazines from wobbling side to side, and instead have plates welding inside the receiver. This rifle has 10 Imported parts and 5 US parts. The advantages of this rifle are its reliability, cheap ammo, large selection of replacement parts, accepts single and double stack magazines, and is cheaper then the SAR-1. This is a good starter AK and is great if you cannot find a SAR-1, want to save some money, or want an AK that accepts both single and double stack magazines.



Price Limit: \$320
 Caliber: 7.62*39
 Double Stack: YES
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A WASR-10 High cap version 2 with 30 round steel magazine(I added the buttstock because I could not find a pic, though it is a correct representation of the types of mismatched wood found on this version)

WASR-10 Series post Sept. 2004 (2005 - present)

What is a post Sept. 2004 WASR-10?

Their are 5 different primary post Sept. 2004 versions. Most are converted pre. Sept 2004 models.

Low Cap model 1:

A WASR-10 is a Romanian semi-automatic AKM (aka AK-47) clone. This version of the rifle has a thumbhole stock and cannot accept Hi-capacity magazines. The end of the barrel usually has a nut welded over it, but some have started to appear with threads. It uses the standard AK-47 7.62*39 cartridge. The fit and finish of this rifle is good; this rifle has some of the best looking Blonde wood and some minor machining marks. The glaring disadvantage of this rifle is the low capacity and thumbhole stock. The advantages of this rifle are its reliability, cheap ammo, large selection of replacement parts, all Romanian parts, and beautiful wood. This is a good starter AK but I would buy one of the Hi-capacity models that can be had for a little more.



Price Limit: \$260
 Caliber: 7.62*39
 Double Stack: NO
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A WASR-10 lowcap version 1 with 10 round single stack magazine submitted by 91101

Low Cap Model 2:

A WASR-10 is a Romanian semi-automatic AKM (aka AK-47) clone. This version of the rifle has a pistol grip and cannot accept Hi-capacity magazines. The end of the barrel usually has a nut welded over it, but some

have started to appear with threads. It uses the standard AK-47 7.62*39 cartridge. The fit and finish of this rifle is good; this rifle has some of the best looking Blonde wood and some minor machining marks. The glaring disadvantage of this rifle is the low capacity. The advantages of this rifle are its reliability, cheap ammo, large selection of replacement parts, and beautiful wood. This is a good starter AK but I would buy one of the Hi-capacity models that can be had for a little more.



Price Limit: \$260
 Caliber: 7.62*39
 Double Stack: NO
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A WASR-10 lowcap version 2 with 10 round single stack magazine(I added the buttstock because I could not find a pic, usually the wood matches)

High Cap Model 1:

A WASR-10 is a Romanian semi-automatic AKM (aka AK-47) clone. This version of the rifle has a thumbhole stock and can accept Hi-capacity magazines because the receiver was milled out. The end of the barrel usually has a nut welded over it, but some have started to appear with threads. It uses the standard AK-47 7.62*39 cartridge. The fit and finish of this rifle is good; this rifle has some of the best looking Blonde wood and some minor machining marks. The glaring disadvantage of this rifle is some machining burrs on the mag-well should be removed with a file because it causes some magazines to fit tightly. Also this rifle lacks the dimples to keep the Hi-capacity magazines from wobbling side to side, and instead have plates welding inside the receiver. This rifle has 10 Imported parts and 4 US parts. The advantages of this rifle are its reliability, cheap ammo, large selection of replacement parts, accepts single and double stack magazines, and has beautiful wood. This is a good starter AK and is great if you cannot find a SAR-1, want to save some money, or want to have a AK that accepts both single stack and double stack magazines. You can easily convert it to a pre-ban look by ordering the Romanian blonde butt stock and a US pistol grips from a number of US part suppliers. This will change your parts count to 10 imported parts and 5 US parts, which is legal.



Price Limit: \$310
 Caliber: 7.62*39
 Double Stack: YES
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A WASR-10 High cap version 1 with 30 round steel magazine

High Cap Model 2:

A WASR-10 is a Romanian semi-automatic AKM (aka AK-47) clone. This version of the rifle has a pistol grip and can accept Hi-capacity magazines because the receiver was milled out. The end of the barrel usually has threads. It uses the standard AK-47 7.62*39 cartridge. The fit and finish of this rifle is average; this rifle has wood similar to the SAR and some minor machining marks. The glaring disadvantage of this rifle is some machining burrs on the mag-well should be removed with a file because it causes some magazines to fit tightly. Also this rifle lacks the dimples for to keep the Hi-capacity magazines from wobbling side to side, and instead have plates welding inside the receiver. This rifle has 10 Imported parts and 5 US parts. The advantages of this rifle are its reliability, cheap ammo, large selection of replacement parts, accepts single and double stack magazines, and is cheaper then the SAR-1. This is a good starter AK and is great if you cannot find a SAR-1, want to save some money, or want an AK that accepts both single and double stack magazines.



Price Limit: \$320
 Caliber: 7.62*39
 Double Stack: YES
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A WASR-10 High cap version 2 with 30 round steel magazine(I added the buttstock because I could not find a pic, though it is a correct representation of the types of mismatched wood found on this version)

GP WASR-10

What is a GP WASR-10?

A GP WASR-10 is a Romanian semi-automatic AKM (aka AK-47) clone. This version of the rifle has a pistol grip and can accept Hi-capacity magazines because the receiver was milled out. The end of the barrel has threads, a bayonet lug, and comes with a muzzle brake. It uses the standard AK-47 7.62*39 cartridge. The fit and finish of this rifle is average; this rifle has wood similar to the SAR and some minor machining marks. The glaring disadvantage of this rifle is some machining burrs on the mag-well should be removed with a file because it causes some magazines to fit tightly. Also this rifle lacks the dimples for to keep the Hi-capacity magazines from wobbling side to side, and instead have plates welding inside the receiver. This rifle has 10 Imported parts and 5 US parts. The advantages of this rifle are its reliability, cheap ammo, large selection of replacement parts, accepts single and double stack magazines, comes with a threaded barrel, and now has a bayonet lug. This is a good starter AK and is great if you cannot find a SAR-1, want to save some money, or want an AK that accepts both single and double stack magazines with all the post AW ban features.



Price Limit: \$400

Caliber: 7.62*39

Double Stack: YES

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A WASR-10 GP with 30 round steel magazine. Image courtesy of www.aimsurplus.com

GP WASR-10 Folder

What is a GP WASR-10 Folder?

A GP WASR-10 is a Romanian semi-automatic AKM (aka AK-47) clone. This version of the rifle has a pistol grip and can accept Hi-capacity magazines because the receiver was milled out. The end of the barrel has threads, a bayonet lug, and comes with a muzzle brake. This model is unique in that it has a folding stock. It uses the standard AK-47 7.62*39 cartridge. The fit and finish of this rifle is average; this rifle has wood similar to the SAR and some minor machining marks. The glaring disadvantage of this rifle is some machining burrs on the mag-well should be removed with a file because it causes some magazines to fit tightly. Also this rifle lacks the dimples for to keep the Hi-capacity magazines from wobbling side to side, and instead have plates welding inside the receiver. This rifle has 10 Imported parts and 5 US parts. The advantages of this rifle are its reliability, cheap ammo, large selection of replacement parts, accepts single and double stack magazines, comes with a threaded barrel, and now has a bayonet lug and a foilding stock. This is a good starter AK and is great if you cannot find a SAR-1, want to save some money, or want an AK that accepts both single and double stack magazines with all the post AW ban features.



Price Limit: \$400

Caliber: 7.62*39

Double Stack: YES

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A WASR-10 GP Folder version with 30 round steel magazine. Image courtesy of www.aimsurplus.com

WASR-2

What is a WASR-2?

A WASR-2 is a Romanian semi-automatic clone of the AK-74. This Rifle has a pistol grip and can accept Hi-capacity Ak-74 bakelight magazines, which are extremely cheap and plentiful. The end of the barrel has no threads, but does I beileve have a bayonet lug. The rifle uses the AK-74's 5.45*39 cartridge. The fit and finish of this rifle is above average mainly because of the some odd metal finishing marks. Most WASR-2s have some form of trigger slap, which can be easily fixed by following the Trigger Slap fix tutorial. Another problem that may be encountered is canted sights. Some people have reported feeding problems with thier WASR-2s so it might be a good idea to inspect it. There are 5 US parts and 10 imported parts. This rifle is a great second or third AK. The advantages of this rifle are its low recoil, reliability, and cheap mags. The glaring disadvantage of this rifle is the supply of 5.45*39 in the US because it is not domestically manufactured, and some replacement parts are less common. UPDATE: A few of these rifles have some feeding issues. If yours does not feed the magazine latch may have been milled down to far. Possible solutions are to replace the magazine latch or send it back to Century to have it fixed.



Price Limit: \$400
 Caliber: 5.45*39
 Double Stack: YES
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A WASR-2 with 30 bakelite magazine. Image courtesy of www.aimsurplus.com

WASR-3

What is a WASR-3?

A WASR-3 is a Romanian semi-automatic clone of an actual Romanian prototype rifle, that utilized the 5.56*45 round to be in compliance with NATO. This Rifle has a pistol grip and can accept Hi-capacity SAR--3/WASR-3 magazines. Unfortunately most SAR-3/WASR-3 magazines are utter crap, purchase only the ones made by Weiger. The end of the barrel has no threads, but I do believe that they have a bayonet lug. The fit and finish of this rifle is above average mainly because of the some odd metal finishing marks. Most WASR-3s have some form of trigger slap, which can be easily fixed by following the Trigger Slap fix tutorial. Another problem that may be encountered is canted sights. LOTS of people have reported feeding problems with thier WASR-3s so it might be a good idea to inspect it. There are 5 US parts and 10 imported parts. This rifle is NOT a good first AK. The advantages of this rifle are its low recoil, and the ability to use the domestically manufactured 5.56*45 round. The glaring disadvantage of this rifle is the spotty feeding problems, unreliable magazines (unless they are Weiger), and some replacement parts cannot be obtained and must be fashioned from AK-74 parts. Current early models of this rifle do not make a good first AK because of the feeding issue. UPDATE: A LOT of these rifles have some feeding issues. If yours does not feed the magazine latch may have been milled down to far. Possible solutions are to replace the magazine latch or send it back to Century to have it fixed.



Price Limit: \$400
 Caliber: 5.56*45
 Double Stack: YES
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Picture depicts WASR-2 with 30 bakelite magazine. WASR-3 looks similar but gas block is 90 degrees instead of 45. Image courtesy of www.aimsurplus.com



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This page describes the several Romanian rifles based on the Kalashnikov design but are an attempt to mimic another type of rifle or are a little too different to be considered full fledged AK clones.. Note: The prices listed may be out of date or different in your area, it all depends on demand and location.

[What is a Romak 3?](#)

[What is a PAR-1?](#)

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What is a Romak 3

What is a Romak 3?

A Romak 3 is a P.D.B (Produced During assault weapons Ban) Romanian semi-automatic PSL clone (The PSL is a Romanian rifle that is similar to the Dragunov) . Commonly advertised as a Dragunov clone, these rifles use an entirely different recoil system (the same system the AK uses) then the Dragunov. This rifle has the thumbhole skeleton stock and can accept detachable 10 round magazines made for the Dragunov or Romanian PSL. It uses the high power 7.62*54mm cartridge. At the end of the barrel is a compensator that works quite well. This rifle commonly comes with the Romanian PSO-1 scope. The fit and finish of this rifle can range from average to poor, mainly because of the ugly finish on the wood. The FCG is close to the one included with all original Romanian AK's. You can replace the FCG with the one from RSA for a better two-stage trigger. I believe this rifle is 100% Romanian with no US parts(don't quote me though, if you know email me ASAP). The advantages of this rifle are that with proper ammunition it can group nicely, it is reliable, it is well balance, and its looks impress every one at the range. This is a nice rifle if you want some thing close to the Russian Dragunov. At about \$800 dollars a pop though you can buy a bolt-action rifle that is a lot more accurate. Don't pay over \$900 for one of these.



Price Limit: \$900

Caliber: 7.62*54

Double Stack: -----

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A Romak 3 with 10 round magazine

PAR-1

What is a PAR-1?

A PAR-1 is a P.D.B (Produced During assault weapons Ban) Romanian pump action AKM (aka AK-47) clone. This rifle has a pistol grip and can accept AK-47 Hi-capacity magazines. The rifle is the results of "niche" market for those in states, such as California, a chance to own a rifle similar to the SAR-1. This rifle uses a pump action to cycle the rounds and is not semi-automatic. It uses the standard AK-47 7.62*39mm cartridge. The fit and finish of this rifle is average. There are a few reports of trigger slap but I have not heard enough of them to warrant any concern. The pump action system I assume is still based on that of the Kalashnikov design so reliability is probably good unless one doesn't complete the pumping action all the way. I do not know what exactly the part count is (if you know email me) but it's probably close to that of the SAR-1. The advantages of this rifle are its very cheap ammo, ability to use hi-capacity magazines, and that it can be owned by those "trapped" in states where semi-auto versions are banned. I would stay away from this rifle because they are expensive, they most likely lose some of the reliability the AK is know for, and replacement parts are probably impossible to come buy. These go for about \$360 but don't pay over \$400.



Price Limit: \$400

Caliber: 7.62*39

Double Stack: YES

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- [Straightening a Canted Gas Block](#)

- [Fire Control Removal](#)

- [Trigger Slap Fix](#)

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- REVIEWS -

- [BlackJack Swift AK Lever](#)

- [BlackJack Buffers](#)

- [HiCap's Large Capacity Magazine](#)

- [Red Star Arms Shepard Hook Replacement](#)

- [Red Star Arms Adjustable Trigger](#)

A PAR-1 with no magazine

PAR-3

What is a PAR-3?

A PAR-3 is a P.D.B (Produced During assault weapons Ban) Romanian pump action clone of an actual Romanian prototype rifle, that utilized the 5.56*45 round to be in compliance with NATO . This rifle has a pistol grip and can accept Hi-capacity magazines made for the SAR-3. The rifle is the results of "niche" market for those in states, such as California, a chance to own a rifle similar to the SAR-3. This rifle uses a pump action to cycle the rounds and is not semi-automatic. It uses the standard United States 5.56*45mm cartridge. The fit and finish of this rifle is average. There are a few reports of trigger slap but I have not heard enough of them to warrant any concern. The pump action system I assume is still based on that of the Kalashnikov design so reliability is probably good unless one doesn't complete the pumping action all the way. I do not know what exactly the part count is (if you know email me) but it's probably close to that of the SAR-1. The advantages of this rifle are its very cheap domestic ammo, ability to use hi-capacity magazines, and that it can be owned by those "trapped" in states where semi-auto versions are banned. I would stay away from this rifle because they are expensive, they most likely lose some of the reliability the AK is know for, and replacement parts are probably impossible to come buy. These go for about \$360 but don't pay over \$400.



Price Limit: \$400
 Caliber: 5.56*45
 Double Stack: YES
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A PAR-3 with no magazine

AK-22 / Romanian Military Training Rifle

What is a AK-22?

A AK-22 is a Romanian produced AKM clone that utilized the 22lr cartridge. This rifle has a pistol grip and can only accept magazines designed for it. The fit and finish of this rifle is average. There are reports of feeding issues with this rifle. I do not know what exactly the part count is (if you know email me) but it's probably close to that of the SAR-1. The advantages of this rifle are its very cheap domestic ammo. I would stay away from this rifle because they most likely have lost some of the reliability the AK is know for, and replacement parts & magazines are probably impossible to come buy.



Price Limit: \$300
 Caliber: 22lr
 Double Stack: NO
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A AK-22 picture courtesy of SOG



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-

What types of ammo are used in Romanian AKs?

There are 3 different types of ammo used in Romanian AKs. Listed below is the three types and a quick explanation.



The above pic was created by J.A Freeman, his site is located in the links section.

7.62*39

7.62*39mm is the original AK-47 round. Comparable to the Winchester 30-30 in power, this round is one of the perfect blends of power and performance. The advantages of this round is the very low cost, high muzzle energy, and it is now domestically manufactured. Disadvantages of this round is the weight of carrying large amounts of this ammo type compared to the smaller 5.54*39mm round.

5.45*39

5.45*39mm is the new AK-74 round. This round is based on the idea that light weight small rounds can perform as well as the larger bore rifle rounds in combat by "tumbling" once it hits a target, this round is so devastating it has the nick name of the "poison bullet". This advantages of this round are the low recoil, very high velocity, and level trajectory. The disadvantages are its cost is a little more than 7.62*39mm and is not domestically manufactured.

5.56*45

5.56*45mm(.223) is a NATO developed round. This round was never used in an actual military AK except for a few prototypes developed by Romanian to qualify with NATO small arms guidelines. The advantages of this round is the low recoil, low weight, very high velocity, flat trajectory, and it is domestically manufactured. The disadvantages is the cost is slightly more than most Russian steel cased rounds and it is not a true AK round.

Below is a Ballistics chart so you can get an idea of what each round is capable of:

- Straightening a Canted FSB

- Straightening a Canted Gas Block

- Fire Control Removal

- Trigger Slap Fix

- WASR-10 Magazine and Drum Well Fix

- REVIEWS -

- BlackJack Swift AK Lever

- BlackJack Buffers

- HiCap's Large Capacity Magazine

- Red Star Arms Shepard Hook Replacment

- Red Star Arms Adjustable Trigger

Ballistics Chart

Round Type	Nominal Caliber	Case Length	Bullet Weight	Muzzle Velocity	Muzzle Energy
5.45*39mm	5.45 mm	39 mm	3.4 grams	900 MPS	1377 Joules
.223 Remington	5.56 mm	45 mm	4.0 grams	945 MPS	1786 Joules
7.62*39mm	7.62 mm	39 mm	7.4 grams	715 MPS	1892 Joules

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Which round is the best?

Which round is the best?

This question is impossible to answer, yet I have people ask this all the time. My answer to this question is what ever round you prefer. Though if I had a choice to chosing a rifle closest to the AK-47 I would go with the 7.62*39mm, on the other hand if I wanted a rifle closest to the AK-74 I would choose the 5.45*39mm. Also don't dis-credit the .223 (5.56*45mm) because its not an original AK round, it is a awsome cartridge.

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Which brand work the best?

Which brand work the best?

Again another question that is impossible to answer. It depends on if your going to go plinking or going to compete in matchs. Since I dont compete I usally use Wolf brand ammo(its steel case). AK rifles eat this stuff like candy, its cheap and performs well too.

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Whats the difference between steel case and brass cased rounds?

Whats the difference between steel case and brass cased rounds?

The steel cased rounds are usally cheaper to produce then brass cased, thus the ammunition cost less. Though one should be mindfull that the lubricating lacquer can get messy. Make sure you clean your rifle once home from the range because the lacquer can build up possibly causing a jam(common in high tolerance rifles such as the AR-15, its not a big problem with AK type rifles). Don't let this discourage you from purchasing this type of ammo though, many militarys around the world used this type of ammuntion.

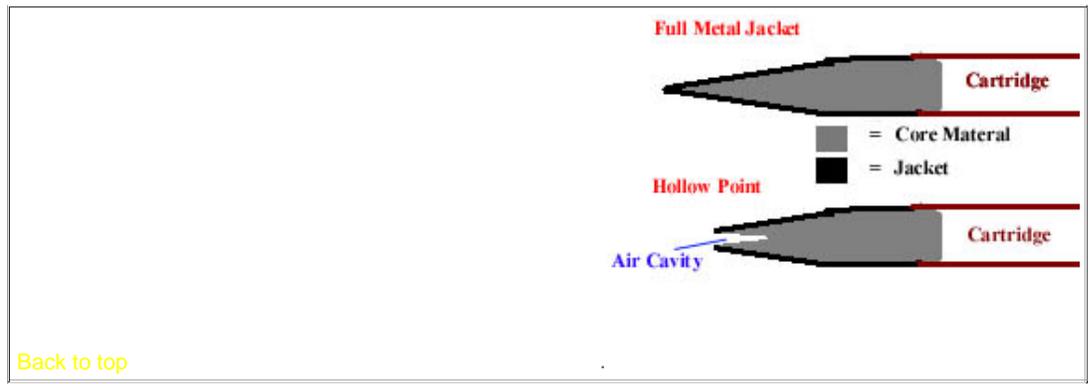
The brass cased rounds are usally more expensive to produce but are less messy, and can some times be reloaded. With AK type rifles usally the steel case is used more often, but most match grade and hunting cartridges use brass. If you like to reload your ammuntion then brass is the only way to go.

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What is the difference between Hollow Point(HP) and Full Metal Jacket(FMJ) rounds?

What is the difference between Hollow Point(HP) and Full Metal Jacket(FMJ) rounds?

Full Metal Jacket have a metal jacket, usally made out of brass that encloses the core of the bullet. FMJ rounds are designed more for penetration then expansion. The Hollow Point round on the other hand is designed to expand rapidly causing large wound ballistics. The rapid expansion is caused by the hollow air cavity in the front of the bullet filling up with a water like substance(such as flesh) forcing the bullet to mushroom. Current NATO laws forbid the use of Hollow Points in combat because of the massive wounds they can cause. To sum it up FMJ rounds are better against body armour then HP. On the other hand HP rounds are better against non-armoured soft targets then FMJ rounds. This is why they are used in hunting more often then FMJ.





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AK Type Rifle Overview

The AK or Avomat Kalashnikov rifle is the worlds most widely used firearm that has seen service in over 75 wars. Currently the rifle holds the world record for most produced, sporting well over 100 million units, produced by a number of countries. Well enough of a history lesson, there are plenty of other sights out there that are better history teachers then I.

First off this section is designed to familiarize those what the AK is and does and how to buy one. This guide pertains to those legally available in the United States.

So you want to own an AK, and all you know is that you have seen them on TV a couple of times and in movies...or your friend of a friend knows some one who has one...or you buddy claims that an AK can shoot through a tank and or is a piece of unreliable crap...well this guide will set you straight and shove some of those rumors or myths where the sun doesn't shine.

The AK in a nutshell is the most reliable, simple, and low cost rifle system in the world.

The rifles reliability is almost god like, no other gun can compare I personally have put close to 5,000 rounds through the AK in a single session and not experience a single failure. According to a book title "Legends and Reality of the AK" the testing of the prototypes at that took place at the Izhevsk factory, that during the durability test each prototype had ran through more the 13,000 rounds before testing was terminated because all on hand ammunition had been fired. I would like to see an AR-15 do that!

The AK is also extremely simple, designed for a conscript in the military that can not read, it had to be simple to take apart and operate. Basic disassembly can be complete with no tools. The rifles operation could not be simpler, just set the selector lever to fire, pull back the charging handle, aim, and shoot.

The AK is probably one the lowest costing, and by low cost I don't mean cheap! It can be produced with basic machinery and some of the crudest materials. This is probably one of the main reasons poorer countries continue to produce the rifle; there is no better "buy".

Though the AK is probably as close as your going to get to a perfect military rifle, it is not perfect. First the rifle can get hot quickly, so hot that it makes it unbearable to shoot, a lot of people call this overheating, but that's not true, the rifle will continue to fire long after your hands are burned. Second the rifle is really short, considering it was designed for the average under fed conscript and made to fit in tight spaces this is understandable, but to American shooters who are used to M1s and M14s it is quite small. Third and probably its biggest flaw is the rifles safety, to change the selector lever position you have to physical take a hand off the rifle and move it, unlike most rifles where it can be operated with a thumb.

Now several myths exist about the AK that need to be put to rest. The first is that the rifle is not accurate and you can't "hit the side of a barn." This is total bullshit; it is accurate enough with zeroed sights to hit a man-sized target out to about 300 yards. With a few simple modifications, such as lapping the crown, I have seen SAR-3 shoot 1 moa or under at 100 yards. Another common rumor is that the AK is unreliable, I am not sure where this one came from, but again that is false; it is the most reliable rifle in the world. An AK can shoot through a tank or such and such, this rumor seems to be common "knowledge" for those that play games like counter strike, thought these games are fun, don't believe what the so called "weapon experts" on the websites and message boards tell you.

So why would one want an AK say over a Mini-14 or AR-15. Well first off the AK is a hell of a lot better then the Mini-14, though the Mini is really accurate for its first two or three shots, once the barrel becomes warm a lot of people have trouble getting them to group reliably. Second cheap functional Hi-Cap magazines for the Mini-14 are almost impossible to find, and when one does find a functioning Hi-cap magazine, they literally pay for it! How ever some people seem very happy with there Mini-14, but for the price of a Mini-14 you could get an AK and a ton of accessories and ammo. Ahh, the AR-15 and AR owners...the AK owners arch rival! Just kidding, a lot of AK owners own AR-15s too because it's a great gun, hell I even own one. Unfortunately the AR-15 is a really, really pricey. For the price of the cheapest AR-15 you could buy 2 AK rifles and accessories! Also the AR-15 series ranges from good reliability (not excellent like the AK) to total shit (kit guns assembled from a rainbow of company names).

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- Straightening a Canted Gas Block
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- Trigger Slap Fix
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- BlackJack Buffers
- HiCap's Large Capacity Magazine
- Red Star Arms Shepard Hook Replacement
- Red Star Arms Adjustable Trigger

Well enough of me blabbing...below is a picture that shows the names of different parts and sections of a basic AK rifle. I will use these name through out my web page to refer to the sections depicted.



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Identifying "Cant"

So what is "Cant". Well its just like it sounds, a part of the rifle is canted. Cant is really common on early model Romanian rifles and less common on newer models.

Cant is found by looking in two places on the rifle. The first place is the Front Sight Block (far left in picture) and the second is the rifle's Gas Block/Tube (far right in picture). Look at the picture below if you need help finding there location.



The first place to look is the front sight base, look at the picture to the right, the front sight base outlined in red is canted while the one in the background is not.

When shopping for a AK don't look directly down the barrel like I did in the shot because you will look like a idiot. A Canted front sight block is just a looks thing; I have seen some very canted rifles shoot perfectly straight. Also Cant can be either way to the left or right and vary in how severe of an angle it is Canted.

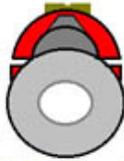


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Front View of Rifle with front sight base removed



Not a Canted Gas Block



Canted Gas Block

The second place Cant is common is on the gas tube. The picture to the left depicts looking at the rifle head on if the Front Sight was transparent. Notice how the gas block (the dark grey looking thing) is canted compared to the other one. Cant on a gas block can be serious, if the Cant is just a little then its not to much of a problem, but if it is canted severely it can cause problems with the rifles gas piston leading to jams and malfunctions.

Lucky Cant can be fixed three ways. First, you could call Century International Arms up and ask them to fix it, they will usually do this for free, but people have mixed results with them. Second, you could try to find a gunsmith willing to do it, but this can get expensive. Third, you could fix it yourself by following my "Fixing Cant/Front Sight Block Replacement" tutorial.

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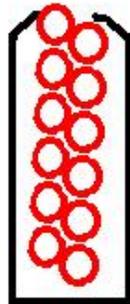
It is a sin to use the word "clip". Thou shall only use the word "clip" only when referring to stripper clips or the M1 Garand.

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What does Double Stack mean?

What does Double Stack mean?

Double Stack is the term used to describe magazines that have rounds positioned in a double configuration as show in the diagram below. This is the configuration used in standard capacity magazines



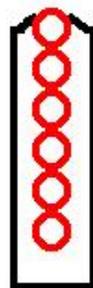
Red Circles represent rounds

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What does Single Stack mean?

What does Single Stack mean?

Single Stack is the term used to describe magazines that have rounds positioned in a single configuration as show in the diagram below. This is the configuration used in for low capacity magazines.



Red Circles represent rounds

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Common Single Stack Magazines Types

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Magazines
are
to
Scale

- A [Steel 5 round single stack ribbed magazine](#)
- B [Steel 10 round single stack ribbed magazine](#)

Clicking on the corresponding link will provide more information

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Common Double Stack Magazines Types



Magazines
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Clicking on the corresponding link will provide more information

- A [Steel 5 round double stack ribbed magazine](#)
- B [Steel 10 round double stack ribbed magazine](#)
- C [Steel 20 round double stack ribbed magazine](#)
- D [Steel 30 round double stack ribbed magazine](#)
- E [Steel 30 round double stack slabside magazine](#)
- F [Bakelite 30 round double stack ribbed magazine](#)
- G [Polymer 30 round double stack waffle magazine](#)
- H [Steel 40 round double stack ribbed magazine](#)
- I [Steel 55 round double stack ribbed magazine](#)

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How do I load a magazine?

Here is the common way to load a magazine.

	<p>This is a picture of an empty magazine, note the follower</p>
<p>Step 1: Place the round in the center of the feed lips</p>	
	<p>Step 2: Press down firmly until the round snaps into place.</p>
<p>Step 3: The round is now loaded into the magazine.</p>	
	<p>Step 4: To continue loading repeat the above process.</p>

Make sure that each round is clear of the front of the magazine. If not the magazine will not accept any more rounds.



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How can I tell if a magazine is fully loaded?

Other than counting the rounds as they are loaded, if you look at the bottom rear of the magazine you will notice a small hole that is commonly called the "Witness Hole". If you can see a round the magazine is fully charged.



Magazine is not fully charged

Magazine is fully charged, note the round showing through the hole.



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Romanian AK Markings Database

This page contains information on what to look for when trying to ID a certain rifle. This database was assembled from the collective effort from the members on AK-47.net. Thus not all markings may appear in the place described, it depends on a number of factors, including human error.

To use the database just look up the rifle type on the below table and note the location of the markings. Then check the loaction described. The picture below are there to show you were you should direct your attention. Also a lot of people ask how you can tell what year the rifle was manufactured in, well look at the seral number and ussally you can see the year.

EX: A SAR-1s seral number is in this format(with X's denoting a random number):

TYPE//SERALNUMBERS//YEAR

S1-xxxx-2001

Years for all rifles can range from 97-2004. **NOTE: Rifles after 2004 use a new numbering system since they have been built from un-issued de-milled Romanian AKM part kits produced in the late 70s & early 80s. Until a pattern is found for these rifles assume they are post 2004 production.**



Right Side of Receiver



Right Sight Block



Left Side of Receiver



Left Sight Block

Database

Rifle Type	Right Side of Receiver	Right Sight Block	Left Side of Receiver	Left Sight Block
SAR-1	MADE BY CN ROMARM SA/CUGIR IN ROMANIA IMPORTED BY CAI GEORGIA,VT	Nothing Written	S1-xxxx-2001 SAR-1 Cal 7.62x39mm	Nothing Written

<p style="text-align: center;">- REVIEWS -</p> <ul style="list-style-type: none"> • BlackJack Swift AK Lever • BlackJack Buffers • HiCap's Large Capacity Magazine • Red Star Arms Shepard Hook Replacment • Red Star Arms Adjustable Trigger 	Sar-2	MADE BY CN ROMARM SA/CUGIR IN ROMANIA IMPORTED BY CAI GEORGIA,VT	Nothing Written	S2-xxxx-2002 SAR 2 Cal. 5.45x39mm	Nothing Written
	Sar-3	MADE BY S.N.ROMARM S.A./CUGIR IN ROMANIA IMPORTED CAI St. Alb.VT.	Nothing Written	S3-xxxx-2000 SAR 3 Cal. 5.56x45mm	4/4 (this may not be present)
	MK II	Nothing Written	Intrac MKII 5.45x39	3-xxxx-97	Intrac Arms, Knox TN Ratmill,made in Romania
	CUR 2	Nothing Written	CUR2 5.45x39	3-xxxx- 97	Intrac Arms, Knox TN Ratmill,made in Romania
	Romak 991	Nothing Written	ROMAK 99.1 Cal. 7.62x39mm	1-xxxx-99	ROMAK/CUGIR MADE IN ROMANIA DIG Va. Bch. Va.
	Romak 992	Nothing Written	ROMAK 99.2 Cal. 5.45x39mm	2-xxxx-99	ROMAK/CUGIR MADE IN ROMANIA DIG Va. Bch. Va.
	Romak 1	Nothing Written	ROMAK 1 Cal. 7.62x39	1-xxxx-97	RATMIL/CUGIR MADE IN ROMANIA DIG Va. Bch. Va.
	Romak 2	Nothing Written	ROMAK 2 Cal. 5.45x39	3-xxxx-97	RATMIL/CUGIR MADE IN ROMANIA DIG Va. Bch. Va.
	Romak 3	Nothing Written	ROMAK 3 Cal.7.62x54mm	R-xxxx-1999	ROMARM CUGIR Made IN ROMANIA DIG Va. Bch. Va.
	WASR-10	MADE BY S.N.ROMARM SA/CUGIR IN ROMANIA IMPORTED CAI St. Alb.VT.	Nothing Written	1-xxxx-99 WASR-10 Cal. 7.62x39mm	Nothing Written
	WUM 1	Nothing Written	Nothing Written	WUM 1-XXXX MADE IN ROMANIA BY ROMTEHNICA / CUGIR CAL 7.62x39 MM	INTERORDNANCE OF AMERICA, L.P. MONROE, N.C.
	WUM 2	Nothing Written	Nothing Written	WUM 2-XXXX MADE IN ROMANIA BY ROMTEHNICA / CUGIR CAL 5.45x39 MM	INTERORDNANCE OF AMERICA, L.P. MONROE, N.C.



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Trouble Shooting

Below is a list of common problems and solutions. More to come...

P. My AK is stove piping or failing to extract (the round is getting stuck in between the charging handle and receiver as it is ejected)

S. A gummed up extractor usually causes this, when these rifles are shipped they are covered in cosmoline to prevent rust. Thus the cosmoline gets down inside the extractor and causes it to stick. To clean it follow my Bolt Disassembly tutorial and make sure it's free of any cosmoline when you put it back together.

P. My AK is still stove piping or failing to extract after cleaning the extractor

S. Take your rifle apart and make sure the gas port and tube are free of any obstructions. Also check and see if your gas piston is bent. If your gas piston is bent really bad it will need to be replaced.

P. My semi-auto AK is firing of two-three rounds when I pull the trigger once

S. This malfunction can be dangerous because it can lead to a slam fire(the rifle then explodes). The most common cause for this is Century's crap fire control group. Some times they are not heat-treated correctly and can become worn out. The only course of action is to replace it with another fire control group.

If you are experiencing this with a Red Star Arms fire control group you have the trigger set to too light of a trigger pull or your Allen screws have changed position while firing (because you failed to lock-tite them) leading to a situation where your disconnecter doesn't engage.

Another possibility is your Shepard hook is installed incorrectly and one of the axis pins has come lose causing the fire control group to become misaligned. Look at my fire control group installation tutorial to install it correctly.

And finally your firing pin could be clogged with cosmoline. To clean it follow my Bolt Disassembly tutorial and make sure it's free of any cosmoline when you put it back together.

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Links

- Places to find information -



AK-47.net is the best AK site on the net. This site contains mountains of information. Visit the forum and learn just about any thing you want to know about AKs

AK-47/AK-74 Rifles

A site owned by J.A Freeman. Has a good overview of diffrent types of AKs not just from Romania



If you want a complete history lesson and more on the Kalashnikov rifles then this is your site



Marks page has an excelent guide on building a AK from a kit



Website design by [Jon Hurley](#) of Wulfgar.net

- Places to purchase accessories and ammo -



Awesome site, here you can purchase tons of very cool hard to find AK accesories, including the legendary Kobra site

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Red Star Arms deals with upgrading and improving firearms. Maker of the adjustable AK trigger



This sites as just about every thing gun related you can think of. There custmor service is so awsome its scary!



BlackJack currently sells some of the most advanced rifle buffers on the market.



This place has every thing you can think of concerning military ammuntion and accessories. Has lots of great prices



Go here for some of the best ammo prices on the net!

- Places to buy complete rifles, though you must have a FFL dealer do the purchase -



I recomend buying from here before you do with Century because of the great tech support.



Century International Arms (they are the ones that import the rifles)





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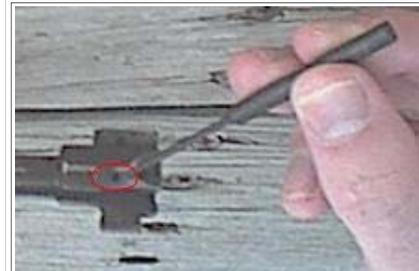
Bolt Disassembly

One of the most avoided and least discussed disassemblies is that of the bolt. Some people fear the intricate workings of small parts and avoid it like the plague. Well, there are some small parts, but it's not as scary as it looks. Before we begin, disassembling you bolt is not required every time your rifle needs cleaning or maintenance. In fact I only disassemble and fully clean the bolt once every 3 months or so. I recommend to users who have no idea how to field strip and clean their rifle to avoid disassembling their bolt until they have mastered the basics. The disassembly of the bolt requires you use the pin punch located in the AKs tool kit (See the Butt Stock Tool Kit Uses tutorial for more information). If you do not have one of these use a punch that will fit the pinholes.



Here is a picture of the bolt, your bolt may look slightly different, but the parts should be the same. Take note of the two pinholes. The top hole stores the pin for the extractor, and the bottom one holds the pin for the firing pin.

Using the pin punch insert the smaller end of the punch into the bottom hole. Once inserted slowly push the pin out. If the smaller end of the punch will not fit into the pinhole try the other side of the pinhole. Once the pin has fallen out remove the pin punch and dump the firing pin out of the bolt (shown below). Be VERY careful not to lose the firing pin retainer pin.

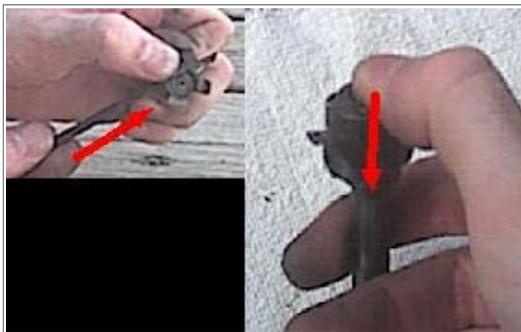


After the firing pin is removed, insert the punch into the top pinhole. You must insert the pin punch on the side in which the extractor retainer pin is flat and not shaped at an angle. As you begin to push the pin out use your thumb to apply pressure on the extractor to make the pin come out easier. Once the pin has been fully pushed out DO NOT let your thumb off of the extractor. Under the extractor is a spring, to prevent it from flying off into the unknown I recommend you let go of the extractor in a plastic bag. Once the extractor

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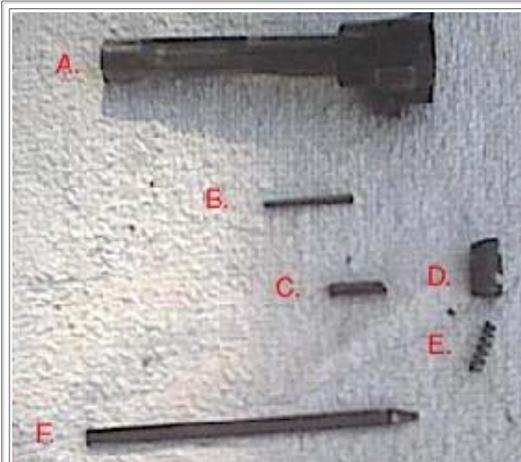


has been removed be VERY careful not to lose the small spring and the extractor pin.

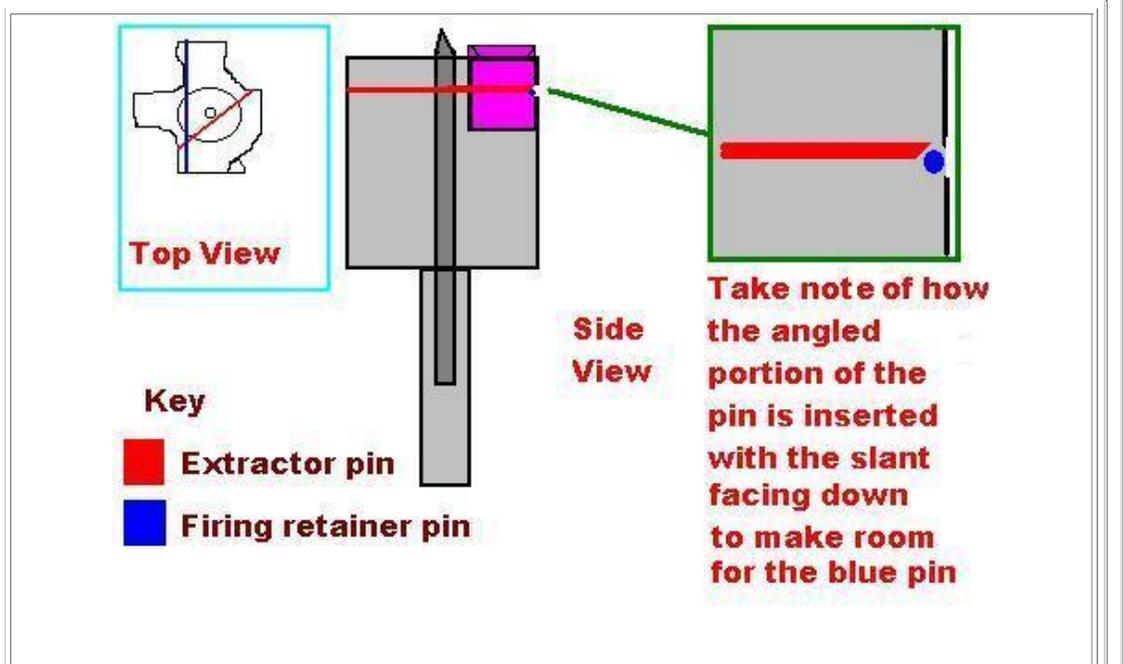
Well you have now fully disassembled the bolt. Take note of the small parts.

Part List:

- A. Bolt
- B. Firing Retainer Pin
- C. Extractor Retainer Pin
- D. Extractor
- E. Extractor Spring
- F. Firing Pin



Reassembly is done exactly in the reverse order of assembly, except for a few note worthy twist. The first step to reassemble is reinstalling the extractor. To reinstall, place the small spring back inside of the extractor. Next place the extractor, with the spring inside, back into the bolt. Make sure the inside curved part of the bolt is facing towards the center. Once the extractor is in place line up the extractor pin as shown in the drawing below, so the slant on the extractor pin does not obstruct the firing retainer pin's path. If it is not lined up this way the pin that retains the firing pin will not fit. Once the pin is lined up, press down firmly on the extractor and insert the pin. The pin should get to hard push by hand or with a punch. To insert the pin the rest of the way find a hard 90 degrees surface and press the pin in until flush with bolt. Luckily, the specific spot on the bolt were this pin is inserted is almost cut to 90 degrees so a table edge should push the pin flush. Once the pin is flush with the bolt use the pin punch to push it even further into the bolt until you can see all the way through the pinhole that holds the firing retainer pin.



The picture above depicts the bolt with the face portion standing up. This is an example of how the angled portion of the extractor retaining pin (Red Pin) needs to be. Always remember to put the slant on the pin like it is shown, you will know if you did this correctly if you can clearly see through the firing retainer pinhole (Blue Pin).

Once you have the extractor correctly installed, it's time to reinstall the firing pin. Again this portion of the assembly has a twist to it. Taking a look at the firing pin you will notice its oddly shaped near the front pointy end. The firing pin is shaped like this so the firing retainer pin can hold it into place.



This is the less tapered part of the firing pin that the pin runs through to hold it in the bolt

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Uses for Butt Stock Tool Kit

Usually, when you purchase a new in box Romanian AK it comes with a strange cylinder that has several strange tools inside. This cylinder was designed to be a basic tool kit to service an AK type variant in the field with out the support of a complex machine shop. This guide will outline what the tools are some of there uses. (NOTE: there are multiple types of toolkits floating around, yours may look different then the one pictured, but they should all be capable of some of the basic uses)



First you must remove the cylinder from the butt stock if you have not done so already. If you purchased your rifle used and or did not receive a kit, check for it in the butt stock, most people don't realize they even have one until some one tells them. To remove the cylinder stick your finger in the hole until the trapdoor is held back by the toolkit. Remove your finger slowly and the toolkit should follow.

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Next separate the small end cap off of the case of the cylinder and remove the contents inside. Most toolkits designed for the AK will have the same tools or tools that are very similar.

Item List:

A. Cleaning Jag(used to hold cleaning patch)

B. Multi tool

C. Pin Punch

D. Bore Brush

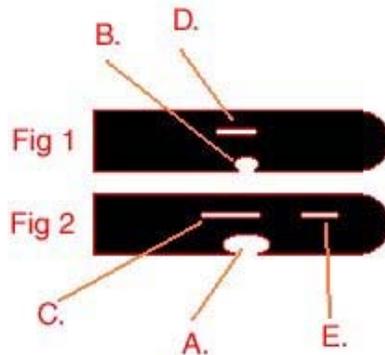
E. Tool Kit Cap

F. Tool Kit Case

G. Cleaning Rod(Not stored in tool kit)



Fig 1 Fig 2



Ok, one of the first pieces you need to become familiar with is the tool kit case, if you noticed it has a series of holes and slots. Each one of these holes and slots serves a purpose. Below is a key to the picture that describes the names we will be assigning to each slot/hole. This is necessary so I can refer back to a specific slot/hole.

Slot/Hole Description:

A. Large Hole

B. Small Hole

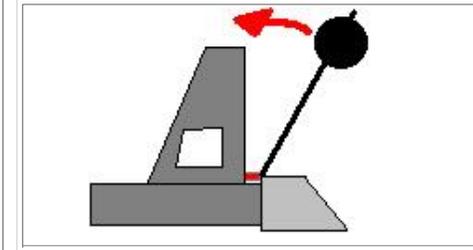
C. Large Slot

D. Small Slot

E. Locking Lever Slot

Now using the above case slot/hole guide, you can assemble multiple basic tools for working on your rifle. The first tool, and one of the most useful, is the blade tool. This tool was primarily used to depress the compensator lock depicted in the drawing to remove a compensator/flash hider. Since most Romanian's do not come equipped with a compensator, the tool serves other uses such as tightening various screws on the rifle, such as a butt stock screw, or to leverage/pry parts off of the rifle that are stuck. Once such use would be removing a stuck Sheppard's hook. To assemble this tool insert the sight notch part down through the large slot and out through the small slot on the other side of the tool kit case.





The next tool that can be assembled is the sight tool. This tool is used to adjust the elevation of the center sight peg in the front sight. Please view the Sighting in Your AK tutorial for instructions on how to use this tool. To assemble this tool stick the blade end of the multi tool through the large slot down through and out the small slot in the tool kit case.

Since every rifle gets dirty in the field it must be maintained, though the AK series will still operate no matter how dirty it gets, it's a good idea to clean it to protect your investment. If you took notice to the description of items included in your tool kit, it is apparent that most of them are used in cleaning the rifle. The cleaning jag, and bore brush are both accessories to the cleaning rod. To build the cleaning remove it from under the barrel of the rifle and then insert the threaded end through the top of the large hole down completely through the small hole. Make sure the cleaning rod is completely pulled down through the tool kit case until it stops. (NOTE: Some tool kit cases have a hole drilled through the center of the cylinder cap. This is supposed to be slid on the cleaning rod to help line it up when inserting). Next take one of the cleaning accessories and screw it on to the end of the cleaning rod. Use the center half circle shape in the center of the multi tool as a wrench to tight the accessory on if necessary. Lastly, insert the multi tool into the cleaning case on top of the cleaning rod to keep it from backing out. If your cylinder end cap has no hole, and or is not being used, put the cap back on the case to prevent the multi tool from falling out, otherwise use your thumb.





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What is bump firing?
 How do I bump fire?
 What about those triggers attachments that promise full auto firing rates?

What is bump firing?

Bump firing is when you shoot the rifle from your hip (can also be done from the shoulder if you are really good) and allow the recoil of the rifle to rapidly pull the trigger, the result is a close to full auto rate of fire that is very inaccurate.

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How do I bump fire?

First you hold the rifle at the right side of your hip. Once in place you put your trigger finger in front of the trigger (finger must be straight). The hand you are shooting with must not hold the pistol grip or any part of the rifle. To fire you pull the rifle forward with the hand holding the front hand guard. If you do it correctly your trigger finger should come in contact with the trigger because the rifle is being pulled forward. Once the rifle starts firing keep pulling the rifle forward with your hand that is holding the front of the rifle. Remember one must keep pulling the rifle into your straight trigger finger, you should not move your trigger finger into the trigger. This might seem a little weird so I included a page with an animated gif of me bump firing and a few videos of some burst firing.

Once you get good enough to do it from the hip you can move on up to the shoulder bump. View the shoulder bump video to get an idea of how it is done. And yes the video is of me with a STOCK SAR-2.

To watch the videos you must right click on the link and select "save target as". Once the video is saved to the hard drive double click on the video file to watch. You will need the latest version of quick time and DIVX to view the clips.

- [• Animated Bumping GIF \(502Kb\)](#)
- [• Bumping Video 1](#)
- [• Bumping Video 2](#)
- [• Bumping from shoulder](#)

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What about those triggers attachments that promise full auto firing rates?

They are all trash, do not waste your money, all you're doing is bump firing any way.

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Chinese Type Drum Loading Tutorial

Developed primarily for the RPK, drums were developed to hold a very large amount of ammunition to reduce the number of magazine changes necessary during long burst. Since the RPK in 7.62*39mm can accept both 7.62*39mm drums and AK magazines, the drum is capable of being used in the AK, though it was not the original intent. Used primarily as a novelty with the AK because tactically they are unsound, due to the fact that they weigh a great deal more than a standard 30 round magazine, and make a rattling sound when walking or moving. Despite these shortfalls, many AK lovers use them at the range to reduce magazine changing times, and or make the bump last longer. Drums come in two capacities, 75 and 100 rounds. This tutorial depicts the loading of a 75 round drum, which can be applied to a 100 round drum easily. The Chinese Type Drums can range in price from \$75 - \$130 a piece. (NOTE: This tutorial is for the Chinese Type Drum, not the Top Fed Russian Type Drum).



First, detach the two clips holding the cover on.



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Pull the cover down until the drum is open.

Push the button in the middle of the drum to release the spring tension.



Locate the follower and hold the button down while rotating the spider clockwise until the follower is in its starting position



Begin placing cartridges in the spider starting with the slots next to the follower and continuing around in a spiraling pattern towards the lips of the drum.



Put the cartridges everywhere where they will fit until the drum is full.
Once you are done shut the cover on the drum and you are done!



Before using the drum in your AK, you will want to wind it. Locate the knob on the back of the drum and turn it clockwise between 3-4 turns until it is tight. If it's not tight enough, the spring will not push the cartridges up fast enough to cycle properly. If it's too tight, it will be too difficult for your bolt to strip the rounds out of the drum. On Shawn's drum it's 3.5 turns. You will want to find the right amount of spring pressure for your combination of rifle and drum.



And that's it! You have successfully loaded a Chinese Type Drum.

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AK Furniture Removal

First remove the magazine and open the action to ensure that the rifle is not loaded. Fieldstrip the rifle and remove the top cover, carrier spring assembly, carrier, and bolt (see [FieldStripping Tutorial](#).)



Using a pair of pliers or the bullet tip of a cartridge, rotate the takedown lever located on the right side of the rear sight base upwards.

Takedown Lever in unlatched position



With the lever not quite vertical, grasp the rear end of the upper handguard/gas tube assembly and lift it up from the rear sight block. It might be necessary to wiggle the takedown lever back and forth to locate the release point for the rear end of the upper handguard/gas tube assembly. Once the rear end of the assembly is clear of the rear sight base, pull the front of the gas tube away from the gas block.



Using an open end or adjustable wrench, fit the wrench to the flats on the rear end of the gas tube, and grasp the upper handguard in the other hand as shown. While holding the wrench and the upper handguard firmly, GENTLY rotate the upper handguard 180 degrees.



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The upper handguard can then be withdrawn from the gas tube. There is a stamped tension spring under the upper handguard and this can be pried from the upper handguard with fingers or a small screwdriver or pliers. The stamped tension spring is installed on the large (or rear) end of the upper handguard, and is installed toward the rear end of the gas tube (the end with the flats.)

Using a screwdriver or pliers, grasp the short lever at the right front side of the lower handguard. Rotate the lever up and to the front, approximately 180 degrees from the latched position.



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AK Furniture Removal Part II



The lower handguard keeper plate (with the front sling loop) can then be slid forward away from the lower handguard.

Pull the front of the lower handguard down and forward to withdraw the lower handguard from the barrel and receiver. The stamped tension plate at the front of the lower handguard can be removed from the lower handguard with a small screwdriver or pliers.



To remove the buttstock from the receiver, first remove the front and rear tang screws.

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Next, insert the tip of a flat screwdriver blade in the hole in the rear trunnion, just forward of the buttstock stub. You may have to hold the screwdriver at an angle with the handle pointing upward to the rear in order to insert the blade between the buttstock stub and the front edge of the hole in the rear trunnion.



Gently pull the handle of the screwdriver forward, which "levers" the buttstock rearward and out of the receiver.

Reassembly is generally in reverse order. The buttstock can be reinstalled by gently tapping the butt against a carpeted floor or other cushioned surface, or a rubber mallet can be used. When reinstalling the upper handguard to the gas tube, make certain that the large end of the upper handguard is toward the rear end of the gas tube (end with the flats). Care must be taken to fully insert the upper handguard straight into the flanges on the gas tube before rotating the upper handguard 180 degrees to fully install it. The upper handguard is thin in section and fragile; if it is squeezed it will crack or snap in two lengthwise. A cracked upper handguard can be repaired with yellow carpenter's glue; follow instructions.

These instructions are provided for general information only based on removal of furniture from the specific weapon pictured. Neither the author nor Linx310 can be held responsible for any consequential damages as a result of an AK owner attempting to disassemble his or her weapon or remove the weapon's furniture while following these instructions.

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AK Furniture Refinishing by Perro Del Diablo

First remove the magazine and open the action to ensure that the rifle is not loaded.

When I first bought my Century Arms Romanian SAR 1, it had this awful burgundy painted on finish. It was uneven, it had runs and sags all over it, and i knew that this would be the very first thing that was going to have to be improved upon. Here is a look at the rifle before hand:



I know its kind of dark, but its the only before hand picture i could find of a sar that was finished with the burgundy paint on finish. Ive had a few experiances with refinishing wood stocks before, and knew that even if it wasn't pretty wood underneath, at least it could be painted black and made into an evil assault rifle.

So I headed down to Home Depot, and picked up a few things -

- #1 #0000 fine steel wool pads (2 was all i needed)
 - #2 course grade steel wool (1 was all i needed)
 - #3 BIX stripper (i bought the quart)
 - #4 some semi gloss minwax polyurethane (1 can)
- The total was around \$20.00

Here are some pictures of the cans of BIX, and Poly so you know what to look for:



The first thing that you will need to do is find a place outside that will work for doing ths modification - the BIX stripper puts off some pretty nasty fumes. I found an old piece of plywood that i used to shield everything from the stripper - the stripper will discolor your concrete, metal surfaces, and even

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glass, so i used a piece of plywood that i didnt care about.

Now get a small bucket of water (a 5 gallon pale works perfect) and fill it with water - set it next to the plywood.

Then get out the course steel wool, and drop it into the bucket of water.

Next you will need to remove the furniture from your rifle and set them aside. For instructions on how to do that, please [click here](#).

Please note that if youre rifle is parkerized like mine was from Century, you do not need to remove the gas tube from your upper receiver - the BIX will not harm the parkerizing. If you have painted the rifle, then you will need to remove the gas tube because the BIX will remove the paint.

Once you have the furniture laid out on the scrap plywood, and you have your bucket of water waiting with the course steel wool pad in it, open up the quart of BIX. You will notice that the BIX is the consistency of thick syrup - this is good because the more you have sitting on the wood, the better it works!! I started with the buttstock - i dont recommend doing all the pieces at once, because if the BIX dries, its a pain.

Pour the BIX onto the buttstock, and take a rubber glove, and spread the bix over the entire buttstock - then take your hand (with the rubber glove on) and wipe up the BIX that spilled onto the plywood, and take this and work it all over the buttstock - the more BIX you have on it, the better it will work. i poured a decent amount onto the buttstock, and it all ran off onto the plywood so i took the buttstock, and rolled it into the BIX that was on the plywood - remember - the more that you have on the wood, the better job it will do.

After about a minute, or two - you will notice the BIX turning dark black or dark burgundy - this means that its ready to scrub the old finish off with the steel wool. take the steel wool from the bucket of water, and shake the excess water off of the steel wool, and then start scrubbing the buttstock with as much pressure as you want - you will begin to see a bright orange piece of wood underneath the old finish - once all of the burgundy crap is scrubbed off - dunk the buttstock into the pale of water, and scrub some more with the steel wool - once you pull the buttstock out of the water, you will see that most of the old finish is gone. There will be spots where the old finish wasnt removed - simply recoat the buttstock with the bix in the spots where the old finish is left, and wait for a minute or two, and then start scrubbing these areas with the steel wool, and then dunk, and scrub in the water until all the old finish is gone - ive noticed that a wire brush in the shape of an old toothbrush will take off the old stain in the hard to get to areas like around the buttstock where the buttpad mounts. dont scrub too hard, or it will take sanding to remove the scratches from the visible areas of the wood. You do not need to let the buttstock dry in between coats of BIX, but i would wipe the excess moisture down with an old rag.

Below is a pic of what the wood might look like with the finish off:





Follow the exact same procedure with the lower handguard, and the upper handguard, and if you have a wood pistol grip, you can do it with that also.

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AK Furniture Refinishing Part II by Perro Del Diablo

TIPS:

Wash your steel wool out in the pail of water everytime you scrub the stock after a coating of bix - the less burgundy crap you have in it, the better results you will get, and the less amount of times you will have to rescrub it.

Change the water out with clean water after 3 or so scrubbing.

Once you get all the old finish off of the furniture, set the wood in a cool place to dry for 2 days. Its important to set it in a cool place, because warm, or hot, can crack the wood.

As soon as the wood is dry, you will notice that it feels all fuzzy, and grainy - this is because the water raised the grain in the wood, and you will have to remove the "whiskers" in the wood. Take a #0000 fine steel wool pad, and scrub the wood with the steel wool. When i say scrub, i mean take the steel wool, and run it up and down the wood with good pressure in the direction of the grain - it doesnt involve getting the wood wet at all - you dont want the wood to be wet during this stage. once the wood is smooth as a babies butt, look at it - if there are imperfections, this is the time to fix them.

Small dents can easily be raised by steaming them out with an iron. To do this, break out the ironing board, and take an old wash cloth that you dont mind messing up, and get it wet - turn the iron on its highest setting, and let it warm up. take an old t shirt, and lay it across the ironing board where you will be setting the wood - some of the old color could bleed onto your ironing board otherwise. once the iron is hot, lay the wood down on the t shirt, and put the wet wash cloth over the dent / dents - carefully press the iron onto the wet wash cloth over the top of the dent / dents that you want to raise - do not move the iron around - it will start hissing, and steaming like crazy - once it quits steaming, remove the iron, and the wash cloth - you can resteam a couple more times if you want - please note - steaming will only raise dents, it will not replace missing wood.

After all of the dents are raised, let the stock sit for a hour or so, and hit it with the #0000 fine steel wool again until the stock is smooth as a babies butt again.

Now its time to color the furniture. If youre wood is like mine, it will be a really bright weird orange - this can be removed by sanding down to below where the prior finish has penetrated, however, i do not suggest doing this, because it will make your buttstock a WHOLE LOT SMALLER than it was before, and you will not be happy with the results. instead, pick a stain that will be compatible with the orange. I personally prefer Chestnut Ridge military rifle stain. It is made for walnut stocks, but works great on everything that i have ever done (dark, or light woods) it has a deep red tint in multiple coats. It can be found by clicking [here](#).

The small 4 oz bottle is enough to do about 10 rifles



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Take the bottle of stain, and shake it up well, then take an old t shirt and put your finger into the shirt - dab a little of the stain onto the shirt, and then start rubbing it into the wood - redip with the stain often as the wood soaks it up quick, and you will notice the color changing - try to keep it uniformed in color. Once all the wood is coated evenly, let it sit 24 hours, and then repeat the above process with the stain - keep adding stain until it turns the desired shade. once the desired shade is reached, let it dry for 24 hours, and then coat it with the semi gloss polyurethane - spray light coats on to avoid runs, and sags. I let it dry for 4 hours between coats, and once its dry, hit it with #0000 steel wool to smooth out the poly - i usually coat it 3 times with the poly - once your 3rd coat is on, you can either leave it glossy, or knock the shine off of it by using the #0000 steel wool.

Below are pictures of the rifle after finished with 3 coats of chestnut ridge stain, and 3 coats of poly - much nicer than the factory finish:



A lot of people prefer hand rubbed oil finishes - I have a few rifles with hand rubbed oil finishes, and truthfully, they are reserved for investment grade firearms. Not to knock the Century SAR 1, but if I were going to spend the trouble of hand rubbing a finish, I would put it on a m1 Garand, or something where its important for the finish to be original. The SAR 1 works well with the Poly finish because its easy, its cheap, it lasts forever, and its a whole lot easier to maintain than an oil finish - plus, the finish that came on the rifle is not original to my knowledge.

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Polishing a AK Fire Control Group

First remove the magazine and open the action to ensure that the rifle is not loaded. Fieldstrip the rifle and remove the top cover, carrier spring assembly, carrier, and bolt (see [FieldStripping Tutorial](#).) Once you have field striped the rifle remove the FCG, [go here](#) for a tutoral written by AK Dude if you need help.

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- Straightening a Canted Gas Block

- Fire Control Removal

- Trigger Slap Fix

- WASR-10 Magazine and Drum Well Fix

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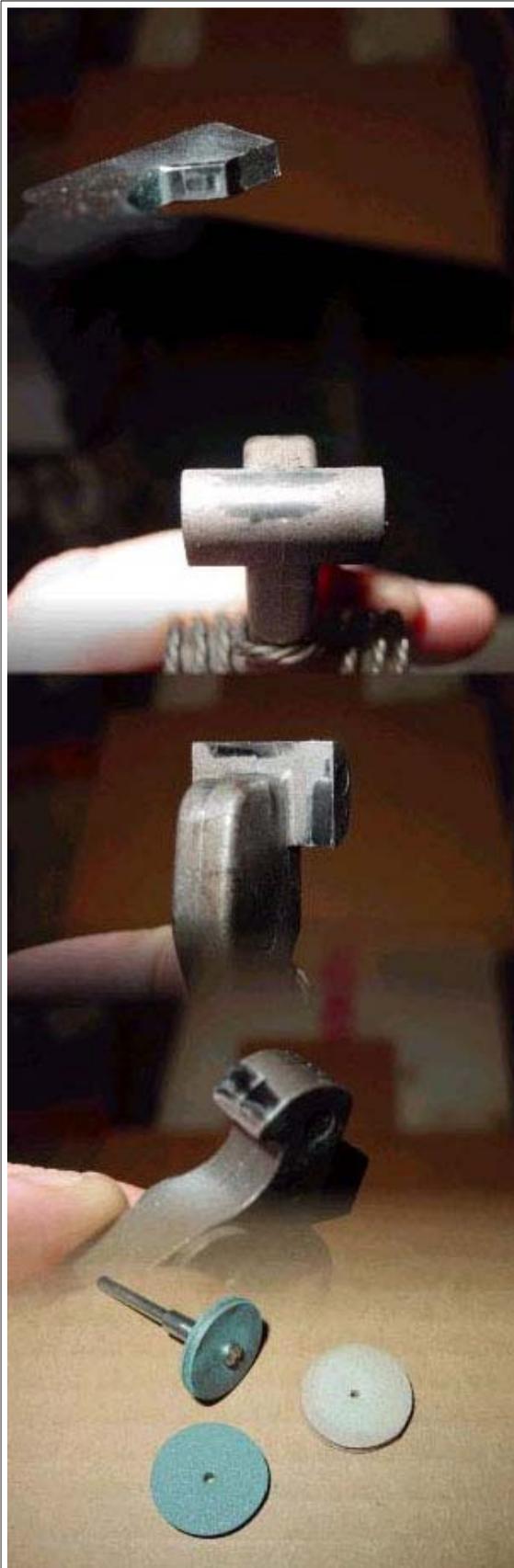
- BlackJack Swift AK Lever

- BlackJack Buffers

- HiCap's Large Capacity Magazine

- Red Star Arms Shepard Hook Replacement

- Red Star Arms Adjustable Trigger



The above composite pic shows the FCG surfaces polished on a Romanian Century US FCG. Polishing the FCG contact surfaces smooths them up, removes the "grittiness" feeling and reduces friction.

The surfaces to be polished are in the top four views of the composite:

1) The underside of the trigger hook(s) and the rearward face(s) of the trigger hook(s). These surfaces

engage the side wing(s) of the hammer.

2) The side and rear wing(s) of the hammer. These wings engage the trigger hook(s) and the disconnecter hook.

3) The curved underside of the top hammer wing. This surface "pushes" the disconnecter back as the hammer is cocked by the rearward travel of the carrier.

4) The nose of the disconnecter hook. This surface is in contact with the curved underside of the top wing of the hammer as the hammer is cocked.

The bottom pics show two Dremel abrasive-impregnated rubber sheels wheels that I use. The white is less abrasive, the blue-green is more abrasive. DO NOT use Dremel STONES! Only use the abrasive-impregnated rubber wheels. If you don't have access to the rubber wheels at you Dremel dealer, use the felt wheels with the finest grit Clover valve grinding compound that your auto parts store has. You can also use jeweler's rouge. Go slow, and DO NOT alter the angles of the surfaces or remove any metal. I use the Dremel on slow to med speed; the wheel takes off the heat treat scale and puts on a bright not quite mirror look. That's what you are after, stop there.

Also, on the underside of the trigger hook(s) I run the abrasive wheel on the sharp edges where the underside of the hook meets the sides of the hook. Microscopic burrs on this edge are where the grittiness comes from. If you use the compounds, dress the side edges of the underside of the trigger hook(s) with a fine jeweler's file at a 45 degree angle to knock off the burrs. Only a couple-three passes will be necessary, then polish.

The overall end result is a perfect two-stage military trigger effect, the first stage being smooth and grittiness free until the nose of the disconnecter hits the top wing of the hammer as the trigger is pulled. The second pull is short and crisp as the trigger hook(s) slide forward off the hammer side wing(s)."

These instructions are provided for general information only based on polishing a AK FCG. Neither the author nor Linx310 can be held responsible for any consequential damages as a result of an AK owner attempting to disassemble his or her weapon or while polishing the weapon's FCG following these instructions.

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Home Made Romanian Threaded Sight Block

Finding a Romanian Threaded Front Sight Block can be both expensive and very time consuming. Luckily, Nosegunner recently figured out an alternative that is still legal and much cheaper. Since the threads are 22mm, the same as the Romanian threaded front site block, they do not accept a flash hider and are thus perfectly legal to have on your rifle. Check out the "Installing a Romanian Threaded Front Sight Block" tutorial to view the BATF ruling that states it is legal.



Pictured above is what the homemade version looks like. Not bad for being much cheaper then the actual thing. You will need to have some basic shop skills to complete this build along with tools listed below:

- A Drill Press
- A Set of Common Drill Bits
- A Pipe Wrench (or a die tool)
- A Basic Lathe or Grinder(either will work)
- A Set of Allen Wrenches
- A Emory Cloth
- Masking Tape
- Teflon Tape



Before we begin you will need to order the parts pictured to the left from [KVAR](#)

- AK205 - Retainer pin, w/spring for muzzle nut
- AK256 - Retainer pin, for AK74 plunger pin
- AK141 - AK74 Romanian Compensator (if K-VAR is out of these I think [Global Trades](#) sells a US version in 22mm)

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You will also need to purchase a 22mm X 1.5 die from [MSC Direct](#). Since this thread size is rare, they are expensive. This part will set you back about \$20 which is still cheaper than purchasing the front sight base.

PART # 03867017



7/8" Hex Bolt



**10-32
Allen
Set Screw**

And finally, as pictured above, you will need to purchase a 7/8" grade 8 hex bolt and a 10-32 Allen Set Screw (preferably at least 2" in length) from your local hardware store.

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How to make a polished charging handle

One of the most distinctive features of AK is the chrome (bare steel) charging handle. After receiving a bunch of emails on how to do this I have decided to create a quick tutorial. Luckily this is a very easy and cheap upgrade if you are trying to obtain an original look. The picture below is a great example of how well this method works.



First you will need to purchase a can of "Birchwood Casey Rust and Blue remover" and a can of "NEVR-DULL". Both of these products can be found at Wal-Mart.



You will need the following tools:

Steel Wool
Dremel (optional) with Wire Wheel brush (optional) or Emory brush (optional)

- [Straightening a Canted FSB](#)
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To begin, remove your charging handle from your rifle and coat it with the rust and blue remover. Within 1-2 minutes you should be able to wipe the bluing off the charging handle with an old rag. You may have to do this several times to remove all of the original finish off the charging handle.

Next exam the viewable side of the charging handle (the side with the handle you pull back on) for any rough machining marks. Take your steel wool or dremel with a wire wheel brush or Emory brush and slowly smooth out the machine marks until you get a nice smooth surface.

Now take the NEVR-DULL and apply it following the directions on the container.

And that's it, you should have a very cool looking charging handle.

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Romanian Threaded Gas Block Installation

Welcome to the tutorial on installing a Romanian Threaded Front Sight Block. Ok before we begin, I have to give a disclaimer; this tutorial is based on a "theory" on how to do it. Other people have followed this method and it works, but I personally have never done this before. So if some thing goes wrong don't blame me.

UPDATE: K-VAR is out of Romanian Threaded Front Sight Blocks. The only other place you might find them is on one of the auction sites. Please do not email me asking, I get this question all the time. And NO the Bulgarian threaded blocks will not work because the thread size can accept flash hidiers unlike the Romanian one which can not.

The first thing you want to do is completely unload and field strip your rifle. If you don't know how to do this view the "Field Stripping" tutorial on the menu to the right. You will also need the following tools:

Bare minimum:

- A Pin Punch of some kind (an old drill bit that is slightly smaller then the pins we are going to tape out will work fine)
- A Hammer
- Some one or some thing to hold the rifle
- A lubricant of some kind, CLP works well
- A can of "Break Free" is optional, but if a part is really hard to move this will help
- A Drill with a 1/8th inch drill bit

Recommended Extras:

- A Vise
- A Drill Press with a number of drill bits
- A Dremel

Before we replace the Front Sight Block I must mention a few things. Because of a cool technicality in the law you can put a Romanian Threaded Sight Block on a SAR-2 rifle because of its odd thread size. This is legal because the threads are on the sight block, not the barrel, and the fact that it is threaded with 22mm threads, which currently there are no sound suppressors, or flash suppressors designed with that thread size. Here is a link to the BATF ruling that this is legal.

[Click here to view BATF Ruling](#)

Now with a threaded Sight Block on a SAR-2 (sorry but they only fit 5.45*39mm AKs with out modifications, (.223 AKs might work but I am not sure), though I have heard that 7.62 versions exist) you can use a Romanian Muzzle Brake that is threaded in 22mm. With a threaded muzzle brake you can take it of and put it on whenever you want to, now welding in place! The only thing you have to watch out for is your US parts count. With a foreign muzzle brake attached you have to replace at least one more foreign part on your rifle with one made in the US.

Ok now that that's out of the way we can begin. First below is a list of parts you must have to install a Romanian Threaded Front Sight Base.

Parts Needed:

- 1/8th diameter wooden dowel rod (any length over a foot will do fine)

The following parts can be purchase from [K-VAR](#)

- [Straightening a Canted FSB](#)
- [Straightening a Canted Gas Block](#)
- [Fire Control Removal](#)
- [Trigger Slap Fix](#)
- [WASR-10 Magazine and Drum Well Fix](#)

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AK167 - Front sight block
 AK205 - Retainer pin, w/spring for muzzle nut
 AK256 - Retainer pin, for AK74 plunger pin
 AK141 - AK74 Romanian Compensator (if K-VAR is out of these I think [Global Trades](#) sells a US version in 22mm)

Ok first you must remove your old Front Sight Block. To do this you must remove the two bottom pins that hold the Front Sight Block on. To learn how to do this visit the [Fixing a Canted Front Sight Block](#) tutorial which can be found on the menu to the left. Once the pins have been removed return back to this tutorial. Also another option to removing the pins is to just cut the old front sight block off with a dremel. I don't recommend you do this but it will work, just be sure not to cut your barrel in the process.

With the pins now removed make sure you scribe on the barrel the locations it is at. Take your hammer and tap the front sight block off, that is if you didn't cut it off already. With the old front sight block removed, take a little bit of your lubricant and lightly coat the front of the barrel up to the part where your new front sight block will go.

Now your ready to install the Threaded Front Sight Block onto the rifle, first slide it onto the barrel and lightly tap it into place with a hammer until its in the same position that you scribed on the barrel where your original front sight block was. Be very careful not to mess up the threads with the hammer.

When you have it where you want it, lay the rifle on either side and get some one or some thing to hold the front sight block exactly where you want it.

Take your drill and install the 1/8th drill bit. Drill out the two original holes to 1/8th.

Now take your 1/8th diameter steel pin and cut off two pieces .50 inches in length. Put a tiny bit lubricant down the re-drilled holes. Grab your hammer and lightly tap the piece into the drilled holes. Once they get close enough to the bottom of the rifle base use your pin punch to finish the job.



Rear View

Next take a look at the threaded front sight block and look at it from the rear; you will notice that there is a hole above where the barrel fits. This hole is for the Retainer pin that locks the compensator in place, but it's missing so we must put it together. The rear hole is where you insert all the parts from, the front hole is where the plunger comes out.

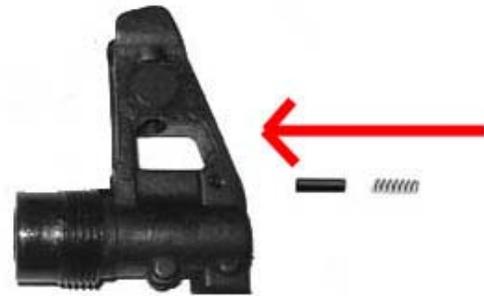


Front View (picture is not of thread base)



Side View after Plunger installation

Take the spring and retainer pin that came with package AK205 that you ordered from K-VAR and drop the retainer pin, with the open end facing to towards the rear of the front sight block down into the hole, now drop the spring down inside the hole also. View the picture if you need help.



Next we need to lock the piece in place, take part number AK256 that you ordered from K-VAR and put it in the small hole circled, use a small punch to put it in place, you may have to use another punch to push the spring out of the way, make sure that the compensator retaining pin and spring are still inside the front sight block. When the pin is in place push on the compensator retaining pin, if you did this correctly it should have some spring tension behind it. The ends of part number AK256 should be cupped out to hold itself in place, to secure it we must flatten both ends on each side. Look at the picture below.





To flatten the ends of the pin out you must place one side of the pin against a flat hard metal object and tap of the opposite side with a pin punch to get it to flatten out, when you are finished on one side switch sides and do the other. View the picture to get an idea of what it should look like.

And lastly, take a dremel, or file and grind off the Bayonet lugs if your threaded front sight base has them. You must do this to be legal.

And that's it, Reassemble your rifle, put the compensator on, and your ready to go.

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Sighting In Your AK

One of the least documented but most request pieces of information is how to sight a AK in. This tutorial will cover the basics on how to alter the sights to get the rifle to a combat zero used for a military rifle, however, this guide will not go into detail on how to get your rifle sighted perfectly in for a competition match because of the number of factors involved and the fact that every shooter shoots slightly different.



Your AK should have a Rear Leaf sight that had a series of numbers on it. The Rear Leaf sight is used to set the distance (elevation) to the target in meters, which each number represented in hundreds, for example, a setting of 1 would be 100 meters, and a setting of 10 would 1000 meters. At the bottom of the leaf sight is a letter "P", your letter may be different, but this is the battle setting. The battle setting would be used during combat if you did not have time to figure out the range to the target, basically on this setting, with a correctly zeroed rifle you would be able to hit any target up to 1000 meters with a 16 inch circle or less. Also most AK rifles DO NOT HAVE a actual adjustment for windage, if your does it will be located on the rear leaf sight. Instead, with rifles that do not have a leaf sight with a windage adjustment (Romanian AKs do not come with one of these), use a sight tool or a rubber mallet to move a cylinder on the front sight, adjusting this while in a combat situation is tactical unsound.

At the front of you AK is the front sight, you should see a peg sticking up through the center of the front sight. This is the front sight peg, which is used to adjust the point of impact elevation up or down. On the left and right side of the front sight housing you should see a cylinder protruding on both sides. This is used to adjust the point of impact left or right and is used in controlled conditions (such as the range) to adjust the windage of the rifle if your rear leaf sight has no such adjustment.



Before we start adjusting the sights, we must discuss how each adjustment will affect the point of impact. First the leaf sight, as discussed previously, the numbers represent the distance (elevation) to the target. Adjusting this will compensate the sights for the necessary angle required by the bullet to travel to the target. If your leaf sight has a windage adjustment then you would adjust it the opposite direction you want the point of impact to land. For example if you want to move your point of impact left you would rotate the windage knob counter-clockwise, or if you wanted to move your point of impact right you would rotate the windage knob clockwise.

On the front sight, if you rotate the peg clockwise would raise the point of impact, while rotating the peg counter-clockwise would lower the point of impact. On the left and right side of the front sight is a cylinder that can be adjusted to move the point of impact left or right or to compensate for windage in controlled conditions (such as the range). To move the point of impact left you would drift the cylinder to the right, or if you wanted to move the point of impact right you would drift the cylinder to the left. Refer to the below pictures for more

- Straightening a Canted FSB

- Straightening a Canted Gas Block

- Fire Control Removal

- Trigger Slap Fix

- WASR-10 Magazine and Drum Well Fix

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- BlackJack Swift AK Lever

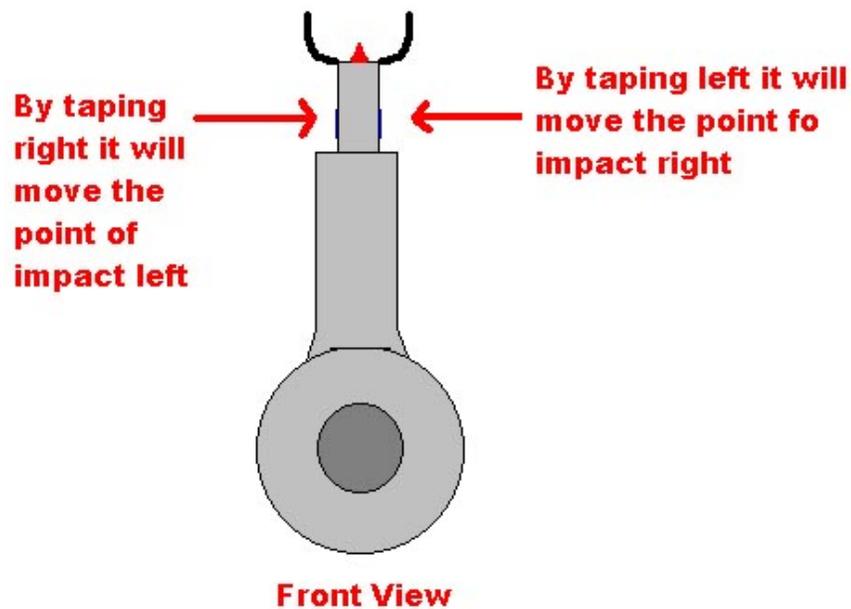
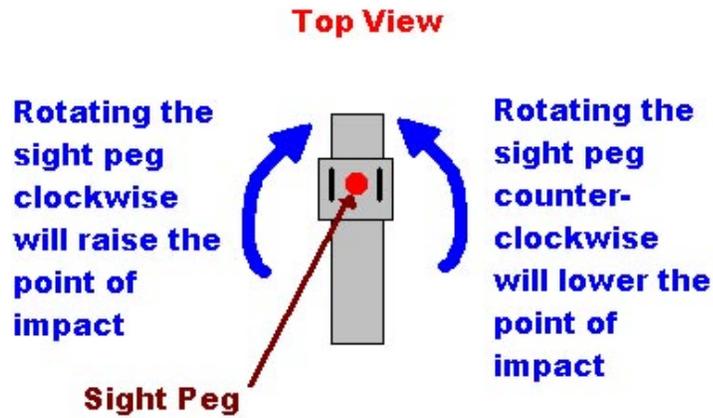
- BlackJack Buffers

- HiCap's Large Capacity Magazine

- Red Star Arms Shepard Hook Replacement

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information.



Now that we have adjustment procedure down we must discuss the tools used to do the adjusting. The first is the front sight peg tool. This tool is located in the tool kit included with you AK (refer to the Butt Stock Tool Kit in the tutorial section). If you do not have one I suggest purchasing one or using a pair of pliers. This tool fits over the front sight peg and by turning clockwise or counter clockwise will raise or lower the point of impact.



The next tool required is a rubber mallet and a wooden dowel roughly about the same size as the cylinder located in the front site housing. As an alternative I highly recommend you order one of the "SKS/AK WINDAGE & ELEVATION SIGHT TOOL" from Tapco as pictured to the left. With either the rubber mallet wooden dowel combo, or the tool from Tapco you can adjust the drift cylinder. To use the rubber mallet and dowel, place the towel on the side of the cylinder and lightly tape with the rubber mallet until it moves in the desired direction.

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AK Sling Installation Tutorial

First remove the magazine and open the action to ensure that the rifle is not loaded.

Standard Snap Hook Sling:

Place the weapon on its right side, buttstock to the right.



Place the sling below the weapon with the hook end to the right, and hollow rivet heads in D-ring attachment up. The end of the webbing at the buckle end will also be facing up.



Insert hook into butt swivel from left to right as shown, pull hook end of sling around and toward the left.



Insert hook under sliding keeper and into first slot of the buckle. It helps to turn the hook sideways to get it through the buckle slot.



Insert the hook through the second buckle slot.



Snap the hook on the front sling attachment on the gas block. When installed in this manner, the solid rivet heads on the D-ring attachment will be facing out.

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Adjust the buckle for proper length and the sliding keeper to suit.

[Click here if you want to install the optional leather attachment](#)

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Straighten a Canted Front Sight Block

Welcome to the first ever tutorial to fixing Cant. Ok before we begin, I have to give a disclaimer; this tutorial is based on a "theory" on how to do it. Other people have followed this method and it works, but I personally have never done this before. So if some thing goes wrong don't blame me.

The first thing you want to do is completely unload and field strip your rifle and remove the cleaning rod. If you don't know how to do this view the "Field Stripping" tutorial on the menu to the right. You will also need the following tools and parts:

Bare minimum:

A Pin Punch of some kind (an old drill bit that is slightly smaller then the pins we are going to tap out will work fine)

A Hammer

Some one or some thing to hold the rifle

A lubricant of some kind, CLP works well

A can of "Break Free" is optional, but if a part is really hard to move this will help

A Drill

Recommended Extras:

A Vise

A Drill Press with a number of drill bits

A Dremel

Parts Needed:

1/8th diameter wooden/steel dowel rod (any length over a foot will do fine, I recomend using steel rods for the FSB) (Note: If you are installing a threaded FSB you must use steel)

1/8th drill bit

Now we are ready to begin. First view the bottom portion of the front sight block; you should see two pins as circled in the picture. If your pins cannot be seen because they have been welded over you must file or dremel the weld away. We need to knock these out before we readjust the front sight block



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Most of the time these pins need to be knocked out left to right as shown by the arrow in the picture. With the right side being the ejection port side. Take your pin punch and hammer and lay the rifle down on its right side with left side facing up, it's a good idea to get some one to hold the rifle, or if you have a vise, rap a towel around the rifle a secure it. Start tapping on the pins with a little force, not to much at first. Slowly increase how hard you hit it until they start to come out.

If it doesn't budge at all I recommend covering both pins and the front sight block in break free and let it sit for a few hours. Knocking out the pins is the hardest part, so it might take a little while. If after both hammering away and soaking in break free you still cannot get them to budge try the follow.

1. Insert a steel rod into a drill press that is the same diameter as the punch and press them out.
2. Use a plumber's torch or a cigarette lighter to heat the area and then knock them out.
3. As a last resort use a drill bit of the same diameter and drill them out.

With the pins out wrap a towel around the front sight block and lightly tap the front sight block left and right with a hammer until it breaks free and moves, be careful, you don't want to bend it. If it doesn't loosen up and break free do the following:

1. Soak the front sight Block in Break Free for a few hours
2. Use a plumber's torch or a cigarette lighter to heat the area then knock them out.

When the Front Sight Block is loose enough to be moved left or right set it to the position you want, obviously if it is canted you want to set it straight. When you have it where you want it, lay the rifle on either side and get some one or some thing to hold the front sight block exactly where you wanted it.

Take your drill and install the 1/8th drill bit. Drill out the two original holes to 1/8th.

Now take your 1/8th diameter rod and cut off two pieces .50 inches in length. Put a tiny bit lubricant down the re-drilled holes. Grab your hammer and lightly tap the piece into the drilled holes. Once they get close enough to the bottom of the rifle base use your pin punch to finish the job.

And that's it, Reassemble your rifle and your ready to go.

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Straighten a Canted Gas Block

Welcome to the first ever tutorial to fixing Cant. Ok before we begin, I have to give a disclaimer; this tutorial is based on a "theory" on how to do it. Other people have followed this method and it works, but I personally have never done this before. So if some thing goes wrong don't blame me.

The first thing you want to do is completely unload and field strip your rifle and remove the cleaning rod. If you don't know how to do this view the "Field Stripping" tutorial on the menu to the right.

Now you must also remove the upper hand guard from the rifle. If you don't know how to do this view the first 3 steps of the Furniture Removal Tutorial found on the menu to the right.

You will also need the following tools and parts:

Bare minimum:

A Pin Punch of some kind (an old drill bit that is slightly smaller then the pins we are going to tap out will work fine)

A Hammer

Some one or some thing to hold the rifle

A lubricant of some kind, CLP works well

A can of "Break Free" is optional, but if a part is really hard to move this will help

A Drill

Recommended Extras:

A Vise

A Drill Press with a number of drill bits

A Dremel

Parts Needed:

1/8th diameter wooden/steel dowel rod (any length over a foot will do fine, yes wood works fine for the gas block, its ok to use steel also)

1/8th drill bit

Now we are ready to begin. First view the bottom portion of the Gas block; you should see two pins as circled in the picture. If your pins cannot be seen because they have been welded over you must file or dremel the weld away. We need to knock these out before we readjust the Gas block



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Most of the time these pins need to be knocked out left to right as shown by the arrow in the picture. With the right side being the ejection port side.

Take your pin punch and hammer and lay the rifle down on its right side with left side facing up, it's a good idea to get some one to hold the rifle, or if you have a vise, rap a towel around the rifle a secure it. Start tapping on the pins with a little force, not to much at first. Slowly increase how hard you hit it until they start to come out.

If it doesn't budge at all I recommend covering both pins and the Gas block in break free and let it sit for a few hours. Knocking out the pins is the hardest part, so it might take a little while. If after both hammering away and soaking in break free you still cannot get them to budge try the follow.

1. Insert a steel rod into a drill press that is the same diameter as the punch and press them out.
2. Use a plumber's torch or a cigarette lighter to heat the area and then knock them out.
3. As a last resort use a drill bit of the same diameter and drill them out.

With the pins out, wrap a towel around the Gas block and lightly tap the Gas block left and right with a hammer until it breaks free and moves, be careful, you don't want to bend it. If it doesn't loosen up and break free do the following:

1. Soak the front sight Block in Break Free for a few hours
2. Use a plumber's torch or a cigarette lighter to heat the area then knock them out.

When the Gas Block is loose enough to be moved left or right set it to the position you want, obviously if it is canted you want to set it straight. When you have it where you want it, lay the rifle on either side and get some one or some thing to hold the Gas block exactly where you wanted it.

Take your drill and install the 1/8th drill bit. Drill out the two original holes to 1/8th.

Now take your 1/8th diameter rod and cut off two pieces .50 inches in length. Put a tiny bit lubricant down the re-drilled holes. Grab your hammer and lightly tap the piece into the drilled holes. Once they get close enough to the bottom of the rifle base use your pin punch to finish the job.

And that's it, Reassemble your rifle and your ready to go.

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Fire Control Group Removal

The Fire Control Group or FCG in a semi-auto AK consist of 3 main parts, 5 minor parts and 1 supporting part that is not really at all considered part of the FCG.



Part List (For use with the above picture)

- A: Disconnector
- B: Disconnector Spring
- C: Trigger
- D: Trigger Axis Pin
- E: Hammer Axis Pin
- F: Hammer Spring
- H: Selector Lever (supporting part, not pictured)
- I: Shepard's Hook (Crook)

The three major parts are the hammer, disconnector, and trigger. These parts on most post-ban AKs are US made, if some one hasn't changed out the ones in your rifle there is a good chance that they where manufactured here in the USA so your rifle would be compliant with the part count laws.

Unfortunately some of these parts are made as quickly and as cheaply as possible, thus most Romanian AKs ship with these cheap FCG parts in them from Century. The little "C" stamped on them can identify these parts. Because most of these parts are of a poor quality they have a condition called trigger slap. If you don't know what trigger slap is visit the "Trigger Slap Fix" section on the menu to the left. Since so many of these cheaply made US FCG parts are placed in factory rifles it is a good idea to know how to remove them from your rifle to fix problems, or even better, replace them with a high quality US manufactured aftermarket set.

The five minor parts include the Shepard's hook(crook), trigger axis pin, hammer axis pin, hammer spring, and disconnector spring. These minor parts are manufactured in various locations, probably a mixture of both US and Foreign makes, but since they don't count towards the parts count in your rifle I don't think it matters. I highly recommend you purchase a Shepard's hook(crook) replacement plate from Red Star Arms, it makes the installation and removal of a FCG a breeze.

The one supporting part is the safety (selector) lever, since it interacts directly with the FCG group I thought it would be a good idea to mention it here in this tutorial. The Selector basically is a safety in semi-auto rifles, on full auto models though it selects between Safety, Semi, or Continuous (full-auto) fire.

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Before removing/installing your FCG you will need several common tools. It is a good idea to have a pair of needle nose pliers, a small pin punch(I just use a small metal cylinder of some type), a hammer(or some thing to bang on the pin punch with, I used an old drill bit), and a long flat head screw driver.

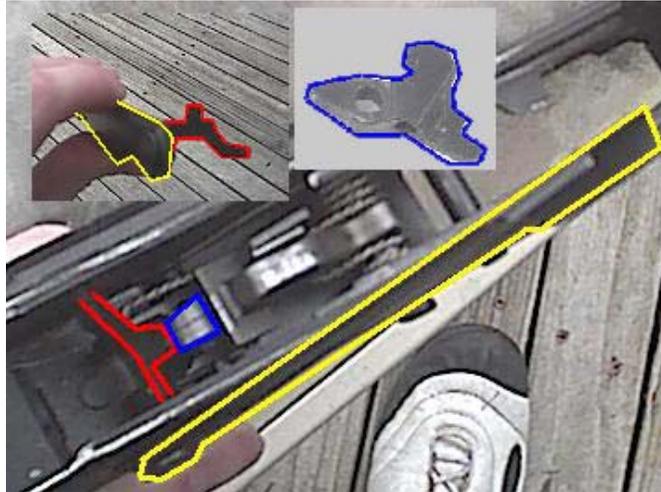
Make sure you unload your rifle and completely field strip it. If you don't know how to field strip your rifle please visit the "Field Striping" tutorial, which can be found on the menu to the left.



After field stripping your rifle you must then remove the rifle selector (safety) lever. Do this by first discharging the rifle's hammer by pulling the trigger (make sure the rifle is field stripped and unloaded!) and releasing it.

Then Rotate the lever all the way up until the tab on the end of the lever hits the back of the disconnector, at this time pull the trigger back to give the tab on the lever some clearance for removal. View the below photo for more info.

(Note: When the Blue and Red areas contact pull and hold the trigger back, also ignore the fact that the hammer is engaged in the photo)



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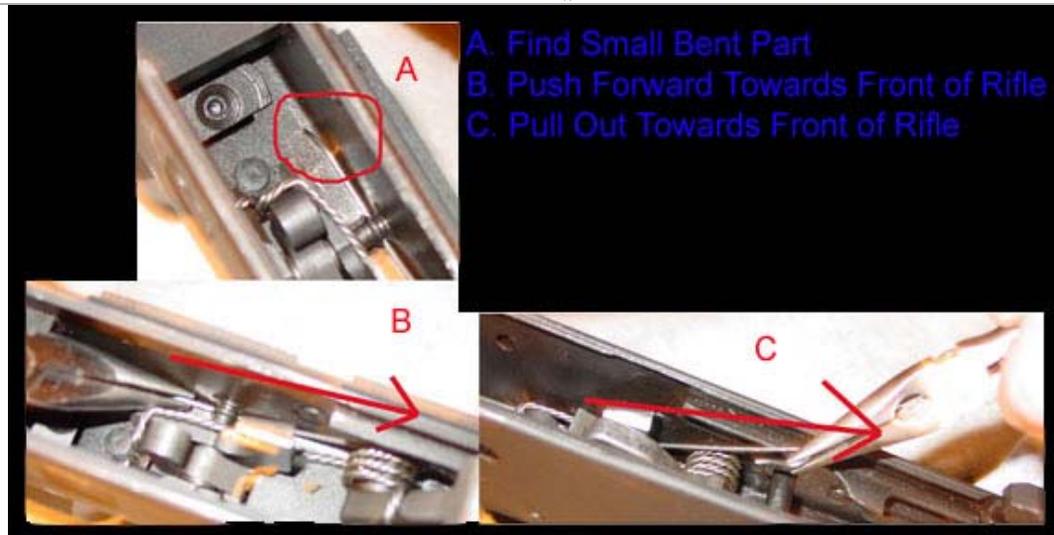
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Fire Control Group Removal

This is page 2 of the Fire Control Removal Tutorial. [Click here to go back to Page 1 of the Tutorial](#)



Finish rotating the lever in the same direction until the tab is above the FCG, by now the lever should be able to be removed by guiding the "U" shaped tabbed area out of the receiver through the special designed hole on the right side (ejection port side) of the receiver.



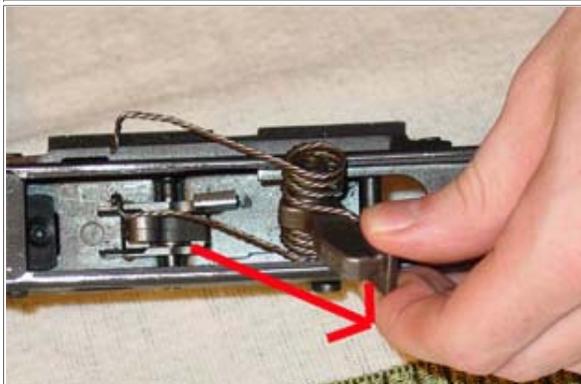
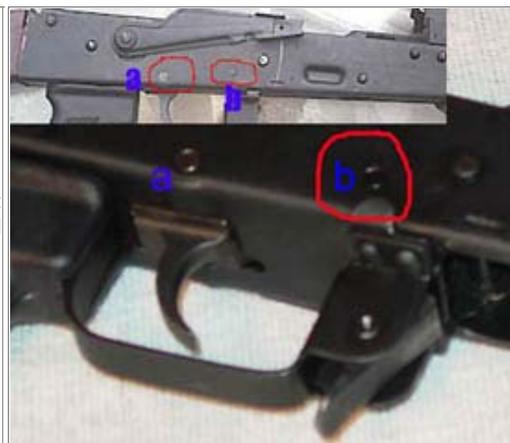
With the safety lever removed take the needle nose pliers and grab the small bent part of the Shepard's hook (crook) and push it forward until it is removed. The hooked part of the Shepard's hook should pop out by the hammer axis pin against the left side of the receiver, grab it and pull it out in the direction shown. The Shepard's hook is used to keep the axis pins from backing out of the rifle while it is being shot, thus we must remove it to remove the FCG.

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Now that the Shepard's hook (crook) has been removed the rest of the disassembly should be easy. Now take your punch (or what ever your using) and place the rifle on a flat surface with the right side facing up (ejection port side) and tap out the hammer axis pin (b), leave the trigger axis pin (a) alone for now.



With the hammer pin removed you should be able to reach in and grab the hammer and pull it out. Make sure to un-attach the pieces of the hammer spring from the trigger. This can be done by just pushing down on them and moving them to the side.

With the hammer removed place the rifle back on its side with the right side (ejection port side) facing up. Tap out the trigger axis pin, make sure to watch the disconnecter and trigger carefully, because once you remove them, the little disconnecter spring might fly off and you could lose it. If you haven't done so already, once the trigger pin is removed, remove the trigger and disconnecter.



And that's it, you have just removed your AKs FCG. Now installation is a different story. Click the link to Page 3 below for instructions on installation.

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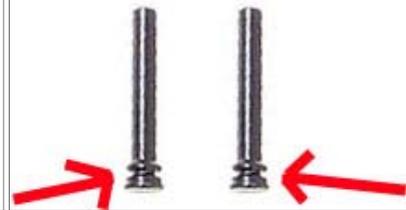
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Fire Control Group Removal

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Before installing take note of the two axis pins. Near the head of the pin you will see a groove, this groove is where the Shepard hook (crook) will fit into to prevent them from walking out of the rifle.



To reinstall, first wrap the hammer spring around the hammer as shown in the above picture.

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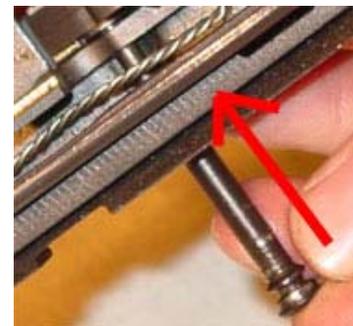


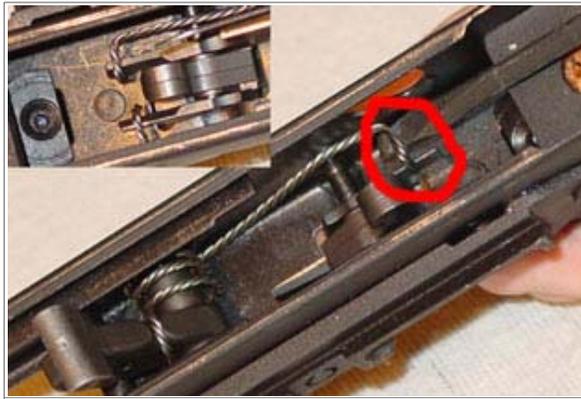
Place the hammer back in the rifle as shown with the hole lined up with the hammer axis pinhole on the receiver. Hold the hammer in place and reinsert the hammer axis pin, do this with the left side of the rifle facing up. The fat head part of the axis pin should keep the pin from falling all the way through the rifle; make sure the head of the axis pin is on the left side of the receiver. I recommend you take a piece of scotch tape and tape the pin in place until you finish installation.



Next take the hammer and disconnecter and reassemble them as shown, make sure the disconnecter spring is in the hole inside the disconnecter and the small notch inside the trigger. Reinsert the trigger and disconnecter into the receiver as a single unit, make sure they do not separate because the spring inside the disconnecter will come out, and the two holes on the bottom of the trigger and disconnecter will not line up for the trigger axis pin.

While holding the trigger and disconnecter unit together with the holes on the bottom of the unit lined up with the trigger axis pin hole, reinsert the trigger axis pin left to right with the head of the pin against the left side of the receiver. Note: (You may have to move the two ends of the hammer spring out of the way to clear room for the trigger and disconnecter unit, make sure the two pieces of the spring are above the axis pin) The pin should pass through both the trigger and disconnecter. With the pin in place I recommend you take a piece of scotch tape and tape the pin in place until you finish installation.





Now take the two ends of the hammer spring and hook them around the two rear protruding pieces of the trigger as shown.

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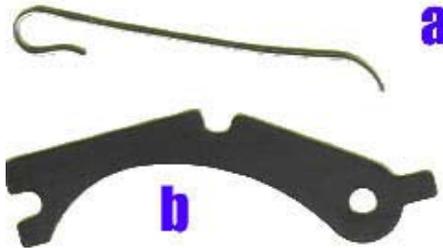
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Fire Control Group Removal

The is page 4 of the Fire Control Removal Tutorial. [Click here to go back to Page 3 of the Tutorial](#)

Now prepare your self for the longest curse fest known to man...the dreaded Shepard Hook (crook) installation...well have no fear, there are three methods to installing the Shepard Hook. The first is the easiest of them all, go purchase a Shepard Hook Replacement plate from Red Star Arms, see my review of the replacement plate on the menu to the left. The second method is also easy, and it uses the Shepard Hook that came with your rifle, unfortunately there are a number of different Shepard Hooks out there, so this easy method only works if you have a Shepard Hook that looks like the one pictured. The third method however is really hard, and for some reason Century decided to use this method from the factory, only use this method if you have a Shepard's hook that does not look like the one pictured.

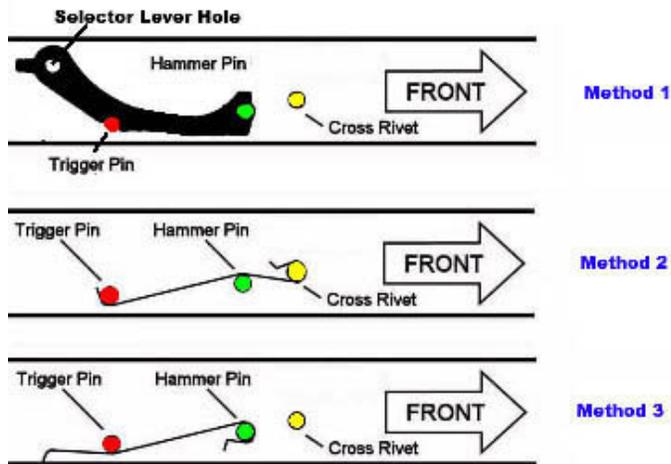


A: Shepard Hook Type Required for Method 2 Installation

B: Shepard Hook Replacement Plate Required for Method 1 Installation

All Other Types Should Work with Method 3 (NOTE: You may be able to modify other Shepard Hooks to work with Method 2 by bending them into a shape similar to the Shepard Hook pictured)

Side View



Top View



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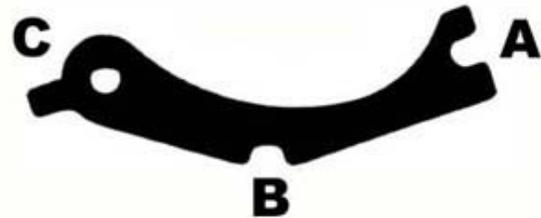
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Fire Control Group Removal

This is Method 1 of the Fire Control Removal Tutorial. [Click here to go back to Page 4 of the Tutorial](#)

Ok you are one of the very lucky who made the smart choice to purchase a Shepard Hook Replacement. First check the two axis pins in the rifle to make sure they are perfectly flush and inserted all the way.

Now notice the diagram, each notch and hole is labeled with a letter. Keep this in mind because I will refer to the notches and holes by their corresponding designation.



Take the retaining plate with Notch A facing towards the front of the rifle. Insert Notch A into the rifle flush against the left side (opposite side of where the selector lever is located) and insert Notch A into the groove of the Hammer Axis pin.

Rotate the plate down until Notch B is inside the Trigger Axis pin's groove and Hole C is lined up with the Selector Lever Hole. Make sure Both Notch A and Notch B are inside their respective axis pin grooves. If you installed it correctly it should look similar to the picture below.



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Take the selector (safety) lever and reinsert as shown in the picture.

Make sure the Yoke of the Safety lever passes through Hole C. Once reinserted pull the trigger back and rotate the lever down, if it hits the back of the disconnecter that's ok just force it a little and it ought to slide past it, continue to rotate it down until its in the fire position.



If you did every thing correctly is should look similar to the picture below.



And that's it, you just completely reinstalled the rifles Fire Control Group. Put the rifle back together and it should be ready to rock and roll.

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Fire Control Group Removal

This is Method 2 of the Fire Control Removal Tutorial. [Click here to go back to Page 4 of the Tutorial](#)

First take the hooked end of the Shepard Hook and Hook it around the cross rivet as shown in the picture. Make sure the Shepard Hook is flush against the left side of the receiver.

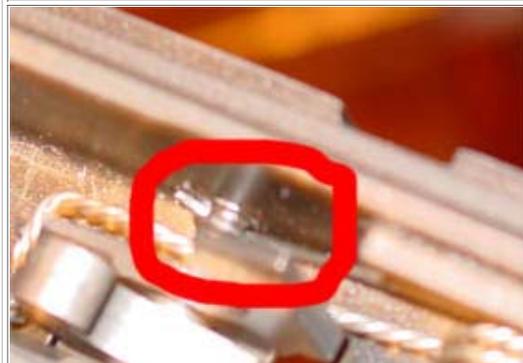
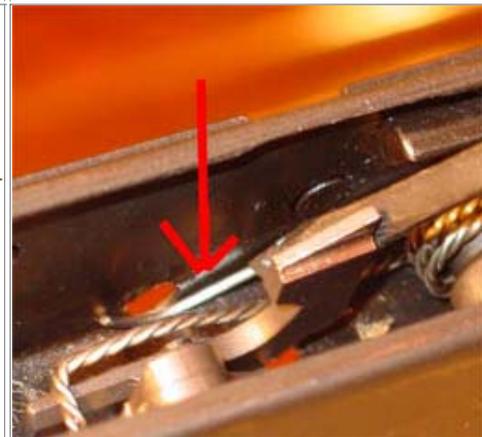
NOTE: The only reason the hammer is cocked in this photo is because I needed it out of the way to take the shot.



Next you must use your pin punch and remove the trigger axis pin. To make this step easy push the pin punch all the way through the disconnecter and trigger to hold them in place but make sure to leave a gap between the receiver wall and the disconnecter on the left side.

In the photo I have circled the place where the gap should be, notice how I have my pin punch still inserted through the trigger and disconnecter and the right side of the rifle to hold them in place.

Now take the flat head screw driver or your finger and push the end of the Shepard Hook down until it is under the trigger axis pin hole. Reinsert the trigger axis pin and push it all the way through the trigger and disconnecter. I recommend as you reinsert the axis pin you slowly back out the punch so it doesn't separate the trigger from the disconnecter.



If you did this right the small bent part of the shepards hook should be held under the trigger axis pin. Now take the flat head screw driver and leverage the small bent part of the Shepards Hook up under the small groove in the trigger axis pin. The picture to the right shows what it should look like if you did this right.

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Next look over the entire length of the Shepard Hook and make sure its flush against the left receiver wall and that it runs through the groves of both the hammer axis pin and the trigger axis pin.

Do a final check by tapping on the axis pins to make sure they don't back out of the rifle.

And that's it, you just installed the Shepard Hook, to finish the reinstallation take the selector (safety) lever and reinsert as shown in the picture.



Once reinserted pull the trigger back and rotate the lever down, if it hits the back of the disconnecter that's ok just force it a little and it aught to slide past it, continue to rotate it down until its in the fire position.

And that's it, you just completely reinstalled the rifles Fire Control Group. Put the rifle back together and it should be ready to rock and roll.

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Fire Control Group Removal

This is Method 3 of the Fire Control Removal Tutorial. [Click here to go back to Page 4 of the Tutorial](#)

So you are one of the unlucky few who don't have a Shepard Hook that was pictured...not to fear, if we take it slow we should be able to get it installed. It might be a good idea to get some one to help you hold the rifle through the installation.

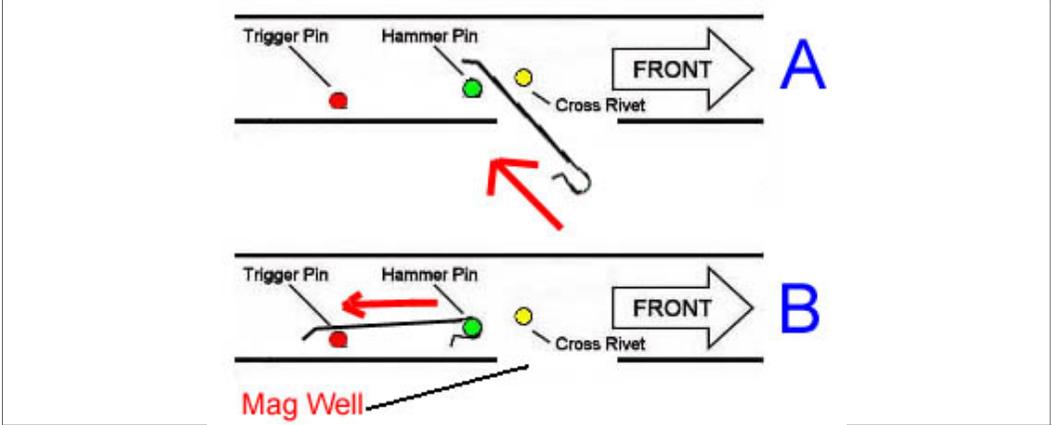


First take your Shepard hook and insert it through the magazine well as shown, you want to slide it along the left side of the receiver until the hooked part touches the inside groove of the hammer axis pin. Now grab on to the small bent part through the top of the receiver and with the pliers pull the Shepard hook until the hook part encloses the hammer axis pin groove, make sure its flush against the left side of the receiver.

Below is a picture guide on inserting the Shepard Hook

A. Push Shepard Hook up through magazine well as shown

B. Pull the hooked part of the Shepard Hook over the Hammer Axis Pin



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- Straightening a Canted Gas Block

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- Trigger Slap Fix

- WASR-10 Magazine and Drum Well Fix

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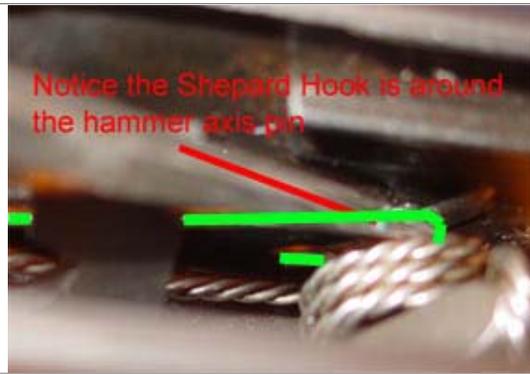
- BlackJack Swift AK Lever

- BlackJack Buffers

- HiCap's Large Capacity Magazine

- Red Star Arms Shepard Hook Replacement

- Red Star Arms Adjustable Trigger



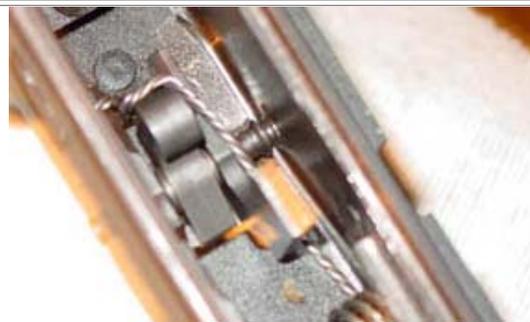
If you did this right, the hooked part of the Shepard Hook should be flush against the left side of the receiver and engaged around the hammer axis resting in the little groove of the pin. If it is not in the groove use a screw driver to leverage it in place. I have outline the Shepard Hook in green.

Use your pin punch and remove the trigger axis pin. To make this step easy push the pin punch all the way through the disconnector and trigger to hold them in place but make sure to leave a gap between the receiver wall and the disconnector on the left side.



Now take the flat head screw driver or your finger and push the Shepard Hook down until it is under the trigger axis pin hole, this is hard to do and I recommend you have someone hold the rifle for you during this step. Continue to apply pressure and reinsert the trigger axis pin and push it all the way through the trigger and disconnector. I recommend as you reinsert the axis pin you slowly back out the punch so it doesn't separate the trigger from the disconnector.

If you did this right the Shepard Hook should be held under the trigger axis pin. Now take the flat head screwdriver and push down hard and at the same time leverage the Shepard Hook into the grooves of the trigger axis pin, this is a bitch to do and may require several attempts.



If you did this correctly it should look like the picture to the left. Notice how the Shepard hook is flush against the left side of the receiver and inside the groove of the trigger and hammer axis pins. Do a final check by taping on the axis pins to make sure they don't back out of the rifle.

And that's it, you just installed the Shepard Hook, to finish the reinstallation take the selector (safety) lever and reinsert as shown in the picture.



Once reinserted pull the trigger back and rotate the lever down, if it hits the back of the disconnecter that's ok just force it a little and it ought to slide past it, continue to rotate it down until its in the fire position.

And that's it, you just completely reinstalled the rifles Fire Control Group. Put the rifle back together and it should be ready to rock and roll.

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Trigger Slap Fix

Trigger Slap is the little annoying phenomena not just unique to Romanians, but a good number of AK's in general.

Trigger Slap is caused by out of spec Fire Control Group parts, specify it occurs when the rifle's bolt recoils hits the hammer which in turn moves down and locks under the disconnecter. When the hammer moves the disconnecter so it can be locked into place ready for the next shot, the back of the disconnecter catches slightly on the trigger and causes it to "slap" back against your finger. This can cause pain and discomfort when shooting.

In Romanian Rifles, the fault lies with Century's poorly designed US made Fire Control Group. Instead of properly researching a nice US made Fire Control Group they copied a Full Auto design and skipped some of the last machining steps. If you notice in the photo how the Romanian group is more rounded, this is because the Romanians sent their Fire Control Group through a few more machine process. Century on the other hand, to save cost, decided that this was unnecessary and that the Fire Control Group will still be operational with out those last few crucial machining steps. What they didn't realize is that it creates a uncomfortable fire control group.

Original
Romanian



Crappy
Century



So to fix slap there are two ways this can be accomplished, the first is to purchase a new properly designed US made Fire Control Group, I recommend the one from Red Star Arms (see the review in the menu to the left), or second you can fix it your self.

To fix it your self you will need a Dremel and a couple of grinding stones to go with it.



First completely unload, fieldstrip, and remove your rifles fire control group. If you don't know how to fieldstrip your rifle, or remove your fire control group see the corresponding tutorials on the menu to the left.

Now grab your disconnecter and observe the tab at the rear of it, this is unnecessary on a semi auto rifle and is part of the problem. Also take notice of the bottom of the disconnecter near the disconnecter spring hole. If you notice how blocky it looks compared to the original semi auto Romanian disconnecter. These two areas are the cause of trigger slab so we must correct the problem.

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Take your Dremel and cut the area to the right of the red line off, go slowly and take your time. Make sure don't cut anything off of the front of the disconnecter, this could cause slam fires possibly killing you and or destroying your rifle. Leave the blue area alone for now.



With that area cut off you are now finished. You can either (A) put every thing back together, or (B) kill two birds with one stone by going to the FCG Polishing tutorial while every thing is in pieces. If you shoot your rifle and still have trigger slap shave just a tiny bit off of the area under the blue line in the photo to the left.

If your trigger slap still exist, you may have to replace the FCG with another one. I suggest getting a Red Star Adjustable Trigger because they are so comfortable to shoot with.

BTW if you screw up your parts or hurt your self I take no responsibility.

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WASR-10 Hi-Cap Mag Well Fix

To avoid many of the legal hassles of importing hi-cap rifles into the country Century Arms had single stack Romanian AKs imported and then converted them to hi-cap once in country. Unfortunately to save money, their quality control department must have been on "break" because a good majority of the WASR-10 that were converted were not completed all the way.

The problem is most of the rifles still have 2 little burs at the back of the magazine well that interfere with inserting magazines, and drums into the rifle. What this tutorial will show you how to do is correct the problem so both magazines and drums fit into your rifle with no hassle. Hopefully this tutorial will put a end to all the nay Sayers that a WASR-10 can not accept drums.



Basically the only tool you will need for this fix is a trusty old dremel. Notice the two burs in figure a below. These are what are causing the majority of the problem. These burs combined with a far to rounded magazine well towards the rear is the reason most magazines have trouble fitting.



Fig A



Fig B

- Straightening a Canted FSB

- Straightening a Canted Gas Block

- Fire Control Removal

- Trigger Slap Fix

- WASR-10 Magazine and Drum Well Fix

- REVIEWS -

- BlackJack Swift AK Lever

- BlackJack Buffers

- HiCap's Large Capacity Magazine

- Red Star Arms Shepard Hook Replacement

- Red Star Arms Adjustable Trigger

The first thing you need to do after you fieldstrip the rifle is to take the dremel and remove the two burs so you get a flat edge under the magazine catch so it looks like figure b above.



Next you need to clean up the rounded profile of the magazine well as highlighted in red in the above picture. Its best to take off a little at a time and test fit your drum/magazine. Once it fits fine take a file and smooth out the rough edges.



Once finished the well should look similar to above photo(note in this picture I did not smooth out the rough edges with a file yet which is the last step. Make sure you file down the rough edges and clean out all the metal shavings before shooting.



Now that you have fixed Century's "mistake" your WASR-10 should accept all magazines and drums. Above is a photo of my WASR-10 with a chinese drum.

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