
PSA-25

Semi-Automatic Pistol

Cal. 25 ACP



Please read this manual carefully before
using your firearm.

CAUTION

Failure to heed the warnings in this booklet may result in serious injury to you or others, as well as damage to the firearm or other property. Take note of the following warnings on gun handling before attempting to use your firearm.

- Don't rely on your gun's safety. Treat every gun as if it were loaded and ready to fire.
- Never cross a fence, climb a tree or jump a ditch with a loaded gun.
- Never load or carry a loaded gun until you are ready to use it.
- Watch your muzzle so the other person doesn't have to.
- Keep guns and ammunition separate and in locked storage.
- Don't shoot unless absolutely sure of your target and what is beyond it.
- Know the range of your gun.
- Always wear eye and ear protection when shooting.
- Always be sure the barrel is clear of obstructions...and only carry ammunition specifically intended for the gun you are using.
- Never use alcohol, drugs or take medications before or during shooting activities.

WARNING

Do not attempt to use this firearm until you have read and fully understand this manual. A complete understanding of the characteristics of this particular firearm is needed for its safe operation.

ALTERATION WARNING

This firearm was designed and produced to operate properly in its original state. Any alterations or service not approved or performed by Precision Small Arms voids all warranties.

Alterations or unauthorized maintenance could cause an unsafe situation, damages or personal injury; therefore, Precision Small Arms takes no responsibility for the consequences of any alterations.

OPERATING INSTRUCTIONS

SAFETIES

The PSA-25 has 3 safeties: a hand safety and a double-acting automatic safety. In addition, the PSA-25 is fitted with a cocking indicator.

HAND SAFETY. This safety is located on the left side of the frame. It is **"ON"** when pushed upward to the notch in the slide marked with an **"S."** The safety can be released instantly and effortlessly with the thumb of the right hand without moving the position of the hand on the grip (**Fig. 1**).

MAGAZINE AUTOMATIC SAFETY. This safety prevents firing when the magazine is removed. The automatic safety also prevents the magazine from being inserted while pressure is being applied to the trigger with the safety in the **"OFF"** position. Fitted inside at the back of the grip, the magazine safety moves forward when the magazine is removed. It then moves under the arm of the sear, preventing it from being released. The pistol is completely inoperable without the magazine being inserted.

WARNING

When turning the safety "ON" or "OFF," always keep your finger off the trigger and the muzzle pointed in a safe direction.

Never totally depend on a mechanical safety. Always practice cautious gun handling.

COCKING INDICATOR

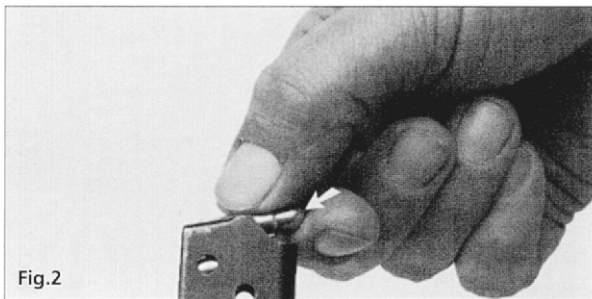
The cocking indicator consists of a small pin and plunger mounted on the end of the firing pin spring. The indicator projects out through a small hole at the rear of the slide when the pistol is cocked and the firing pin spring is compressed (**Fig. 1**). The shooter can tell by either touch or sight if the pistol is cocked.



Fig. 1

LOADING

1. **To remove the magazine**, press the magazine stop at the base of the grip with the thumb of the left hand and remove the magazine (**Fig.1**).
2. **To load the magazine**, with the right hand insert a cartridge below the guide rails at the top of the magazine, pushing the magazine platform down and sliding the cartridge to the back of the magazine (**Fig. 2**). Repeat this procedure until the magazine is loaded. The magazine will hold six cartridges.



WARNING

Never carry this handgun with a cartridge in the chamber without having the safety **"ON."**

3. **To replace the magazine**, hold the pistol in the same position as when removing the magazine and replace the magazine into its housing, pushing it in completely.

4. **To chamber the first round**, while holding the pistol in the right hand, pull the slide completely to the rear and let it ride forward. This action will remove the top cartridge from the magazine, place it in the chamber and cock the firing mechanism. If you do not wish to fire the pistol immediately return the safety to the safe "S" position (**Fig. 3**).



OBSTRUCTION WARNING

Always clean all grease and oil from the chamber and the bore before loading. Be sure there is no obstruction in the barrel. A foreign object in the barrel could cause a burst barrel or other damage to the firearm as well as serious injury to the shooter or to others. It is the sole responsibility of the user to check the bore for obstructions before discharging the firearm. Always visually check the chamber and bore upon a misfire or any odd sounding high or low report. Discontinue firing until the obstruction, full or partial, is cleared. "Warranty Claims" resulting from an uncleared obstruction will not be covered by the warranty. Always wear shooting glasses.

AMMUNITION WARNING

Use only original, high quality, commercially manufactured ammunition which is in good condition. Only use ammunition of the caliber for which your firearm is chambered. You will find the correct caliber engraved on the side of the firearm. Never use ammunition of any other caliber. You should always use ammunition that complies with performance standards established by The Sporting Arms and Ammunition Manufacturers' Institute, Inc. NOTE: The use of handloaded, remanufactured or other non-standard ammunition will void all warranties.

FIRING

To fire the pistol. Holding the pistol firmly in the right hand, move the safety to the "OFF" position, take aim and apply pressure to the trigger. The recoil from the first shot will force the slide to the rear which in turn extracts and ejects the fired case and recocks the firing mechanism. The slide will return forward under pressure from the recoil spring and place another cartridge into the chamber. The pistol may now be fired again until the magazine is empty.

Caution: The firing sequence takes place very rapidly. Caution should be taken that no part of the hand obstructs the slide in its rearward travel, or that any part of the body obstructs the ejection port when the spent case is ejected.

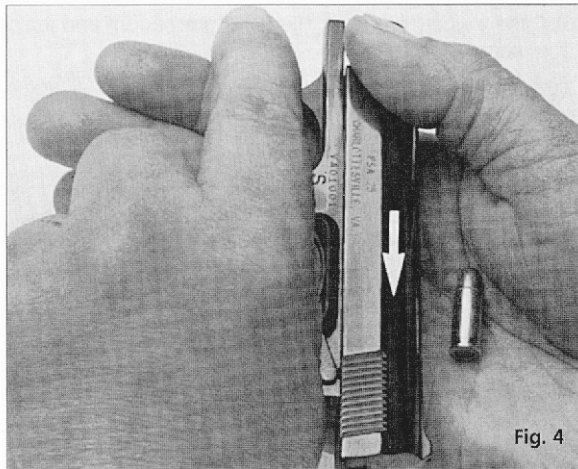
WARNING

Never allow others to stand beside you where they may be hit by an ejected cartridge case. Make certain there is an unobstructed path for the safe ejection of the fired case.

Always wear shooting glasses and ear protection when you are shooting. Other people who are close by should be protected also.

UNLOADING

To unload the chamber. With the magazine out and the safety **"OFF"** hold the pistol in the left hand, grip the slide in the right hand so that the palm is under the ejection port. Pull the slide to the rear ejecting the unfired cartridge into the hand (**Fig. 4**). The above unloading procedure should be followed every time the pistol is handled to make certain the pistol is empty.



CAUTION

Always make absolutely sure the pistol is unloaded before you disassemble it for cleaning.

DISASSEMBLY

The PSA-25 is easily disassembled for periodic cleaning. Please read the entire disassembly and assembly procedure before proceeding.

1. Remove and unload the magazine and clear the chamber of any unfired cartridges (**Figs 1 & 4**).
2. Replace the empty magazine.
3. Pull the trigger to uncock the firing mechanism and remove the magazine again.
4. With the pistol in the right hand, push the slide to the rear so the safety bar may be engaged in the notch in the underside of the slide (**Fig. 5**).



Fig. 5

5. With the slide in the rearward position, turn the barrel a quarter turn to the right (**Fig. 6**).



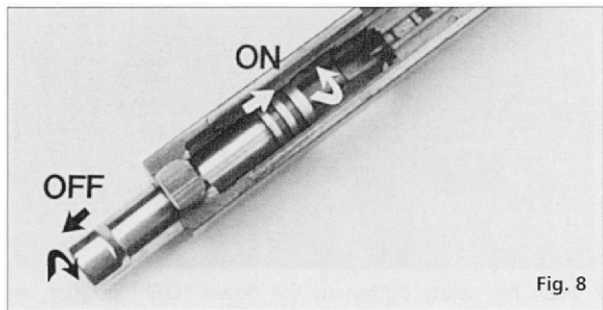
Fig. 6

6. Push the safety button to the down "OFF" position and manually ease the slide forward, releasing the tension on the recoil spring. The slide assembly and frame may now be pulled apart (**Fig. 7**).



Fig. 7

7. To remove the barrel from the slide, turn the barrel a quarter turn to the left and pull it out through the front of the slide (Fig. 8).



8. For cleaning, the firing pin and recoil springs may be removed from their respective locations on the frame and slide (Fig. 9).

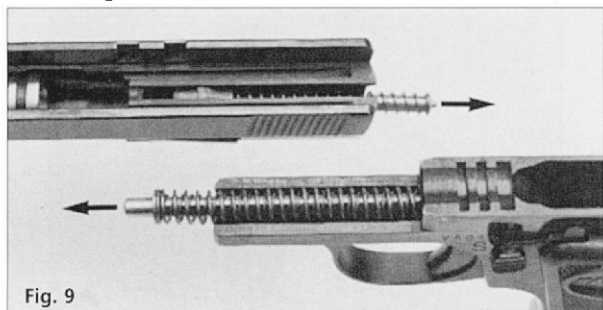


Fig. 9

Note: Further disassembly of this pistol is not recommended and may void the warranty. Routine maintenance is easily accomplished with the simple breakdown of components stated above.

Caution: Do not remove the grips from the pistol and attempt to work the trigger mechanism. The grips function as a retainer for the transfer bar. The disassembly of these components should only be attempted by a competent gunsmith. Also see Alteration Warning and the Warranty for other cautions.

ASSEMBLY

1. Replace the barrel in the slide and turn it a quarter turn to the right so that the rib section at the chamber end of the barrel is turned into the recess in the slide **(Fig. 8)**.
2. Replace the firing pin spring and cocking indicator assembly into the rear of the slide **(Fig. 9)**. If this assembly has been taken apart for cleaning, make certain that it is assembled correctly, i.e., the tapered end of the spring fits over the cocking indicator.
3. Replace the coil spring assembly into the front of the frame **(Fig. 9)**.
4. Place the slide on the top of the frame and align the cocking indicator with its housing at the rear of the frame. Align the recoil spring pin and guide rails with the hole and guide bars at the front of the slide **(Fig. 7)**.
5. Push the slide back to the end of its travel and engage the hand safety in the first notch at the underside of the slide **(Fig. 5)**.

6. Turn the barrel a quarter turn to the left (**Fig. 6**) and disengage the safety. The slide will go forward under pressure from the recoil spring.
7. Replace the magazine.

CLEANING AND MAINTENANCE

Regular cleaning and inspection of the PSA-25 is essential for its reliable operation. Equipment needed to clean the firearm: a short cleaning rod, .25 cal. bore brush & patch tip, cleaning patches, a small cleaning brush (old toothbrush), powder solvent, a lightweight lube oil and cotton swabs.

To clean the pistol, break down the components as stated in the disassembly procedure.

To clean the barrel, swab the barrel with a patch moistened (not dripping) with powder solvent. Repeat the process with a bore brush to loosen any fouling in the barrel. Swab the barrel with a clean dry patch to remove all dirt and solvent. Repeat the entire process if any dirt or residue remains.

To clean the interior of the slide and action on the top of the frame, use the small cleaning brush moistened with powder solvent. Clean all accessible areas with the brush and wipe clean with a lint free cloth and swabs. Remove as much powder solvent as possible. Solvent left on any surface will quickly accumulate dust and dirt particles. If possible, blow the receiver out with high pressure air.

Oil the barrel with a small amount of lubricant on a patch. A small drop of oil at surface wear points is all that is needed to lubricate the slide and frame areas. Wipe down all exterior surfaces with any popular gun cloth. **DO NOT OVER LUBRICATE!**

If the firearm is to be stored for any length of time, avoid storing in a damp environment. Do not store your firearm in a leather case or any case that may attract moisture.

TRANSPORTATION AND STORAGE

Always keep your firearm unloaded when transporting it to and from shooting.

Store your firearm separate from ammunition, locked away and out of the reach of children and other inexperienced persons.

Never store the gun in a case for long periods of time. Any variation in temperature will cause the gun to rust. Be certain all metal surfaces are protected with a light coating of gun oil before prolonged storage.

SPECIFICATIONS OF PSA-25

Model	Caliber	Overall Length	Overall Height	Thickness	Length of Barrel	No. of Grooves	Weight Empty	Weight Full
PSA-25	25ACP	4 $\frac{1}{8}$ "	2 $\frac{7}{8}$ "	$\frac{7}{8}$ "	2 $\frac{1}{8}$ "	6	9.5 oz.	10.6 oz

AMMUNITION SPECIFICATIONS

Caliber	Type	Bullet Wt.	Velocity F.P.S.		Energy Ft. Lb.		Trajectory 50 Yds.
			Muzzle	50 Yds.	Muzzle	50 Yds.	
25ACP	FMJ	50 Grains	760	730	64	59	1.8"
25ACP	SP	45 Grains	815	729	66	53	1.8"

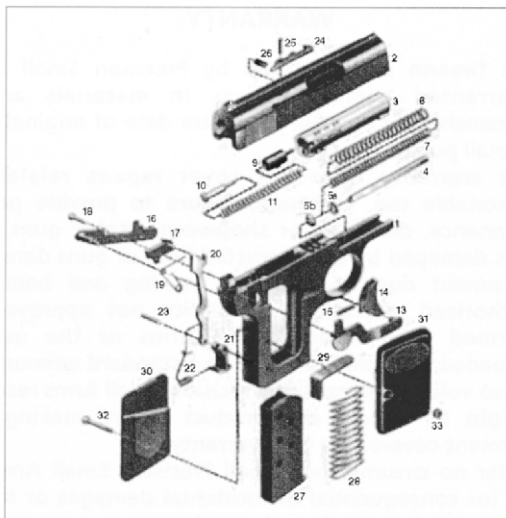
F.P.S.	Feet per second	Ft. Lb	Foot Pounds
FMJ	Full Metal Jacket	SP	Soft Point

PARTS AND SERVICE

To order parts, please furnish the following: your name, address, telephone number, serial number, make and model of the gun. When we receive your request we will send an order form and a parts breakdown with prices. The parts will be sent to you within 14 working days after we receive your parts order and check or money order. Major credit cards are accepted. Dealer discounts and C.O.D. available if dealer's current F.F.L. is on file with us.

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To return firearms for repair, please pack securely in original box if possible. Also include a detailed description of the problem. If your firearm is to be replaced under warranty, include a copy of the dated sales slip, Federal Firearms Transaction form, charge card receipt, cancelled check or any other dated proof of purchase. Send a photocopy as it will be retained by Precision Small Arms. Failure to provide the above documentation may cause undue delays in repair time or the return of your gun unrepaired. To return your firearm, please contact Precision Small Arms by phone (310-859-4867) or mail correspondence to the address set forth above.



PARTS LIST

- | | |
|------------------------------------|--|
| 1. Frame | 18. Sear Pin |
| 2. Slide | 19. Spring for Sear and Transfer Bar |
| 3. Barrel | 20. Automatic Safety |
| 4. Recoil Spring Guide Assembly | 21. Magazine Catch |
| 5a. Front Washer for Recoil Spring | 22. Spring for Magazine Catch and Automatic Safety |
| 5b. Rear Washer for Recoil Spring | 23. Magazine Catch Pin |
| 7. Recoil Inner Spring | 24. Extractor |
| 8. Recoil Outer Spring | 25. Extractor Pin |
| 9. Firing Pin | 26. Extractor Spring |
| 10. Cocking Indicator | 27. Magazine |
| 11. Firing Pin Spring | 28. Magazine Spring |
| 13. Transfer Bar | 29. Magazine Follower |
| 14. Trigger | 30. Left Grip |
| 15. Trigger Spring | 31. Right Grip |
| 16. Safety | 32. Grip Screw |
| 17. Sear | 33. Grip Nut |

WARRANTY

This firearm manufactured by Precision Small Arms is warranted against defects in materials and/or workmanship for one full year after date of original new gun retail purchase.

This warranty does not cover repairs related to unreasonable use, corrosion, failure to provide proper maintenance, damaged or shopworn display guns, gun barrels damaged by an obstructed bore or guns damaged in shipment due to improper packing and handling. Unauthorized alterations or service not approved or performed by Precision Small Arms or the use of handloaded, reloaded or other non-standard ammunition will also void all warranties. Precision Small Arms reserves the right to inspect any product before making any adjustment covered by this warranty.

Under no circumstances shall Precision Small Arms be liable for consequential or incidental damages or injury. Some states do not allow the exclusion or consequential or incidental damages so the above limitation may not apply to you.



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