

SP5K

OPERATOR'S MANUAL



HECKLER & KOCH

9 mm x 19

SAFETY RULES

Please 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 firearm safety is your responsibility. Firearms can be dangerous and can potentially cause serious injury, damage to property or death, if handled improperly.

1. Never point a firearm at anyone or in any direction other than a SAFE direction, i.e. down range.
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 and you are ready to fire.
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 pulling the firearm out of a holster/carry rig/case or while returning it to a holster/carry rig/case.
6. Be sure of your target and the backstop 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 action 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, especially the hands and fingers, away from the muzzle to avoid injury or burns.
13. Be sure that no part of either hand touches or interferes with the bolt. The bolt is moved backward by the recoil force of the pistol during firing and may cause serious injury.
14. Firearms should be locked and 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 or during your use of a 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.

STOP! Know how to clear this pistol before attempting to operate.

- 1. Point the muzzle of the SP5K pistol in a safe direction and place the safety lever in the safe position.** Ensure the muzzle of the SP5K is pointed in a safe direction and that the operator's fingers are off the trigger and outside the trigger guard. Place the safety lever in the SAFE position (white cartridge symbol with white "X" through it). Safety lever is located on both sides of the receiver.
 - 2. Remove the magazine.** Depress the magazine release on the right side of the receiver and remove the magazine from the magazine well.
 - 3. Open and lock the bolt to the rear.** Grasping the charging handle on the left side of the receiver (located adjacent of the front sight) and move the bolt to the rear while keeping the muzzle pointed in a safe direction. Place the charging handle in the upward, locking recess notch. The bolt should be locked in the rear position. Watch for a cartridge or empty case to be ejected out through the ejection port.
 - 4. Inspect the chamber.** Inspect the chamber for the presence of a cartridge or empty case by:
 1. Visually inspecting the chamber through the open ejection port.
 2. Physically inserting a finger through the magazine well and sweeping the chamber and feed ramp area.
 3. Removing any cartridges or empty cases from the chamber or from within the SP5K.
- The SP5K Pistol is now considered "Clear." Additional safety information appears throughout this manual.**

WARNING! Read, understand, follow, and practice the safe firearms handling instructions put forth in this manual. Failure to follow the safety rules and safe firearm handling instructions taught in this manual may cause property damage, personal injury, and/or death.

SP5K Operator's Manual



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SECTION 1 INTRODUCTION

The SP5K was developed by Heckler & Koch as a semi-automatic, civilian sporting pistol (hence the "SP" prefix) that matches the look and ergonomics of the famous MP5K submachine gun. It is actually the second iteration of an HK commercial/civilian pistol inspired by the MP5K design.

The SP5K is designed and manufactured to meet the strict definition of a civilian pistol in the USA and can not be altered to fire in the full automatic mode. Other features on the SP5K — including adjustable target sights and the absence of a foregrip confirm its identity as a commercial product approved for sporting purposes by both the U.S. and German governments. The SP5K is manufactured completely in Heckler & Koch's Oberndorf factory in southwest Germany.

The SP5K is a safe, robust, ergonomic large frame handgun. Its size can make prolonged target shooting using traditional handgun techniques problematic. For this reason, the SP5K is equipped with an elastic "bungee" sling. The sling is easily installed by snapping it onto the sling swivel hardware located on the rear of the receiver. Using the sling makes firing the SP5K more stable and less fatiguing. The sling also prevents the SP5K from being dropped or falling.

When shooting, the operator should push the SP5K forward against the tension of the sling using a two-handed grip; ensuring the forward hand grasps the handguard and that hands and fingers are kept well away from the front of the muzzle. A finger protector and ambidextrous thumb rest are molded into the handguard for this purpose.

The SP5K has a 4.52 inch (115 mm) barrel, the same length as the famous MP5K. The overall length of the SP5K is 13.9 inches (354 mm) with the handguard installed. The SP5K is supplied with 30 round magazines, the same magazines used by HK MP5s. 15 round and 10 round magazines are also available and 10 rounds magazines are shipped with the pistol in jurisdictions that prohibit large capacity magazines.

The SP5K is an ultra-reliable, large frame pistol especially suited for sporting use. Using the proven delayed roller locked bolt system common to many HK firearms, the SP5K's inherent accuracy makes it an excellent choice for target shooting and an ideal home security arm.

Like the MP5K, a wide variety of accessories can be added to increase its functionality. A Picatinny rail scope mount is attached to the upper receiver and allows for optional sights and other accessories to be easily mounted.

Covered by Heckler & Koch's limited lifetime warranty, the HK SP5K pistol is a faithful rendering of the iconic MP5K as a semi-automatic only pistol. A solid design, the SP5K is engineered with the famous long-term durability that make Heckler & Koch products especially cost-effective when subjected to total life cycle cost analysis.

SECTION 2 NOMENCLATURE

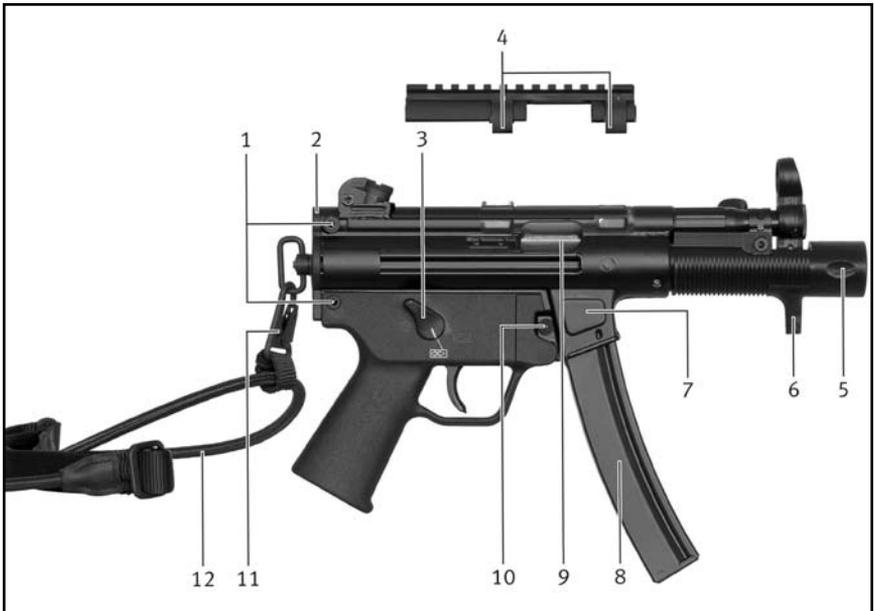


Fig. 1 – SP5K (right side view)

- | | |
|-------------------------------------------------|-------------------|
| 1 Locking pin for back plate (2x) | 7 Magazine well |
| 2 Back plate | 8 Magazine |
| 3 Safety lever, ambidextrous | 9 Ejection port |
| 4 Mounting points on Picatinny rail scope mount | 10 Magazine catch |
| 5 Thumb rest | 11 Snap hook |
| 6 Finger protector | 12 Carrying sling |



Fig. 2 – SP5K (left side view)

- | | |
|------------------------------|------------------------------|
| 1 Front sight | 8 Trigger |
| 2 Charging handle | 9 Trigger guard |
| 3 Receiver | 10 Handguard |
| 4 Picatinny rail scope mount | 11 Locking pin for handguard |
| 5 Rear sight | 12 Magazine lips |
| 6 Eyelet for carrying sling | 13 Follower |
| 7 Pistol grip | |



Fig. 3 – SP5K Assembly Groups

SECTION 3 SPECIFICATIONS

Caliber	9 mm x 19
Operating Principle	Roller-delayed blowback
Mode of Fire	Single fire
Magazine Capacity	30, 15, 10 rounds
Cartridge case ejection	Right side

DIMENSIONS & WEIGHT

Length	13.9 inches (354 mm)
Width	2.40 inches (61 mm)
Height	8.66 inches (220 mm)
Barrel Length	4.53 inches (115 mm)
Sight Radius	10.2 inches (260 mm)
Weight (without magazine)	4.64 pounds (2.11 kilograms)
Magazine Weight (empty 30, 15, 10-rd)	6 oz (170 g), 4.23 oz (120 g), 3.88 oz (110 g)

OTHER DATA

Trigger Pull	Approx. 6.74-10.11 pounds-force (30-45 Newtons)
Trigger Travel	.24 inches (6 mm)
Return Travel	.12 inches (3 mm)
Barrel Profile/Twist	Groove/land profile, 6 grooves, right-hand twist

MISCELLANEOUS

Warranty	Limited Lifetime Warranty for the original retail (commercial/civilian) purchaser, one year for law enforcement and military customers
Safety	Selector/safety lever, firing pin spring
Disassembly	No tools required for user field strip

SECTION 4 FUNCTION AND OPERATION

OPERATING PRINCIPLE IN BRIEF

The cycle of operation is a reoccurring sequence of mechanical events which takes place in the operation of this self-loading firearm.

There are three commonly accepted operating principles used to operate an auto loading firearm. They are utilization of the kinetic energy released as the round is fired. The powder in a modern cartridge is converted in a half dozen milliseconds from a dry powder to expanding gases 900 to 1,000 times the volume of the powder. Additionally the pressure of this expanding gas can average 38,000 psi with a peak of over 43,000 psi in a 9 mm x 19 cartridge.

This firing causes many things to happen. First, as the gases expand the bullet moves from the case into the barrel and the force required to move the bullet causes an exact force to be exerted in the opposite direction. This will become recoil energy and is the power behind two of the operating principles.

Second, the gases behind the bullet are continuing to expand. They push the bullet down the bore imparting spin to the bullet by the inscription of the bullet on the lands and grooves of the bore. These grooves are in the shape of a spiral which makes the bullet turn as it travels down the barrel. It can achieve a rate of spin of almost 80,000 rpm in a 9 mm. The expanding gases if vented and applied to pistons or rods can be made to power the mechanism of the auto loader.

One of the features of the gas operated gun is that the barrel is stationary and that the gas is vented from the barrel forward of the mid point of the barrel. This creates a delay which enables the bullet to leave the muzzle and the pressure to drop to a safe level prior to the action opening.

In the recoil operated system the barrel and breech, barrel and bolt, barrel and slide remain closed while the mechanism is in recoil until the bullet leaves the bore and the pressure drops to a safe level. This is done through timing, but the barrel in a recoil system moves. Examples are numerous as all Browning design pistols are recoil operated including pistols like the HK USP series, HK45 series, P30 series, P2000 series, and VP series.

Blowback is another method of operation using recoil energy and includes two types, simple and the delayed. The simple blowback system uses the mass of the bolt to cause the delay necessary for the bullet to leave the muzzle. Many fully automatic submachine guns and .22 LR semi-automatic firearms use simple blowback.

Delayed blowback however, instead of using the mass of the bolt, incorporates a mechanical "disadvantage" which must be overcome to unlock the bolt and open the action. In the case of the HK SP5K (and the HK MP5) the disadvantage is caused by the rollers engaging the barrel extension and locking piece. This type of bolt system enables the bolt mechanism to be lightweight.

The SP5K and MP5 function through the utilization of the symmetrical transmission of energy. The equal and opposite reaction to the bullet traveling down the bore provides more than enough energy to function the gun.

CYCLE OF OPERATION

The cycle of operation is a reoccurring sequence of mechanical events which takes place in the operation of a self-loading firearm. The sequence for the SP5K pistol begins with a loaded magazine inserted into the magazine well.

1. FEEDING Removing a round from the magazine.

As the bolt moves forward under the pressure of the expanding recoil spring, the feeding pawl on the bolt head rides between the lips of the magazine stripping a round out of the magazine and feeding it into the chamber.

2. CHAMBERING Placing the round in the chamber of the barrel and seating it fully.

The bolt pushes the round forward into the chamber until the mouth of the cartridge comes to rest on the end of the chamber.

3. LOCKING - Closing and locking of the breech mechanism prior to firing.

The bolt, being pushed by the recoil spring, continues to apply pressure to the base of the cartridge until the extractor cams out allowing the bolt to snap forward. The front of the bolt head hits the back of the barrel and stops its forward movement. Once the bolt head has stopped moving, the bolt carrier and locking piece continue forward for about 4mm until the locking piece forces the locking rollers out into the locking recesses of the barrel extension.

4. FIRING - Ignition of the propellant powder.

The trigger is pulled and pushes up on the rear of the sear causing the front to move down releasing the hammer. The hammer falls to the firing pin and overcomes the tension of the firing pin spring driving the firing pin into the primer. The primer detonates, igniting the propellant powder and firing has occurred. When the sear releases the hammer the spring in the sear causes the sear to travel a predetermined motion. This setting of the sear allows SEMI-AUTOMATIC fire and the sear is reset to catch the hammer before the hammer hits the firing pin.

5. UNLOCKING Removal of any blocking mechanism from the breech so the breech can open.

The resultant force of the cartridge firing creates an impact on the bolt head that sends force through the rollers into the locking piece, knocking it to the rear. Once the locking piece moves from between the rollers, the bolt is unlocked.

6. EXTRACTING removal of the fired cartridge case, or a round from the chamber.

As the bullet is leaving the cartridge case, expanding gases pressurize the inside of the case and the flutes in the chamber. This prevents the case from sticking to the wall of the chamber and residual gas pressure floats the case out of the chamber on this film of high pressure gas.

7. EJECTING - Expulsion of the round or fired case from the gun.

The extractor holds the empty case to the face of the bolt head as it travels to the rear. The carrier rides over the rear of the ejector and the front comes up through the face of the bolt hitting the case as the bolt moves to the rear. The extractor creates a pivot and the ejector provides thrust as the case is knocked out of the ejection port.

8. COCKING - Resetting of the trigger mechanism to enable subsequent shots to be fired. NOTE: cocking is NOT complete at this time!

While the bolt moves to the rear the hammer is pushed back and the bolt rides over it. When the bolt moves forward for the next cycle the hammer starts forward. The shooter releases the trigger causing the sear to snap back into position and the SP5K is ready for the next shot.

SAFETY/SELECTOR LEVER FUNCTION

NOTE: The SP5K 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 some firearms, the selector/safety levers of the SP5K can be placed on the "SAFE" position even if the SP5K 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 (downward, Fig. 4).

"FIRE POSITION" – Place the selector lever with the point towards the closed red box containing a red bullet symbol in it (upward, Fig. 5).

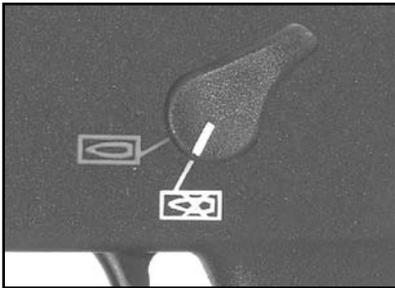


Fig. 4 – Selector lever on SAFE

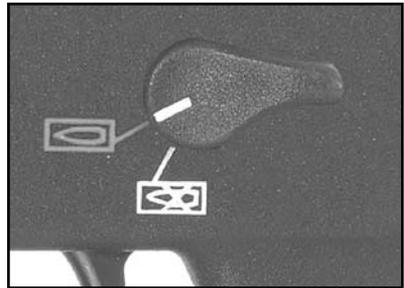


Fig. 5 – Selector lever on FIRE

SECTION 5 SIGHTS, AIMING, AND SIGHT ADJUSTMENT

SIGHTS

The SP5K is equipped with the same sighting system installed on the HK MP5K and the SP89 — a protected front sight blade (Fig. 7) and an adjustable rear drum (Fig. 6) with various width notches for precise shooting and rapid target acquisition.



Fig. 6 – Rear Sight



Fig. 7 – Front Sight

NOTE: HK SP5K pistols are test fired for accuracy by ensuring the point of aim equals point of impact at 25 meters (27.3 yards). Individual results concerning accuracy and/or shot placement are affected by such factors as stance, grip, engagement range, and ammunition. Use of different types of ammunition can change the elevation and windage of the position of point of impact. The sights can be adjusted to correct changed position of point of impact.

AIMING

The correct sight alignment and “sight picture” is depicted in Fig. 8 below. Common sight alignment errors are shown in Fig. 9.

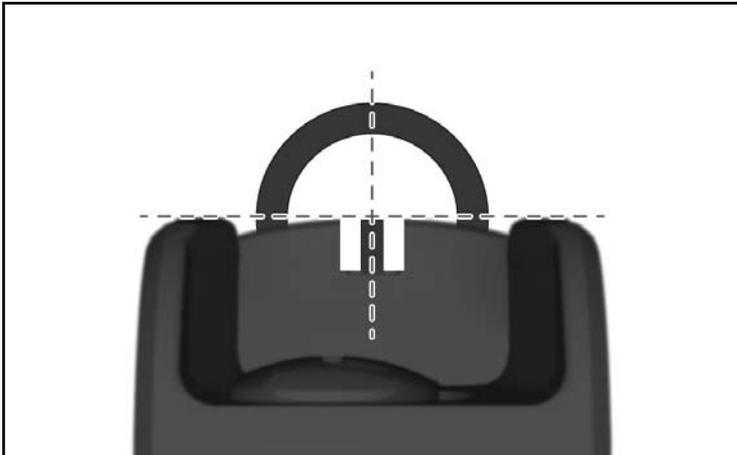


Fig. 8 – Correct sight alignment

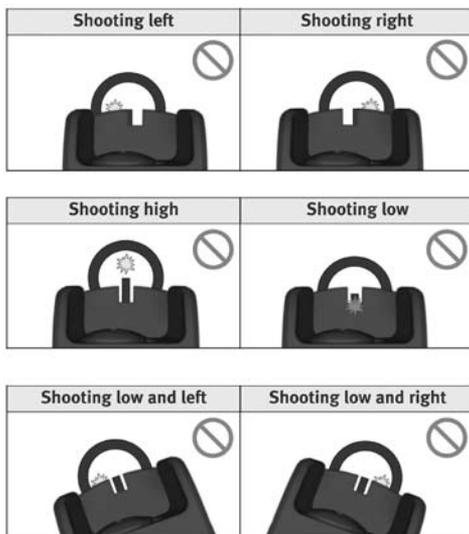


Fig. 9 – Common sight alignment errors

SIGHT ADJUSTMENT

Sight adjustment for the SP5K is made on the rear sight drum. The rear sight can be adjusted for precise shooting or for rapid target acquisition. 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 target, then the sight and the impact must be moved left. For precise shooting, adjust the rear sight to a narrow notch (Fig. 10). For rapid target acquisition, adjust the rear sight to a wide notch (Fig. 11).



Fig. 10 – Narrow sight notch

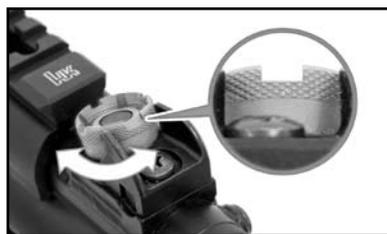


Fig. 11 – Wide sight notch

Use an HK sight adjustment tool (Fig. 12, HK part # 3000009) to adjust the rear sight. The sight adjustment tool includes two components, a Phillips screwdriver and an elevation adjustment module (stored in the handle of the screwdriver).

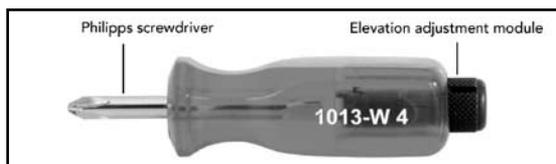


Fig. 12 – HK sight adjustment tool

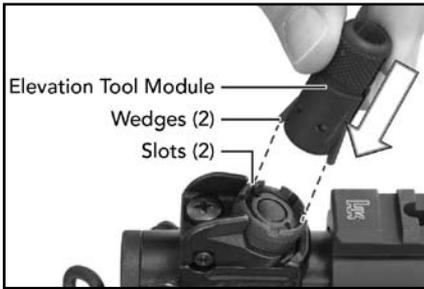


Fig. 13 – Insert elevation tool module into rear sight

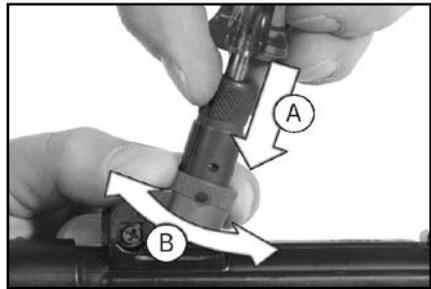


Fig. 14 – Adjust rear sight

Elevation Adjustment – Point of Impact TOO HIGH



1. Insert the elevation tool module into rear sight while inserting the wedges of the tool into the slots of the rear sight (Fig. 13).
2. Insert the Phillips-head screwdriver into the elevation adjustment tool module (A), press downwards and hold it (Fig. 14).
3. Turn rear sight drum counter-clockwise (B) (Fig. 14). Turning by one click changes the point of impact by approximately 1.375 cm (0.55 inches) at 25 meters (27.34 yards or 82 feet) range.
4. After correction withdraw the Phillips-head screwdriver and remove elevation tool module. The catch bolts will then re-engage in the slots. After performing the elevation adjustment set the desired sight notch again.

Elevation Adjustment – Point of Impact TOO LOW



1. Insert the elevation adjustment module tool into rear sight while inserting the wedges of the tool into the slots of the rear sight (Fig. 13).
2. Insert the Phillips-head screwdriver into the elevation adjustment tool module (A), press downwards and hold it (Fig. 14).
3. Turn rear sight drum (B) clockwise (Fig. 14). Turning by one click changes the point of impact by approximately 7 cm (2.76 inches) at 25 meters (27.34 yards or 82 feet) range.
4. After correction withdraw the Phillips-head screwdriver and remove elevation tool module. The catch bolts will then re-engage in the slots. After performing the elevation adjustment set the desired sight notch again.

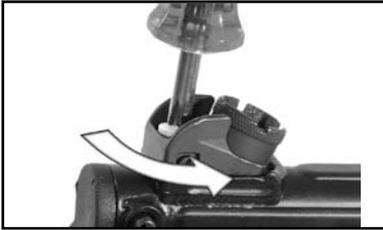


Fig. 15 – Loosen screw



Fig. 16 – Turn windage Adjustment screw

Windage Adjustment – Point of Impact TOO FAR RIGHT



1. Loosen screw by turning counter-clockwise with Phillips-head screwdriver (Fig. 15).
2. Turn windage adjustment screw clockwise (Fig. 16).
3. Tighten screw by turning clockwise with Phillips-head screwdriver.

Windage Adjustment – Point of Impact TOO FAR LEFT



1. Loosen screw by turning counter-clockwise with Phillips-head screwdriver (Fig. 15).
2. Turn windage adjustment screw counter-clockwise (Fig. 16).
3. Tighten screw by turning clockwise with screwdriver.

Any corrections which may be required when sighting-in the SP5K should be performed by adjusting the rear sight for elevation or windage. HK SP5K pistols are designed to be sighted in at a range of 25 meters. REMEMBER THIS HELPFUL FORMULA: LL=C (Lower or Left = Clockwise rotation)

SECTION 6 AMMUNITION

WARNING! HK specifically disclaims any responsibilities for any damage or injury that should occur because of, or as a result of, the use of faulty, remanufactured, or reloaded (hand loaded) ammunition, or of cartridges other than those for which the pistol was originally chambered for.

HK SP5K pistols are designed to fire quality, factory-loaded ammunition, loaded to NATO or SAAMI (Sporting Arms and Ammunition Manufacturers' Institute) specifications for use specifically in handguns.

The following guidelines should be considered when selecting the correct ammunition for your pistol:

1. Be sure the ammunition you have chosen is compatible with your pistol-proper caliber, cartridge, bullet weight, etc.
2. Prior to loading the magazine and chamber, carefully inspect all cartridges for the following abnormalities:
 - Cracked, split, dirty or corroded cases
 - Improperly seated projectiles and/or primers
 - Damaged projectiles.
3. Do not attempt to fire a cartridge in which the projectile has been forced back into the case. Upon firing, this condition may result in increased chamber pressure above safe limits.
4. DO NOT USE:
 - Reloads or remanufactured ammunition.
 - Aluminium or steel cased ammunition.
 - Non-jacketed or exposed lead ammunition.
 - Corrosive ammunition (primer and/or propellant).
 - Foreign and/or outdated military surplus
 - Any ammunition that exceeds NATO or SAAMI (Sporting Arms and Ammunition Manufacturers' Institute) pressure limits.
 - 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.
 - Ammunition exposed to oil, grease, water or direct sunlight. If possible, remove contaminants before use and cool down ammunition exposed to direct sunlight or heat. (Exposure to sources of heat could raise the chamber pressure of the cartridge above safe limits.)

WARNING! HK firearms are designed to function with quality, manufactured brass-cased ammunition. Use of steel or aluminum-cased cartridges is not recommended and could adversely affect safe and reliable functioning. Use of cast-lead bullets is also not recommended.

NOTE: HK handguns are safe for use with new, high-quality U.S. factory ammunition manufactured to SAAMI specifications. For further information go to www.saami.org or contact the manufacture of your ammunition directly.

SECTION 7 INSTRUCTIONS FOR USE

Know how to clear an SP5K pistol before attempting to operate.

CLEARING PROCEDURE

1. Point the muzzle of the SP5K pistol in a safe direction and place the safety lever in the safe position. Ensure the muzzle of the SP5K is pointed in a safe direction and that the operator's fingers are off the trigger and outside the trigger guard. Place the safety lever in the SAFE position (white cartridges symbol with white "X" through it). Safety lever is located on both sides of the receiver.

2. Remove the magazine. Depress the magazine release button on the right side of the receiver (Fig. 17[Ⓐ]) and remove the magazine from the magazine well (Fig. 17[Ⓑ]).

3. Open and lock the bolt to the rear. Grasping the charging handle on the left side of the receiver (located adjacent of the front sight) and move the bolt to the rear while keeping the muzzle pointed in a safe direction (Fig. 18). Place the charging handle in the upward, locking recess notch (Fig. 19 [Ⓐ] and [Ⓑ]). The bolt should be locked in the rear position. Watch for a cartridge or empty case to be ejected out through the ejection port.

4. Inspect the chamber. Inspect the chamber for the presence of a cartridge or empty case by (Fig. 20):

1. Visually inspecting the chamber through the open ejection port.
2. Physically inserting a finger through the magazine well and sweeping the chamber and feed ramp area.
3. Removing any cartridges or empty cases from the chamber or from within the SP5K.

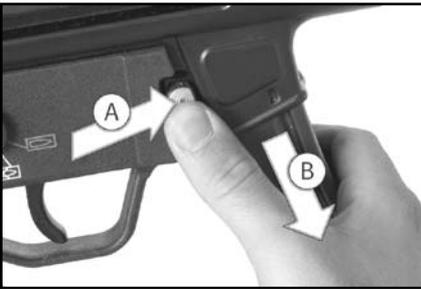


Fig. 17 – Remove the magazine



Fig. 18 – Move the bolt rearward

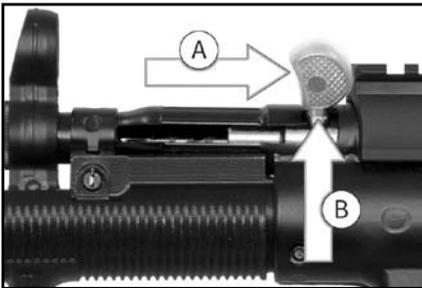


Fig. 19 – Lock the bolt rearward



Fig. 20 – Check the chamber

FILLING AND EMPTYING THE MAGAZINE

NOTE: Do not attempt to load more than the prescribed number of cartridges into the magazine. Do not alter the shape of the magazine housing, follower or spring. To do so may cause stoppages or the magazine may not seat properly in the pistol.

Filling the Magazine

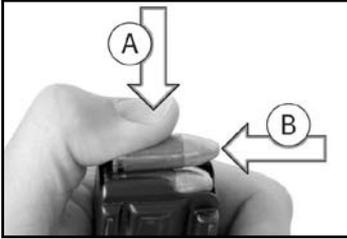


Fig. 21 – Loading the magazine



Fig. 22 – Unloading the magazine

1. Hold the magazine in the non-firing hand with the back side of the magazine resting against the palm .
2. Using the firing hand, hold a cartridge between the index finger and thumb with the projectile facing the palm.
3. Press the rim of the cartridge down against the forward edge of the magazine follower or on the top cartridge already in the magazine (Fig. 21 Ⓐ).
4. Slide the cartridge back into the magazine under the feed lips (Fig. 21 Ⓑ).
5. Repeat steps 1-4 until the magazine is full. Do not overfill the magazine.

Emptying the Magazine

Exert pressure with a finger on the base of the cartridge (Fig. 22) and push each cartridge forward out of the magazine until the magazine is empty.

LOADING

1. Lock charging handle rearward. Ensure the safety lever is in the “SAFE” position.
2. Pull charging handle all the way back and hold it (Fig. 23 Ⓐ).
3. Lock charging handle upwards in place into recess notch in receiver (Fig. 23 Ⓑ). The bolt group is held in rear position.

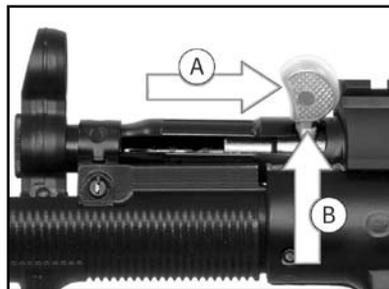


Fig. 23 – Lock charging handle

4. Insert magazine. When inserting the magazine into the SP5K, the bolt group should be locked in the rearward position.

5. Insert full magazine into the SP5K until the magazine catch engages.

WARNING! Risk of injury or death from accidental discharge of SP5K! A loaded SP5K is always a potential source of danger. Only load the SP5K immediately before firing and unload the SP5K immediately after firing.

6. Pull the charging handle all the way back.

7. Let the charging handle snap forwards. The SP5K now has a round in the chamber and is set to "SAFE". If the charging handle is locked back in the recess notch, vigorously slap it downward with your non-firing hand. Do not "ride" the bolt forward.

WARNING! Dropping and/or jarring a loaded firearm may result in a discharge of the firearm, even if the safety is in the "SAFE POSITION." It is the operator's responsibility to always keep the muzzle pointed in a safe direction, maintain control of the firearm, and keep the firearm unloaded until it is ready to be discharged. An uncontrolled discharge may cause property damage, personal injury and/or death.

FIRING

The HK SP5K is equipped with a bungee-type carrying sling (Fig 24 & 25). Using the carrying sling for additional support while shooting provides the most stable firing position and offers the prospect of the best possible hit results. When shooting, press the SP5K forward against the force of the carrying sling (Fig. 25). Using the carrying sling also prevents the SP5K from falling and striking the ground.

WARNING!

1. Be sure of your target and what's behind it! A bullet from a pistol travels as far as a mile. It can easily penetrate wood or plasterboard walls or even a car door.
 2. Be sure that your hands and all parts of your body are kept away from the muzzle of your pistol at all times!
 3. Always wear eye and ear protection when firing the pistol.
-



Fig. 24 – Sling snap-hook attached to SP5K backplate eyelet position

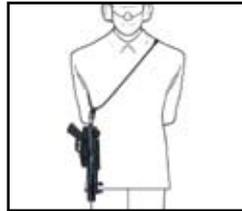


Fig. 25 – SP5K sling carry

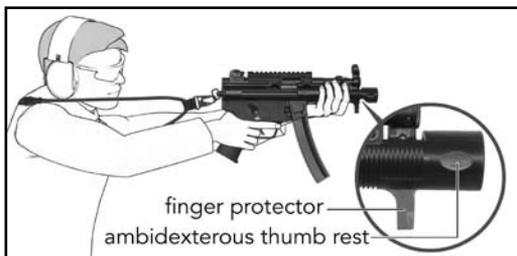


Fig. 26 – Two-handed grip firing position (with carry sling)

1. Acquire the proper sight alignment and sight picture (see Fig. 8, page 12).
2. Click safety lever to the "FIRE" position.
3. Gradually squeeze the trigger straight to the rear while attempting to avoid disruption to the sight picture and alignment.
4. Practice good follow-through techniques by maintaining proper sight picture and trigger squeeze until after the firearm has discharged.
5. After firing, or to reload, click the safety lever to the "SAFE" position.

WARNING! Risk of injury from reaching in front of the muzzle while firing. Shooters should avoid reaching in front of the muzzle while firing. Hold SP5K by the handguard and place the thumb on the thumb rest of the handguard.

UNLOADING

1. With the muzzle pointed in a safe direction, place the SP5K on safe by moving the selector lever to "SAFE" position (white cartridge symbol with X through it).
2. Remove magazine by grasping magazine housing, press magazine catch (A) and remove magazine (B) (Fig. 27).

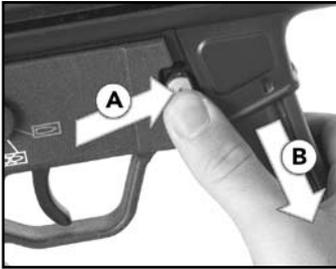


Fig. 27 – Unloading

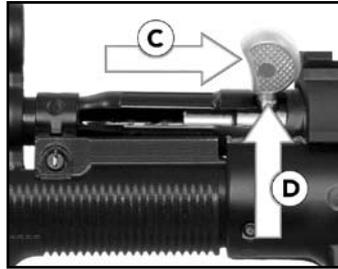


Fig. 28 – Unloading

3. Pull the charging handle (C) all the way back and place it in the recess notch (D). A cartridge will be ejected if rounds were present in the magazine. If the magazine was empty, no cartridge will be ejected.

NOTE: Risk of material damage from dropping the magazine! Dropping a magazine can damage the magazine lips and cause malfunctions. Remove the magazine by hand and avoid impacts on the magazine lips.

SELECTION AND USE OF A HOLSTER OR CARRYING SLING

Normally the SP5K will be used with an HK carry sling and not a conventional holster due to its size. Slings, holsters, and carry rigs designed for use with the MP5K will usually function with the SP5K. For more information, please contact HK Customer Service.

STORAGE AND TRANSPORT

1. Store or transport the SP5K and its components clean and lubricated.
2. Store and transport the pistol without cartridges in the chamber, magazine or in the storage container.
3. Store and transport the SP5K with the bolt forward and the hammer down (uncocked).
4. Clean and lubricate the pistol and its components at least every twelve (12) months during storage.
5. Store the pistol and its components in a clean, dry, dust-free environment with regulated temperature controls.
6. Store the pistol and ammunition separately under lock and key.

SECTION 8 DISASSEMBLY

DISASSEMBLY INTO ASSEMBLY GROUPS

WARNING! Risk of injury from improperly assembled SP5K! Improper assembly can compromise the safety and functioning of the SP5K. Only disassemble the SP5K to the extent described in this manual.

1. Clear the SP5K and carry out a safety check.
2. Push in locking pins for back plate and pull it out (Fig. 29).
3. Remove back plate to the rear.
4. Remove pistol grip downwards (Fig. 30).
5. Pull bolt group and recoil spring rearwards out of the receiver (Fig. 31).
6. Push in locking pin for handguard and pull it out.

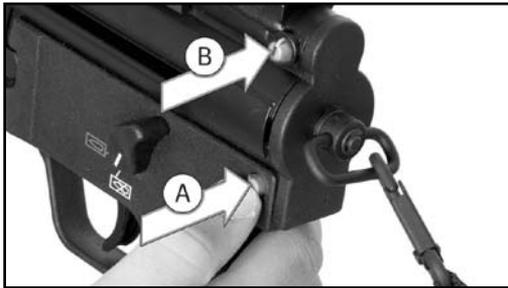


Fig. 29 – Push in locking pin for back plate



Fig. 30 – Remove pistol grip

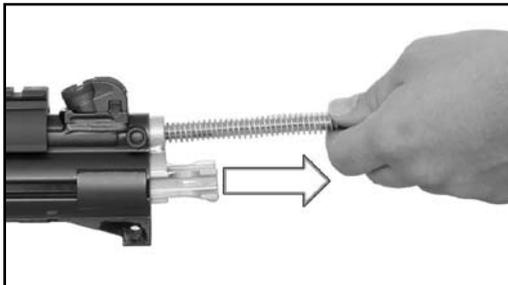


Fig. 31 – Remove bolt group and recoil spring

7. Pull handguard towards muzzle (A) and downwards (B) to remove it (Fig. 32).

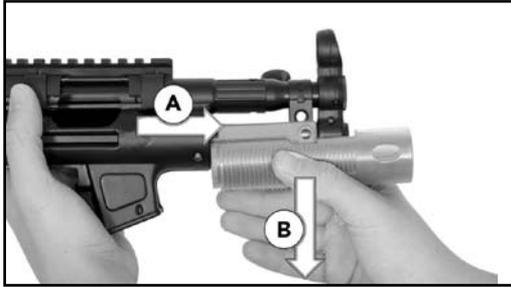


Fig. 32 – Remove pistol grip

Disassemble bolt group

1. Disassemble the SP5K into assembly groups.
2. Turn locking piece clockwise (Fig 33 (A))
3. Remove locking piece from bolt head carrier by bringing in forward (Fig. 33 (B))
4. Remove firing pin and pressure spring for firing pin forwards out of the bolt head carrier (Fig. 34).

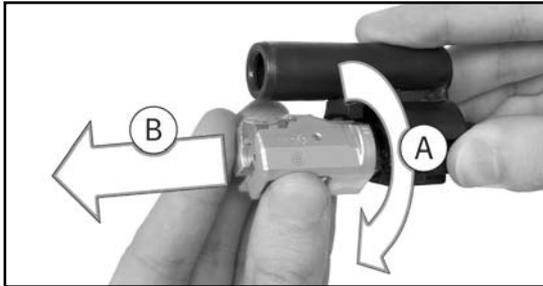


Fig. 33 – Remove the bolt head

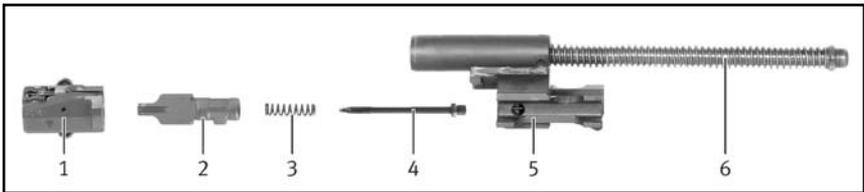


Fig. 34 – Components of the bolt group

- | | |
|----------------------------------|-----------------|
| 1 Bolt head | 4 Firing pin |
| 2 Locking piece | 5 Bolt group |
| 3 Pressure spring for firing pin | 6 Recoil spring |

Removal of Picatinny Rail Scope Mount

Only remove the Picatinny rail scope mount if it is damaged. Removal and installation of the rail scope mount requires a Torx TX15 insert. For installation, use of a torque wrench is recommended. Torque setting of 3 Nm/.67 pounds-force (lbf).

1. Place Torx insert in torque wrench.
2. Adjust torque wrench.
3. Loosen screws for Picatinny rail scope mount by turning counter-clockwise with the torque wrench (Fig. 35).
4. Press and hold clamps for Picatinny rail scope mount.
5. Pivot the Picatinny rail scope mount from right to left. Turn the scope mount from the receiver and remove it (Fig. 36).



Fig. 35 – Loosen screws

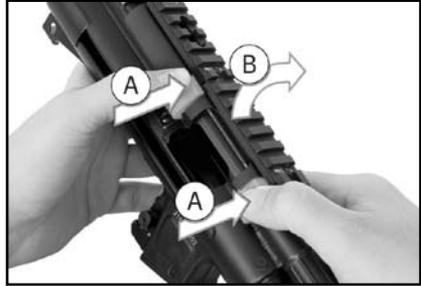


Fig. 36 – Remove Scope Mount

End of recommended disassembly procedure

Further disassembly, including disassembly of the pistol grip and the trigger mechanism is not necessary or recommended. For more information, please contact HK Customer Service.

MAGAZINE MAINTENANCE

NOTE: The SP5K pistol uses 30, 15, or 10-round capacity 9 mm magazines designed for use in HK MP5, HK94, and related models. Use of HK manufactured magazine is recommended.

Disassembly of magazines

Disassembly of SP5K magazines for maintenance is not necessary. Light lubrication for corrosion protection should be the only maintenance required..

SECTION 9 ASSEMBLY

Install Picatinny rail scope mount (normally already installed on the SP5K)

Required materials: Torque wrench 3 Nm/.67 pounds-force, Torx insert TX15

1. Place scope mount against receiver (Fig. 37).
2. Depress both scope mount clamps simultaneously and pivot the scope mount onto receiver until the clamps on the SP5K's mounting points click into place (Fig. 37).
3. Set the torque setting of 3 Nm/.67 pounds-force (lbf).
4. Place Torx insert in torque wrench.
5. Tighten screws for Picatinny rail clockwise with torque wrench until the torque is reached (Fig. 38).



Fig. 37 – Install Picatinny rail scope mount



Fig. 38 – Tighten screws

Assemble bolt group

1. Push pressure spring for firing pin onto firing pin (Fig. 39).
2. Place firing pin with pressure spring for firing pin into bolt head carrier (Fig. 39).
Observe assembly position of locking piece (Fig. 40).
3. Press locking piece completely into bolt head carrier and hold it.
4. Turn locking piece anti-clockwise until assembly position has been reached (Fig. 40).
5. Place bolt head with extractor upwards Ⓐ onto locking piece (Fig. 41).
6. Turn bolt head counter-clockwise Ⓑ until the connecting piece audibly and tangibly snaps into place (Fig. 41).

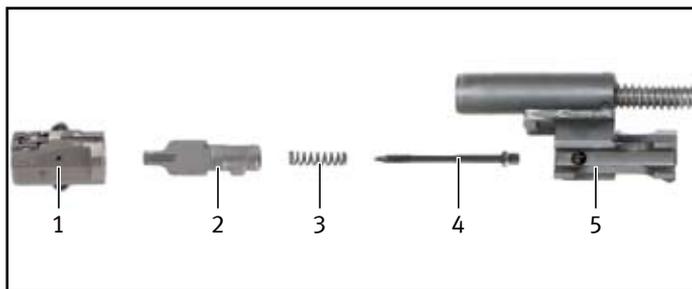


Fig. 39 – Assemble bolt group

- | | |
|----------------------------------|---------------------|
| 1 Bolt head | 4 Firing pin |
| 2 Locking piece | 5 Bolt head carrier |
| 3 Pressure spring for firing pin | |

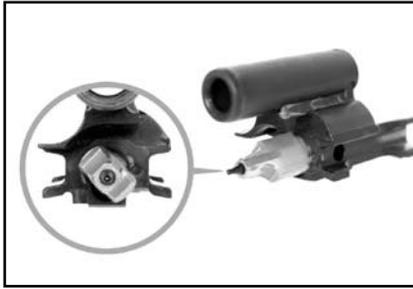


Fig. 40 – Assembly position for locking piece

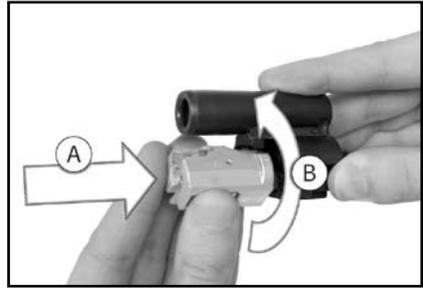


Fig. 41 – Insert bolt head

Assemble the assembly groups

1. Assemble bolt group.
2. Place handguard onto receiver from below and press it rearwards (Fig. 42).
3. Push locking pins for handguard into receiver. Locking pins can be pushed in from either side of the receiver.
4. Insert bolt group and recoil spring into receiver from the rear (Fig. 43).
5. Insert pistol grip into receiver and rotate upwards (Fig. 44).
6. Insert back plate into receiver.
7. Push locking pins for back plate into receiver (Fig. 45). Locking pins can be pushed in from either side of the receiver.

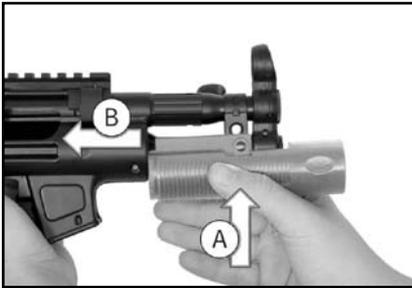


Fig. 42 – Install handguard

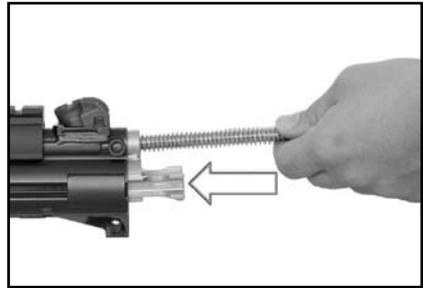


Fig. 43 – Insert bolt group and recoil spring



Fig. 44 – Insert pistol grip

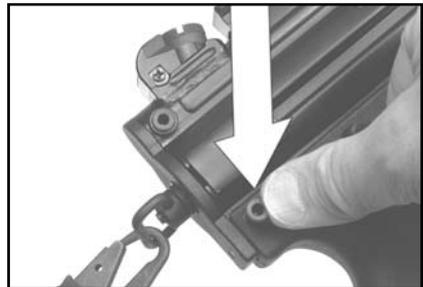


Fig. 45 – Insert locking pins

FUNCTION CHECK

It is essential that a function check be performed on the SP5K pistol after reassembly to ensure that the firearm's components have been correctly installed.

1. After assembling the gun, pull the cocking lever to the rear and release.
2. Put the selector on "SAFE" and pull the trigger. The SP5K should not fire.
3. Put the selector on "FIRE" and pull the trigger. The hammer should fall.
4. Keep the trigger pulled to the rear and cycle the cocking lever.
5. Release the trigger to ensure that the trigger will reset.
6. Repeat several time to make certain the SP5K functions correctly.

Contact the Heckler & Koch Customer Service Department at TEL: 706-568-1906 or EMAIL: cs@heckler-koch-us.com if you encounter any problems in attempting to disassemble, assemble, and/or conduct a function check on the SP5K pistol.

SECTION 10 CLEANING & MAINTENANCE

CLEANING

NOTE: The service life and performance of your HK SP5K pistol is dependent upon the correct handling and proper care by the operator.

Materials Required - Many commercially available firearms cleaning kits should be functional for cleaning and maintaining the SP5K. At a minimum, we suggest the following materials to properly clean a SP5K Series pistol:

- Cleaning rod with handle and patch holder
- Nylon toothbrush
- Bronze bristle bore brush (in the appropriate caliber)
- Cleaning patches (in the appropriate caliber)
- Lint-free wiping rag
- Cleaning solvent/lubricant
- Cotton swabs

CAUTION: Use safety goggles when using solvents and exercise care if using compressed air.

Regular cleaning and care of the SP5K and accessories

- maintain functional reliability,
- increase service life,
- prevent accidents, and
- save repair costs and time.

Clean SP5K each time it is fired and at intervals of 1000 rounds. The SP5K should also be thoroughly cleaned when the pistol is exposed to, or laden throughout, with sand, dust, water (especially salt water) or other visible contaminants or foreign matter.

NOTE: Risk of material damage from the use of excessive force! The use of excessive force during cleaning can damage the SP5K. Do not use excessive force when cleaning the SP5K.

WARNING! Risk of injury from improperly assembled SP5K! Improper assembly can compromise the safety and functioning of the SP5K. Only disassemble the SP5K to the extent described in this manual.

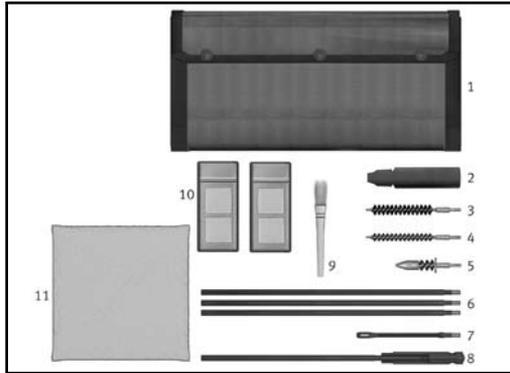


Fig. 46 – Sample cleaning kit

- | | |
|--------------------------|-----------------------|
| 1 Bag for cleaning kit | 7 Pull-through holder |
| 2 Oil bottle | 8 Handle rod |
| 3 Oil brush | 9 Cleaning brush |
| 4 Barrel cleaning brush | 10 Cleaning cloths |
| 5 Chamber cleaning brush | 11 Cleaning rag |
| 6 Extension rod (3x) | |

CLEAN SP5K

1. Disassemble SP5K.
2. Clean assembly groups.
3. Clean barrel.
4. Lubricate SP5K.
5. Assemble the SP5K.

CLEAN ASSEMBLY GROUPS

Required auxiliary materials: cleaning rag

1. Clean fouled parts and surfaces using cleaning rag.
2. Clean inside of receiver using cleaning rag.
3. Clean pistol grip, recoil spring, firing pin and bolt head using cleaning rag.
4. Clean firing pin bore in bolt head using cleaning rag.
5. Clean magazine well, magazine and follower using cleaning rag.
6. Visually check SP5K for damage.

CLEAN BARREL

Required auxiliary materials: Oil, cloth cleaning pull-throughs, cleaning kit

1. Screw together handle rod, extension rods and chamber cleaning brush.
2. Clean chamber and locking piece using chamber cleaning brush.
3. Replace chamber cleaning brush with barrel cleaning brush.
4. Pull lubricated barrel cleaning brush through the barrel several times. To protect the barrel crown, it is recommended inserting the brush from the chamber to the muzzle.
5. Replace barrel cleaning brush with pull-through holder.
6. Insert clean cleaning pull-throughs in pull-through holder.
7. Pull clean cleaning pull-throughs through barrel several times until barrel is free of oil and foreign bodies.
8. Replace cleaning pull-through with oil brush.
9. Pull lubricated oil brush through barrel.

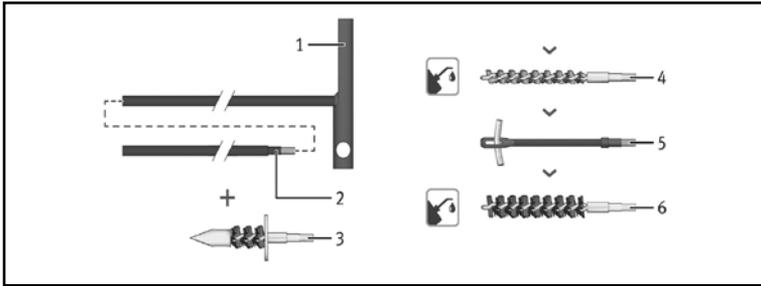


Fig. 47 – Sample cleaning kit components

- | | |
|--------------------------|-------------------------|
| 1 Handle rod | 4 Barrel cleaning brush |
| 2 Extension rod | 5 Pull-through holder |
| 3 Chamber cleaning brush | 6 Oil brush |

NOTE: Risk of material damage from incorrect cleaning direction! Cleaning the barrel from the muzzle end may damage the muzzle. A damaged muzzle will decrease the SP5K's accuracy. Always clean the barrel starting from the chamber end.

LUBRICATION

Required auxiliary materials: Oil

1. Lubricate cleaned metal parts thinly.
2. Lubricate lubrication points of bolt group (Fig. 48).
3. Lubricate lubrication points on pistol grip (Fig. 49).
4. Lubricate lubrication points of functional elements (Fig. 50).
5. Lubricate outside of magazine thinly.

NOTE: Risk of material damage from lubricated cartridges! Lubricated cartridges result in increased loads on components and can damage the SP5K. Do not lubricate the inside of the magazine.

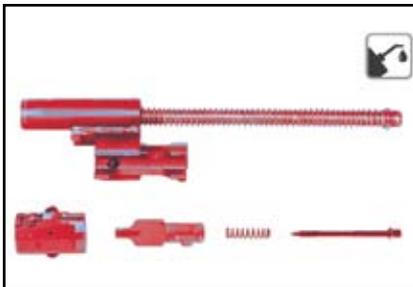


Fig. 48 – Lubrication points of bolt group



Fig. 49 – Lubrication points on pistol grip



Fig. 50 – Lubrication points of functional elements

CAUTION: Do not use a stainless steel bore brush which can scratch the bore and reduce accuracy.

NOTE: All parts of SP5K pistols can be immersed in any cleaning solvent that is safe to put your hands into, including ultrasonic cleaning solution. Use of ultrasonic cleaning machines can result in the unwanted removal of colored reference markings of the frame, extractor and control lever (where applicable). Use of ultrasonic cleaning is normally not necessary or recommended when using standard ammunition in HK pistols with less than 10,000 rounds of service. All components should be thoroughly dried after being immersed in solvents of any kind before reassembly and all of the firearm's critical components should be lubricated in accordance with the applicable operator/maintenance instructions after being thoroughly dried. For special cleaning recommendations under extreme conditions, please contact HK Customer Service.

INSPECTION

During and after cleaning, visually inspect the pistol and its components for any irregularities that may cause problems or stoppages during operation. Generally, you should keep a watchful eye out for the discrepancies listed below.

Always clear the pistol before conducting your inspection!

Check for:

- Damaged or missing parts
- Improper assembly or function
- Absence of free movement, where applicable
- Absence of spring tension, where applicable
- Unaccustomed looseness
- Parts exhibiting signs of cracks, burrs, dents or obvious signs of damage or stress
- Presence of stops or tactile clicks, where applicable
- General overall cleanliness
- Presence of sufficient lubrication
- Presence of corrosion or degradation of surface finish.

WARNING! HK pistol designs represent an optimization of a combination of safety, speed of deployment, accuracy, dependability, and durability. Do not attempt to make an HK pistol "better" by altering any of its components. Altering any part of the pistol or magazine may cause injury or death and will also void any HK warranty on the product.

TROUBLESHOOTING PROBLEMS AND REPAIR

Common causes of problems that are often overlooked include:

- Fouled or improperly lubricated pistol
- Bad ammunition
- Damaged magazines
- Operator error

If your SP5K pistol still fails to function, please contact HK Customer Service at 706-568-1906 for the name and address of your nearest HK Authorized Repair Facility. Law enforcement users, contact your unit armorer or HK Customer Service.

NOTE: If after reviewing this manual you still have questions, please contact HK Customer Service at 706-568-1906 or by email: cs@heckler-koch-us.com.

WARRANTY REGISTRATION

New HK firearms purchase by civilian/commercial customers are covered by Heckler & Koch's Limited Lifetime Warranty. Warranty registration is now on-line. To register your new HK firearm go to:

<http://hk-usa.com/warranty/register.html>

If you don't have access to the internet, contact HK Customer Service, 5675 Transport Boulevard, Columbus, Georgia 31907, TEL: (706) 568-1906, FAX: (706) 568-9151, EMAIL: cs@heckler-koch-us.com to obtain a warranty registration form by mail.

SECTION 11 SP5K ACCESSORIES

RAIL MOUNTED ACCESSORIES

HK SP5K pistols have a MIL-STD-1913 (Picatinny rail) scope mount rail installed on the top of the receiver. This scope mount allows the operator to mount a wide variety of accessory scopes, sights, and aiming devices to the handgun by means of the simple and proven Picatinny interface system. (see Fig. 51).



Fig. 51 – Accessory sight module mounted on SP5K pistol

To avoid damage to the accessory and the SP5K pistol, carefully follow the instructions of the manufacturer for installing, operating, and removing accessories from the scope mount rail. Always ensure the SP5K pistol is “clear” and unloaded before installing or removing accessories. If encountering difficulty, please contact HK Customer Service to avoid damage to the pistol or the accessory.

Installation of some accessories can change the status of the SP5K from civilian handgun to a Short Barrelled Rifle (SBR) or Class III firearm requiring licensing from federal and state authorities. Contact the relevant law enforcement agencies (including the U.S. BATFE) before installing accessories like buttstocks and handguard with a vertical foregrip.



Fig. 52 – Magazine loader



Fig. 53 – Magazine unloader

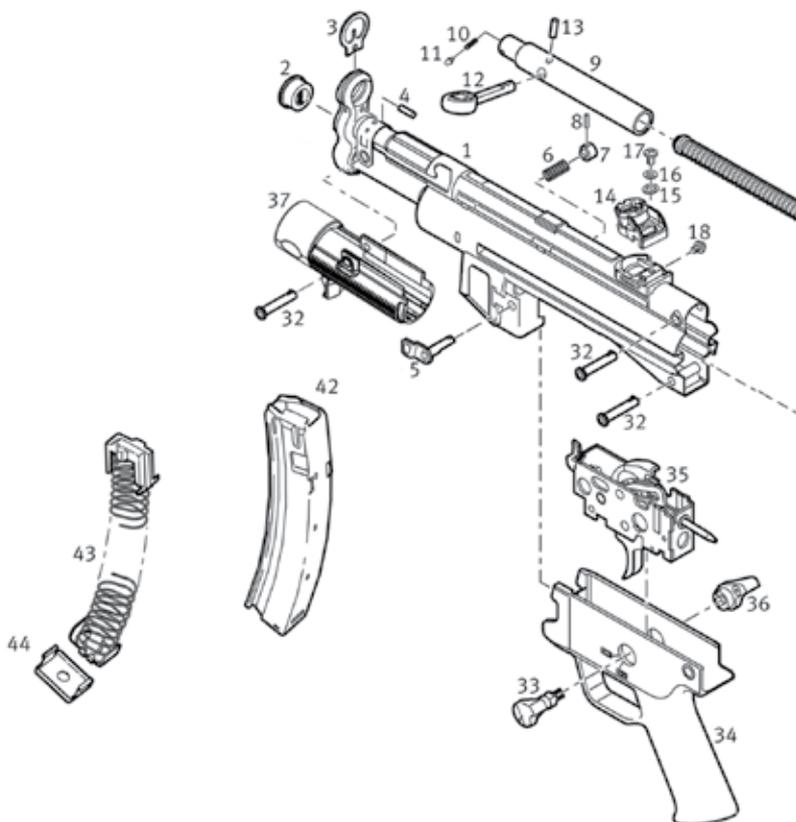


Fig. 54 – Spare magazines

WARNING! Improperly designed or installed accessories may result in damage to the rail system and/or the pistol. Such damage is not covered under warranty. Be certain to use only HK approved accessories and follow installation and precautions carefully.

NOTE: If after reviewing this manual you still have questions, please contact HK Customer Service at 706-568-1906 or by email: cs@heckler-koch-us.com.

SECTION 12 SP5K EXPLODED VIEW & PARTS LIST



Item	Description	Part Number	Item	Description	Part Number
—	SP5K Self-Loading Pistol (Item 1 - 41) ...	241736	14	Rear sight, compl.	206407
1	Receiver, compl. (Item 1 - 18)	226386	15	Washer	200371
2	Cap, compl.	206497	16	Toothed lock washer	922617
3	Front sight	200415	17	Clamping screw for rotary rear sight	200372
4	Clamping sleeve	922609	18	Windage adjustment screw	200384
5	Magazine catch	214858	—	Bolt group, compl. (Item 19 - 31)	226387
6	Compression spring for magazine catch	200393	19	Locking piece	224786
7	Push button for magazine catch	202538	20	Firing pin	201600
8	Clamping sleeve for push button	922608	21	Firing pin spring	214327
—	Cocking lever support, compl. (Item 9 - 11)	206423	—	Bolt head, compl. (Item 22 - 27)	214412
9	Cocking lever support	206410	22	Bolt head	217418
10	Compression spring for cocking lever ..	206397	23	Extractor	214414
11	Catch bolt	206622	24	Extractor spring	206645
12	Cocking lever, compl.	205905	25	Locking roller, Ø 8 mm (2x)	200446
13	Clamping sleeve	922609	26	Holder for locking rollers	214333
			27	Clamping sleeve	200450
			28	Catch pin	201597

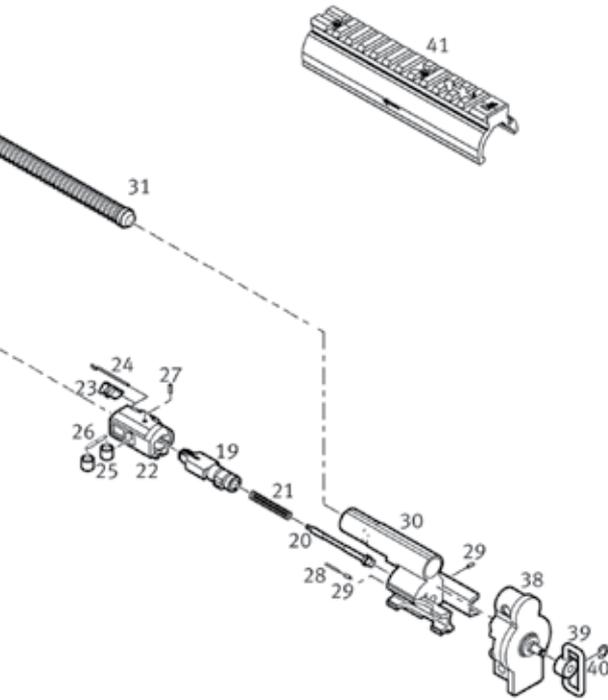


Fig. 55
SP5K Exploded Diagram

Item	Description	Part Number	Item	Description	Part Number
29	Clamping sleeve (2x)	205597	42	Magazine body.....	206305
30	Bolt head carrier, compl.	226388	43	Magazine spring with follower and insert	206676
31	Recoil spring guide rod, compl.	206400	44	Floor plate	201654
32	Locking pin (3x)	200459	-	Magazine, complete, 10 rounds (Item 42 - 44)	239257S
-	Pistol grip (0-1), compl. (Item 33 - 36) ..	239222	42	Magazine body.....	239321
33	Safety axle, compl.	225526	43	Magazine spring with follower and insert	206678
34	Pistol grip, finished (0-1)	239225	44	Floor plate	201654
35	Trigger housing, compl.	225524	-	Elastic carrying sling	984515
36	Safety lever	225089			
37	Handguard	239396			
-	Cap, compl. (Item 38 - 40)	206409			
38	Cap	206416			
39	Eyelet	205935			
40	Circlip	929299			
41	Picatinny rail, compl.	226207			
-	Magazine, complete, 30 rounds (Item 42 - 44)	206349S			



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