



# Beretta pistol



series **950**

**Beretta U.S.A. Corp.**

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# BERETTA



**Mod. 950 BS  
with tilted barrel**

## **BERETTA 950 BS SERIES AUTOMATIC PISTOLS**

**CAUTION:** Read this manual carefully BEFORE loading the pistol.

### **INTRODUCTION:**

This newly developed model is available in caliber .25 ACP and .22 short with features rarely found in sporting pistols. It has the strength, precision, sturdiness and safety devices usually characteristic of pistols in larger caliber, weight and dimensions.

No physical strength is required in loading due to a unique barrel mounting system. By a simple movement of a lever the barrel is released for direct chamber loading. Close the barrel, insert a loaded magazine, cock the hammer and you are ready to shoot this pistol for the full enjoyment of the sport.

Beretta's world famous reputation for making the finest product will continue to be maintained in manufacturing of the Series 950 BS in the United States.

The 950 BS pistol has INERTIA type firing pin and exposed hammer, which is found on all Beretta Pistols in larger calibers, with the known advantage of allowing a cartridge in the chamber with the hammer fully lowered, assuring the greatest safety if necessary to carry the pistol chamber loaded (NOT RECOMMENDED).

The 950 BS pistol also employs a MANUAL THUMB SAFETY. The Safety can be engaged to its "ON" position by an upward flick of the thumb — it can be engaged with the hammer either Fully-Cocked or Half-Cocked. The Safety prevents accidental trigger pull. See paragraph BASIC SAFETY. When the Safety is disengaged "OFF" (down), a Red Warning Dot is visible.

The Frame is machined from a high strength aluminum alloy forging, and its surface is black anodized finished.

The Barrel is machined from a special high grade barrel steel forging, and its surface is protected by a "deep durable" hot-blueing.

The Slide is machined from a high strength steel forging, and blued by the same process as the barrel.

The small parts are manufactured of special selected high quality steel and hardened according to each part's individual function. All parts are made to tight tolerances to insure the highest degree of interchangeability.

## **BASIC SAFETY:**

A firearm when loaded has the potential to kill. Intelligently handled, it is safe.

An accident is always the result of neglect of the basic safety rules.

Accident prevention is the responsibility of anyone handling a firearm.

Always treat a firearm as if it were loaded.

Always point the muzzle in a SAFE DIRECTION.

Before loading a firearm be sure you know how it functions.

Be sure to use correct and undamaged ammunition.

Be sure to keep your firearm clean — before loading inspect the barrel to insure it is perfectly clean and free of foreign objects. Shooting with an obstruction in the barrel such as dirt, mud, grease, lodged bullet or jacket, etc., can cause barrel bulging and/or rupture.

Never shoot at a hard flat surface or water when target shooting; always be sure your backstop is adequate.

Avoid alcoholic beverages before and during shooting.

Extreme care must be taken to avoid hard hitting or dropping of a loaded firearms. Even if on SAFE accidental discharge may occur — some ammunition has very sensitive primers.

Shooting Glasses and Earplugs: Shooting Glasses are a MUST; chances of gas, gunpowder and dirt particle blowback are remote, but do exist. Earplugs reduce the chance of temporary or permanent loss of hearing when shooting — particularly on an indoor range.

Firearms Safety Course: To familiarize yourself with the proper use of firearms, attend a Firearm Safety Course in your area. Remember — only YOU are responsible for the firearm in your hands. Prevent accidents by knowing its function. HANDLE IT WITH RESPECT NOT FEAR. Safety Devices on firearms are EXTRAS and are not substitutes for safe handling.

## **SAFE STORAGE OF PISTOL AND AMMUNITION:**

A loaded/unloaded pistol in an unlocked area is not safe from the curiosity seeker. If stored in an unlocked area, be SURE the pistol is unloaded and the ammunition is stored elsewhere.

To avoid corrosion during storage, the pistol should be thoroughly cleaned and all metal surfaces protected by a light film of a good grade of gun oil. Store pistol unwrapped in a container placed in a ventilated area.

Store ammunition in a container placed in a cool ventilated area.

## **AMMUNITION:**

Before leaving the factory the pistol has been: thoroughly inspected, proof load testfired for material strength and performance, and testfired with several rounds of standard factory loaded ammunition.

After "break in" shooting you may find that your pistol (like most other semi-auto pistols) shoots better with one or two brands of ammunition.

The Model 950 BS is chambered for cal: .22 short also known as .22 Kurz, .22 Corto or 5,6mm Corto.

The Model 950 BS is chambered for cal: .25 Auto also known as .25 ACP or 6.35mm Browning.

## **SAFE TRANSPORTATION:**

If local laws permit carrying your pistol in a vehicle, check that it is unloaded (empty chamber, magazine removed, and the hammer fully lowered).

IN THE FIELD (where legal), the pistol should be carried unloaded (empty chamber, magazine removed and hammer fully lowered) in a holster, with the magazine in a belt pouch or pocket. It takes only a second to insert the loaded magazine, and a fraction of a second to retract and release the slide for chamber loading and cocking; or, if preferred, to release the barrel for direct loading and hammer cocking, making the pistol ready to fire.

Remember — keep your finger OUTSIDE the trigger guard.

ON THE RANGE, the magazine should be removed and the barrel released until ready to fire. Never load the chamber until you are ready to fire.

NOTE: The situation could arise in shooting (field or range) when the chamber is loaded and you want to lock the cocked hammer to prevent inadvertent discharge. Here the THUMB or MANUAL Safety should be used. Controlling the muzzle direction, push the Safety fully into its upward position.

Remember — the pistol is still cocked and loaded!  
As soon as possible UNLOAD the pistol.

Remember—The quick barrel release can always be used as a Safety device against accidental discharge; and as such, is visual to bystanders.

#### **LOADING THE MAGAZINE:**

CAUTION!! Make sure the pistol is not already loaded:

To Remove The Magazine:

Depress the Magazine Release Button located on the left side's lower rear corner of pistol grip, and withdraw magazine.

To Load The Magazine:

Hold the magazine in the left hand. With your right hand place a cartridge on the follower in front of the lips, press down and slide the cartridge completely back under the lips. Repeat until the magazine is fully loaded. Holes on both sides of the magazine allow for visual counting of cartridges.

#### **TO LOAD THE PISTOL BY THE BARREL TILTING METHOD:**

Easy chamber loading without slide manipulation to full magazine capacity plus one.

Push the fully loaded magazine into the grip's magazine well. A sharp click indicates magazine catch engagement. Release the Barrel by a forward movement of the Barrel Lever, which is conveniently located on the frame's left side above the trigger. Insert a cartridge into the chamber, and push the barrel down. A sharp click indicates Barrel Lever Engagement. The pistol is now chamber and magazine loaded. Remember — when the Hammer is Fully Lowered to rest against the slide (Firing Pin) the pistol cannot be fired by trigger pull. The Safety cannot be engaged. By retracting the Hammer to its Half-Cock (hammer drop catch) Position and engaging the Safety (upward turning — Red Warning Dot covered), the pistol cannot be fired. By retracting the Hammer to its Fully-Cocked Position, the pistol is READY TO FIRE by trigger pull (Safety Disengaged — RED WARNING DOT VISUAL). Engaging the Safety secures the pistol against accidental discharge by trigger pull.

#### **TO LOAD THE PISTOL BY SLIDE MANIPULATION:**

Push the fully loaded magazine into the grip's magazine well. A sharp click indicates magazine catch engagement.

Grasp the slide serration with thumb and index finger (keep finger outside the trigger guard), retract the slide to solid stop (activating the recoil spring and cocking the hammer) — QUICKLY release the slide. The slide will automatically close — chambering the first cartridge from the magazine.

#### **THE PISTOL IS NOW READY TO FIRE.**

NOTE: Exercise Extreme Caution, And Control The Muzzle.  
Engage The Safety If Not Ready To Fire.

#### **UNLOADING OF PISTOL AND MAGAZINE:**

If hammer is cocked, insure that the Safety is engaged. Release the barrel by a forward movement of the Barrel Lever, and remove the chambered cartridge.

NOTE: Quick barrel release may eject the chambered cartridge. If the barrel is released under finger support, the cartridge will remain in the chamber — elevate the muzzle and the cartridge will fall out.

Depress the Magazine Release Button and remove the magazine.

Disengage the Safety and Fully Lower the hammer.

To unload the Magazine, grasp with one hand around the magazine box, bottom down and front end forward. With the tip of the thumb firmly press down on the cartridge RIM and push — as the bullet moves forward, tip it slightly upward with the index finger. Repeat until unloaded.

Remember — to avoid malfunction always keep the magazine clean. Dropping the magazine may dent the box, and bend and/or burr the lips. With a suitable instrument depress the follower to check for free movement.

## HOW TO LOWER THE HAMMER:

**WARNING!!** Even though the Model 950 BS has an Inertia Firing Pin (reduces chances of accidental discharge), a falling hammer (even from a short distance) may cause discharge, especially if the cartridge has a sensitive primer. We do not recommend lowering the hammer on a chambered round.

**NOTE:** The Model 950 BS has an added safeguard: The barrel can be released before lowering the hammer on a chambered round.

To Lower the Fully-Cocked Hammer to Fully-Lowered (fire) Position:

Disengage the Safety — manually retract the hammer spur — depress the trigger while cautiously allowing the hammer to move all the way forward under thumb control.

**WARNING!!** If chamber loaded (not recommended) be extremely careful while depressing the trigger, because the hammer will not be caught by the hammer's half-cock notch (hammer drop catch) if your finger slips off the spur.

To Place the Hammer in the Half-Cocked Position:

If the Hammer is Fully-Lowered, retract hammer until the sear snaps into the half-cock notch. (Keep Finger Off Trigger).

If the Hammer is Fully-Cocked, disengage the Safety — manually retract the hammer spur — depress the trigger while CAUTIOUSLY allowing the hammer to move all the way forward under thumb control. Keep finger off trigger — retract hammer until sear snaps into the half-cock notch.

## SAFETY/HALF-COCKED HAMMER RELATIONSHIP:

Remember — when the chamber is loaded, either by hand manipulation of the slide or automatically during the shooting cycle (but not direct hand loading of chamber), the hammer is fully-cocked and the pistol is ready to fire.

**WARNING!!** Careless handling of a loaded pistol, with or without the Safety engaged, could result in accidental discharge.

To REDUCE the chance of discharge due to accidental hammer fall caused by untriggered sear/hammer disengagement, the falling hammer is caught and secured in its half-cocked position by the sear entering the Hammer's Drop Catch Notch.

**DO NOT PULL THE TRIGGER WHEN THE HAMMER IS IN HALF-COCKED POSITION.**

Remember — the half-cocked position is an emergency (not a prime) Safety Device. The sear is firmly engaged to the hammer's drop catch notch when the hammer is half-cocked.

Because of this pistol's design, it requires very heavy trigger pull to release the hammer when half-cocked. Do not damage this excellent secondary emergency safety device by forceful trigger pull testing.

When the hammer is HALF-COCKED, the Manual Safety can be engaged. THE SAFETY PREVENTS TRIGGER PULL, and restricts hammer and slide manipulation.

**DO NOT PULL THE SLIDE AND COCK THE HAMMER WHEN THE HAMMER IS HALF-COCKED AND SAFETY ENGAGED.**

Remember — the Safety locks the Sear and prevents trigger pull. Since the trigger cannot be pulled the hammer cannot be lowered. The Safety, by blocking the sear, also restricts the hammer from being hand manipulated to its full-cocked position; and, since the hammer cannot go all the way back, the slide movement is also restricted — FORCEFUL attempt to fully-cock the hammer or pulling of the slide may damage the mechanism.

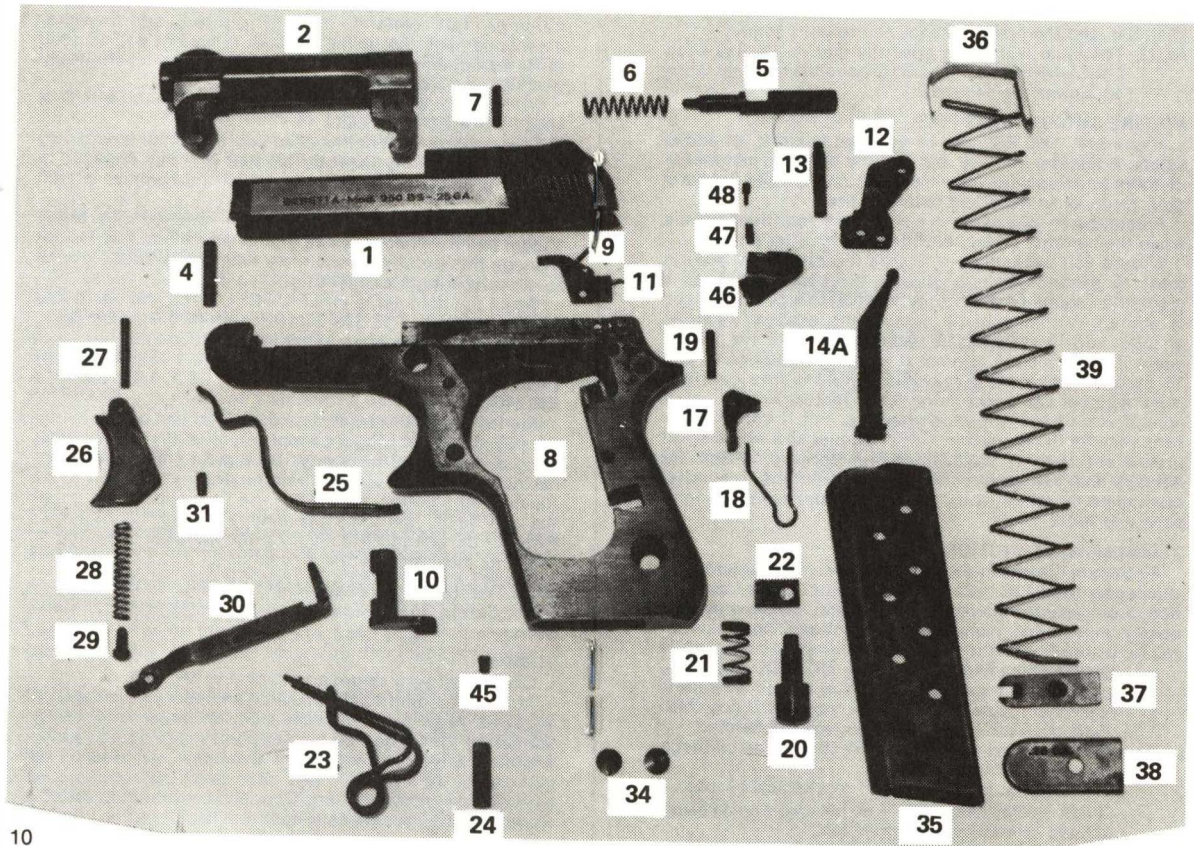
## SAFETY/FULLY-LOWERED HAMMER RELATIONSHIP:

The Safety CANNOT be engaged with the Hammer Fully-Lowered.

## FIRING:

Check that your target and backstop are safe.

Aim the pistol in a safe direction and release the Safety if engaged. Align front and rear sight on target, and fire by squeezing the trigger. Be sure to point the muzzle in a safe direction after discharge. The discharge will recoil the slide, eject the fired cartridge case, cock the hammer and activate the recoil spring. The slide will automatically close, feeding the next cartridge from the magazine into the



chamber, and the pistol is ready to fire until empty.

**NOTE:** The slide will close after the last round has been fired, with the chamber empty and the hammer cocked. Lower the hammer.

#### **MISFIRE AND/OR HANG-FIRE:**

The model "950 BS" has an exposed hammer for added safety. A shooter can see and feel the exposed hammer in its three positions: fully-lowered (fire), half-cocked (hammer drop catch) or fully-cocked (ready to fire).

Remember — discharge of a chambered cartridge occurs when the hammer drives the firing pin into the primer.

Should you experience a misfire (no discharge) wait at least 15 seconds before relaxing the point of aim as a precaution against hang-fire (delayed discharge due to faulty ammo). If no discharge occurs, the exposed hammer enables you to re-cock the hammer and pull the trigger again. On the second attempt if no discharge occurs, wait 15 seconds and then release the barrel, remove cartridge from chamber and check firing pin indentation in primer. If normal, reload and continue shooting; but if minor or absent, remove the magazine. Cock hammer and with a small instrument (pencil) push firing pin forward, check for damage and free movement, and for hammer's free movement (hold thumb on spur, pull trigger, and swing hammer back and forth).

#### **JAMMING/MALFUNCTIONING:**

All Beretta firearms have been designed, manufactured and thoroughly tested to insure durability and trouble-free function. If properly maintained, operated, and loaded with good quality ammunition, malfunction is practically nonexistent.

**NOTE:** Should malfunction (jamming) occur while loading/unloading or shooting, **DO NOT PANIC** — simply keep finger away from the trigger, be sure to point the muzzle in a safe direction; and if possible: Fully-cock the hammer and engage the Safety. Release barrel and remove the chambered cartridge. Remove the Magazine.

Check pistol for damage and mechanical function.

Check ejected cartridges — do not load with damaged (dented or deformed) ammunition.

## **DISASSEMBLY REASSEMBLY PARTS LIST and WARRANTY**

**DRY FIRING:**

Dry Firing can cause firing pin breakage. If you want to practice aim and trigger pull, insert a FIRED cartridge case in the chamber to cushion the fall of the firing pin and eliminate chances of firing pin breakage.

**DISASSEMBLY: (Field Stripping of Unloaded Pistol)**

1. Remove Magazine by depressing the magazine release button.
2. Release Barrel by pushing the barrel lever forward.
3. Swing the Barrel forward over its hinge to solid stop.
4. Fully-Cock the hammer.
5. Grasp firmly around the front section of the slide with thumb and index finger. Retract the slide about a quarter of an inch — lift the front end of the slide above the frame's barrel hinge, and push the slide forward until it clears the frame's guide lugs.

Further disassembly not recommended.

**REASSEMBLY:**

Reverse of Disassembly.

1. Elevate the front end of the slide and place the rear end over the frame just in front of the guide lugs. Carefully pull the slide rail over the frame's guide lugs; simultaneously, engage the two recoil spring legs into the slide's recesses and ease the slide down to frame engagement.
2. Swing the barrel back to closed position.
3. Pull and release slide to insure perfect function.
4. Lower the hammer.
5. Insert Magazine.

**CLEANING:**

We do not recommend disassembly for cleaning unless a notable amount of gunpowder residue, grease and/or lead particles have accumulated in the Action.

Your dealer can provide a cleaning kit at little cost.

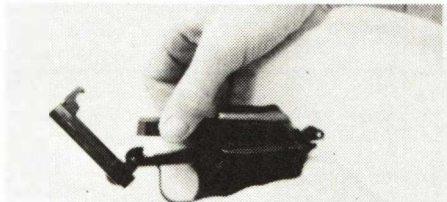
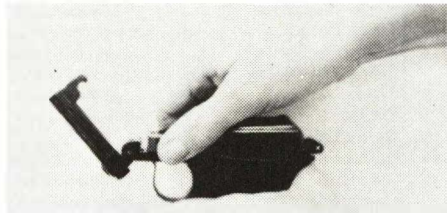
Use a good grade of light gun oil.

Use a small brush, pipe cleaner, "Q" Tips or small wood applicator to remove dirt, etc. — do not use sharp instrument.

Always clean the barrel thoroughly after shooting using a cleaning rod with a patch, or brush fitting lightly into the chamber and bore — clean the barrel from the chamber. Be sure to recheck the barrel for possible sweat-out a few days after shooting.

Always clean the breech/or bolt face of the slide.  
Oil moving parts lightly.

For most effective exterior rust protection, rub a thin film of oil onto the surface with a cloth.



**PARTS LIST MODEL 950 BS & 950 B (w/o Safety)**

No.	Nomenclature	Note
1	Slide .....	1
2	Barrel compl. 60mm (2.36") .....	2
3	Barrel, special, compl. 95mm (3.75") .....	3
4	Barrel Mounting Pin	
5	Firing Pin .....	2
6	Firing Pin Spring .....	2
7	Firing Pin Retaining Pin	
8	Frame .....	1
9	Ejector	
10	Barrel Lever	
11	Ejector Pin (Rivet)	
12	Hammer	
13	Hammer/Safety Stop Pin 950 BS	
13	Hammer Pin 950 B	
14A	Hammer Strut w/Spring Retainer (14-15-16) ..	2 & 4
17	Sear	
18	Sear Spring	
19	Sear Pin	
20	Magazine Release Button	
21	Magazine Catch Spring	
22	Magazine Catch	
23	Recoil Spring .....	2
24	Recoil Spring Pin	
25	Trigger Guard	
26	Trigger	
27	Trigger Pin	
28	Trigger Bar Spring	
29	Trigger Bar Spring Plunger	
30	Trigger Bar	
31	Trigger Bar Pin	
32	Left Grip 950 BS .....	2
32	Left Grip 950 B .....	2
33	Right Grip 950 BS .....	2
33	Right Grip 950 B .....	2
34	Grip Screws (2)	

**PARTS LIST MODEL 950 BS & 950 B (w/o Safety)**

No.	Nomenclature	Note
35A	Magazine (Assembly) cal: .25	
35	Magazine Box cal: .25 .....	1
36	Follower	
37	Magazine Floorplate Catch cal: .25	
38	Magazine Floorplate cal: .25 & .22	
39	Magazine Spring cal: .25	
40A	Magazine (Assembly) cal: .22	
40	Magazine Box cal: .22 .....	1
41	Follower cal: .22	
42	Follower Retaining Screw cal: .22	
43	Magazine Floorplate catch cal: .22	
	Magazine Floorplate see No. 38	
44	Magazine Spring cal: .22	
45	Barrel Lever Stop Screw	
46	Safety	
47	Safety Spring	
48	Safety Spring Plunger	

**NOTE:**

- 1 Not for sale
- 2 Specify caliber
- 3 Presently not available
- 4 Sold only as Assembly

<b>Specifications</b>	<b>Cal: 25</b>	<b>Cal: 22</b>
Overall Length	4½ in.	4½ in.
Length of Barrel	2½ in.	2½ in.
Weight	8 oz.	10 oz.
Magazine Capacity	8 rounds	6 rounds

#### **SERVICE:**

In most cases your local dealer can assist with answers relating to maintenance, accessory and parts.

Please read the Warranty — it gives valuable information concerning In-Warranty service, or write to:

Beretta U.S.A. Corp.  
 Service Dept.  
 17601 Beretta Drive  
 Accokeek, Maryland 20607  
 Phone: (301) 283-2191

#### **LIMITED WARRANTY**

THIS "LIMITED WARRANTY" HAS BEEN DRAFTED TO COMPLY WITH THE MAGNUSON-MOSS WARRANTY FEDERAL TRADE COMMISSION IMPROVEMENT ACT WHICH IS EFFECTIVE FOR GOODS MANUFACTURED ON OR AFTER DECEMBER 31, 1976.

Beretta U.S.A. Corp. warrants that this firearm was manufactured free of defects in material or workmanship; and for a period of one (1) year after date of purchase, the Manufacturer agrees to correct by repair or replacement (with same or comparable quality model) your firearm, without charge, if returned prepaid.

THIS WARRANTY IS VOID IF THE FIREARM HAS BEEN ABUSED, MISUSED, DAMAGED BY ACCIDENT, FIRED WITH HAND LOADED AND/OR RELOADED OR IMPROPER AMMUNITION OR OBSTRUCTION IN THE BARREL, OR DAMAGED BY FAILURE TO PROVIDE REASONABLE AND NECESSARY MAINTENANCE. THIS WARRANTY DOES NOT APPLY TO NORMAL WEAR AND TEAR OF ANY PARTS, INCLUDING METAL AND WOOD SURFACE FINISH, OR IF UNAUTHORIZED REPAIR AND/OR ALTERATION HAVE BEEN PERFORMED.

The terms of the Warranty cannot be changed except in writing by an officer of Beretta U.S.A. Corp. Wholesalers and Dealers (unless a Beretta U.S.A. Corp. Authorized Gunsmith) are not authorized to make any In-warranty repair or adjustment on behalf of Beretta U.S.A. Corp.

This Warranty gives only the original retail purchaser specific legal rights; other rights may also be available which may vary from state to state.