

MR762A1

OPERATOR'S MANUAL



Covering all MR762A1 7.62 x 51 mm
variants including Long Rifle Package, LRP III

SAFETY PRECAUTIONS

CAUTION: Read these safety rules before handling the firearm!

Read this operator's manual before handling your firearm. The following safety rules are placed in this manual by HK as an important reminder that firearms safety is your responsibility. If handled improperly firearms can be dangerous and can potentially cause damage to property, serious injury, or death.

1. Never point a firearm at anyone, or in any direction other than a SAFE direction, i.e. downrange.
2. Treat all firearms as if they are always loaded.
3. Keep your finger off the trigger and outside of the trigger guard until your sights are aligned on the target.
4. Keep your finger off the trigger and outside of the trigger guard while loading or unloading the firearm.
5. Keep your finger off the trigger and outside of the trigger guard while slinging the firearm or while carrying it.
6. Be sure of your target and the back stop beyond.
7. Never give a firearm to or take a firearm from anyone unless the action is open and the magazine and/or chamber are free of any ammunition or brass.
8. Be sure that the ammunition you are using is factory loaded, is of the correct caliber for the firearm in which it is to be used, and that it is not damaged in any way.
9. Before firing, remove the magazine from the firearm, lock the bolt open, make sure the chamber is clear of any ammunition or brass, and check the barrel of the unloaded firearm for any possible obstructions.
10. Before firing any firearm that is unfamiliar to you, make sure that you understand exactly how it functions. A lack of familiarity with the firearm can result in serious accidents. Attend a certified training course on any firearm which you intend to use or with which you are not sufficiently familiar.
11. Always wear hearing and eye protection when using your firearm.
12. Keep all body parts, particularly the hands and fingers, away from the muzzle to avoid injury or burns.
13. Be sure that parts of the hand do not touch or interfere with the action.
14. Firearms should be stored separately from ammunition and beyond the reach of children, and/or any untrained individuals.
15. Avoid the use of any alcoholic beverages or drugs before and during the use of any firearm.
16. Discharging firearms in poorly ventilated areas, cleaning firearms, or handling ammunition may result in exposure to lead, a substance known to be associated with birth defects, reproductive harm, and other serious injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure.
17. To make the firearm safe, one must ensure the chambered round is removed during the clearing procedure. Removal of the rifle's magazine does not remove the chambered round. This can only be done with the rearward movement of the bolt after the magazine is removed.

STOP! KNOW HOW TO CLEAR THIS FIREARM BEFORE ATTEMPTING TO OPERATE. SEE PAGE 5

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**WARNING: A firearm has the capability of taking your life or the life of someone else!
Be extremely careful with your firearm. An accident can occur at anytime and is almost
always the result of not following basic safety rules.**



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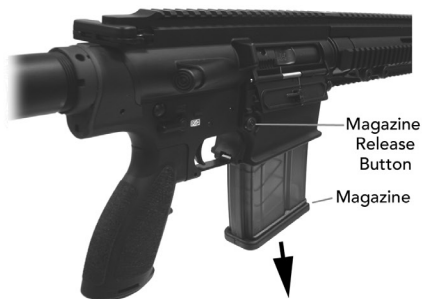
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CLEARING THE MR762A1



1. ON SAFE — Point the muzzle in a safe direction with the finger off the trigger and outside the trigger guard. Place the selector on "SAFE. The safe position is indicated by a closed white box containing a bullet symbol with an "X" over it."



2. REMOVE MAGAZINE — Remove the magazine (if applicable) by depressing the magazine release button located on the right hand side of the lower receiver.



3. RETRACT BOLT — Depress the catch located on the charging handle and rack the bolt to the rear two or three times in quick succession to extract and eject any cartridges that may have been loaded into the barrel.

4. LOCK BOLT TO THE REAR — Lock the bolt to the rear by pulling the charging handle all the way back. Once the bolt reaches its limit of rearward travel, depress the bottom of the bolt catch located on the left hand side of the lower receiver.



5. INSPECT THE CHAMBER — Perform a visual inspection of the chamber area to ensure that no live rounds are present in the rifle prior to disassembly.



6. RETURN THE BOLT TO BATTERY — Depress the grooved paddle (top portion) of the bolt catch or by slightly pulling back on the charging handle until the bolt catch disengages from the bolt, allow the action spring to move the bolt all the way forward.

SECTION 1 — INTRODUCTION

The thirty caliber (7.62 x 51 mm) counterpart of the 5.56 mm MR556A1, the MR762A1 also traces its lineage to the select fire HK416/HK417 model line. The MR762A1 is a semi-automatic rifle developed by Heckler & Koch as a premium level commercial/civilian firearm with match rifle capability. Like the entire line of HK416/HK417/MR556A1 long guns, the MR762A1 is a major product improvement over conventional AR-type carbines and rifles. The MR762A1 uses the HK proprietary gas piston operating system, employing a piston and a solid operating “pusher” rod in place of the gas tube normally found in many AR15/M16/M4/AR10-type firearms.

This method of operation virtually eliminates malfunctions that are common to direct impingement gas systems since hot carbon fouling and waste gases do not enter the receiver area. This is the same key feature critical to the success of the HK416 and HK417 rifles used by leading military and law enforcement customers. The MR762A1 is assembled in the USA using American and German made components. The MR762A1 uses many of the same assemblies and accessories developed for the HK417.

Used with either the HK Modular Rail System (MRS) or the Free Floating Rail System (FFRS), the barrel does not touch the handguard, ensuring the barrel/handguard relationship is truly free-floating for maximum accuracy. MRS handguards were added in 2015 and have many of the features found on the FFRS and provides HK MR series and HK417 rifles with a mission flexible, easy-to-modify, ergonomic handguard.

The Modular Rail System (MRS) allows the shooter to place individual rail segment components and accessories anywhere along the length of the seven free sides of the forearm using the slotted interface. Two integral quick detachable sling attachment points are located on the left and right side of the MRS, just forward of the receiver.

Heckler & Koch 7.62 mm Modular Rail System handguards come in various lengths (14.7 inch and 9 inch) and finishes (currently black, Flat Dark Earth/RAL8000).

The HK Free Floating Rail System (FFRS) handguard has four MIL-STD-1913 Picatinny rails. Both handguard/rail systems allows all current accessories, sights, lights, and aimers used on M4/M16-type arms to be fitted to the MR Series. Both HK rail system handguards can be installed and removed with simple tools and return to zero when reinstalled. The MR762A1 also has a Picatinny rail machined into the top of its upper receiver for mounting optics and mechanical sights.

Like the selective-fire HK417, the MR762A1 uses a German-made barrel produced by Heckler & Koch's famous cold hammer forging process. The highest quality steel is used in this unique manufacturing process producing a barrel that provides superior accuracy and long service life. But unlike the HK417, the MR762A1 does not use a chrome-lined barrel. Chrome-lining can sometimes mask bore imperfections and negatively affect accuracy. For the semi-automatic MR rifle series, HK designers and engineers believe best accuracy comes with an unlined bore.

The unchromed barrel has an internal profile of 4 lands and grooves with a 1 in 11 inch (280 mm) twist. It is also moderately “swagged” with a slightly smaller internal diameter at the muzzle end than the chamber end. This feature has a positive effect on bullet accuracy and velocity. The thick, heavy contour 16.5 inch MR762A1 barrel also contributes to its excellent accuracy.

A precise enhanced two-stage trigger adds significantly to the accuracy of the MR762A1 and an extended latch charging handle makes operating the rifle with a telescopic sight easier. The retractable buttstock can be locked into a solid, non-moving position by

tightening an Allen screw in the bottom of the stock. Special target rifle takedown pins ensure the upper and lower receivers are firmly mated for accurate performance.

Designed to function with a wide variety of high quality 7.62 x 51 mm ammunition, the MR762A1 uses a C.I.P. dimensioned chamber (a chamber with dimensions specified by the Commission Internationale Permanente). The MR762A1 also functions reliably with most quality Caliber .308 Winchester ammunition. The MR762A1 is being produced with the same commitment to quality as German-made HK firearms. By using joint U.S./ German manufacturing, Heckler & Koch leverages the relative strengths of two continents to make the preeminent semi-automatic 7.62 mm/caliber .308 type firearm, combining the design innovations of the USA and Germany into one new product.

SECTION 2 — MR762A1 NOMENCLATURE & DESCRIPTION

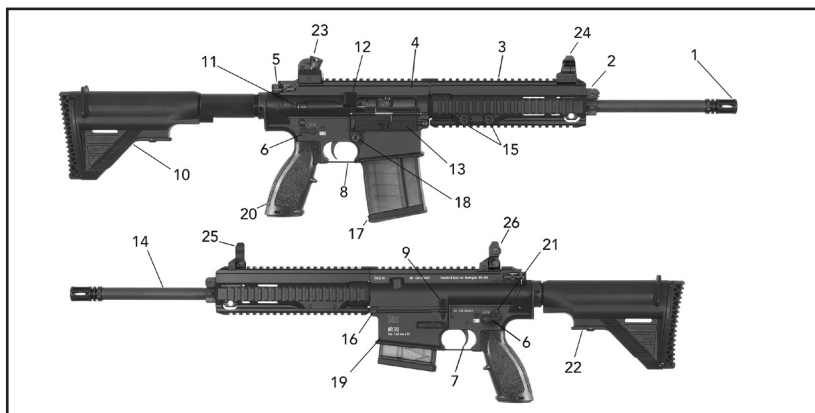


Fig. 1 – Right and left views of MR762A1 standard model

1. Compensator – Bird cage style flash hider is screwed to the end of the barrel and helps compensate for muzzle rise during firing.

2. Gas Block – Directs the expended gas from the gas port hole in the barrel and pushes the piston rearward, pushing the piston rod and bolt carrier rearward (defined in more detail in the cycle of operation). Contains an attachment point for the optional HK folding front sight.

3. Free Floating Rail System (FFRS) – The HK FFRS is a free-floating detachable rail system with four-quadrant MIL-STD-1913 (Picatinny) rails that can mount a variety of accessories including sights, scopes, a forward grip, lights, laser aimers, bipods, and sling hardware. The bore sight alignment of aiming devices is repeatable (no re-zeroing required) when the Free Floating Rail System is removed and reinstalled on the firearm. The Free Floating Rail System is removed and reinstalled with a 5 mm Allen wrench.

4. Upper Receiver – The upper receiver is a flat-top design with an integral MIL-STD-1913 (Picatinny) rail that provides support for the barrel, FFRS, gas system, and bolt carrier assembly. It has a case deflector and ejection port. It connects to the barrel and barrel socket. The piston rod is guided through the upper receiver by a bushing and activates the bolt carrier. The charging handle is a part of the upper receiver as is the forward assist and ejection port cover. The upper receiver is made from an aluminum forging.

5. Charging Handle – Allows the operator to chamber or clear a round and cock the

firearm. It also provides for initial charging of the firearm. The charging handle is locked in the forward position during firing to prevent injury to the operator. An enhanced charging handle with an extended catch is available on the MR762A1.

6. Selector/Safety Lever – Allows the operator to select the mode of fire and place the firearm on safe. The selector lever is manually activated and unlike competing AR systems, can be switched to safe even if the hammer is not cocked. Ambidextrous selector/safety levers are located on both sides of the lower receiver.

7. Trigger – When activated by the operator, initiates the firing sequence. Located inside the lower receiver, the trigger when squeezed with the firearm loaded and off “safe” will fire the gun, “SEMI-AUTOMATIC” will fire one round each time the trigger is pulled. The MR762A1 uses a proprietary HK two-stage trigger for optimal accuracy.

8. Trigger Guard – The trigger guard protects the trigger. It can be lowered by depressing the detent with a pointed implement, allowing the use of heavy gloves or mittens.

9. Bolt Catch/Bolt Release – The bolt catch/release is manually operated. When the bolt carrier is pulled fully to the rear, the bottom of the bolt catch/release is pressed by the operator and then the bolt will be captured. To release the bolt, simply press the top of the bolt catch/release. The bolt catch/release is also automatically activated when firing the last round in a magazine.

10. Sliding Buttstock – Attached to the firearm via the receiver extension. The sliding buttstock is ambidextrous and adjustable to 5 positions for length of pull by pressing in on the rear portion of the release lever. It also contains the rear sling attachment points. Many optional buttstocks can be attached to the MR762A1 as long as they fit on the Receiver Extension (Buffer Tube), which has MIL-SPEC cross sectional dimensions. The Long Rifle Package model buttstock has an adjustable cheekpiece with fine-tune length of pull.

11. Forward Assist – Ensures that the bolt is fully closed and locked. The forward assist is used when a round is not fully chambered. You can push on the forward assist until the bolt seats the cartridge fully into the chamber. It will return to its rearward position by spring pressure. It can also be used to silently load the firearm.

12. Case Deflector – Built into the upper receiver, deflects the cartridge cases away from the shooter.

13. Ejection Port Cover Assembly – The ejection port cover is attached to the upper receiver and is spring loaded. It will open automatically if the charging handle is pulled to the rear or if the firearm is fired and can be manually closed at any time. It closes over the ejection port to prevent sand, dust, etc. from entering the chamber. It should remain closed when the firearm is not being fired.

14. Barrel Assembly – The chamber accepts the cartridge for firing and directs the projectiles down range. The barrel is cold hammer forged and has standard land and groove rifling with a 1 in 11 inch (280 mm) twist. The barrel is pressed into the upper receiver assembly and held in place by the threaded barrel nut.

15. Locking Screws, Free Floating Rail System (FFRS) or Modular Rail System (MRS) handguards – The handguards are fastened with two locking screws to the forward extending barrel locking bushing. Fastening and positioning of the handguards on the bushing is positive and ensures maintenance of zeroing on any sight system which has previously been attached to the rail after removal and remounting of the rail. Locking Screws should not be completely removed, they can be tightened and loosened by using a 5 mm Allen wrench.

16. Pivot Pin – The pivot pin allows the upper receiver to pivot when the rear takedown pin is depressed. When both the pivot pin and rear takedown pin are depressed, the upper and lower receiver groups can be separated. The pivot pin is captive and should not be removed. Both the pivot pin (front takedown) and rear takedown pin have locking shafts that need to be pressed while the pins are depressed and engaged.

NOTE: Both the pivot pin and the rear takedown pin are special precision “target rifle” pins. For disassembly and reassembly, a center detent in the shaft of the pin must be engaged under pressure and held to move the pins back and forth. DO NOT FORCE THE PINS. Forcing the pins could damage the rifle and such damage is not covered under the HK warranty. Contact HK Customer Service with any questions, TEL: 706-701-5554, EMAIL: cs@heckler-koch-us.com.

17. Magazine – Holds cartridges ready for feeding and provides a guide for positioning cartridges for stripping and chambering. The HK 10- and 20-round polymer magazines have a specially shaped follower that will not cant during the feeding process. The spring is stronger and more reliable than standard magazine springs.

18. Magazine Catch/Magazine Release – Holds the magazine (in place) in the magazine well and allows the operator to release the magazine and remove it from the firearm. The magazine catch is activated automatically when the magazine is properly inserted into the magazine well. The magazine catch is spring loaded and when the button is depressed, the magazine will drop free from the firearm when this control is activated.

19. Lower Receiver – Contains the fire control system for the firearm. The lower receiver contains the hammer, trigger, disconnector, sear, magazine well, magazine catch/release, bolt catch/release, selector/safety lever, buttstock assembly with buffer and recoil spring, pistol grip and trigger guard. The lower receiver is made from an aluminum forging and provides a beveled magazine well to ease reloading.

20. Pistol Grip – The pistol grip is made so it can be used by a left or right handed shooter. It has a trapdoor on the bottom so extra batteries, small tools, or other accessories may be stored. Other AR-type pistol grips can also be installed.

21. Rear Takedown Pin – When the rear takedown pin is depressed, it allows the upper receiver to pivot on the front pivot pin. This pin is captive and should not be removed. Like the pivot pin (front takedown pin), the rear takedown pin has a locking shaft that needs to be pressed while the pins are depressed and engaged for disassembly and reassembly.

22. Buttstock Release Lever – The buttstock release lever locks the telescopic buttstock to the tubular rear buttstock extension. The buttstock is adjustable in length in 5 positions.

23. Rear (Diopter) Sight – proprietary HK sight used on many HK firearms, attaches to the MIL-STD-1913 top rail of the upper receiver. Optional accessory (sold separately).

24. Front Sight – proprietary HK sight used on many HK firearms, attaches to the MIL-STD-1913 top rail of the Free Floating Rail System (FFRS). Optional accessory (sold separately).

25. Front Sight – Troy Industries micro sight, folds down when not in use, can be adjusted without special tools (sold separately).

26. Rear Sight – Troy Industries micro sight, folds down when not in use, can be adjusted without special tools (sold separately).

INTERNAL PARTS NOMENCLATURE

Muzzle – The muzzle is the area at the end of the barrel and the last area that the projectile touches before it exits the bore.

Bore – The part of the barrel that the projectile travels through from the chamber to the muzzle and contains lands and grooves which make the projectile rotate.

Chamber – The chamber is the area where the cartridge is seated and the initial phase of firing occurs.

Bolt and Carrier Assembly – Provides stripping, chambering, locking, firing, extraction, and ejection of the cartridges using the recoil spring and projectile propellant gases for power. These parts are made of the highest quality steel.

Bolt – The bolt locking lugs rotate and lock the barrel and bolt together prior to cartridge ignition.

Extractor – The extractor grabs the rim of the cartridge case and pulls the case out of the chamber. The extractor spring and buffer provide constant pressure on the rim until the case is ejected.

Ejector – The ejector pushes against the cartridge base under constant spring tension and once the cartridge or case is extracted and clears the front of the ejection port, the cartridge or case is ejected from the firearm.

Cam Pin – The cam pin allows the bolt to cam inside the bolt carrier, which allows the bolt to lock into the barrel extension when fully forward and cams to unlock when the carrier is pulled to the rear.

Firing Pin – The firing pin will strike the primer and initiate the firing sequence once the trigger is pulled. The firing pin will only protrude through the face of the bolt when the bolt is fully locked forward.

Drop Safety/Firing Pin Safety – Prevents an accidental discharge in the event of dropping or jolting the gun.

Firing Pin Retaining Pin – Retains the firing pin in the bolt carrier.

Recoil spring and buffer – The recoil spring provides constant pressure on the bolt carrier and holds the bolt in a locked forward position. The buffer has tungsten granules that act as an anti-bounce back mechanism.

Buffer detent – Captures the buffer and spring and when depressed, releases them for removal.

Hammer – The hammer, when released by the trigger, strikes the firing pin. The hammer returns when the bolt carrier pushes back under recoil, the hammer makes contact with the disconnector and will release from the disconnector when the trigger is released. The hammer remains cocked under spring pressure.

Trigger – The trigger, when squeezed, releases the hammer and returns under spring tension.

Disconnector – Captures the hammer when it is cocked to the rear and releases the hammer to the sear when the trigger is released. The disconnector then returns to its original position under spring tension.

ASSEMBLY GROUPS

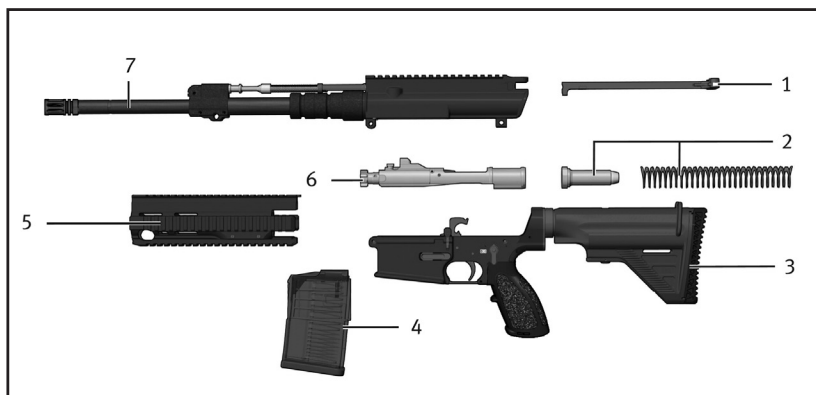


Fig. 2 – MR762A1 Major Assembly Groups

1. Charging Handle Assembly
2. Buffer and Recoil Spring
3. Lower Receiver Assembly - contains the buttstock assembly (holds buffer and recoil spring), pistol grip, selector lever, trigger group, trigger guard, magazine catch/release, bolt catch/release, magazine well, pivot pin and take down pin.
4. Magazine Assembly (20-round shown)
5. Handguard - Free Floating Rail System (interchangeable with Modular Rail System)
6. Bolt Carrier Assembly
7. Upper Receiver Assembly - contains the forward assist, case deflector, ejection port cover assembly, gas block, compensator, barrel, gas piston and piston rod.



Fig. 3 – MR762A1 LRP III

SECTION 3 — FUNCTION AND OPERATION

The function and operation of the MR762A1 is similar to that found in semi-automatic firearms and consists of eight steps: (1) Feeding, (2) Chambering, (3) Locking, (4) Firing, (5) Unlocking, (6) Extracting, (7) Ejecting, and (8) Cocking.

These eight steps are explained below with a brief description of what occurs inside the rifle during each step. Assume that a full magazine is loaded in the rifle with the magazine follower spring forcing the follower and thus the top cartridge into the path of the bolt and the bolt is locked to the rear.

(1) Feeding. The bolt is released from the bolt catch, either by deploying and then releasing the charging handle or by depressing the bolt catch. The bolt assembly moves forward, being driven by the expansion of the recoil spring. The bottom locking lugs on the bolt head act as a feed pawl, striking the top cartridge off the magazine and moving the cartridge towards the chamber in the rear of the barrel.

(2) Chambering. The recoil spring continues to drive the bolt assembly forward until the bolt head seats the cartridge into the barrel's chamber. Chambering is complete when the extractor snaps into the extracting groove on the cartridge and the ejector is forced into the face of the bolt.

(3) Locking. Locking occurs when the bolt reaches its limit of forward travel. When the bolt is moving forward, the cam pin orients the bolt head by ensuring that the locking lugs on the bolt head will pass between the gaps of the locking lugs located on the barrel extension (chamber). The bolt then strikes the back of the barrel and then stops. The action spring continues to move the bolt head carrier forward, thus causing the cam pin to pivot on the bolt head's raceway. This action pivots the bolt head and rotates the bolt head's locking lugs counter-clockwise until they engage the locking lugs on the barrel extension. The bolt assembly is now locked into the upper receiver.

(4) Firing. Firing occurs when the firing pin strikes the primer in the head of the cartridge. When the trigger is pulled, the trigger's sear surface disengages from the hammer's intercept notch and the hammer releases. The hammer moves forward under pressure from the hammer spring, disengaging the drop safety, striking the firing pin, and overcoming the inertia of the firing pin spring. This drives the firing pin against the primer, which in turn ignites the propellant in the cartridge case and propels the bullet through the barrel.

(5) Unlocking. Unlocking occurs after a cartridge is fired. As the bullet is forced through the barrel by expanding gases, a small amount of gas enters through the gas port into the gas block. The gas block features a small expansion chamber that quickly fills up with gas. The gas then hits the front of the gas piston, causing the three piston rings to expand, and driving the gas piston rearwards. Because the pusher rod is mounted in the gas piston, the pusher rod moves back as well. The back of the pusher rod hits the anvil (striking surface) on top of the bolt head carrier, causing the bolt head carrier to move rearwards. As the bolt carrier assembly moves rearward, the bolt cam pin rotates and unlocks the bolt from the locking lug recesses in the barrel extension. The unlocked bolt is now ready to move rearward. Any remaining gas follows the bullet out of the muzzle.

(6) Extracting. Extracting removes the empty cartridge case from the chamber. As the bolt unlocks, the bolt rotates slightly counterclockwise, causing the extractor to rotate the cartridge case within the chamber. The expanded case breaks contact with the chamber walls, allowing extraction to occur.

(7) Ejecting. Ejecting throws the empty cartridge case out of the receiver. As soon as the bolt has drawn the cartridge case clear of the chamber, the force of the ejector spring and plunger pushes the cartridge case head away from the bolt face. This causes the forward end of the cartridge case to move outward to the right. A deflector on the outside of the upper receiver deflects the cartridge case away from operator.

(8) Cocking. Cocking occurs when the hammer is forced into position for firing the next cartridge. This happens as the bolt carrier assembly travels toward the rear. The bolt carrier assembly forces the hammer back and rides over it. The hammer is caught by the disconnector if the trigger is still held to the rear and by the trigger's sear surface if the trigger has been released.

SELECTOR/SAFETY LEVER FUNCTION

NOTE: The MR762A1 has ambidextrous selector/safety levers, that is safety levers located on both sides of the lower receiver. Either lever can be manipulated and moves the lever on the other side. Unlike many AR-style firearms, the selector/safety levers of the MR762A1 can be placed on the "SAFE" position even if the MR762A1 is not cocked.

"SAFE POSITION" – Place the selector lever with the point facing towards the closed white box containing a bullet symbol with an "X" over it (towards the muzzle, Fig. 4).

"SEMI-AUTOMATIC POSITION" – Place the selector lever with the point towards the closed red box containing a red bullet symbol in it (straight up position) (Fig. 5).



Fig. 4 – SAFE

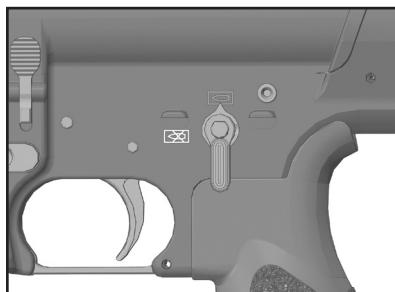


Fig. 5 – SEMI-AUTO

SECTION 4 — SIGHTS, SIGHT ADJUSTMENT, AND AIMING

MR762A1 rifles can accommodate a wide variety of optical and mechanical (iron) sights.

TROY ACCESSORY SIGHTS

For models supplied with Troy Industries Micro Folding Sights, the sights are installed on the MIL-STD-1913 (Picatinny) rail with a screwdriver.



Fig. 6 – Installing front TROY sight

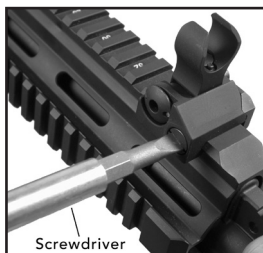


Fig. 7 – Tightening front TROY

sight

INSTALLING TROY ACCESSORY SIGHTS (FRONT)

1. Unscrew clamping assembly and place the sights at the desired location on the Picatinny rail (Fig. 6).
2. Apply one drop of tread locking compound to the exposed threads of the clamping screw. Replace the clamping plate and tighten the clamping screw while pushing sight forward against the cross-slot (Fig. 7). To raise the sight, grasp and pull up until the sights locks in the upright position. To fold the sight, depress the button on the left side of the base and fold down. (Fig. 8)

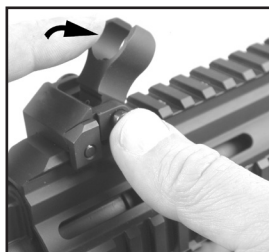


Fig. 8 – Folding (lowering)
TROY front sight



Fig. 9 – Lowered sight
TROY front sights

INSTALLING TROY REAR SIGHTS

1. The rear TROY sight installs similar to the front sights. Unscrew clamping assembly and place the sights at the desired location on the Picatinny rail.
2. To raise the sight, grasp and pull up until the sights locks in the upright position. To fold (lower) the sight, depress the button on the left side of the base and fold down. (Fig. 10-12)



Fig. 10 – Rear Sight

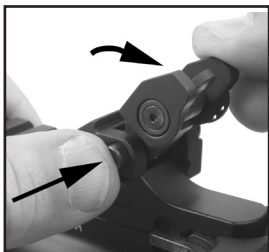


Fig. 11 – Lowering
Rear Sight



Fig. 12 – Rear sight
folded (lowered)

FRONT SIGHT ADJUSTMENT ZEROING

1. Fire a group of four (4) shots and measure the average distance for point-of-aim to point-of-impact.
2. Adjust front sight for elevation only.
3. Windage adjustments are made with the rear sight.
4. Confirm zero with a group of four aimed shots and adjust as necessary

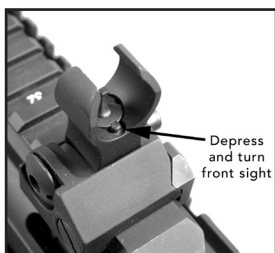


Fig. 13 – Front sight adjustment

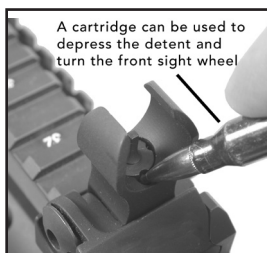


Fig. 14 – Using a bullet tip
to adjust the front sight

FRONT SIGHT ADJUSTMENT

To move the bullet impact up, turn the adjustment wheel to the right/clockwise (Fig. 13 & 14). To move the bullet impact down, turn the adjustment wheel to the left/counter clockwise (Fig. 13 & 14).

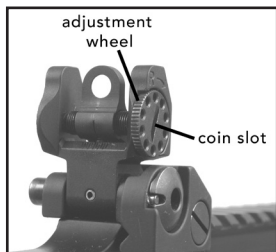


Fig. 15 – Rear Sight

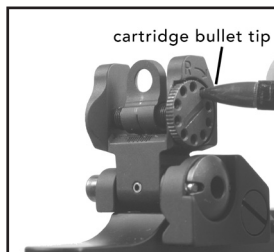


Fig. 16 – Windage adjustment

REAR SIGHT ADJUSTMENT

Windage adjustment can be made by inserting a pointed object (like a bullet tip) or a flat object (like a screwdriver or coin) into the coin slot and turning the adjustment wheel. To move the bullet impact right, turn the adjustment wheel to the right/clockwise. To move the bullet impact left, turn the adjustment wheel to the left /counter clockwise (Fig. 15 & 16).



Fig. 17 – Rear Sight

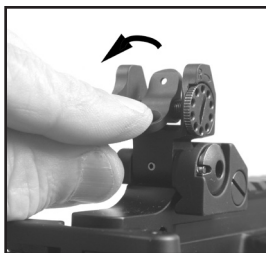


Fig. 18 – Changing aperture

The Troy rear sight also offers a choice of two flip-style apertures, both large and small (Fig. 18). The large aperture is for close engagement and the small aperture is for more distant shooting. Generally the large aperture works best for alignment with the front sight and for short and medium ranges. Elevation does not change when switching apertures. For long range shots, the small aperture can be flipped into position by finger pressure on the top of the rear sight.

Value for 1 click of adjustment Troy Micro Sights 100 meters 200 meters 300 meters

HK417/MR762A1 sight radius	.50 MOA	5/8"	1-1/8"	1-5/8"
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HK DIOPTER SIGHTS

For models with HK Diopter rotary sight sets, the sights are installed on the MIL-STD-1913 (Picatinny) rail with a Phillips #2 screwdriver or the HK sight tool (Fig. 19 & 20). Do not over tighten the screws.

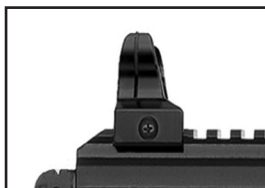


Fig. 19 – Front Diopter Sight

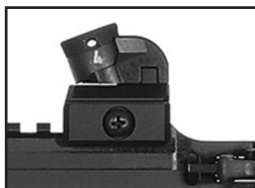


Fig. 20 – Rear Diopter Sight

For optimal sight use and the longest sight radius, the front sight is installed on the most forward portion of the MIL-STD-1913 rail and the rear sight is installed on the most rearward portion of the MIL-STD-1913 rail (located on the upper receiver). Sight adjustment is as follows:

The sight adjustment is a rear sight adjustment, so the movement of the sight will be in the same direction the shooter wants the impact of the round to move. If the hit is to the right of the intended location, then the sights and the impact must be moved left. Any corrections which may be required when sighting-in the weapon may only be performed by adjusting the rear sight for elevation or windage. MR rifles are designed to be sighted in at a range of 100 meters. REMEMBER THIS FORMULA: LL=C (Lower or Left = Clockwise rotation)

ELEVATION ADJUSTMENT

Insert elevation adjustment tool into the rear sight cylinder so that the wedges of the tool engage in the two slots in the cylinder which contain the catch bolts. Press Phillips-head screwdriver downward into the adjustment tool and hold firmly. Rotate rear sight cylinder manually in the desired direction (Fig. 21).

After correction withdraw Phillips-head screwdriver and remove elevation adjustment tool. The catch bolts will then re-engage in the slots. After performing the elevation adjustment set the desired aperture again.

NOTE: Elevation: One 1/4 click of the drum will move the strike of the round approximately 1.5" (3.8cm) @ 100 meters. One 360 degree rotation of the drum will move the strike of the round approximately 6" (15.2cm) @ 100 meters.

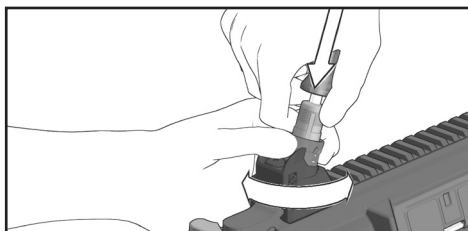


Fig. 21 – Rear Sight Adjustment

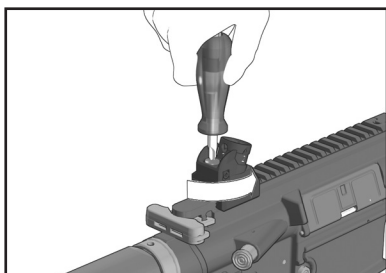


*Fig. 22 – Clamping Screw
(to tighten turn clockwise)*

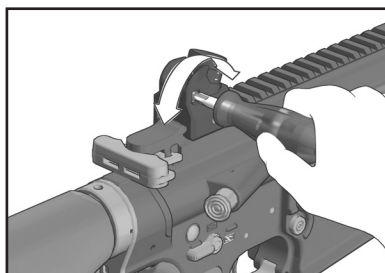


Fig. 23 – Windage Adjustment

ELEVATION ADJUSTMENT (Alternative method without sight tool)

Use of the HK Sight Adjustment Tool (HK ID # 300009) is always recommended to adjust the windage and elevation on any HK firearm equipped with standard diopter sights. However, some needle nose pliers can be substituted in the event that a sight adjustment tool is not available to perform range adjustments.

Ensure that the MR rifle is unloaded before performing any adjustment to the sights. Use needle nose pliers with smooth jaws rather than serrated jaws as the serrated surfaces may cause chips and burrs on the spring loaded catch bolts. Simply insert the jaws onto the small shelf on the catch bolts and carefully squeeze while simultaneously rotating the drum. This action withdraws the catch bolts and allows the drum to be rotated either clockwise or counter-clockwise. To lower the point of impact, rotate the drum clockwise and to raise the point of impact, rotate the drum counter-clockwise. Ensure that the catch bolts engage the vertical slots located on the inside of the drum after removing the needle nose pliers.

WINDAGE ADJUSTMENT

Point of impact, left: Loosen clamping screw on top of sight base (Fig. 22). Turn adjusting screw on the right side counterclockwise (Fig. 22) in accordance with the required correction. Then retighten clamping screw. This will move the impact to the right.

Point of impact, right: Loosen clamping screw (Fig. 22). Turn adjusting screw clockwise (Fig. 23) until the required correction has been performed. Then retighten clamping screw. This will move the impact to the left.

NOTE: Each revolution of the Windage screw will move the impact of the round 15.2 cm (6 inches) at 100 meters.

INSTALLING THE OPTIONAL HK FLIP-UP FRONT SIGHT

Press front sight onto front sight holder until the axle holes of the front sight and front sight holder are aligned. Push through the front sight axle all the way, from the right to the left and secure the front sight axle by snapping on the retaining clip. Check function of foldable front sight (Fig. 24 & 25).

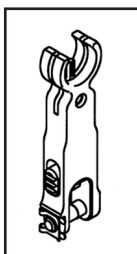


Fig. 24

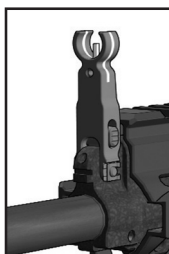


Fig. 25



Fig. 26



Fig. 27

A wide variety of mechanical, optical, and telescopic sights can be installed directly on the upper MIL-STD-1913 rail (examples, Fig. 27), either on the upper receiver portion of the rail or on the Modular Rail System or Free Floating Rail System handguards. For sight alignment and zeroing, follow the instructions of the sight and scope manufacturers. General mechanical sight alignment information is depicted in Fig. 28-29.

NOTE: Do not overtighten scopes, aimers, or any other accessories mounted on any of the MIL-STD-1913 (Picatinny) rail surfaces of the MR762A1. Overtightening can damage the rails.



Fig. 28 – Correct Aiming, HK diopter sights (left) and TROY sights (right)

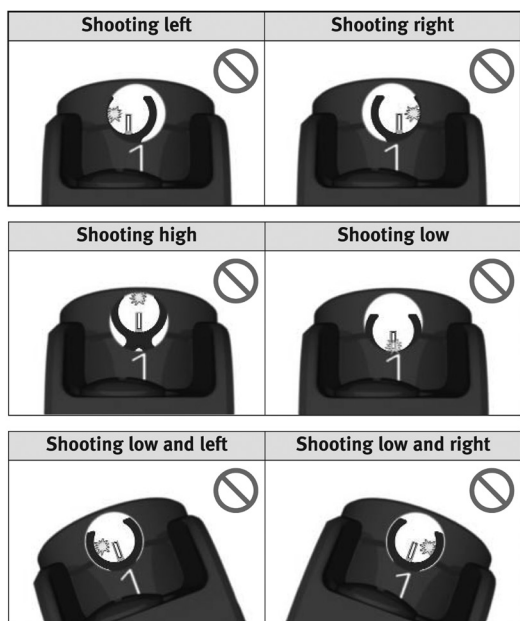


Fig. 29 – Aiming Errors

NOTE: Elevation: One 1/4 click of the drum will move the strike of the round approximately 1.5" (3.8 cm) @ 100 meters. One 360 degree rotation of the drum will move the strike of the round approximately 6" (15.2 cm) @ 100 meters.

SECTION 5 — AMMUNITION

By using ammunition with match bullets or other match grade ammunition the MR762A1 will achieve the best level of accuracy. Use ammunition of the appropriate caliber and of recent manufacture. The MR762A1 is chambered for 7.62 x 51 mm ammunition and will functioned safely and reliably with most high quality 7.62 x 51 mm and Caliber .308 Winchester ammunition.

NOTE: Use only high quality 7.62 x 51 mm NATO or Caliber .308 Winchester ammunition in the MR762A1 rifle. Damage caused by the use of improperly assembled or remanufactured ammunition may void the HK Warranty. Do not use ammunition assembled with corrosive components (primers, propellants, etc.).

The MR762A1 is designed to use ammunition made to NATO or SAAMI specifications.

DO NOT USE

- Reloads or remanufactured ammunition. Beware of military surplus, foreign or outdated ammunition.
- Non-jacketed or exposed lead ammunition.
- Corrosive ammunition (primer and/or propellant).
- Empty cases as “dummy” (inert) rounds, as damage may result. Use complete dummy rounds available for training purposes.
- Any ammunition that exceeds NATO or SAAMI (Sporting Arms and Ammunition Manufacturers’ Institute) pressure limits.
- Cartridges that are not 7.62 x 51 mm or Caliber .308 Winchester.
- Seriously corroded ammunition.
- Dented Cartridges.
- Cartridges with loose bullets.
- Cartridges exposed to extreme heat above 135°F (57°C) until they have cooled.
- Use only authorized ammunition that is manufactured to NATO and SAAMI specs.
- Ammunition that is wet or dirty.

WARNING: Only use ammunition designed to NATO and SAAMI specifications that is factory-loaded, undamaged, and of the correct caliber. The use of low powered cartridges could lead to functional stoppages (including bullets stuck in the barrel) and is not recommended.

LOADING A MAGAZINE

Magazines may be loaded by hand, one round at a time, or quickly loaded using a magazine loader. Loading a magazine by hand is depicted below (Fig. 30).

Filling the magazine

1. Hold the magazine with one hand. Place the cartridges onto the follower between the magazine lips and push the cartridge, with your thumb, down underneath the lips and ensuring the projectile is facing the front of the magazine and that the cartridge rim is fully to the rear of the magazine.
2. Repeat this step until the magazine is filled with the appropriate number of cartridges (10 or less for a 10-round magazine and 20 or less for 20-round magazines). Do not overfill magazines.

Single rounds

Magazines may be loaded with one round at a time by inserting the cartridge case in while depressing the follower and seating the case in until the projectile clears the front of the magazine. Continue this each time until the magazine is full. During and when finished filling the magazine gently tap the back of the magazine against the palm of your hand to ensure the rounds are seated properly.

CAUTION: Ensure cartridges, especially those to be loaded into the magazine, are free of sand, mud, moisture, frost, snow, ice, grease, or other foreign matter.

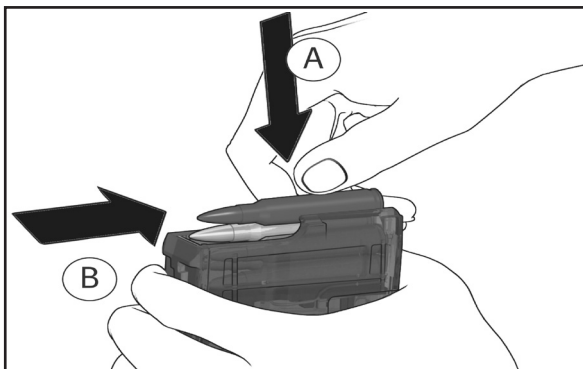


Fig. 30 – Loading Magazine

WARNING: If the rifle is dropped or jarred with a loaded magazine in place and the bolt to the rear, it could chamber a round. Failure to follow this warning may cause injury or death.

Emptying the magazine

Hold the magazine with one hand. Push the cartridges forward out of the magazine with the thumb of the other hand. Do not allow the cartridges to drop on a hard surface or they may become damaged. Do not unload cartridges using another cartridge, damage to the cartridge or injury to the operator may occur.

NOTE: The magazine may be loaded into the weapon with the bolt assembly open or closed. The procedure listed below is for the bolt open.

LOADING THE RIFLE

Loading the MR762A1 rifle for firing

1. Place the selector lever in the SAFE position. Point the muzzle in a safe direction with the trigger finger off the trigger and outside the trigger guard.
2. Pull the charging handle rearward to open the bolt and lock it to the rear by pressing the bottom part of the bolt catch (Fig. 31).

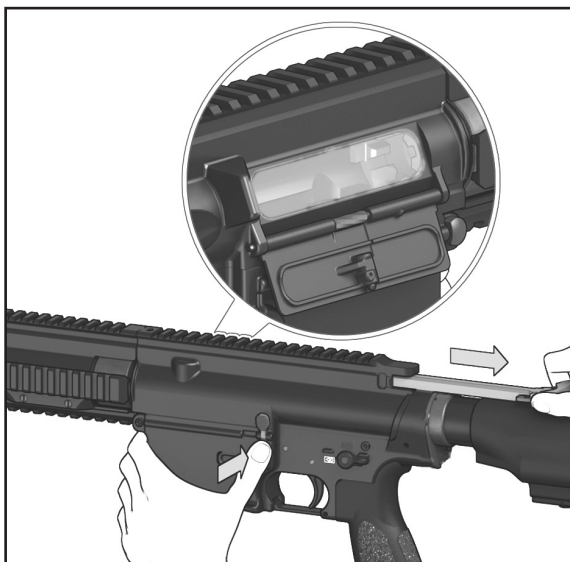


Fig. 31

3. Check the chamber to ensure it is clear.
4. Insert a loaded magazine into the magazine well until the magazine catch engages the magazine (Fig. 32).
5. Tap upward on the magazine to ensure it is properly seated and tug slightly downwards on the magazine to verify it is properly engaged by the magazine catch.



Fig. 32 – Inserting Magazine into the Rifle

6. Depress the upper portion (paddle) of the bolt catch. The bolt should go forward, stripping the top cartridge from the magazine and feeding it into the chamber (Fig. 33).

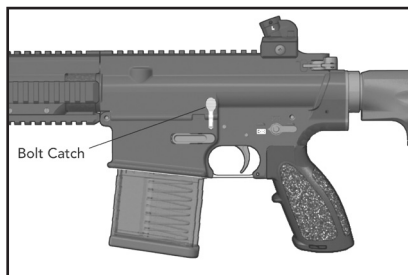


Fig. 33 – Depressing Bolt Catch to Chamber a Cartridge

7. Tap the forward assist to ensure the bolt is fully forward and locked (Fig. 34).

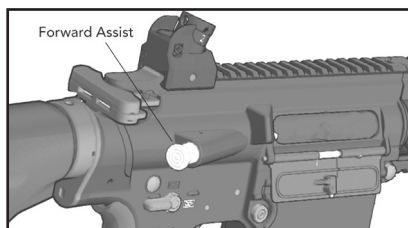


Fig. 34 – Tap Forward Assist

WARNING: Always assume every weapon is loaded until it is verified through visual and physical inspection that it is not.

Confirm the weapon is clear and on SAFE before performing the following procedures. Failure to follow these warnings may cause injury or death to personnel.

CAUTION: Never ride the charging handle forward. Allow it to move forward under its own power.

NOTE: Close the ejection port cover if the weapon is not to be immediately fired.

FIRING THE RIFLE

1. Place the selector lever on SEMI-AUTOMATIC.
2. Estimate range to target and adjust the rear sight by rotating the adjuster so that the desired range setting on the adjuster is aligned with the range index mark.
3. Sight in on the target and acquire proper sight picture and sight alignment.
4. Employing proper breathing techniques, fire the MR762A1 by slowly squeezing rearward on the trigger until the hammer releases from the sear.

WARNING: Before firing the MR762A1, ensure that:

- 1. The bore is clear of obstructions.**
 - 2. The firearm is pointed only at your intended target.**
 - 3. You are sure of your backstop and the impact area beyond.**
 - 4. Your hands and fingers are away from the muzzle.**
-

RELOADING THE MR762A1

The magazine in the weapon is empty. The bolt is held to the rear by the bolt catch. Same procedure as above, except the bolt is already locked to the rear and you must first set the selector to "SAFE".

1. Set the selector lever to "SAFE".
2. Depress the magazine release button with the right index finger or thumb. Remove the empty magazine from the magazine well. Store the empty magazine in a magazine pouch.
3. Insert a loaded magazine into the magazine well until the magazine catch engages the magazine (Fig. 17).
4. Tap upward on the magazine to ensure it is properly seated and tug slightly on the magazine downwards to ensure the magazine is properly engaged by the magazine catch. Insert a loaded magazine into the magazine well until the magazine catch engages.
5. Push the bolt catch in to release the bolt and to chamber a round.
6. The weapon is now loaded and set on "SAFE."

UNLOADING THE MR762A1

Use the clearing procedures found on page 5 to unload (and clear) the rifle.

SECTION 7 — DISASSEMBLY & ASSEMBLY

DISASSEMBLY (FIELD STRIPPING) OF THE MR762A1

Tools Needed: MR762A1 Disassembly Tool (located in the Buttstock), 5mm Allen Wrench (Disassembly tool not included with MR762 LRP III. Use 5mm allen wrench)

1. Clear the MR762A1

- a. Point the muzzle in a safe direction with the finger off the trigger and outside the trigger guard.
- b. Place the selector lever on "SAFE"

NOTE: The MR762A1 has ambidextrous selector lever/safety levers, that is safety levers located on both sides of the lower receiver. Either lever can be manipulated and moves the lever on the other side. Unlike many AR-style firearms, the selector lever/safety levers of the MR762A1 can be placed on the "SAFE" position even if the MR762A1 is not cocked.

- c. Remove the magazine (if applicable) by depressing the magazine release button located on the right hand side of the lower receiver.
- d. Depress the catch located on the charging handle and rack the bolt to the rear two or three times in quick succession to extract and eject any cartridges that may have been loaded into the barrel.
- e. Lock the bolt to the rear by pulling the charging handle all the way back. Once the bolt reaches its limit of rearward travel, depress the bottom of the bolt catch located on the left hand side of the lower receiver.
- f. Perform a visual inspection of the chamber area to ensure that no live rounds are present in the MR762A1 prior to disassembly.
- g. Return the bolt to battery (all the way forward) by either depressing the grooved paddle (top portion) of the bolt catch or by slightly pulling back on the charging handle until the bolt catch disengages from the bolt and then allow the action spring to move the bolt forward.

CAUTION: Never attempt to disassemble the MR762A1 with the bolt locked back to rear. After performing the clearance procedure, always ensure the bolt is forward before attempting to disassemble.

2. Separating the Upper and Lower Receivers:

- a. Rotate the recoil pad counter clockwise one quarter turn and separate the recoil pad from the buttstock. Remove the MR762A1 disassembly tool (Fig. 35, 36). This pertains to standard model MR762A1 ONLY, not the MR762A1 LRP model. Use the small allen wrench in tool kit to disassemble LRP models.

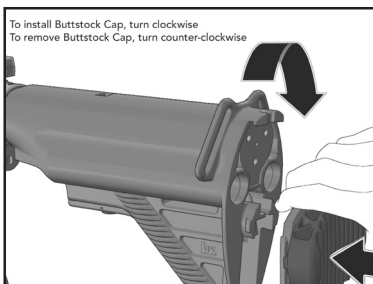


Fig. 35 – Removing the disassembly tool

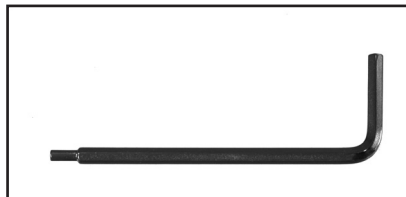


Fig. 36 – Disassembly tool

- b. Insert the small tip of the disassembly tool into the spring loaded detent located in the center of the rear takedown pin. Push the disassembly tool from left to right until the takedown pin reaches its limit of lateral travel (Fig. 37, 38).

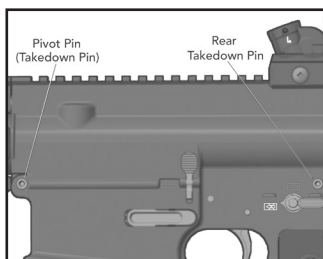


Fig. 37 – Takedown Pins

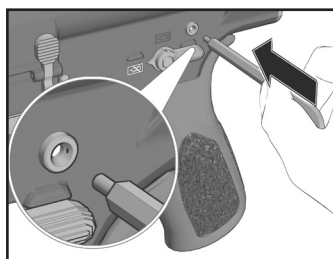


Fig. 38 – Takedown Pin Detail

WARNING: Always use the disassembly tool to disengage the detents on both the rear takedown pin and the front pivot pin. Attempting to remove the pins without disengaging the detents could lead to damaging the lower receiver. Both the rear takedown pin and the front pivot pin are captive pins and will therefore remain attached to the lower receiver. Attempting to completely remove the takedown and pivot pins could lead to damaging the lower receiver.

3. Bolt Assembly:

- a. Remove the upper receiver from the lower receiver (Fig. 39), depress the catch on the charging handle and withdraw the bolt assembly from the rear (Fig. 40). Continue to pull the charging handle to the rear until resistance is encountered. Lift up on the charging handle and separate the charging handle from the upper receiver.

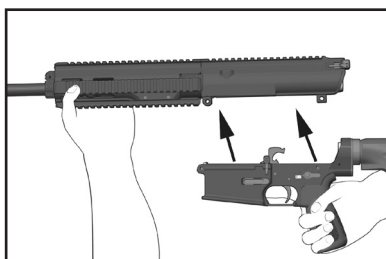


Fig. 39 – Removing the upper receiver

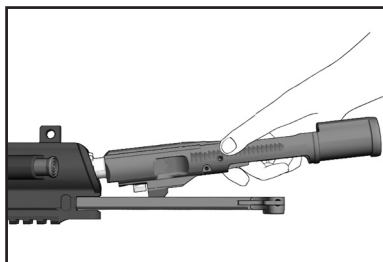


Fig. 40 – Removing Bolt & Charging Handle

- b. Insert the small tip of the disassembly tool into the right hand side of the firing pin retaining pin and drift the firing pin retaining pin from right to left until the firing pin retaining pin reaches its limit of lateral travel (Fig. 41).

WARNING: The firing pin retaining pin is a captive pin and will therefore remain attached to the bolt carrier. Attempting to completely remove the firing pin retaining pin could lead to damage of the bolt assembly.

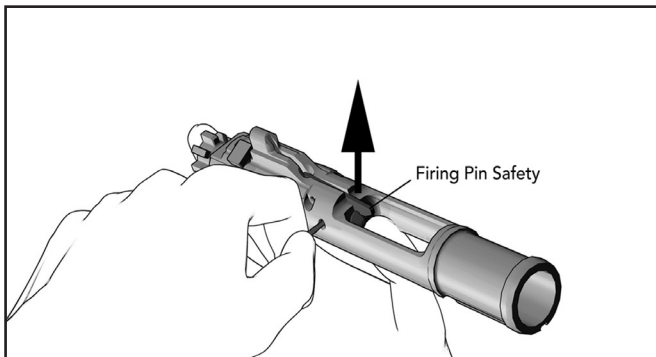


Fig. 41 – Drift out the Firing Pin Retaining Pin and lift up on the Drop Safety

- d. Lift up on the spring-loaded drop safety (firing pin safety) and remove the firing pin and firing pin spring (Fig. 41 and Fig. 42).



Fig. 42 – Removing the Firing Pin and Firing Pin Spring from the Bolt Assembly

- e. Lift up and remove the cam pin from the shaft of the bolt head (Fig. 43).

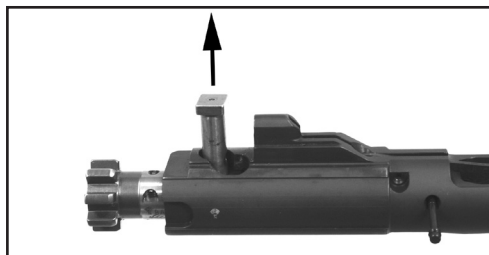


Fig. 43 – Remove the Cam Pin

- f. Slide the bolt head from the front of the bolt carrier (Fig. 44).

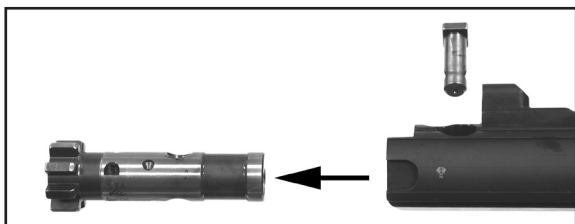


Fig. 44 – Slide the Bolt Head out

g. Further disassembly of the bolt head, including removal of the extractor is not recommended (Fig. 45).

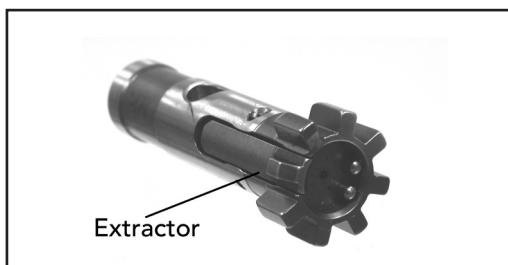


Fig. 45 – Bolt Head

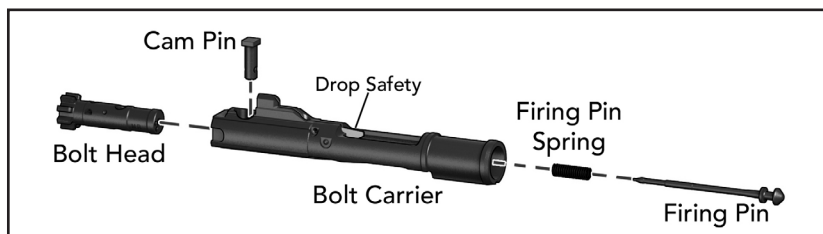


Fig. 46 – Bolt Assembly Components

CAUTION: Removal of the MR762A1 extractor and the ejectors by the operator is not recommended.

4. Upper Receiver

- a. Insert a 5mm hex (Allen) wrench into the retaining screw located on the lower right hand side of the Free Floating Rail System (handguard) and rotate counter clockwise (Fig. 47). Once loosened, drift out the retaining screw from left to right until the retaining screw reaches its limit of lateral travel.

WARNING: The retaining screws for the Free Floating Rail System (FFRS) handguard are held captive by small shaped springs located on the lower right hand side of the handguard. Attempting to completely remove the retaining screw could lead to damage of the handguard, shaped springs, and/or retaining screws.

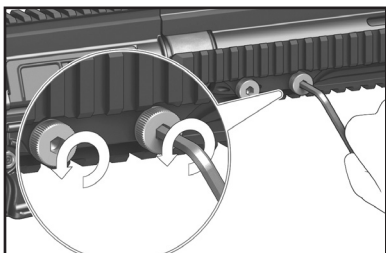
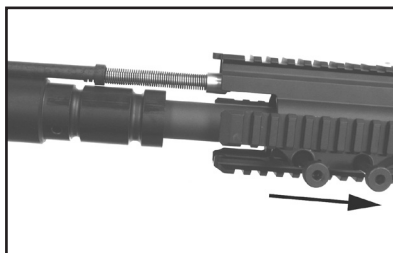


Fig. 47A & B – Loosening the FFRS screws with hex (Allen) wrench, FFRS removal

- b. Slide the Free Floating Rail System (FFRS) off the barrel nut and remove the FFRS from the upper receiver. For disassembly/removal of Modular Rail System (MRS) see section 8 page 41.
- c. Grasp the rear of the gas piston while pushing back on the piston rod. Disengage the piston rod from the piston and slide out the piston rod from the upper receiver (Fig. 48).

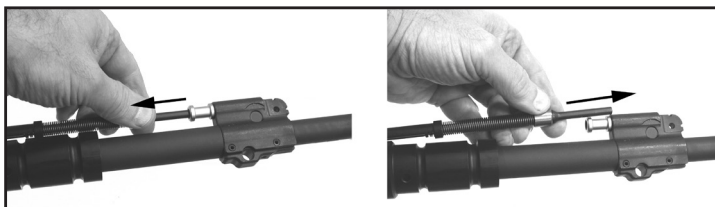


Fig. 48– Removing Piston Rod

- d. Slide the gas piston to the rear and remove the gas piston from the gas block (Fig. 49).

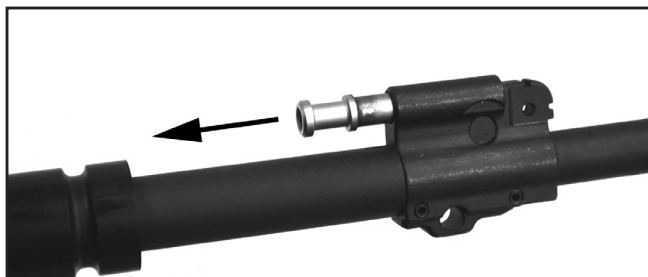


Fig. 49 – Removing Gas Piston

5. Lower Receiver:

NOTE: Always ensure the hammer is in the cocked position (down) before attempting to remove the buffer and action spring.

- a. Depress the buffer detent with the tip of the piston rod and remove the buffer and action spring from the receiver extension (buffer tube) (Fig. 50).

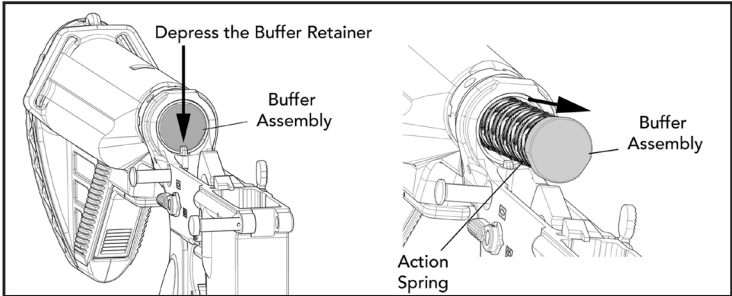


Fig. 50– Removing Buffer Assembly

- b. Check to ensure that the buttstock tightening screw is loose before attempting to remove the buttstock. If tight, insert the large tip (3mm hex) of the MR762A1 Disassembly Tool into the tightening screw and rotate (but do not completely remove) counter clockwise (Fig. 51). For cleaning and general maintenance purposes, it is not necessary to remove the buttstock.

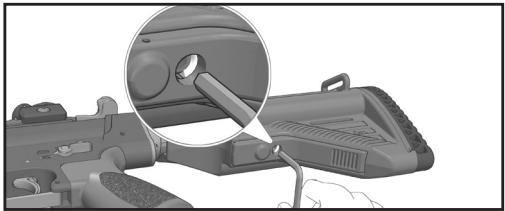


Fig. 51 – Buttstock Tightening Screw

- c. To remove the buttstock, simultaneously depress the back of the buttstock release lever while pulling downwards on the front lip. Slide the buttstock off the receiver extension.

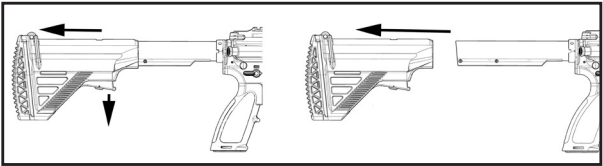


Fig. 52 – Removing Buttstock

The MR762A1 is now operator disassembled (field stripped).

NOTE: Disassembly beyond the above field stripping procedures should only be undertaken by HK certified personnel.

REASSEMBLY (ASSEMBLY) OF THE MR762A1

Tools Needed: MR762A1 Disassembly Tool (located in the Buttstock), 5mm Allen Wrench, Small Straight Slot Screwdriver

1. Lower Receiver:

- a. Check to ensure that the buttstock tightening screw is loose before attempting to install the buttstock. If tight, insert the large tip (3mm hex) of the MR762A1 Disassembly Tool into the tightening screw and rotate (but do not completely remove) counter clockwise.
- b. Two small set screws are located on the bottom of the receiver extension (buffer tube). These set screws are provided to eliminate any play that may develop between the buttstock and the extension. The left hand side of the set screw features a detent surface that engages the buttstock. The right hand surface features a cut to accommodate a small straight slot screwdriver. Rotating the set screws clockwise will tighten the detents to the buttstock; rotating the setscrew counter clockwise will loosen the buttstock. Using a straight slot screwdriver, rotate the set screws clockwise using quarter turns and adjust until the detents engage the buttstock but do not hinder removal or installation (Fig. 53)

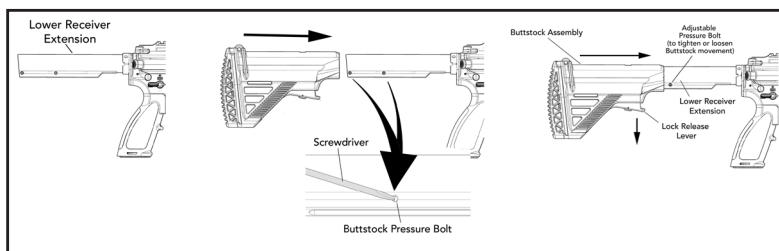


Fig. 53 – Buttstock reassembly

- c. Depress the back of the buttstock release lever allowing the front tab to pivot downwards. Pull down on the front tab until the locking pin is not visible inside the buttstock. Mount the buttstock onto the receiver extension. The buttstock is adjustable for length of pull, with five different settings available to the operator.

WARNING: Ensure that only the proprietary HK buffer and recoil spring (action spring) are installed in the MR762A1. Use of non HK buffers and recoil springs could result in cycling problems and affect the reliability of the MR762A1 (Fig. 54).

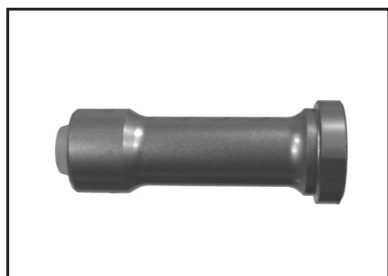


Fig. 54 – HK MR762A1 Proprietary Buffer

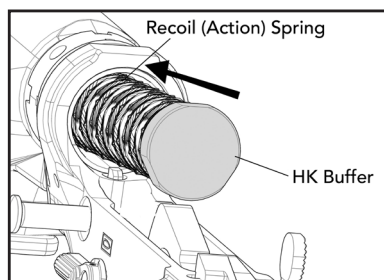


Fig. 55 – Installing buffer & action spring

- d. Ensure that the hammer is in the down (cocked) position before attempting to install the buffer and action spring. Mount the action spring onto the buffer and insert the buffer and spring into the receiver extension. Push back on the buffer far enough until the buffer is retained by the spring loaded buffer detent (Fig. 55).

2. Upper Receiver:

- a. Install the gas piston into the back of the gas block. The piston rings need not be staggered prior to installation (Fig. 56).

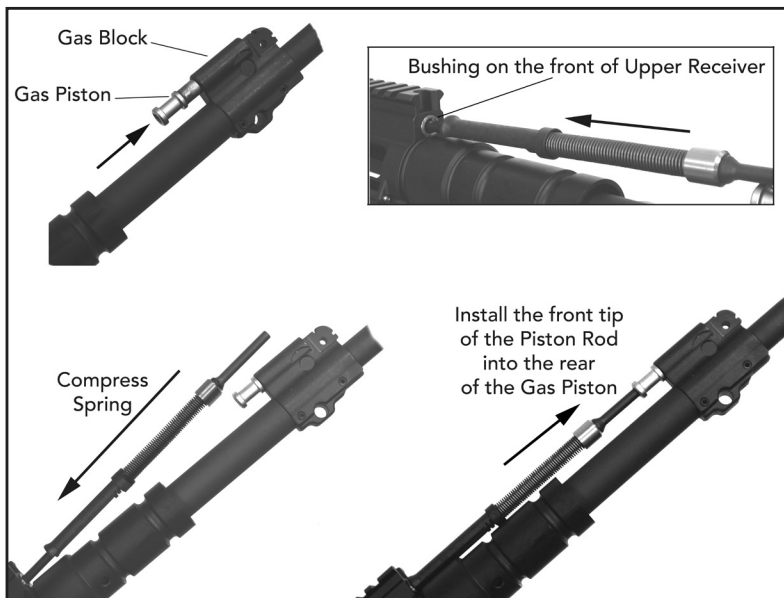


Fig. 56 – Reinstalling the Gas Piston and the Piston Rod

- b. Insert the rear of the piston rod into the bushing located at the front of the upper receiver above the barrel nut, compress the spring, and install the front tip of the piston rod into the rear of the gas piston.
- c. Slide the Free Floating Rail System (FFRS-handguard) onto the barrel nut, ensuring that the tongue on the FFRS mounts into the groove on top of the upper receiver. Once the FFRS is flush with the upper receiver, drift in the captive FFRS retaining screw. Insert a 5mm hex wrench into the retaining screws and rotate clockwise until hand tight.

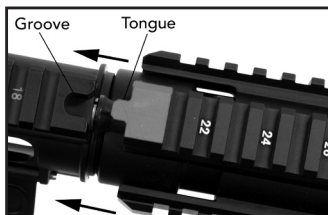


Fig. 57 – Reinstalling the FFRS handguard

3. Bolt Assembly:

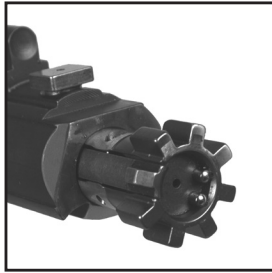


Fig. 58 – Bolt Assembly viewed from bolt face

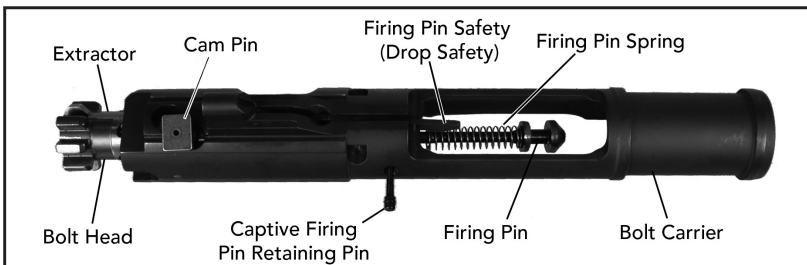


Fig. 59 – Bolt Assembly components

- a. Slide the bolt head into the bolt carrier until the circular mounting surface for the cam pin on the bolt heads aligns with the front of the raceway on the bolt head carrier. Pointed down range, the extractor should be on the right hand side of the bolt carrier and ejectors should be on the left (Fig. 60).

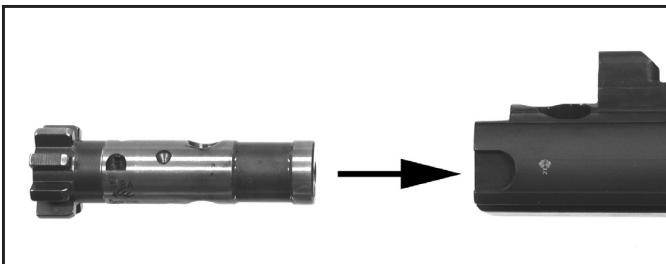


Fig. 60 – Bolt Carrier reassembly

NOTE: The bolt head on the MR762A1 features a tapered mounting surface for the cam pin. This feature ensures that the bolt must be properly positioned in the bolt carrier before attempting to install the cam pin.

- b. Insert the cam pin into the shaft of the bolt carrier, ensuring that the hole for the firing pin on the cam pin is aligned with the firing pin tunnels on both the bolt head and bolt carrier (Fig. 61).

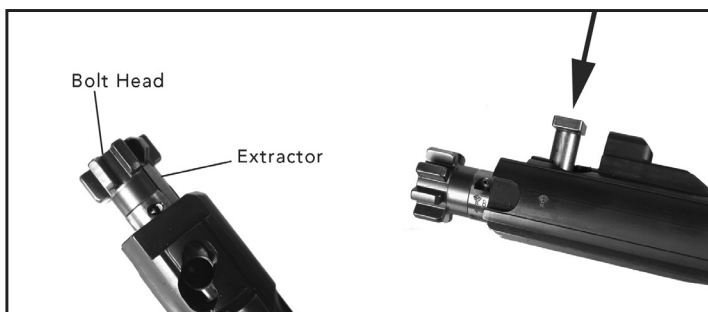


Fig. 61 – Bolt Carrier reassembly

- c. Ensure that the captive firing pin retaining pin is drifted completely out to the left hand side of the bolt carrier. Insert the firing pin spring onto the firing pin, pivot upwards on the spring loaded firing pin safety, and insert the firing pin and spring into the bolt carrier's firing pin tunnel until the firing pin reaches its limit of forward travel (Fig. 62).

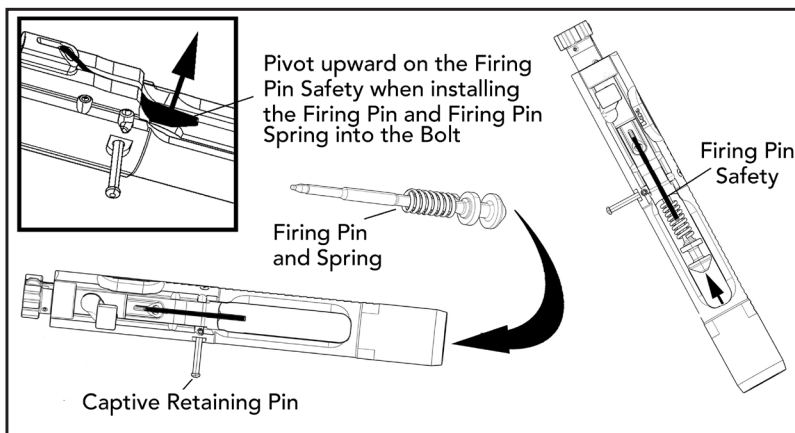


Fig. 62 – Installing the Firing Pin

- d. While maintaining forward pressure on the back of the firing pin, drift the firing pin retaining pin from left to right.
- e. Ensure that the firing pin retaining pin is properly installed by pivoting upwards on the firing pin safety while pushing backwards on the bolt head. The firing pin should be retained inside the bolt carrier (Fig. 63).

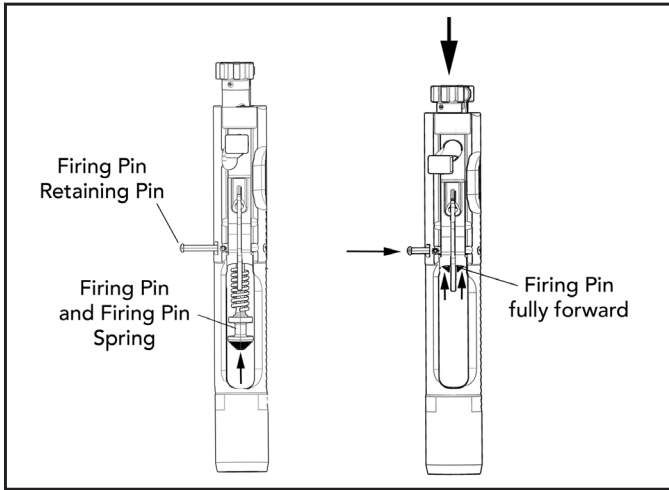


Fig. 63 – Firing Pin Retaining Pin Installation

- f. Turn the upper receiver upside down, insert the charging handle into the upper receiver, align the lugs on the outsides of the charging handle with the recesses on the inside of the upper receiver then press down until the charging handle is flush with the inside of the receiver then press slightly forward (Fig. 64).

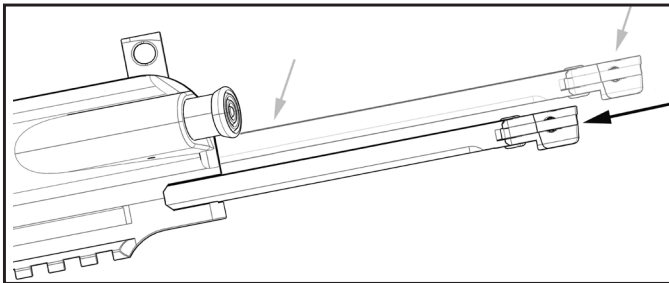


Fig. 64 – Charging Handle Installation

- g. With the upper receiver and charging handle upside down, install the bolt assembly onto the bottom of the charging handle ensuring that the bolt carrier's anvil and the top of the cam pin are centered in the bottom cavity of the charging handle (Fig. 65).

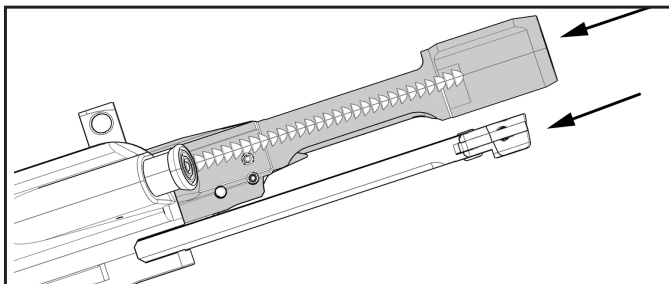


Fig. 65 – Installing the bolt assembly into the upper receiver

- h. Push the charging handle and bolt group completely into the upper receiver until the locking lugs on the bolt head engage the locking on the barrel extension and the latch on the charging handle engages the oval locking surfaces on either the left or right hand sides of the upper receiver (Fig. 66).

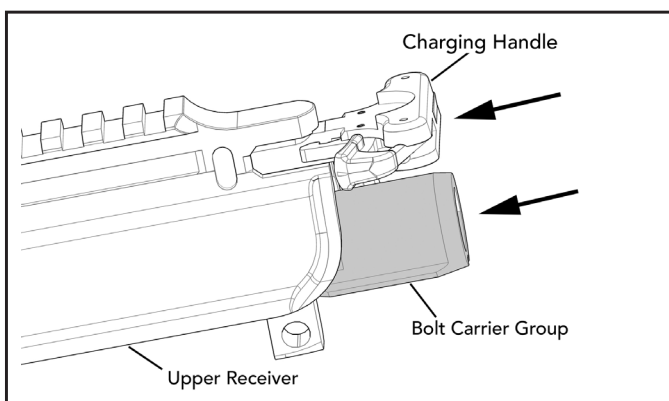


Fig. 66 – Completing installation of the bolt assembly into the upper receiver

4. Upper and Lower Receivers:

WARNING: Always use the Disassembly Tool to disengage the detents on both the rear takedown pin and the front pivot pin. To Disassemble the LRP use the small allen wrench in the provided tool kit. Attempting to install the pins without disengaging the detents could lead to damage of the lower receiver.

- a. Ensure that both the captive front pivot pin and rear takedown pin are drifted out to the right hand side of the receiver. If necessary, use the small surface of the MR762A1 disassembly tool.
- b. Place the upper receiver pointed downwards with the flash hider resting on a padded surface.
- c. Mount the lower receiver to the upper receiver. Drift the front pivot pin from right to left. The pivot pin will not completely lock but it will engage the upper receiver (Fig. 67).

- d. Insert the small tip of the disassembly tool into the spring loaded detent located in the center of the pivot pin. While pushing on the disassembly tool, drift the pivot pin from right to left until the pivot pin reaches its limit of lateral travel. The tip of the pivot pin should be visible on the left hand side of the lower receiver (Fig. 68).

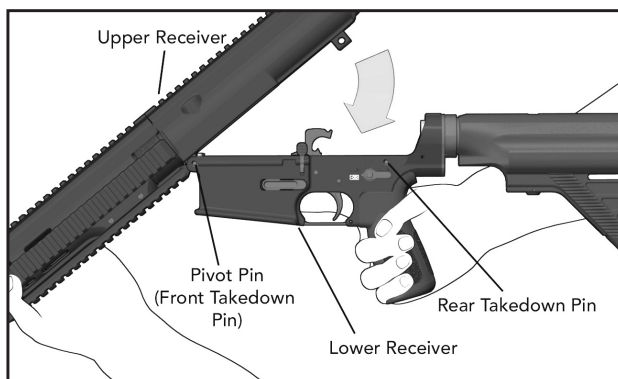


Fig. 67 – Closing Upper and Lower Receiver

- e. Insert the small tip of the disassembly tool or small allen wrench in LRP tool kit into the spring loaded detent located in the center of the rear takedown pin. While pushing on the disassembly tool, drift the rear takedown pin from right to left until the rear takedown pin reaches its limit of lateral travel. The tip of the rear takedown pin should be visible on the left hand side of the lower receiver.

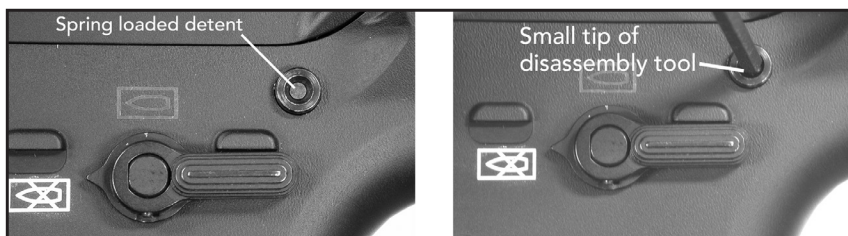


Fig. 68 – Detail of the rear Takedown Pin showing spring loaded detent.

- f. Install the disassembly tool into the storage channel located at the back of the buttstock.
- g. Mount the recoil pad onto the back of the buttstock with the recoil pad perpendicular to the buttstock. Ensure that the recoil pad is flush with the buttstock and rotate the recoil pad clockwise one quarter turn until the recoil pad engages the locking surfaces located on both the top and bottom of the buttstock.

FUNCTION CHECK

WARNING: Always ensure the MR762A1 is unloaded prior to attempting to perform a function check.

NOTE: The MR762A1's selector lever can be placed on safe regardless of the position of the hammer. Legacy AR15/M16 platforms and many of their large caliber counterparts (7.62 x 51 mm/.308 caliber) require that the hammer be cocked prior to attempting to place the firearm on "SAFE".

FUNCTION CHECK PROCEDURE

1. Perform clearing procedure (see above) and ensure selector lever is set on "Safe".
2. Place the muzzle in a safe direction and rack the bolt to the rear three or four times in quick succession by using the charging handle. The bolt should not bind when traveling back and forth in the receiver.
3. "SAFE": Let the bolt go forward and completely go into battery. With an unloaded MR762A1 and the muzzle in a safe direction, ensure the selector lever is set on "Safe" and attempt to pull the trigger. The hammer must not fall.
4. "SEMI-AUTOMATIC": Rotate the selector lever to "Semi-Automatic" (Single Shot) and with an unloaded MR762A1 and the muzzle in a safe direction, attempt to pull the trigger and hold to the rear. The hammer must fall.
5. While maintaining pressure on the trigger, rack the bolt and release. The hammer should be held by the disconnect.
6. Release the trigger. The hammer should be caught by the sear as signified by a metallic click. Release the trigger completely and re-engage the trigger. Hammer must fall.
7. Insert an empty magazine into the magazine well and pull back on the charging handle. The magazine follower should engage the bolt catch and lock the bolt to the rear on an empty chamber.
8. Remove the magazine and allow the bolt to go into battery, either by depressing the bolt catch or by pulling the charging handle slightly back towards the rear and then releasing.
9. Ensure that the MR762A1 is unloaded, place the muzzle in a safe direction and pull the trigger to ease the tension on the trigger spring.
10. Place the selector lever back on "Safe" and snap the dust cover into position over the ejection port.

MAGAZINE DISASSEMBLY

CAUTION: Parts are under considerable spring pressure. Wear safety goggles and point the base of the magazine housing in a safe direction when disassembling or assembling. Read the complete procedure before attempting to disassemble the magazine.

To disassemble the magazine for cleaning or inspection, push in the locking plate button (located in a hole in the magazine floorplate) with a finger, cleaning rod, cartridge, or similarly shaped object. As you depress the locking plate through the floorplate hole, push the floorplate towards the rear of the magazine housing (Fig. 69). Once the floorplate is clear of the magazine housing; the locking plate, spring, and magazine follower can easily be removed. Take note as to the arrangement of these parts for reassembly (Fig. 70). For cleaning purposes, it is not necessary to disassemble the follower and locking plate from the spring. Both 20 and 10-round magazines are disassembled and reassembled in the same matter.



Fig. 69 – Magazine Disassembly

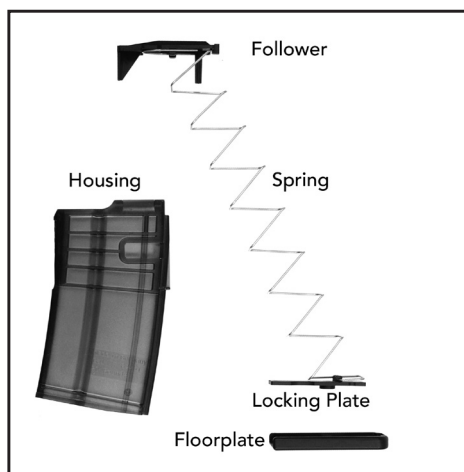


Fig. 70 – Magazine Components (20 round shown)

ASSEMBLY (HK MAGAZINE)

To assemble the magazine, use the reverse sequence used for disassembly. If magazine was cleaned, ensure that it is properly lubricated prior to assembly. Attach the follower and locking plate to the spring and slide the follower into the magazine housing (it will only assemble in one direction, do not force it). Push the locking plate down into the housing enough so that the floorplate can be slid back onto the magazine housing. Ensure that the locking plate button is secure in the floorplate hole.

Check the function of the magazine by tapping it on your hand. Also check the function of the follower, for free movement by depressing it with the cleaning rod. Lastly check the secure attachment to and fit of the magazine in the rifle.

CAUTION: It is possible to improperly load the cartridges if the guide is not positioned correctly, the rim of the cartridge could possibly get caught in the rear groove. Constantly check spring tension in between stripper clips. Unload magazine if in doubt. Replace the stripper clip guides regularly as they wear with use.

Using thumb pressure on the rear of the top cartridge, press down firmly until all ten rounds are below the feed lips of the magazine. Remove the empty stripper clip while holding the stripper clip guide in place. Repeat until the magazine is full. Remove stripper clip guide and retain it for future use.

NOTE: Do not slam the magazine on a table or a fixed hard surface during filling or damage to the feed lips may occur. Instead apply gradual pressure to accomplish this task.

NOTE: Protect the magazines from drop-induced damage on hard surfaces (concrete, metal, etc.). Many weapon stoppages begin in feed devices that are not properly cared for or that are abused unnecessarily.

MODULAR RAIL SYSTEM (MRS) HANDGUARDS

Developed by the HK-USA engineering & design staff, the Modular Rail System (MRS) provides MR series and HK417/HK416 rifles with a mission flexible, easy-to-modify, ergonomic handguard. The HK MRS handguard allows the shooter to place individual rail segment components and accessories anywhere along the length of the seven free sides of the forearm using the slotted interface. Two integral quick detachable sling attachment points are located on the left and right side of the MRS, just forward of the receiver.

Relevant features:

- Proprietary HK system provides a more solid lock over other keymod designs
- Rail segments can be installed in series with the gap between being equal to the distance of a normal MIL-STD-1913 (Picatinny) rail slot
- 10 mm longer spacing between locking locations for greater support of rail segments
- Orientation of the locking slots provide optimal holding strength against frontal impact, while moving forward — including the pressure exerted from bipods, muzzle down weapon drop, and when accessories are mounted to the slots
- All rail segment hardware is captured with no loose parts
- Dual taper locking screws make dismounting and remounting of the rail segments repeatable within < 1 MOA
- “Taper-in-taper” rail segment mounting design remains tight under weapon shock, heating and cooling, and transport vibration

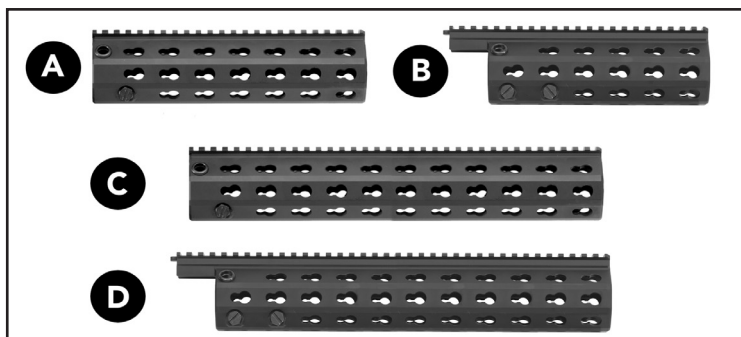


Fig. 71 – HK Modular Rail System (MRS) handguards: (A) 9 inch-5.56 mm, (B) 9 inch-7.62 mm, (C) 14 inch-5.56 mm, (D) 14.7 inch-7.62 mm

INSTALLING/REMOVING MRS HANDGUARDS

Installing and removing the 556 and 762 Modular Rail System handguards is essentially the same, regardless of the handguards' length, the primary difference is 762 handguards have two locking screws, 556 handguards only have one.

NOTE: 762 and 556 MRS handguards are not interchangeable. 556 MRS models will not fit on 7.62 mm rifles, 762 MRS models will not fit on 5.56 mm rifles.

1. With the locking screw(s) removed, slide the handguard over the barrel until it engages the barrel nut. Be sure no mechanical sights are installed on the gas block to interfere with sliding the MRS into position (Fig. 72, 73).

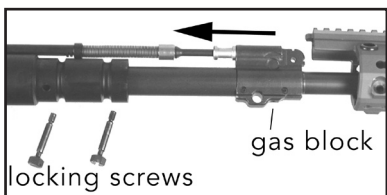


Fig. 72 – Sliding the MRS onto the barrel

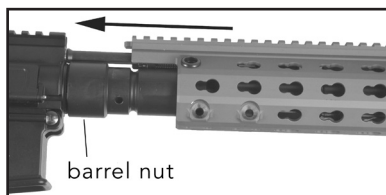


Fig. 73 – Slide the MRS over the barrel nut

2. Tighten the locking screws. The 11 mm ($7/16"$) hex screws allow a variety of wrenches or screw drivers to be used for installation or removal. **DO NOT OVERTORQUE.** (Fig. 74 & 75)

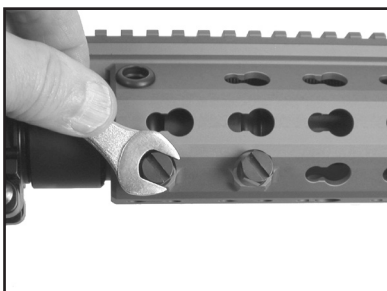


Fig. 74 – Tightening the locking screws

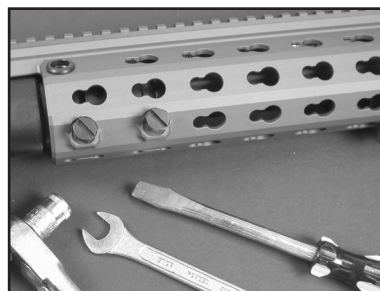


Fig. 75 – A variety of wrenches or screw drivers can be used.

3. To remove MRS handguards, reverse the installation procedure.

INSTALLING RAIL SEGMENT & OTHER COMPONENTS

1. Position the rail segment or component (Fig. 76) in the desired location on the slotted keyhole interface of the MRS and push in and slide to the rear, allowing the flared shaped shaft of the captive hex (Allen) screws to hold the segment or component in position (Fig 77 - 79).
2. Using a 2.5 mm hex (Allen) wrench, turn the screws until tight (Fig. 80). **DO NOT OVERTIGHTEN.**
3. Mount accessories to the Picatinny rail segment.

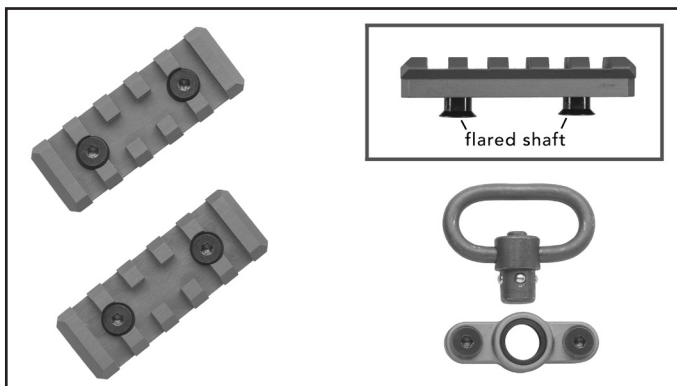


Fig. 76 – Rails segments and quick detachable sling hardware components

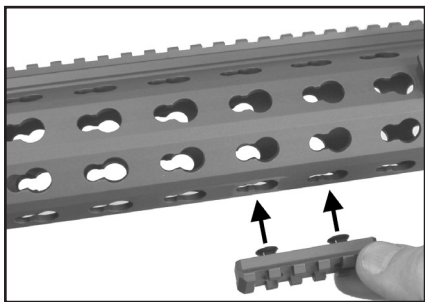


Fig. 77 – Position rail segment

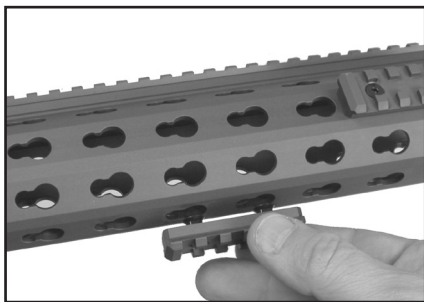


Fig. 78 – Push into slotted keyhole interface

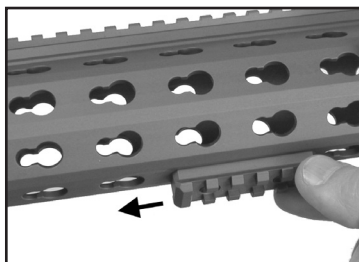


Fig. 79 – Slide to rear

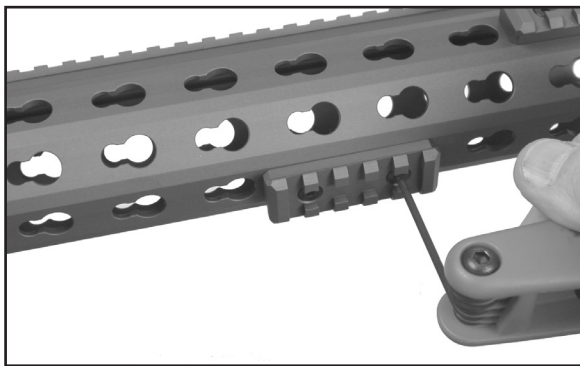


Fig. 80 – Tighten the screws using a 2.5 mm hex (Allen) wrench



Fig. 81 – MRS handguard with mounted rail segments



Fig. 82 – MRS handguard mounted on rifle

SIGHT INSTALLATION

Sights and other accessories can be attached to the top (Picatinny rail) portion of the MRS handguard in the normal fashion.

REMOVAL

To remove the rail segments and other components, simply reversing the procedure will be adequate.

Cleaning of the MR762A1

There are no special requirements, cleaners, or lubricants required for cleaning the MR762A1. The standard HK cleaning kit that is used for all 7.62 mm HK rifles may be used for this firearm. Cleaning may be completed using dry cleaning solvent, bore cleaner, wiping with a cloth or an all-purpose nylon brush. Using these guidelines will determine which applies. Cleaning materials are pipe cleaners, swabs, all-purpose nylon brush and rags.

NOTE: If a solvent is used for cleaning, ensure all residual solvent is removed after cleaning, and then a coat of lubricant must be applied for protection against rust and the elements. Dry cleaning solvent may be used to completely remove lubricants. For example, when using the rifle in extreme cold weather, dry cleaning solvent may be used to remove traces of heavy lubricants before applying LAW. The following lubricants (or their commercial equivalents) can be used: TW25 B, Shooter Choice, LSA, LAW, or OX24.

Use solvents as follows:

1. Place a few drops on a swab or rag.
2. Clean the firearm with these swabs and rags until they come out clean.
3. Thoroughly purge all surfaces when solvents were applied.
4. Lubricate well in accordance with manufacturers' recommendations.

CAUTION: Don't "dry clean" your firearm.

General Cleaning is required under normal conditions and the following procedures apply.

1. Always clean after firing, after the firearm is wet or in adverse weather conditions. Remove areas of powder fouling, debris and grit, corrosion and dirt. Clean the bore with a bore brush and a cable cleaning rod. Pull the brush from the chamber to the muzzle. Complete this several times with bore cleaner and let soak several minutes if time permits. Clean the chamber with the chamber brush and a solid cleaning rod handle. Rotate the chamber brush with bore cleaner by pushing and twisting and also let it soak for several minutes while the upper receiver, piston, piston rod and bolt carrier assembly are cleaned with the all purpose brush using bore cleaner. Wipe excess cleaner off with a rag and then run several patches through the bore with the cable rod from the chamber to the muzzle until there is no residue on the patch.
2. Use an all purpose nylon brush or swab and apply a light coat of lubrication with a clean swab to all the metal surfaces, including the bore, the locking lugs in the chamber and on the bolt. A drop of oil should be placed on the ejector, extractor, cam pin, trigger pin, hammer pin, charging handle spring and forward assist.
3. If the firearm has been disassembled, then all parts should be thoroughly **cleaned** and lubricated before assembly. This is the best time to inspect all the parts before assembly.

LUBRICATION

All firearms require proper lubrication to function as designed and the MR762A1 is no exception. Absence of lubrication may impede the operation of the MR762A1, particularly in load-bearing or friction contact areas. Excessive lubrication may also cause function problems by acting as a magnet for dirt, grit, sand, and fouling. Many high quality, medium weight lubricants (oils) specifically designed for use on firearms, including those cited earlier will work well on the MR762A1. Do not use lubricants that boast of their ability to penetrate metal as these substances may deaden cartridge primers.

UPPER RECEIVER

Apply a light coat of a suitable lubricant to the interior of the upper receiver, bore and chamber, barrel nut, outer surfaces of barrel, barrel nut, front sight, surfaces under handguard and forward assist.

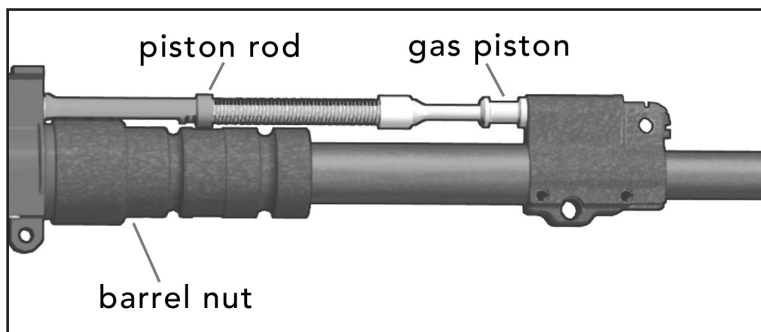


Fig. 83 – Lubrication of the MR762A1 Bolt Carrier Assembly

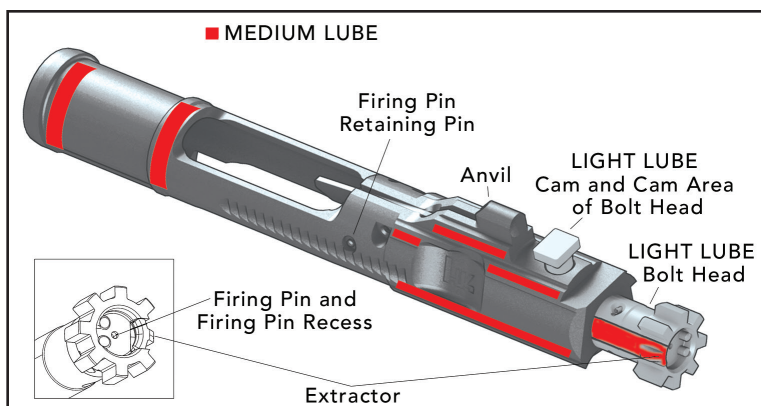


Fig. 84 – Lubrication of the Gas Piston, Piston Rod, and Barrel Nut Exterior

1. Apply a medium coat of lubricant on the gas piston and operating rod (Fig. 83)
2. Apply a light coat of lubricant to the extractor pin, the firing pin, firing pin spring, firing pin recess in the bolt. Apply a medium coat of lubricant to the red areas (Fig 84).
3. Apply a medium coat of lubricant to the extractor (Fig. 84).

4. Apply a light coat of lubricant to the exterior of the bolt carrier, outside of the firing pin retaining pin, cam pin, and bolt head. Pay special attention to cam pin area inner and outer surfaces of bolt carrier, anvil, and bolt head's locking lug.
5. Apply a medium coat of lubricant to the interior and exterior surfaces of the charging handle (Fig. 85).

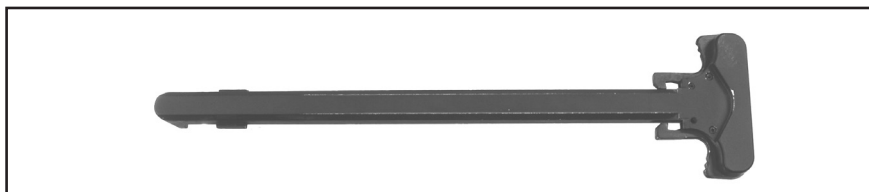


Fig. 85 – Lubrication of MR762A1 Charging Handle

LOWER RECEIVER ASSEMBLY

1. Apply a light coat of lubricant to the exterior of the receiver and receiver extension (buffer tube), interior of the exterior metallic surfaces, exposed pins, and magazine springs.
2. Apply a medium coat of lubricant to takedown pins, pivot pins, detents, inside the buffer extension tube, buffer detent pin, springs inside the lower receiver, trigger mechanism, hammer, disconnecter, and sear inside the lower receiver.
3. Apply a medium coat of lubricant on the (recoil) action spring, buffer.

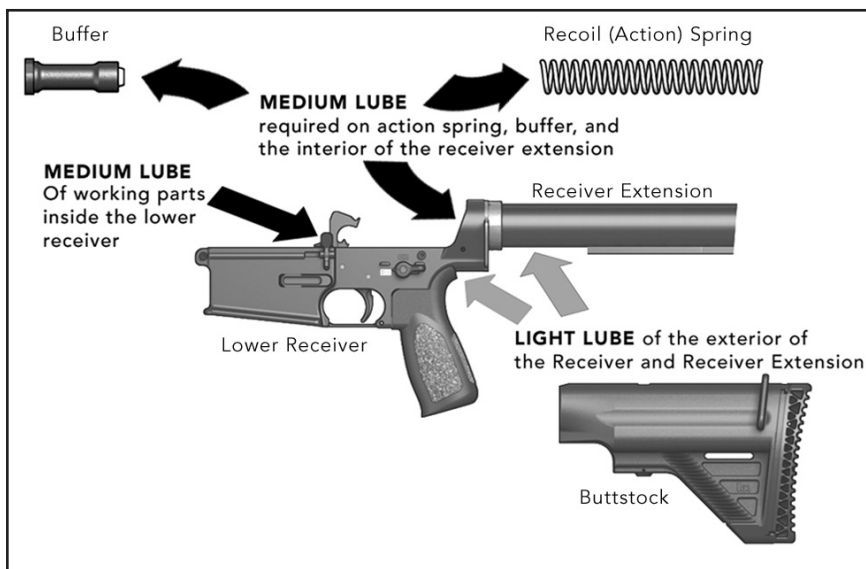


Fig. 86 – Lubrication of MR762A1 Lower Receiver Assembly

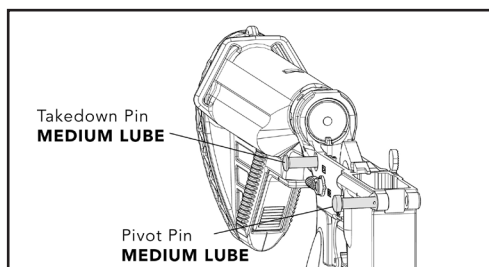


Fig. 87 – MR762A1 Buttstock Assembly

LUBRICANT GUIDE

Light Lubrication — A film of lubricant barely visible to the eye.

Medium Lubrication — A layer of lubricant visible to the eye and that can be spread with a finger.

Heavy Lubrication — Heavy enough so that it can be spread with a finger and will almost drip from the component.

Fig. 88 – MR762A1 Lubricant Guide

LUBRICATION SUMMARY

NO Lubrication: (surface is dry and not slippery to the touch)

- Plastic or rubber components
- Sling webbing
- Optics

LUBRICATION

- Gas Piston and Gas Cylinder,
- Buffer and recoil spring
- Bolt, Bolt carrier, Cam pin and Firing Pin Safety
- Extractor
- Ejector
- Barrel extension
- Bore, chamber, locking surfaces of the chamber and bolt lugs
- Receiver take down and pivot pin
- Hammer, trigger, disconnecter springs and selector lever in trigger group
- Piston rod
- All metal parts and/or any area where metal contacts metal.

Magazine Cleaning

There are no special requirements, cleaners, or lubricants for cleaning MR762A1 magazines. The standard cleaning equipment that is used for the rifle may be used for these magazines. Refer to the care and cleaning section of this operator's manual for more detailed information. Do not use metal bristle (brass or steel) or wire brushes to clean the magazine components as scratches or other damage may occur to the protective qualities of the surface finish.

Cleaning may be completed using dry cleaning solvent, bore cleaner, wiping with a cloth or an all purpose nylon brush. Using these guidelines will determine which applies. Cleaning materials are pipe cleaners, swabs, all purpose nylon brush and rags.

NOTE: If cleaning is completed using a solvent, then a coat of lubricant must be applied for protection against rust and the elements. Dry cleaning solvent may be used to completely remove lubricants. For example, when moving to extreme cold weather operations, dry cleaning solvent may be used to remove traces of standard lubricants before applying a cold weather lubricant like "LAW."

A variety of high quality lubricants, including some generic "cleaner, lubricant, and preservative" solutions, LSA (Lubricant, Small Arms) or LAW (Lubricant, Arctic Weather) — and their commercial equivalents can be used on HK MR762A1 magazines.

CAUTION: Don't "dry clean" your magazines. Do not use hot water or other solvents or you could inadvertently wash away Teflon lubricant that has been building up as a result of your using some cleaning, lubricant, and preservative solutions. Rifle Bore Cleaner (RBC) may be used on HK magazines to remove carbon.

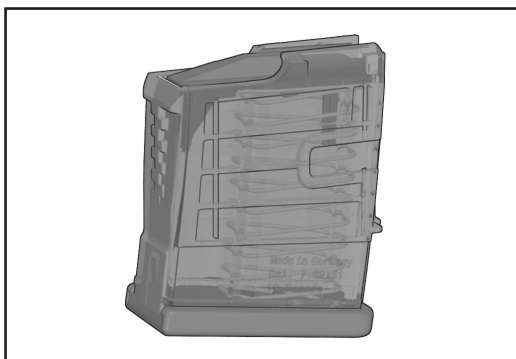


Fig. 89 – MR762A1 Magazine

General cleaning is required under normal conditions and the following procedures apply:

1. Always clean after firing, after magazine is wet or in adverse weather conditions. Remove areas of powder fouling, debris and grit, corrosion and dirt.
2. If magazine is assembled, clean carbon off of follower and feed lips with the all purpose nylon brush or swab and apply a light coat of lubrication with a clean swab.

If the magazine has been disassembled, then all parts should be thoroughly cleaned and lubricated before assembly.

NOTE: Do not mix lubricants on the same magazine. The magazine must be thoroughly cleaned during the change from one lubricant to another. Dry cleaning solvent is recommended for cleaning during the change from one lubricant to another.

Lube guide

Under all but the coldest Arctic conditions, normal high quality lubricants can be used on your magazine. Between +10 degrees F (-12°C) and -10 degrees F (-23°C) either normal high quality lubricants or LAW may be used. Below -10 degrees F (-23°C) use LAW.

Inspection

A visual inspection is recommended each and every time you clean a magazine, the magazine is disassembled, or a problem exists that could be magazine related. The following are guidelines that can help in identifying and solving magazine related problems.

Many problems are very often related to incorrect operator use or maintenance, faulty ammunition and/or problems in the weapon. These areas should be checked for problems at the same time the magazine is inspected. If the same problem exists with more than one magazine, then more than likely it is a rifle, operator, or ammunition problem. When problems do occur, mark/identify the suspect magazine with a tag or paint/grease pen and use the following as a guideline. Check for proper assembly. Inspect overall function of follower (free movement), locking tabs, dents, cracks, etc.

1. Housing: Inspect feed lips for dents and proper spacing, sides for dents, magazine catch area for worn surfaces or dents, cracks, etc.
2. Follower: Inspect for free movement inside of housing, dents, cracks and deformities.
3. Spring: Inspect for bends, cracks, weak tension.
4. Locking Plate: Inspect for worn or broken tabs. It should retain floor plate and stay securely attached to the spring.
5. Floor plate: Inspect for bends, cracks and correct fit of the locking tabs into the locking recess of housing.
6. Rubber bumper: Insure bumper retains floor plate into housing when assembled and there are no signs of extreme wear.

If any problems are identified, repair or replace as necessary.

SECTION 10 — TROUBLESHOOTING PROBLEMS AND REPAIR

This section contains operator level troubleshooting information for locating and correcting most of the operating troubles which may develop in the MR762A1 Series. Each malfunction for the individual part or assembly is followed by a list of tests or inspections which will help you to determine the corrective actions in the order listed. This manual cannot list all malfunctions that may occur, or all tests or inspections and corrective actions.

If a malfunction is not listed or is not corrected by listed corrective actions, please contact Heckler & Koch Customer Service staff. The symptom index is provided for a quick reference of the malfunctions covered in the table. The MR762A1 must always be treated as if loaded until the stoppage has been cleared. The following list does not include all potential causes and/or corrective actions. Other causes than those indicated below may be encountered.

Malfunction	Probable Cause	Corrective Action
Failure of magazine to lock in rifle.	Dirty or corroded magazine catch.	Disassemble and clean.
	Worn or broken magazine catch.	Contact HK certified armorer.
	Defective magazine catch spring.	Contact HK certified armorer.
Failure to feed.	Short recoil.	Refer to short recoil.
	Magazine catch out of adjustment (will not retain magazine).	Contact HK certified armorer.
	Magazine catch spring weak or broken.	Contact HK certified armorer.
	Magazine catch defective. Magazine improperly filled.	Contact HK certified armorer. Remove rounds and reinsert
Failure to chamber.	Short recoil.	Refer to short recoil.
	Weak or broken recoil spring.	Contact HK certified armorer.
Failure to lock.	Improperly assembled extractor spring assembly.	Assemble correctly.
	Bolt cam pin missing.	User should replace.
	Bent piston rod.	User should replace.
	Weak or broken recoil spring.	User should replace.
Failure to fire.	Carbon buildup in firing pin recess inside bolt assembly.	Remove firing pin & clean recess with pipe cleaner. Refer to operator's manual under cleaning.
	Broken or chipped firing pin.	Contact HK certified armorer.
	Broken, defective, or missing firing pin retaining pin.	Contact HK certified armorer.
	Firing mechanism and/or lower receiver improperly assembled or has worn, broken, or missing parts.	Contact HK certified armorer.

Malfunction	Probable Cause	Corrective Action
Failure to unlock.	Short recoil.	Refer to short recoil.
	Burred locking lugs on bolt assembly.	Contact HK certified armorer.
	Burred lugs on barrel extension.	Contact HK certified armorer.
Failure to extract.	Defective extractor pin, extractor, and/or extractor spring assembly.	Contact HK certified armorer.
Failure to eject.	Short recoil.	Refer to short recoil.
	Ejector stuck in bolt body.	Contact HK certified armorer.
	Broken ejector.	Contact HK certified armorer
	Weak or broken ejector spring.	Contact HK certified armorer
Failure to cock.	Short recoil.	Refer to short recoil.
	Worn, broken, or missing parts of firing mechanism.	Contact HK certified armorer
Short recoil.	Unlubricated or dirty recoil spring and receiver extension.	Clean and lubricate.
	Broken or damaged recoil spring.	Contact HK certified armorer
	Worn, missing, or broken piston rings.	Contact HK certified armorer
Rifle cannot be zeroed.	Loose front/rear sight base.	Tighten bases down.
	Defective rear sight assembly.	Contact HK certified armorer
	Defective front sight.	Contact HK certified armorer
	Defective barrel assembly. Barrel assembly out of alignment with rear sight assembly on upper receiver. Loose barrel.	Contact HK certified armorer
Fires with selector lever on SAFE or when trigger is released with selector lever on SEMI-AUTO	Worn, broken, or missing parts of firing mechanism.	Contact HK certified armorer

SECTION 11 — MR762A1 LONG RIFLE PACKAGE

The MR762A1 LRP III is the standard Heckler & Koch MR762A1 rifle equipped with essential accessory components enabling them to function as enhanced “long rifle” precision shooting packages. The LRP III accessory packages are shown in the illustrations below and include the following:

1. Explore Case with custom foam insert
2. HK G28 adjustable buttstock, buffer extension tube, with G28 castle nut
3. Magpul K2 pistol grip
4. Larue Tactical-Harris Bipod (BRM-S) with LT706 Quick Detach mount
5. Blue Force Gear Rail Mount Fixed Loop (RMFL) “Sling Rail Adaptor”
6. Blue Force Gear Vickers Combat Sling VCAS-125-AA-CB
7. Vortex Viper PSTII 3-15x44 FFP MRAD
8. Spare HK MR762A1/HK417 magazine
9. HK multitool



*Fig. 90 – MR762A1 Long Rifle Package LRP III in cases
(lid cropped from photo)*

OPERATOR ACCESSORY INSTRUCTIONS

The MR762A1-LRP will be delivered with most items already installed. Some accessories will need to be adjusted on the system based on the operator's desires. Always read and follow the weapon and accessory owner manual and instructions prior to use.

MR762A1 Operation and Maintenance – Follow the MR762A1 operator's manual (pages 5-52 of this booklet) for basic operation, maintenance, and use.

ADJUSTING THE G28 BUTTSTOCK

The HK G28 buttstock is already installed on the rifle. The stock operates the same as the standard MR762A1 buttstock and is also adjustable for micro (fine-tuned) length-of-pull settings and cheekpiece height alteration for optimal use with the scope.

MR762A1 LRP Buttstock Adjustment Procedures

Tools Needed: HK Multi-Function Tool with 3mm and 4mm Allen Wrenches
Small Flat head Screwdriver

1. Ensure the MR762A1 is clear by performing a safety check before attempting to make any adjustments on the buttstock.
2. Adjusting the Length: Coarse Adjustment
The buttstock on the MR762A1 LRP can be adjusted into one of four positions by depressing the serrated bottom portion of the release lever, located underneath the stock, and sliding the stock into the desired position (Fig. 91).

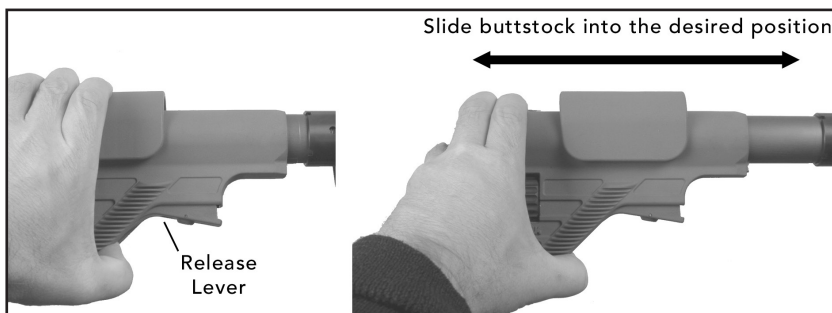


Fig. 91– Coarse adjustment of the buttstock

Tighten the small locking screw clockwise utilizing a 4mm Allen Wrench to eliminate the play between the receiver extension and the butt stock (Fig. 92).

NOTE: The locking screw must be loosened before attempting to manipulate the release lever to readjust the buttstock

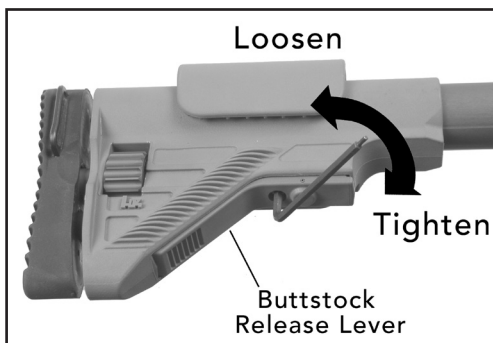


Fig. 92 – Fine adjustment of the buttstock

3. Adjusting the Length: Fine Adjustment (Fig. 93)

Fine adjustments to the length of the buttstock can be accomplished by engaging the ambidextrous vertically mounted retention screw located at the rear of the buttstock. When viewed from the rear, rotating the retention screw clockwise moves the recoil pad to the rear and thus increases the length of pull. Rotating the retention screw counterclockwise moves the recoil pad forward and thus decreases the length of pull. An internal locking mechanism secures the recoil pad in the desired position and thus no further steps are necessary once the proper adjustment has been achieved

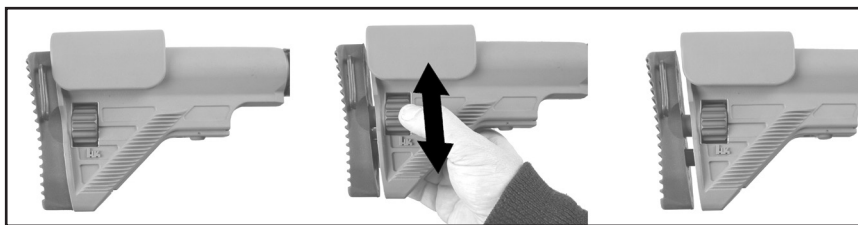


Fig. 93 – Adjusting the Length, Fine Adjustment

4. Adjusting the Height (Fig. 94)

The MR762A1 LRP's buttstock features an adjustable cheek piece that can be raised or lowered. Loosen (but do not remove) the two small set screws located on the left hand side of the cheek piece by rotating counterclockwise utilizing a 3 mm Allen Wrench. Four horizontal reference marks are provided on each screw slot as a visual aid when aligning the cheek piece after adjustment. Tighten the two small set screws clockwise once the desired height of the cheek piece has been obtained.



Fig. 94 – Adjusting the Height

A unique mounting system that secures the cheek piece to a spring loaded locking plate allows the cheek piece to remain stationary in relation to the receiver extension as the entire buttstock is adjusted for length. This feature frees the operator to constantly having to re-adjusting the cheek every time the buttstock is extended or retracted.

5. Miscellaneous Adjustments

A small spring loaded catch bolt, located on the bottom of the receiver extension, can be used to minimize play between the extension and the buttstock while allowing the operator the ability to adjust the length of pull. The buttstock must first be completely removed from the receiver extension by pivoting downwards on the front of the release lever while simultaneously sliding the stock off the extension.

Using a small straight slot screwdriver, rotate the slotted side of the catch bolt clockwise using quarter-turn rotations until play between the two surfaces areas is minimized but still allowing horizontal movement of the buttstock on the extension.

MAGPUL K2 GRIP – The grip is already installed on the weapon. The grip provides a comfortable grip surface well-suited for precision shooting. The special HK Allen wrench tool for use in disassembly/separating the upper receiver from the lower receiver.

BIPOD – Your MR762A1-LRP may already have the bipod attached. The bipod can be moved to your desired location. It is recommended to attach the bipod between the front-end to midway point of the lower Picatinny rail on the Free Floating Rail System of the weapon.

Ensure the locking lever of the Quick Detach mount fits snug enough to hold the bipod in place and not too tight so that the locking lever digs into the rail surface. The locking lever of the mount can be adjusted as per the description below and using the included Larue Tactical tool. For more information, visit www.laruetactical.com.

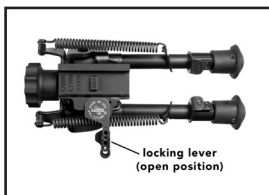
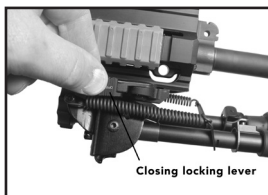


Fig. 95 – Bipod Locking

MODULAR RAIL SYSTEM HANDGUARD – See pages 41-44.

OPTIC – Vortex Viper PSTII 3-15x44 FFP MRAD

Read the Vortex Viper PSTII 3-15x44 FFP MRAD owner's manual for detailed operation, use, and zeroing of the optic and reticle. Additional optic accessory items for your scope can be purchased directly from Vortex.

For more information, visit www.vortexoptics.com.

SLING AND ADAPTOR – The MR762A1-LRP is equipped with a simple and state of the art VCAS sling system made by Blue Force Gear. The sling is one of the most under-used aspects of marksmanship to provide proper support and steady the rifle.

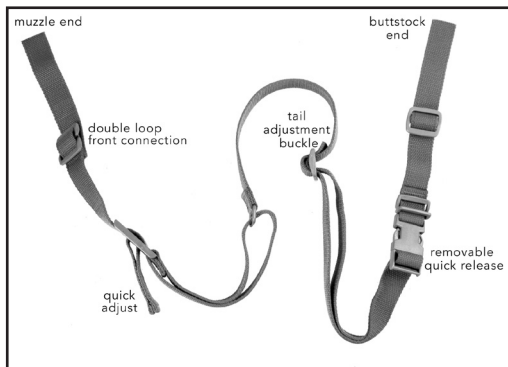


Fig. 96 – Sling Components

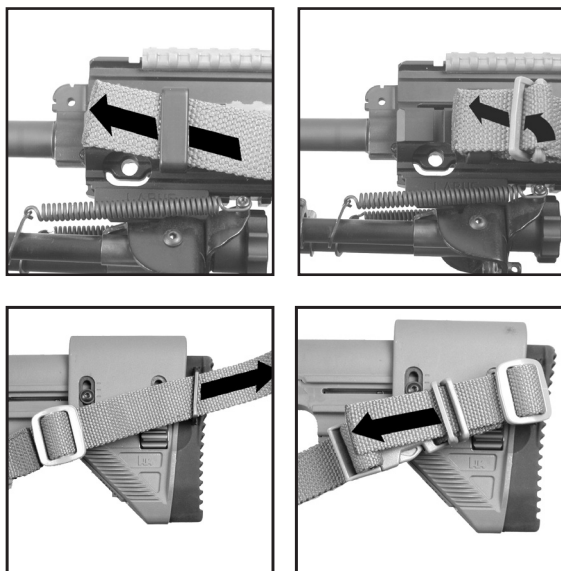


Fig. 97 a,b,c,d – VCAS Sling Installation on G28 Buttstock

To attach the sling start with the buttstock end. Remove the keeper from the sling and slide the sling webbing through the desired location on the buttstock (recommend left side for left hand shooter). With the loose end of the sling webbing showing through the buttstock, re-attach the keeper as a locking device.

Attach the sling rail adaptor (RMFL) to the Free Floating Rail System by removing the screw in the RMFL and sliding the adaptor over the Picatinny rail to the desired location. Re-install the screw to hold it in place. Recommend having the screw in the top position and recommend locating the sling adaptor on the left side for a right-handed shooter at about the midway point of the rail system.

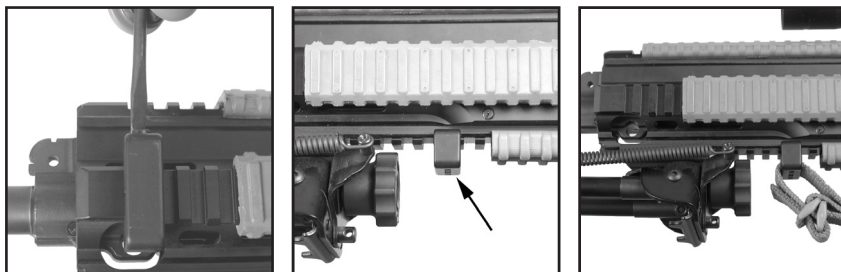


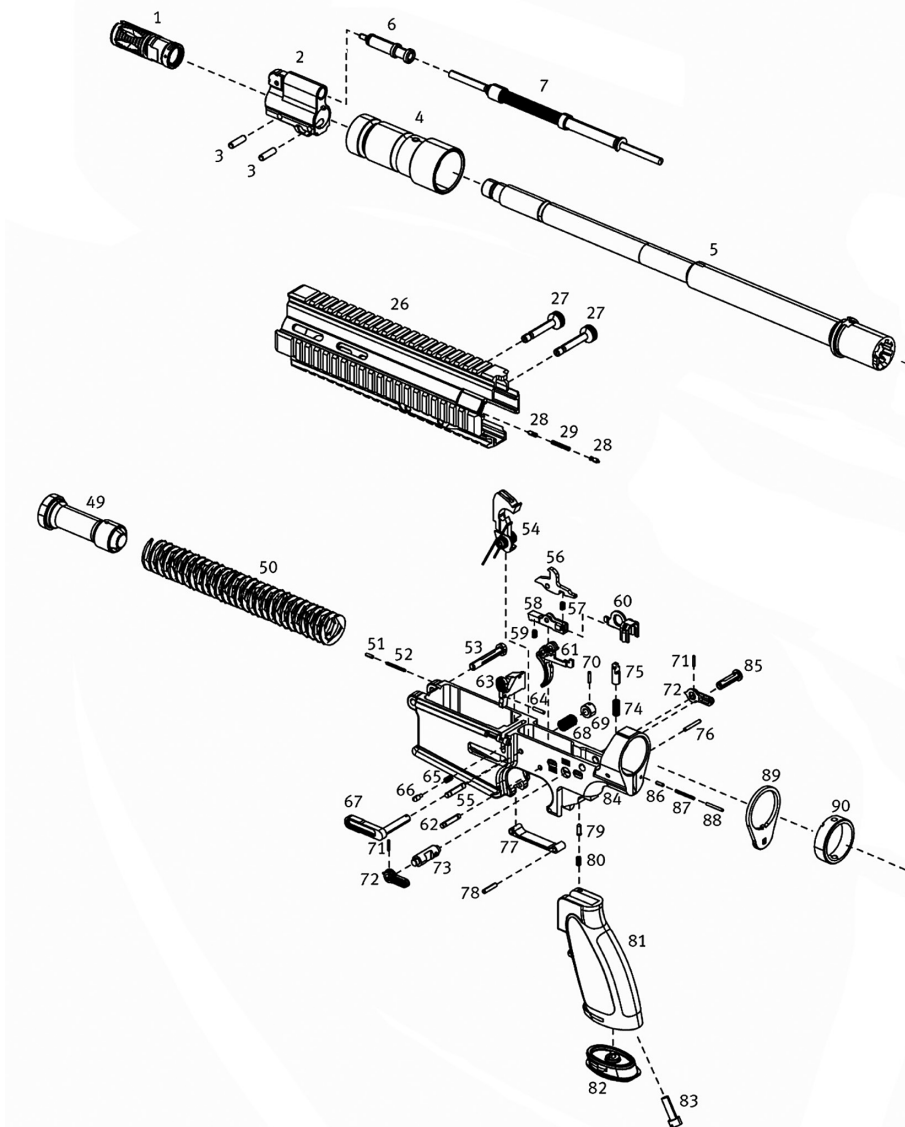
Fig. 98 a,b,c – Sling hardware installation

For target shooter who will be using the sling as a primary means of support then recommend attaching the sling adaptor to the bottom of the rail at the midway point.

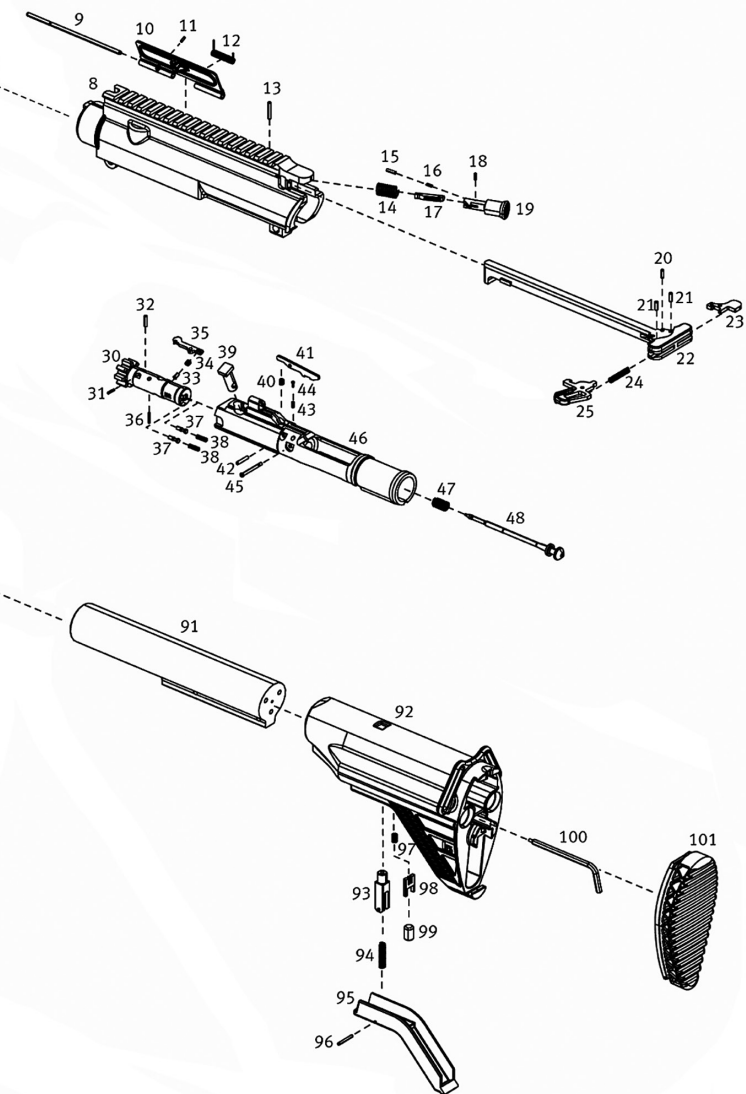
Thread the loose sling webbing of the muzzle end of the sling through the sling adaptor and tighten. For more information, visit www.blueforcegear.com.

For additional information on MR762A1 LRP/ LRP II configuration and maintenance recommendations, including any service bulletins, please contact HK customer service at cs@heckler-koch-us.com or call 706-701-5554.

SECTION 12 — EXPLODED DIAGRAM AND PARTS LIST (BASE MR762A1 ONLY)



MR762A1 Standard Model depicted, for more information on MR762A1 Long Rifle Package unique parts, contact HK-USA Customer Service.



PARTS LIST (FOR EXPLODED DIAGRAM, PAGES 62-63)

Item	Description	Part Number	Item	Description	Part Number
MR762 A1 (Item 1 - 101)		235974	60	Bridge	50203593
—	Upper receiver, compl. (Item 1 - 19)	235993	61	Trigger	50235732
—	Barrel MR762 16.5", compl. (Item 1 - 5)	51001065	62	Axle for trigger	50227886
1	Flash hider, compl.	51001066	63	Bolt catch/release	50223785
2	Gas block	50235880	64	Clamping sleeve for bolt catch/release	50979292
3	Clamping sleeve for gas block (2x)	50978330	65	Pressure spring for pressure pin	50233132
4	Barrel nut	50233791	66	Pressure pin	50233131
5	Barrel MR762 16.5", assembled	51000050	67	Magazine catch	50227689
6	Gas piston, compl.	50205381	68	Pressure spring for retainer	50233716
7	Rod, compl.	50203648	69	Retainer for magazine catch	50233793
8	Upper receiver, assembled	235984	70	Clamping sleeve for retainer	50928077
9	Axle for cover	50233787	71	Clamping sleeve for safety lever (2x)	50984199
10	Ejection port cover, compl.	233808	72	Safety lever (2x)	50227870
11	Clamping sleeve	50928807	73	Safety roller	50236274
12	Elbow spring	50235012	74	Pressure spring for locking pin	50233121
13	Clamping sleeve for forward assist	50979313	75	Locking pin for buffer	50233120
14	Pressure spring for forward assist	50203635	76	Clamping sleeve for locking pin	50986544
—	Forward assist, compl. (Item 15-19)	50203599	77	Trigger guard, compl.	50233153
15	Pressure bolt for forward assist	203 637	78	Clamping sleeve for trigger guard	50979294
16	Pressure spring for pressure bolt	203 636	79	Stop pin	50236687
17	Locking piece for forward assist	203 601	80	Pressure spring for stop pin	50233136
18	Pressure bolt for locking piece	979 293	—	Pistol grip, compl. (Item 81-82)	50234671
19	Retainer, compl.	203 600	81	Pistol grip	MAG532 Black
—	Charging handle, compl. (Item 20-25)	50227491	82	Cover, compl.	50234668
20	Clamping sleeve (2x)	50984198	83	Cylindrical screw	50979355
21	Clamping sleeve for plate	50928390	84	Lower receiver	235988
22	Charging handle	233779	85	Locking pin, compl.	50235931
23	Plate	50227613	86	Stop pin for locking pin	50233115
24	Pressure spring	50227638	87	Pressure spring	50233116
25	Pawl, compl.	50236347	88	Cylindrical pin for stop pin	50978316
—	Handguard, compl. (Item 26 -29)	1002025-01	89	Plate	50233770
26	Handguard	51000067	90	Nut for extension	50233769
27	Locking screw for handguard (2x)	51000065	91	Extension for buttstock, compl.	50227473
28	Grooved bolt (2x)	233802	—	Buttstock concave, compl. (92-101)	50236624
29	Pressure spring	233087	92	Buttstock	235918
—	Bolt group, compl. (Item 30-48)	50236591	93	Bolt	50227378
—	Bolt head, compl. (Item 30-38)	50236592	94	Pressure spring	50234688
30	Bolt head	235878	95	Release lever	235920
31	Axle for extractor	50971919	96	Clamping sleeve	50968791
32	Clamping sleeve	50233790	97	Pressure spring	212846
33	Rubber plug	50207779	98	Insert	235919
34	Pressure spring	50205407	99	Threaded pin	967662
35	Extractor	50233764	100	Hex Allen key (not included with LRPs)	235932
36	Clamping sleeve	50984199	101	Buttstock cap, concave	227616
37	Ejector (2x)	50205408	—	Magazine, 20 rd	2347085
38	Pressure springs for ejector (2x)	50209531	—	Magazine, 10rd	2346905
39	Control bolt	50237369			
—	Bolt head carrier, compl. (Item 40-46)	50236297	MR762 M-LOK handguard		
40	Pressure spring	50205407	—	Handguard, compl. M-LOK 14.7"	51000224
41	Catch	233761	—	Handguard, compl. FDE M-LOK 14.7"	51000225
42	Clamping sleeve for catch	984153			
43	Compression spring	50235022			
44	Bolt	50235238			
45	Pin	235888			
46	Bolt head carrier	236298			
47	Pressure spring for firing pin	50233674			
48	Firing pin	50235654			
—	Lower receiver, compl. (Item 49-101)	235986			
49	Buffer, compl.	50233777			
50	Recoil spring	50233760			
—	Lower receiver, assembled (Item 51-84)	235987			
51	Stop pin for locking pin	50233115			
52	Pressure spring	50233116			
53	Locking pin, compl.	50235930			
54	Hammer, compl.	227693			
55	Axle for hammer	50235346			
56	Disconnect	227695			
57	Pressure spring	50233149			
58	Sear release rocker	50235731			
59	Pressure spring	50235000			

Every attempt has been made to ensure the accuracy of this information, however errors or changes may occur.

SECTION 13 — SPECIFICATIONS

Caliber	7.62 x 51 mm NATO
Operating principle	Gas operated, short stroke piston
Bolt system	Rotating bolt
Feed mechanism	Magazines, 10/20 rounds
Mode of fire	Semi-automatic

Dimensions

Length, maximum (stock extended)	40.50 in / 1029 mm
Length, minimum (stock retracted)	36.50 in / 927 mm
Width	3.23 in / 82 mm
Height	8.39 in / 213 mm
Barrel length	16.5 in / 421 mm
Threads	15x1mm RH MR762 Before SN 242-400903 5/8x24 SN 242-400903 and up LRP 15x1mm RH

Weight

Rifle (empty 20 round magazine)	9.84 lb / 4.48 kg
Rifle (with LRP accessories installed and empty 20 round magazine)	13.30 lb / 6.03 kg
Rifle (with LRP II accessories installed and empty 20 round magazine)	13.54 lb / 6.14 kg

Magazine (empty 20 round magazine)	.33 lb / .15 kg
------------------------------------	-----------------

Other

Trigger pull (Two-stage trigger)	20-25 N (approximate)
Barrel profile	lands & grooves, 4 grooves, right twist, 1 in 11 in (280 mm)
Adjustable MR762A1 buttstock	5 positions
Adjustable G28 buttstock	5 positions, 80 mm of travel with movable cheek rest

NOTE: Different sights and optics can be mounted on the HK Free Floating Rail System and Modular Rail System handguards (Picatinny type, MIL-STD-1913), all specifications and technical data subject to modification

SECTION 14 — WARRANTY

WARRANTY REGISTRATION

New HK firearms are covered by Heckler & Koch, Inc.'s Limited Lifetime Warranty. Warranty registration is now online. To register your new HK firearm, go to:
<https://hk-usa.com/warranty-registration/>

If you do not have access to the Internet, contact Heckler & Koch, Inc. to obtain a warranty registration form:

HK Customer Service
5675 Transport Boulevard
Columbus, GA 31907
Telephone: 706-701-5554.
Email: cs@heckler-koch-us.com

HECKLER & KOCH, INC. LIMITED LIFETIME WARRANTY

All new Heckler & Koch, Inc. firearms purchased after January 1, 1998, are warranted to the original retail purchaser only for the lifetime of the said original retail purchaser. In the event that this original retail purchaser, at the time of the original purchase, shall donate this firearm to another person, the donee name must be submitted during the online warranty registration. Heckler & Koch, Inc. does not guarantee or warrant that any, all, or some donations or gifts are valid and compliant with all applicable laws, regulations, and ordinances. Heckler & Koch, Inc. is not responsible or liable in any way for a donation or gift that does not comply with applicable laws, regulations, and ordinances. It is the responsibility of the original retail purchaser and the donee or recipient to ensure that any such transfer complies with all applicable laws, regulations, and ordinances. Upon completion of the online warranty registration indicating the name of the said donee, this warranty shall be extended to the lifetime of the said donee. This warranty applies only if the firearm was imported into the United States and distributed by Heckler & Koch, Inc. to an authorized dealer.

What Will We Do?

Heckler & Koch, Inc. will, at its option, repair or replace, without charge, any HK firearm that fails due to a defect in materials or workmanship. Parts and labor are included. Repairs are warranted for the duration of this Limited Lifetime Warranty. If Heckler & Koch, Inc. replaces a firearm under this warranty, the replacement firearm will remain covered by this Limited Lifetime Warranty for the lifetime of the original retail purchaser or registered donee, as applicable. Heckler & Koch, Inc. will return the firearm or replacement firearm shipping prepaid, subject to applicable law and the Legal and Regulatory Restrictions on Warranty Service and Return stated below.

How to Obtain Service:

Contact Heckler & Koch, Inc. by phone at 706-701-5554 or email at cs@heckler-koch-us.com for a Return Authorization Number before sending your firearm freight prepaid to Heckler & Koch, Inc. at the address listed below. No C.O.D. shipments will be accepted.

Only the existing Heckler & Koch, Inc. Service Center or any other authorized Heckler & Koch, Inc. Service Center that may be established by Heckler & Koch, Inc. is authorized to make warranty repairs.

Return the complete, unloaded firearm with a detailed description of the problem using Heckler & Koch, Inc.'s Return Form.

DO NOT send any live ammunition with the firearm. If you must send ammunition to us for proof purposes, be sure that it is sent separately from the firearm. We strongly recommend that you complete the online warranty registration at <https://hk-usa.com/warranty-registration/> to establish eligibility for warranty service. If you do not return an acknowledgment of online warranty registration to Heckler & Koch, Inc., you are required to provide adequate proof of the date that you purchased your new HK firearm at the time you send your firearm to Heckler & Koch, Inc. for warranty service.

If this firearm was given as a gift at the time of original purchase, the online warranty registration identifying the donee must be provided to Heckler & Koch, Inc. for the warranty to become effective.

Note: Non-warranty servicing must follow the same shipping procedures stated above. HK firearms with a valid Return Authorization Number should be shipped to the following address in accordance with these instructions:

HKI

Attn: Service Department/RA# _____

5675 Transport Blvd.

Columbus, GA 31907

Any information gathered in connection with a Heckler & Koch, Inc. Limited Lifetime Warranty shall be used for that purpose and may be used for other legitimate business purposes of Heckler & Koch, Inc. For further information, please review Heckler & Koch, Inc.'s Privacy Policy, located at <https://hk-usa.com/cookie-policy-us/>

What Is Not Covered?

This warranty does not cover defects or damage caused by: (1) unreasonable use; (2) failure to provide proper care or maintenance; (3) failure to comply with instructions in the operator's manual, including improper installation of original Heckler & Koch, Inc. parts by the owner or the owner's agent; (4) normal wear and tear for the degree of use; (5) rust or corrosion; (6) obstructions in the barrel; (7) excessive use; and/or (8) external or internal cosmetic finishes.

Heckler & Koch, Inc. reserves the right to determine what constitutes unreasonable or excessive use of the firearm. All wooden parts and all accessories are excluded from warranty coverage.

This warranty does not cover claims made by a second or subsequent owner of an HK firearm, except for a donee identified and registered as provided above.

NOTICE Any unauthorized alteration or modification of the firearm, or use of parts or components not originally made by Heckler & Koch, Inc., may void this warranty. Heckler & Koch, Inc. is not responsible for claims involving this firearm that result from the use of faulty, nonstandard, remanufactured, or reloaded ammunition, or ammunition not manufactured to NATO, CIP, and/or SAAMI specifications.

Under no circumstances shall Heckler & Koch, Inc. be responsible or liable for incidental or consequential damages with respect to loss of use, loss of business or profits, other economic loss, or injury to property, whether as a result of breach of express or implied warranty, negligence, or otherwise. This Limited Lifetime Warranty applies only to retail purchases by individuals through an authorized Heckler & Koch, Inc. dealer.

LEGAL AND REGULATORY RESTRICTIONS ON WARRANTY SERVICE AND RETURN

All warranty service, repair, replacement, shipment, transfer, and return are subject to applicable federal, state, territorial, and local law in effect at the time of service and return. Where lawful, Heckler & Koch, Inc. may return a serviced firearm or lawful replacement directly to the person from whom it was received.

If applicable law requires different handling, Heckler & Koch, Inc. may require return through a federally licensed firearms dealer or another lawful method and may request dealer information or other information reasonably necessary to confirm that the return, replacement, transfer, or possession is lawful.

NOTICE Do not ship Heckler & Koch, Inc. any firearm, frame or receiver, magazine, ammunition feeding device, or other component that cannot lawfully be shipped, possessed, received, serviced, transferred, or returned, unless specifically instructed by Heckler & Koch, Inc. Heckler & Koch, Inc. will not ship or return any item in violation of applicable law.

Exclusions

This Limited Lifetime Warranty does not apply to firearms purchased by the United States military; federal, state, or territorial government institutions or agencies; federal, state, or local law enforcement agencies; or security organizations located within the United States or its territories for duty issue to personnel or employees. Those firearms are covered by a one-year limited warranty against defects in materials and workmanship, or as otherwise agreed in a valid contract.

This Limited Lifetime Warranty also excludes rimfire .22 LR firearms and all suppressors, which are covered by a one-year warranty.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state. This Limited Lifetime Warranty is the only express warranty made by Heckler & Koch, Inc. Heckler & Koch, Inc. does not authorize any dealer or other person to vary the terms of this warranty or to make any other express warranties on its behalf.

Heckler & Koch, Inc. Lifetime Barrel Guarantee

Heckler & Koch, Inc. guarantees the serviceability of the bore of the barrels of all MR A4 Series rifles and pistols for the lifetime of the original consumer purchaser for individual use. This guarantee is based on the barrels meeting standards for accuracy, velocity, and usability throughout the life of the A4 system. If at any time an A4 barrel fails to meet these standards, Heckler & Koch, Inc. will replace the barrel.



STATE-SPECIFIC COMPLIANCE CONSIDERATIONS

Applicable federal, state, and local laws may affect how a firearm, frame or receiver, magazine, or other component may be shipped to or returned by Heckler & Koch, Inc. in connection with warranty or service work. For current information regarding state-specific shipping and return requirements, please visit: hk-usa.com/customersuccess/returnsstatelaws. Applicable law controls in all cases.

Where to Get Further Help

If you have questions concerning this warranty, please contact Heckler & Koch, Inc.'s Customer Service Department at:
5675 Transport Blvd.
Columbus, GA 31907
Telephone: 706-701-5554 Email: cs@heckler-koch-us.com

SECTION 15 — YOUTH HANDGUN SAFETY NOTICE

YOUTH HANDGUN SAFETY NOTICE

1. The misuse of handguns is a leading contributor to juvenile violence and fatalities.
2. Safely storing and securing firearms away from children will help prevent the unlawful possession of handguns by juveniles, stop accidents, and save lives.
3. Federal law prohibits, except in certain limited circumstances, anyone under 18 years of age from knowingly possessing a handgun, or any person from selling, delivering, or otherwise transferring a handgun to a person under 18.
4. A knowing violation of the prohibition against selling, delivering, or otherwise transferring a handgun to a person under the age of 18 is, under certain circumstances, punishable by up to 10 years in prison.

FEDERAL LAW

The Gun Control Act of 1968, 18 U.S.C. Chapter 44, provides in pertinent part as follows:

18 U.S.C. §922(x)

1. It shall be unlawful for any person to sell, deliver, or otherwise transfer to a person who the transferor knows or has reasonable cause to believe is a juvenile –
 - A. a handgun; or
 - B. ammunition that is suitable for use only in a handgun.
2. It shall be unlawful for any person who is a juvenile to knowingly possess –
 - A. a handgun; or
 - B. ammunition that is suitable for use only in a handgun.
3. This subsection does not apply to –
 - A. a temporary transfer of a handgun or ammunition to a juvenile or to the possession or use of a handgun or ammunition by a juvenile if the handgun and ammunition are possessed and used by the juvenile –
 - i. in the course of employment, in the course of ranching or farming related to activities at the residence of the juvenile (or on property used for ranching or farming at which the juvenile, with the permission of the property owner or lessee, is performing activities related to the operation of the farm or ranch), target practice, hunting, or a course of instruction in the safe and lawful use of a handgun;
 - ii. with the prior written consent of the juvenile's parent or guardian who is not prohibited by Federal, State, or local law from possessing a firearm, except –
 - I. during transportation by the juvenile of an unloaded handgun in a locked container directly from the place of transfer to a place at which an activity described in clause (i) is to take place and transportation by the juvenile of that handgun, unloaded and in a locked container, directly from the place at which such an activity took place to the transferor; or
 - II. with respect to ranching or farming activities as described in clause (i), a juvenile may possess and use a handgun or ammunition with the prior written approval of the juvenile's parent or legal guardian and at the direction of an adult who is not prohibited by Federal, State or local law from possessing a firearm;

- iii. the juvenile has the prior written consent in the juvenile's possession at all times when a handgun is in the possession of the juvenile; and
 - iv. in accordance with State and local law;
 - B. a juvenile who is a member of the Armed Forces of the United States or the National Guard who possesses or is armed with a handgun in the line of duty;
 - C. a transfer by inheritance of title (but not possession) of a handgun or ammunition to a juvenile; or
 - D. the possession of a handgun or ammunition by a juvenile taken in defense of the juvenile or other persons against an intruder into the residence of the juvenile or a residence in which the juvenile is an invited guest.
4. A handgun or ammunition, the possession of which is transferred to a juvenile in circumstances in which the transferor is not in violation of this subsection shall not be subject to permanent confiscation by the Government if its possession by the juvenile subsequently becomes unlawful because of the conduct of the juvenile, but shall be returned to the lawful owner when such handgun or ammunition is no longer required by the Government for the purposes of investigation or prosecution.
5. For purposes of this subsection, the term "juvenile" means a person who is less than 18 years of age.
- 6.
- A. In a prosecution of a violation of this subsection, the court shall require the presence of a juvenile defendant's parent or legal guardian at all proceedings.
 - B. The court may use the contempt power to enforce subparagraph (A).
 - C. The court may excuse attendance of a parent or legal guardian of a juvenile defendant at a proceeding in a prosecution of a violation of this subsection for good cause shown.

18 U.S.C. § 924(a)(6)

- i. A juvenile who violates section 922(x) shall be fined under this title, imprisoned not more than 1 year, or both, except that a juvenile described in clause (ii) shall be
 - A. sentenced to probation on appropriate conditions and shall not be incarcerated unless the juvenile fails to comply with a condition of probation.
- ii. A juvenile is described in this clause if –
 - I. the offense of which the juvenile is charged is possession of a handgun or ammunition in violation of section 922(x)(2); and
 - II. the juvenile has not been convicted in any court of an offense (including an offense under section 922(x) or a similar State law, but not including any other offense consisting of conduct that if engaged in by an adult would not constitute an offense) or adjudicated as a juvenile delinquent for conduct that if engaged in by an adult would constitute an offense.
- B. A person other than a juvenile who knowingly violates section 922(x) –
 - i. shall be fined under this title, imprisoned not more than 1 year, or both; and
 - ii. if the person sold, delivered, or otherwise transferred a handgun or ammunition to a juvenile knowing or having reasonable cause to know that the juvenile intended to carry or otherwise possess or discharge or otherwise use the handgun or ammunition in the commission of a crime of violence, shall be fined under this title, imprisoned not more than 10 years, or both.

SECTION 16 — STATE REQUIRED SAFETY NOTICES

STATE REQUIRED SAFETY NOTICES

Certain states have laws requiring that specific warnings be provided with handguns sold in those states as a result of which safety warnings are included in this manual.

CALIFORNIA:



WARNING

"Firearms must be handled responsibly and securely stored to prevent access by children and other unauthorized users. California has strict laws pertaining to firearms, and you may be fined or imprisoned if you fail to comply with them. Visit the Web site of the California Attorney General at <https://oag.ca.gov/firearms> for information on firearm laws applicable to you and how you can comply.

Prevent child access by always keeping guns locked away and unloaded when not in use. If you keep a loaded firearm where a child obtains and improperly uses it, you may be fined or sent to prison.

If you or someone you know is contemplating suicide, please call the national suicide prevention lifeline at 1-800-273-TALK (8255)."



ADVERTENCIA

"Las armas de fuego deben manipularse de manera responsable y segura para evitar el acceso de niños y otros usuarios no autorizados. California tiene leyes estrictas relacionadas con armas de fuego, y usted puede ser multado o encarcelado si no las cumple. Visite la página web del Procurador General de California en <https://oag.ca.gov/firearms> para obtener información sobre las leyes de armas de fuego que le son aplicables y cómo puede cumplirlas.

Evite el acceso de niños manteniendo siempre las armas bloqueadas y descargadas cuando no estén en uso. Si mantiene un arma de fuego cargada donde un niño obtiene y la usa indebidamente, se le puede multar o enviar a prisión.

Si usted o alguien que conoce está pensando en suicidarse, llame a la línea nacional de prevención del suicidio al 1-800-273-TALK (8255)."

CONNECTICUT:

"UNLAWFUL STORAGE OF A LOADED FIREARM MAY RESULT IN IMPRISONMENT OR FINE."

FLORIDA:

"IT IS UNLAWFUL, AND PUNISHABLE BY IMPRISONMENT AND FINE, FOR ANY ADULT TO STORE OR LEAVE A FIREARM IN ANY PLACE WITHIN THE REACH OR EASY ACCESS OF A MINOR UNDER 18 YEARS OF AGE OR TO KNOWINGLY SELL OR OTHERWISE TRANSFER OWNERSHIP OR POSSESSION OF A FIREARM TO A MINOR OR A PERSON OF UNSOUND MIND."

MAINE:

"ENDANGERING THE WELFARE OF A CHILD IS A CRIME. IF YOU LEAVE A FIREARM AND AMMUNITION WITHIN EASY ACCESS OF A CHILD, YOU MAY BE SUBJECT TO FINE, IMPRISONMENT OR BOTH. KEEP FIREARMS AND AMMUNITION SEPARATE. KEEP FIREARMS AND AMMUNITION LOCKED UP. USE TRIGGER LOCKS."

MARYLAND:

"WARNING: Children can operate firearms which may cause death or serious injury. It is a crime to store or leave a loaded firearm in any location where an individual knew or should have known that an unsupervised minor would gain access to the firearm. Store your firearm responsibly!"

MASSACHUSETTS:

"WARNING FROM THE MASSACHUSETTS ATTORNEY GENERAL: This handgun is not equipped with a device that fully blocks use by unauthorized users. More than 200,000 firearms like this one are stolen from their owners every year in the United States. In addition, there are more than a thousand suicides each year by younger children and teenagers who get access to firearms. Hundreds more die from accidental discharge. It is likely that many more children sustain serious wounds or inflict such wounds accidentally on others. In order to limit the chance of such misuse, it is imperative that you keep this weapon locked in a secure place and take other steps necessary to limit the possibility of theft or accident. Failure to take reasonable preventive steps may result in innocent lives being lost, and in some circumstances may result in your liability for these deaths."

"IT IS UNLAWFUL TO STORE OR KEEP A FIREARM, SHOTGUN OR MACHINE GUN IN ANY PLACE UNLESS THAT WEAPON IS EQUIPPED WITH A TAMPER-RESISTANT SAFETY DEVICE OR IS STORED OR KEPT IN A SECURELY LOCKED CONTAINER."

NEW JERSEY:

"IT IS A CRIMINAL OFFENSE, PUNISHABLE BY A FINE AND IMPRISONMENT, FOR AN ADULT TO LEAVE A LOADED FIREARM WITHIN EASY ACCESS OF A MINOR."

NEW YORK CITY, NY:

"THE USE OF A LOCKING DEVICE OR SAFETY LOCK IS ONLY ONE ASPECT OF RESPONSIBLE WEAPON STORAGE. ALL WEAPONS SHOULD BE STORED UNLOADED AND LOCKED IN A LOCATION THAT IS BOTH SEPARATE FROM THEIR AMMUNITION AND INACCESSIBLE TO CHILDREN AND ANY OTHER UNAUTHORIZED PERSONS. NEW YORK CITY LAW PROHIBITS, WITH CERTAIN EXCEPTIONS, ANY PERSON FROM ACQUIRING MORE THAN ONE FIREARM, OR MORE THAN ONE FIREARM OR SHOTGUN, WITHIN A 90-DAY PERIOD."

NORTH CAROLINA:

"IT IS UNLAWFUL TO STORE OR LEAVE A FIREARM THAT CAN BE DISCHARGED IN A MANNER THAT A REASONABLE PERSON SHOULD KNOW IS ACCESSIBLE TO A MINOR."

"Any person who resides in the same premises as a minor, owns or possesses a firearm, and stores or leaves the firearm (i) in a condition that the firearm can be discharged and (ii) in a manner that the person knew or should have known that an unsupervised minor would be able to gain access to the firearm, is guilty of a Class 1 misdemeanor if a minor gains access to the firearm without the lawful permission of the minor's parents or a person having charge of the minor and the minor:

- (1) Possesses it in violation of G.S. 14-269.2(b);
- (2) Exhibits it in a public place in a careless, angry, or threatening manner;
- (3) Causes personal injury or death with it not in self-defense; or
- (4) Uses it in the commission of a crime."

TEXAS:

"IT IS UNLAWFUL TO STORE, TRANSPORT, OR ABANDON AN UNSECURED FIREARM IN A PLACE WHERE CHILDREN ARE LIKELY TO BE AND CAN OBTAIN ACCESS TO THE FIREARM."

WISCONSIN:

"IF YOU LEAVE A LOADED Firearm WITHIN THE REACH OR EASY ACCESS OF A CHILD YOU MAY BE FINED OR IMPRISONED OR BOTH IF THE CHILD IMPROPERLY DISCHARGES, POSSESSES OR EXHIBITS THE FIREARM."

State laws and regulations concerning firearms change constantly. Please check with your State Attorney General's Office or State Police for additional laws and regulations regarding the storage and use of firearms in your state.

SECTION 17 REESE'S LAW SAFETY NOTICE

Packages with third party optic batteries, please refer to the original equipment manufacturer's (OEM) manual for more information.

⚠ WARNING	
<ul style="list-style-type: none"> • INGESTION HAZARD: This product contains a button cell or coin battery. • DEATH or serious injury can occur if ingested. • A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours. • KEEP new and used batteries OUT OF REACH OF CHILDREN. • Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body. • Battery type CR1632. • Nominal Voltage: (3v). 	

⚠ WARNING	
<ul style="list-style-type: none"> • INGESTION HAZARD: This product contains a button cell or coin battery. • DEATH or serious injury can occur if ingested. • A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours. • KEEP new and used batteries OUT OF REACH OF CHILDREN. • Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body. • This product contains a non-replaceable battery. • Battery type ML1220. • Nominal Voltage: (3v). 	

⚠ WARNING	
<ul style="list-style-type: none"> • INGESTION HAZARD: This product contains a button cell or coin battery. • DEATH or serious injury can occur if ingested. • A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours. • KEEP new and used batteries OUT OF REACH OF CHILDREN. • Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body. 	

Firearm Type _____ Serial Number _____

[illegible]

Firearm Type _____ Serial Number _____

[illegible]

