



P9S
AUTOMATIC PISTOL
Caliber .45 ACP

HECKLER & KOCH, INC.
2148 Pacific Boulevard
Sterling, Virginia 20166-8903 U.S.A.
TEL. (703) 450-1900
TELEFAX (703) 450-8160
TELEX 7109550846

P9S

Automatic Pistol
Caliber .45 ACP



Instruction Manual


Heckler & Koch, Inc.
U.S.A.

**WARNING: READ ALL INSTRUCTIONS BEFORE
HANDLING & USING THIS FIREARM.**

Safety Rules

PLEASE READ THIS BEFORE HANDLING YOUR FIREARM.

The following safety rules are placed in this manual by Heckler & Koch, Inc. as an important reminder that firearms 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 one, i.e., downrange
2. Always treat all firearms as if they were loaded.
3. Keep your finger off the trigger until your sights are on the target.
4. Keep your finger off the trigger while loading or unloading the pistol.
5. Keep your finger off the trigger while pulling pistol out of the holster or holstering.
6. Be sure of your target and the back stop beyond.
7. Never give to or take a firearm from anyone unless the action is open.
8. Be sure that the ammunition you are using is factory loaded and is not damaged in anyway.
9. Before firing, remove the magazine from the weapon, lock the bolt to the rear and check the barrel of your unloaded firearm for any possible obstructions.
10. Before firing any firearm unfamiliar to you, make sure that you understand how it functions. Unfamiliarity can cause serious accidents. Attend a certified training course on any firearm which you intend to use or with which you are not sufficiently familiar.
11. Wear hearing protection and eye protection when shooting your firearm.
12. Keep your hands and fingers away from the muzzle to avoid injury or burns.
13. Firearms and ammunition should be stored separately beyond the reach of children and untrained or irresponsible adults.
14. Avoid the use of alcoholic beverages before and during any shooting.

REMEMBER: A FIREARM HAS THE CAPABILITY OF TAKING YOUR LIFE OR THE LIFE OF SOMEONE ELSE! BE CAREFUL WITH YOUR FIREARM – AN ACCIDENT IS ALMOST ALWAYS THE RESULTS OF NOT FOLLOWING BASIC SAFETY RULES.

NOTES:

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HECKLER & KOCH GmbH in Oberndorf/Neckar has a long tradition and vast experience in the development and manufacture of automatic small arms.

In particular the well proven **Automatic Rifle G3**, standard weapon of the Federal German Army and the armed forces of numerous NATO countries as well as the **HK Weapons System** which was developed from it, are manufactured of quality materials in accordance with the non-cutting method, the most economic and advanced method in modern weapons technology.

And, of course, this also applies to the **P9S Automatic Pistol**

Characteristics

The P9S Automatic Pistol with double action trigger has a concealed hammer and lateral cocking lever with uncocking safety. This high-performance automatic pistol is characterized by the polygon groove shape of its stationary barrel and its recoil-operated roller-locked bolt system.

This locking system has met with particular interest in modern weapons technology. By breaking down the momentum in the bolt, the recoil velocity of the slide is significantly reduced, and with it the perceptible kick.

Gas cutting is largely eliminated because there are no pronounced grooved and lands in the polygon barrel, resulting in increased projectile velocity and notching resistance, and making it easy to clean.

In conjunction with the short distance between the upper edge of the shooter's hand and the axis of the barrel, the above characteristics ensure that this pistol is extremely accurate and line up fast.

We were one of the first to recognize the excellent suitability of plastic material for certain parts of our weapons and equipment. The high resistance of the new plastics to extreme temperature variations has proven to be of exceptional value, such as on the grips of military arms for example. For this reason, the receiver of the P9S is covered completely with plastic.

NOTES:

NOTES:

Handling the P9S Automatic Pistol

Safety

The **safety** can be **engaged** or **disengaged** by switching the safety lever.

If the red mark is visible the safety is off.

Fig. 1: Safety off



If the white mark is visible the safety is on.

Fig. 2: Safety on

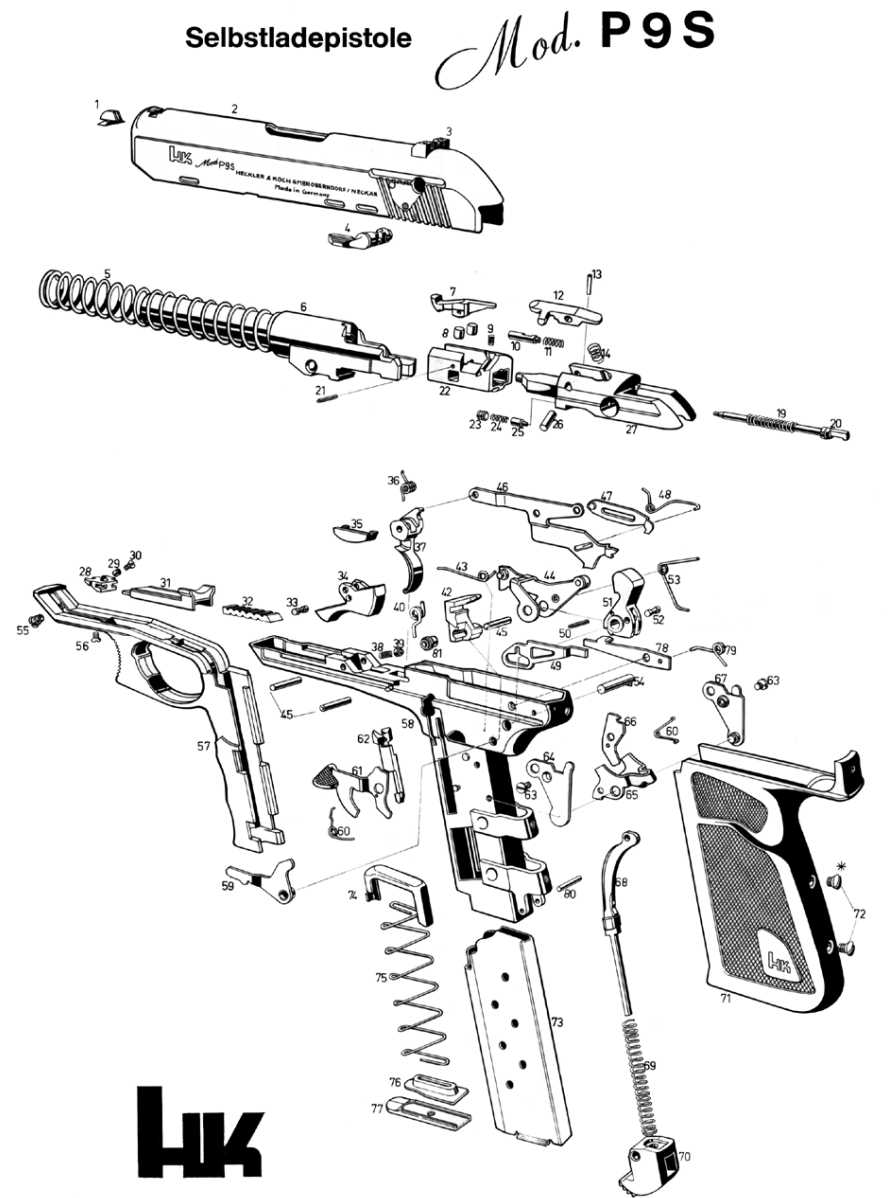


Filling the Magazine

Insert the cartridge under the magazine lips, base first, by pressing down follower or the cartridge. The magazine holds 7 cartridges.



Fig. 3: Filling the magazine



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Components of the P9S Automatic Pistol Cal .45 ACP

1	Front sight	44	Disconnecter
2	Slide	45	Cylindrical pin
3	Rear sight	46	Pull bar
4	Safety	47	Trigger lever
5	Recoil spring	48	Spring for pull bar
6	Barrel	49	Indicator pin
7	Extractor	50	Spiral pin
8	Locking rollers	51	Hammer
9	Compression spring	52	Stop pin
10	Pressure pin	53	Spring for disconnecter
11	Compression spring for pressure pin	54	Axle for hammer
12	Locking catch	55	Threaded bush
13	Clamping sleeve	56	Raised countersunk head screw
14	Compression spring	57	Trigger guard
19	Firing pin spring	58	Receiver
20	Firing pin	59	Safety catch
21	Spiral pin	60	Elbow spring
22	Bolt head	61	Cocking lever
23	Threaded pin	62	Catch
24	Compression spring	63	Countersunk screw
25	Catch bolt	64	Bearing plate, left
26	Cylindrical pin	65	Angle lever
27	Bolt head carrier	66	Intermediate lever
28	Support	67	Bearing plate, right
29	Sleeve	68	Shank
30	Raised countersunk head screw	69	Compression spring
31	Buffer housing	70	Magazine catch
32	Plastic buffer	71	Combat grip
33	Stop pin	72	*Raised head countersunk screw
34	Barrel catch	73	Magazine housing
35	Insert piece	74	Follower
36	Trigger spring	75	Follower spring
37	Trigger	76	Support for follower spring
38	Compression spring	77	Magazine floor plate
39	Catch bolt	78	Ejector
40	Elbow spring	79	Ejector spring
41		80	Pin for magazine catch
42	Catch lever	81	Flanged bush
43	Spring for catch		

*Use short screw in topmost hole of grip

Loading and Cocking the Pistol

Only with the safety on!

First method

Insert a filled magazine into the closed weapon until the magazine catch engages. Pull back slide all the way and let it snap forward. This chambers the top cartridge from the magazine (Fig. 4).

Second method

Pull back slide all the way and press the cocking lever upward until the catch engages the notch. Now insert a filled magazine into the open weapon.

Either: Pull slide back and release.

Or: Press cocking lever downward.

In both cases the slide will snap forward and chamber the top cartridge from the magazine.



Fig. 4: Pull back slide

With both methods the pistol is then **loaded**, the hammer is **cocked** and the **safety is on**.

The **indicator pin** (Fig. 5) which can be both seen and felt at the rear of the slide shows that the **hammer is cocked**. The protruding extractor (Fig. 6) lets the shooter both see and feel **that a round is in the chamber**.

Fig. 5: Indicator pin

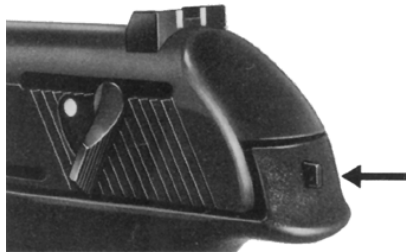


Fig. 6: Extractor



Reloading when the magazine is empty

After the last round has been fired, the slide will remain in its rearmost position. To continue firing immediately, simply exchange the empty magazine for a full one and

Either: Press the cocking lever downward, causing the slide to snap forward.

Or: Pull the slide back slightly and let it snap forward. The pistol is again ready to fire.



Fig. 7: Reloading the pistol

Technical Data

P9S Automatic Pistol

Operating principle.....	Recoil operated
Action.....	Roller locking system
Feed.....	7 round straight magazine
Caliber.....	.45 ACP
Muzzle velocity –Vo-.....	approx 840 fps
Muzzle energy –Eo-.....	approx 370 ft lbs
Length of pistol.....	7.6 in
Height of pistol.....	5.4 in
Width of pistol over grips.....	1.3 in
Length of barrel.....	4.0 in
Sight radius.....	5.8 in

Weights

Pistol, without magazine.....	approx. 27.85 oz
Magazine, filled with 7 cartridges.....	approx. 7.78 oz



Fig. 17: Adjusting the elevation

Adjusting the windage

Rotate the windage adjusting screw in the desired direction with the screwdriver (Fig. 18):

Rotating clockwise moves the shot to the **left**

Rotating counter-clockwise moves the shot to the **right**

Each click shifts the point of impact approx. 0.4" to the left or the right at a range of 27.3 yds.



Fig. 18: Adjusting the windage

Unloading the Pistol

Engage the safety!

Remove the magazine (Fig. 8). Pull the slide back all the way; cartridge will be ejected.

Check to make sure that there is no round in the chamber. Permit the slide to snap forward again.



Fig. 8: Press back magazine catch

Uncocking the Pistol

In loaded or unloaded condition. **Engage the safety, press down the cocking lever**, pull trigger all the way back, permit cocking lever to return slowly upward again, release trigger.

Should your thumb accidentally slip off the cocking lever, the hammer is caught by the uncocking safety.

If the trigger is accidentally pulled, **with the safety on**, before the cocking lever is depressed, the safety catch will then prevent the hammer from striking the firing pin. **Dry firing only with safety off.**

If the pistol is to be carried ready to fire, disengage the safety again.

Firing

Firing with the hammer cocked

Pistol loaded (cartridge in the chamber).

Disengage the safety.

Pull the trigger; this will release the cocked hammer.

Light trigger pull = increased accuracy.

Firing with the hammer uncocked and double action trigger

Pistol loaded (cartridge in the chamber).

Disengage the safety.

Pull the trigger; the hammer will cock until it is released. The relatively light **double action trigger** permits the hammer to be cocked for the **first shot** or to be **re-cocked** in the event of a misfire. The double action trigger results in longer trigger travel and increased trigger pull.

Field Stripping for Cleaning

Engage the safety!

Remove the magazine.

Pull slide back all the way and check to make sure that there is no round in the chamber.

Permit the slide to snap forward again.

Press the barrel clamp in the trigger guard forward and upward.

Move the slide as far forward as it will go and lift off. (Fig. 9)



Fig. 9 Remove slide.

The hammer must now not disengage. If it does, it is set too finely and the screw must be backed off further. If set too finely, the pistol could double; if this is the case, turn back the fine adjustment screw even further.

It is not possible to regulate the trigger pull.

Rotating **clockwise** reduces the engagement of the catch lever in the hammer, rotating **counter-clockwise** increases it.

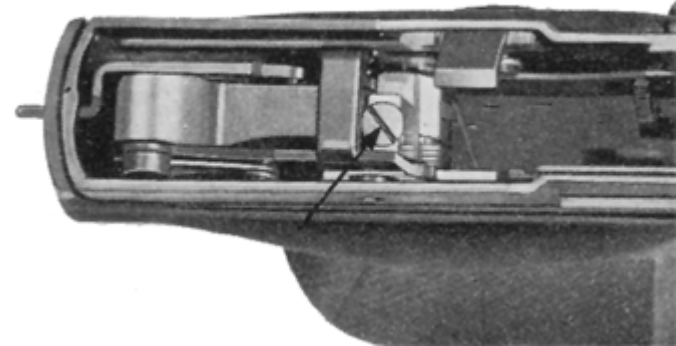


Fig. 16 Regulating the fine adjustment device

Click sight

To provide the target shooter with individual sights, a click sight, adjustable for elevation and windage with 8 clicks per revolution was developed by H&K.

Adjusting the elevation

Rotate the elevation adjusting screw in the desired direction with the screwdriver (Fig. 17):

Rotating **clockwise** lowers the point of impact approx. 0.6" per click at a range of 27.3 yds, rotating **counter-clockwise** raises it accordingly.

Assemblies (Fig. 14)

- 1 Slide
- 2 Barrel with recoil spring
- 3 Receiver
- 4 Magazine

Special Accessories

Trigger stop

The trigger stop for the P9S Automatic Pistol is located in the trigger guard on the receiver and limits the trigger travel immediately after the hammer has been released; it simultaneously interrupts actuation of the double action trigger. The trigger stop must be swiveled away for firing with the double action trigger. It can be loosened or clamped by means of the screw (Fig. 15) and can be set as desired. (Must be performed after setting the fine adjustment feature.)

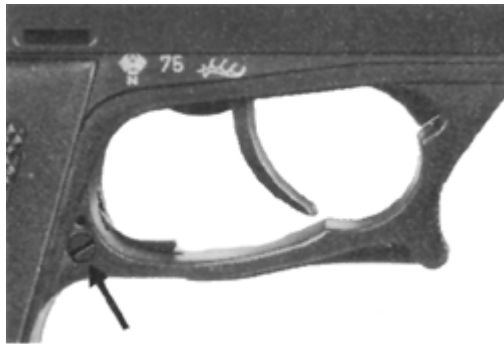


Fig. 15 P9S with trigger stop

Fine adjustment feature

A fine adjustment device can be installed in the receiver for increased trigger travel precision.

The setting operation is best performed as follows:

Remove the slide and cock the hammer. Rotate the setting screw clockwise until the hammer snaps. Now back off the screw one half turn. Replace slide, pull back all the way and let it snap forward again.

To remove the barrel, push it forward against the pressure of the spring until it can be removed from the slide.

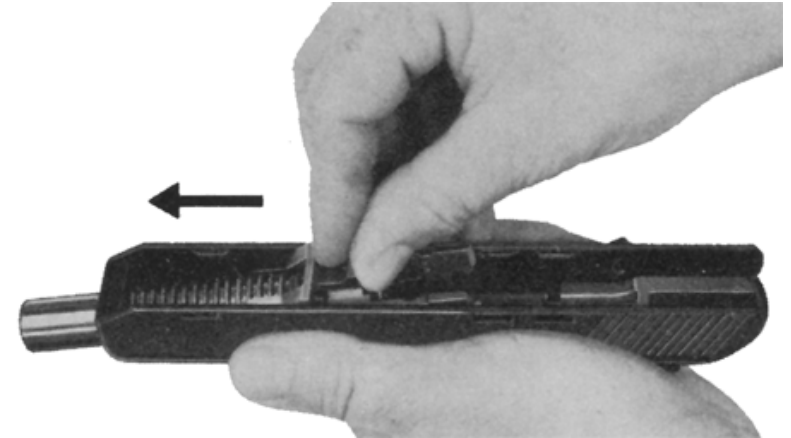


Fig. 10 Remove the barrel

Fig. 11 Press against the locking catch.

To **remove the bolt head**, with one shank end of the barrel extension between bolt head and slide, press against the locking catch until both head springs forward and the bolt can be removed.

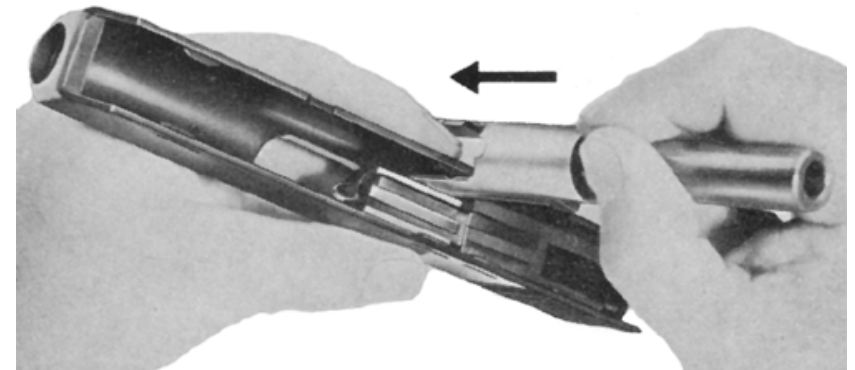


Fig. 11 Press against the locking catch.

Assembling the Pistol

Caution: Safety required that both rollers be in place in the bolt head when assembling the weapon.

To insert the bolt head, place its rectangular opening on the locking piece (extractor towards the ejection port) and, as when removing, press the locking lever downward with one shank of the barrel extension and pull the bolt head back again until it engages.

Push the barrel, with the recoil spring (wider end of spring facing forward), obliquely into the hole in the slide against the pressure of the spring (Fig. 12), then place the barrel entirely into the slide and permit to travel back until the locking rollers engage.

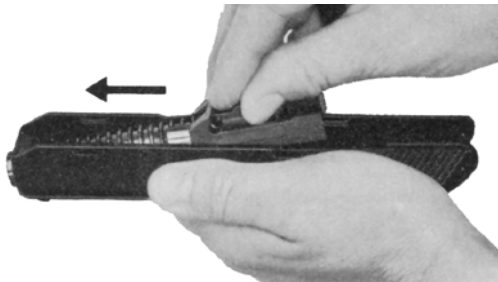


Fig. 12 Insert barrel

Place the slide on the receiver in such a manner that the front guide lugs can engage the corresponding recesses in the receiver. Press the slide into the receiver, pull back and let it snap forward again (Fig. 13). Uncock the pistol and insert magazine.



Fig. 13 Place slide on receiver

Care of the Pistol

For cleaning, the pistol must merely be field-stripped as described on pages 7 & 8.

The service life and the performance of your pistol depend upon correct handling and proper, regular cleaning.

The barrel must be cleaned after every shooting. Generally, cleaning consists of removing dirt and moisture. Bright parts must be wiped clean and lubricated lightly with oil.

Any commercial chlorine and acid-free solvent, gun oil or gun grease can be used. It is best to grease the slide guide only lightly.



Fig. 14 Assemblies