

INSTRUCTION MANUAL FOR



PIONEER ARMS CORP.

PPS-43C

SEMI-AUTOMATIC PISTOL

CALIBER 7.62x25 TOKAREV



Product information:

**Please call (386) 290-0379 or visit our
website www.pioneer-pac.com**

**THIS INSTRUCTION MANUAL SHOULD ALWAYS ACCOMPANY THIS FIREARM
AND BE TRANSFERRED WITH IT UPON CHANGE OF OWNERSHIP OR WHEN
THE FIREARM IS LOANED OR PRESENTED TO ANOTHER PERSON.**

HISTORIC TREASURES

The history...

The PPS-43 (Pistolet-Pulemet Sudaeva, model of 1943 = Sudaev submachine gun) was born as an answer to the need for weapon that would be more compact and mobile than the PPSH-41 then in use by the Soviet Army. The PPSH-41 was somewhat too long to be used by tank crews and mobile recon groups and paratroopers so, late in 1941, the Red Army issued a request for a new, more compact SMG. Designer Sudaev initially designed his new SMG in 1942 and it was adopted under the designation of PPS-42. Next year he refined the design and this final model was designated as PPS-43. This SMG was manufactured in significant numbers, with nearly 2 million PPS-43 weapons manufactured between 1943 and 1946. The PPS-43 is sometimes referred to as the best SMG of World War 2. After WW2, it was widely exported to pro-Soviet regimes around the world and widely copied.

The PPS-43 was license-produced in Poland starting in 1948.

Today...

Pioneer Arms, has redesigned this historical firearm to shoot from a closed bolt position. The safety is located at the front of the trigger guard. The receiver and barrel shroud are made from stamped steel. The rear sight is an L-shaped flip type and is marked for 100 and 200 meters distance. The front sight is a fixed blade. The barrel is equipped with a simple muzzle brake. This firearm is an ATF approved pistol. The stock has no function and is permanently fixed in its folded closed position.

This pistol is manufactured at the famed Radom Plant in Poland by the Pioneer Arms. All parts and components are Polish made. The PPS-43C pistol comes with a curved box magazine, which holds up to 35 rounds.

Specifications

PPS-43C

Type	Semi-automatic pistol
Weight	3.04 kg (6.7 lb) empty / 3.67 kg (8.1 lb) loaded
Length	615 mm (24.2 in)
Barrel length	250 mm (9.8 in)
Cartridge	7.62x25mm Tokarev
Action	Closed bolt, semi-auto
Muzzle velocity	Approx. 500 m/s (1,640 ft/s)
Effective range	100 m
Maximum range	200 m
Feed system	35-round detachable box magazine
Sights	Flip rear sight, fixed blade front sight

FIREARMS SAFETY - YOUR RESPONSIBILITY

SAFETY MUST BE THE FIRST AND CONSTANT CONSIDERATION OF EVERY PERSON WHO HANDLES FIREARMS AND AMMUNITION.

This Instruction Manual is designed to assist you in learning how to use and care for your **PPS-43C** properly. Please contact us if you have any questions.

Only when you are certain you fully understand the Manual and can properly carry out its instructions should you practice loading, unloading, etc. with live ammunition. If you have any doubts about your ability to handle or use a particular type of gun safely, you should seek supervised instruction. Such personalized instruction is often available from gun dealers, gun clubs or police departments. If none of these sources can help you, write to the National Rifle Association, 11250 Waples Mill, Fairfax, VA 22030-7400. They will assist you.

The person possessing a gun has a full-time job. You cannot guess; you cannot forget. You must know how to use your firearm safely. **Do not use any firearm without having a complete understanding of its particular characteristics and safe use.** Remember: There is no such thing as a foolproof gun.

GENERAL INFORMATION AND MECHANICAL CHARACTERISTICS

The **PPS-43C** is a semi-automatic, magazine-fed, recoil-operated pistol chambered for the 7.62x25 Tokarev cartridges. The following are features with which **PPS-43C** users should be thoroughly familiar:



IDENTIFYING PARTS ON YOUR PPS-43C



AMMUNITION

WARNING – LEAD EXPOSURE



Discharging firearms in poorly ventilated areas, cleaning firearms, or handling ammunition may result in exposure to lead and other substances known to the state of California to cause birth defects, reproductive harm, and other serious physical injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure.

SHOOTING OR CLEANING GUNS MAY EXPOSE YOU TO LEAD.

The **PPS-43C** pistols are chambered for the 7.62x25 Tokarev cartridges. Do not attempt to load any other cartridges into the magazine or chamber of the pistol.

The pistols are compatible with standard factory ammunition loaded to U.S. SAAMI or international CIP Standards.

AMMUNITION (CARTRIDGES) NOTICE

WE SPECIFICALLY DISCLAIM RESPONSIBILITY FOR ANY MALFUNCTION, DAMAGE OR INJURY WHATSOEVER OCCURRING IN CONNECTION WITH, OR AS A RESULT OF THE USE IN ANY I.O. INC AND PIONEER ARMS FIREARMS OF FAULTY, NON-STANDARD, “REMANUFACTURED”, HAND-LOADED (RELOADED) AMMUNITION OR OF CARTRIDGES OTHER THAN THOSE FOR WHICH THE FIREARM WAS ORIGINALLY CHAMBERED.

Action: The PPS-43C design incorporates a hammer and it fires from a closed bolt position. After firing, the bolt recoils to the rear and at the same time cocks the hammer and extracts the shell. The cartridge is fed into the chamber as the bolt is returned to its forward position by the recoil spring.

The user of this or any other **auto-loading** pistol must always remember that when fired, it automatically reloads and re-cocks itself so that simply pulling the trigger will fire the pistol again. Therefore, an **auto-loading** pistol user must be particularly conscientious to always keep the pistol pointed in a safe direction.

Initial cocking: To cock the pistol, move the bolt to its rear position by pulling back the bolt handle. When the bolt reaches its rearmost position, release the bolt handle. Note - the bolt can now fly forward and chamber a cartridge. For this reason and as an essential safety practice, **the user should always be careful to keep fingers away from the trigger and always keep the pistol pointed in a safe direction.**

Safety: It is located on the right hand side in front of the trigger guard. To engage the safety, move the safety lever all the way rearward towards the back of the pistol (Figure 1). The safety works when the pistol is either cocked or uncocked. To disengage the safety, move the safety lever all the way to the front (Figure 2).



Fig. 1



Fig. 2

Magazines: The PPS-43C magazines are original PPS-43 issue and no other magazine is approved for use in this pistol.

INCORRECT, DEFECTIVE, DAMAGED, RUSTY, NON-STANDARD OR IMPROPERLY ASSEMBLED MAGAZINES MUST NEVER BE USED. THEY CAN CAUSE THE PISTOL TO MALFUNCTION.

WARNING – AMMUNITION



Death, serious injury and damage can result from use of the wrong ammunition, bore obstructions, powder overloads or incorrect cartridge components. Even the strongest gun can be “blown up” as a result of excess pressure. Always wear shooting glasses and hearing protection.

FIREARMS ARE DANGEROUS WEAPONS – READ THE INSTRUCTIONS AND WARNINGS IN THIS MANUAL THOROUGHLY AND CAREFULLY BEFORE USING. TO LOAD AND FIRE (WITH MAGAZINE)

Practice this important aspect of safe gun handling with an unloaded pistol until you can perform each of the steps described below with skill and confidence. **But before you do anything with the pistol, first read completely through this manual.**

1. **Be certain the muzzle is pointed in a safe direction.**
2. Press the magazine latch forward and remove the magazine from the receiver.
3. Place thirty-five (35) or fewer 7.62x25 Tokarev cartridges into the magazine from the top (Figure 3)



Fig. 3

4. Insert the magazine into the magazine well in the receiver, taking care that the magazine is locked in place by the magazine latch. Slamming the magazine into the receiver forcibly is not necessary.
5. Hold the pistol firmly in the shooting hand but **do not touch the trigger. Keep the pistol pointed in a safe direction.** With the palm of the other hand grasp the bolt handle and slide to the rear as far as it will go. Use care to not place any part of your hand in front of the muzzle. When released, the slide will fly forward to strip the top cartridge from the magazine and chamber it. The hammer automatically moves to the cocked position when the bolt is slid to the rear.

WARNING: The pistol is ready for instant use when the trigger is pulled once the bolt moves fully forward. Be careful!

6. **If the pistol is not to be used immediately, the magazine should be removed and the chamber unloaded.**
7. **The pistol is ready for instant use.** When the pistol is in the “cocked” mode, pulling the trigger all the way to the rear will fire the first shot. Subsequent shots are fired in the same way by releasing and then pulling the trigger until the magazine is empty. The hammer is cocked by the slide as it recoils from each shot. After a shot is fired, the trigger must be allowed to move fully forward.
8. **Immediately following the firing of a shot, and if a subsequent shot is not to be fired**

at once, remove the magazine and remove the loaded cartridge from the chamber. If the bolt is closed, the shooter should always assume that there is a cartridge in the chamber! Don't rely on your memory to know if a gun or magazine is loaded. Visually inspect the magazine and chamber.

WARNING: The pistol is ready for instant use when the trigger is pulled once the bolt moves fully forward. Be careful!

Do not load the pistol until you are ready to use it and unload it immediately when you have completed shooting.

The pistol may fire if dropped or struck. Keep chamber empty unless actually firing!

For maximum safety when carrying the pistol with a loaded magazine in place, the chamber should be empty and the safety should be on.

The user should never depend on any mechanical device to justify careless handling or permitting the pistol to point in an unsafe direction. The shooter should always be alert to the possibility of accidental discharge. **The only absolutely safe pistol is one in which the chamber is empty and there is no magazine in the gun.**

INCORRECT, DEFECTIVE, DAMAGED, RUSTY, NON-STANDARD OR IMPROPERLY ASSEMBLED MAGAZINES MUST NEVER BE USED. THEY CAN CAUSE THE PISTOL TO MALFUNCTION.

DO NOT LOAD AND FIRE WITHOUT THE MAGAZINE!!!

TO UNLOAD

Removing the magazine does not unload the pistol! To unload, first remove magazine, then pull the bolt to the rear, eject chambered cartridge, and visually inspect chamber to be sure it is empty. Always point the pistol in a safe direction when loading or unloading.

WARNING: This sequence must be followed exactly as outlined. Failure to do so can result in the chamber being unintentionally loaded with a live cartridge!

1. The muzzle of the pistol must be pointing in a safe direction at all times and fingers should be outside of the trigger guard.
2. Remove the magazine from the pistol by pushing the magazine latch forward.
3. Hold the pistol firmly and grasp the bolt handle. Retract the bolt to its rearmost position briskly to extract and eject any chambered cartridge. Always visually double-check that the chamber, breech-face and the interior of the receiver are clear of any live rounds.

THE PISTOL WILL FIRE WITH THE MAGAZINE REMOVED.

Always keep fingers away from trigger! Never put any part of your hand or body over the muzzle while retracting the bolt for loading, unloading, inspection or clearing malfunction.

KEEP HANDS AWAY FROM MUZZLE AND FINGER OFF TRIGGER.

4. To close the bolt, **again check to be sure the chamber and breech-face are empty.** Pull the bolt to its rearmost position and release it. The bolt will snap forward. Keep fingers out of ejection port on top of slide! Keeping the muzzle in the safe direction, press the trigger to release the hammer.
5. If the magazine contains cartridges, they can be removed by sliding each cartridge forward and out of magazine, one at a time, until the magazine is empty.
6. Push empty (unloaded) magazine into the receiver until magazine latch locks it in place.

REMEMBER that even though the magazine has been removed, a live round remaining in the chamber can still be fired.

TO EXTRACT AND EJECT A CHAMBERED CARTRIDGE

When the pistol is fired, the same gas pressure that drives the bullet forward also acts through the cartridge case to push the bolt to the rear. The action causes extraction and ejection of the fired cartridge case. If a cartridge fails to fire or if the shooter wishes to eject the chambered cartridge manually, follow the procedure "To Unload" step 3. When the bolt is operated by hand, there can be a failure to extract the cartridge from the chamber, or a failure to eject the cartridge clear of the pistol. These failures usually are the result of the bolt not being pulled rearward vigorously and then released. From the foregoing, it is clear that the gun user must:

1. Always visually check the chamber and the breech-face after opening the bolt to eject a chambered cartridge. If the bolt is not vigorously retracted when being operated by hand, the extracted cartridge can be "ejected" into the magazine-well or remain held to the breech-face by the extractor.
2. Thoroughly clean the chamber and the extractor as often as necessary. If an empty magazine is in the pistol when the bolt is being hand retracted to extract a cartridge, the cartridge may drop on top of the magazine or remain held to the breech-face by the extractor. Then when the bolt goes forward, the cartridge will be chambered again!

Remember — always remove the magazine before clearing the chamber, and visually ensure that no cartridges remain in the gun.

TO CLEAR A MALFUNCTION (“JAM”)

1. Be certain the muzzle is continually pointed in a safe direction.
2. If possible, remove the magazine. It may be necessary to manually remove a jammed cartridge that has only been partially stripped from the magazine. If so, use extreme care. Move the bolt all the way to its rearward position and hold it firmly with one hand, before attempting to clear the jam. Moving the bolt fully to the rear may bring the jammed cartridge along.
Keep your face away from the ejection port during this operation. When attempting to clear a jam, use only wood “tools” so that the cartridge will not be damaged or the primer ignited. A 3/16” pointed hardwood dowel is useful.
3. Visually check to make sure that all cartridges have been removed from the pistol. Safely dispose of any cartridges involved in a malfunction incident. Do not use damaged ammunition in any firearm.

Any auto-loading pistol may occasionally malfunction. If a cartridge hangs up, jams or binds when being chambered, do not attempt to force it into the chamber by pushing or striking the bolt. Carefully remove it. Most failures of a cartridge to feed or to chamber properly are caused by a damaged magazine, incorrect gun handling, insufficient lubrication, or improper or oversized ammunition. Whatever the cause, the user of the pistol must, above all, recognize that any cartridge jam can result in the very potentially dangerous situation of a cartridge discharging before it is properly chambered. If this happens, the cartridge case may rupture and its fragments fly out of the ejection port of the pistol with sufficient force to cause serious injury. **Always wear shooting glasses!**

TO MINIMIZE MALFUNCTIONS (“JAMS”)

1. If it appears that the type of ammunition being used caused the jam, try another brand, type, or lot number. Remember — use only factory ammunition of the correct caliber.
2. If changing ammunition does not at once eliminate malfunctions, then the following steps should be taken:

Thoroughly clean the pistol, paying particular attention to the removal of accumulated grease and dirt. Use a bristle brush and solvent to remove grease and fouling from the breech-face, extractor, chamber, and feed ramp area immediately behind the chamber.

Check to be sure that the magazine spring firmly returns the magazine follower to the top of the magazine.

Check the magazine lips to be certain that they are free of nicks and burrs and that they are not deformed or cracked.

Remove excess oil and solvent from all cleaned components, load the magazine and try the pistol again. Make sure you are following the correct loading and firing sequence as described in this manual.

If none of the above steps is effective, try a different magazine. If a different magazine does not function correctly, return the pistol and magazine to the Pioneer Arms Corp. Product Service Department. xxxxxxxxxxxxxxxx

Alterations to the pistol or use of improper magazines and accessories may cause malfunctions.

TO DISASSEMBLE

Be sure pistol is unloaded!

1. **Keep pistol pointed in a safe direction.** Press the magazine latch forward and withdraw the magazine from the receiver of the pistol and let the bolt go forward (see Figure 4).



Fig. 4

2. Lay the pistol flat on its left side on the bench. Locate the locking catch on the back of the receiver (see Figure 5)
3. Press the locking catch and lift the upper receiver up. It is important to perform this operation while the pistol is laying flat on bench. Upper receiver is connected to the receiver with the hinge pin and does not have any locking device preventing it from slamming back to its rest position after locking catch is open (Figure 5)



Fig. 5

4. Note the bolt contained in the upper receiver. Lower the receiver completely hinged down (Figure 6)



Fig. 6

5. Pull the bolt back and slowly drop it out of the upper receiver (Figure 7 and Figure 8)



Fig 7



Fig. 8

6. Remove the recoil spring out of the bolt (Figure 9)

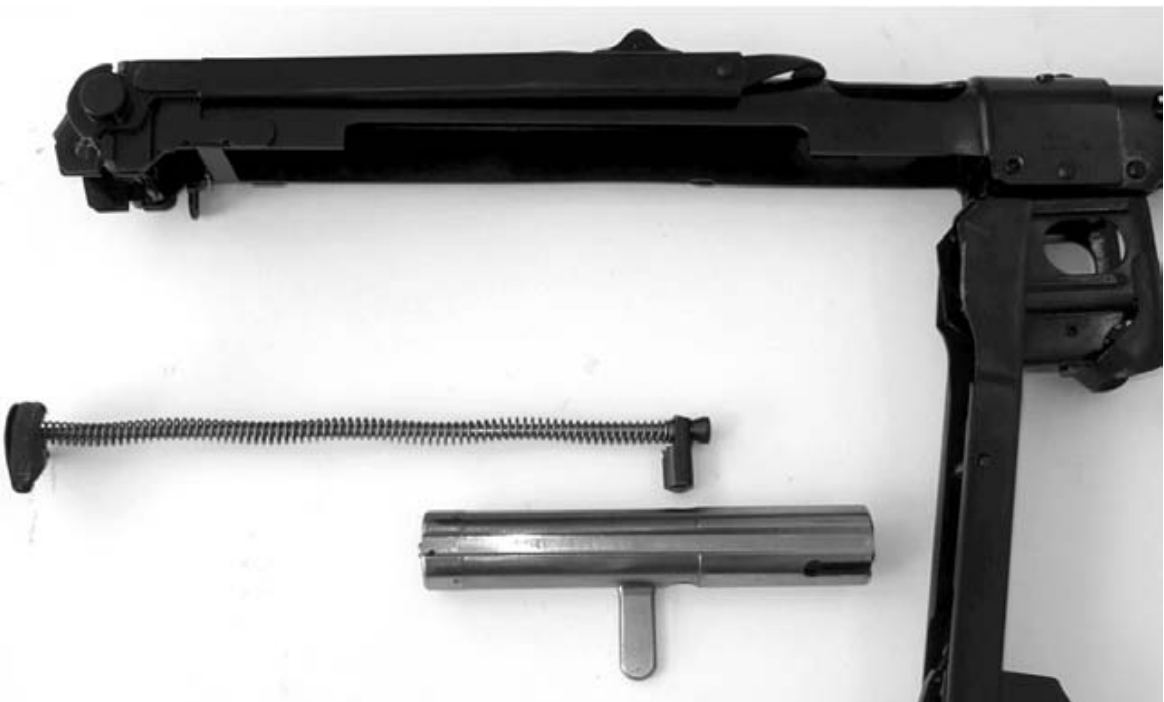


Fig. 9

7. Inspect the chamber and verify that it is empty.
8. The pistol is now disassembled for cleaning (see Figure 10).

No further disassembly is recommended.



Fig. 10

TO REASSEMBLE

1. Be certain chamber and magazine are empty.
2. Install the recoil spring onto the bolt.
3. Push the bolt onto the upper receiver.
4. Lock the upper receiver onto the receiver.
5. Work the bolt a few times to check the action. Do not dry fire your PPS-43C. As with any gun, dry firing should be avoided.
6. Replace empty magazine onto the magazine well in the receiver of pistol.

MAGAZINE INSPECTION AND CARE

Check the magazine frequently. The magazine follower must move freely and have adequate tension so that each cartridge is quickly raised to the feeding position. The magazine lips should be clean and free of cracks, dents, or nicks so that cartridges are held in their proper feeding position.

If the magazine becomes dirty, it should be disassembled and thoroughly cleaned. The following disassembly instructions apply:

Snap-On Base - Use a punch to press in on the magazine spring seat where it protrudes into the hole in the magazine floor plate. Slide the magazine floor plate toward the front of the magazine, taking care to prevent the forcible ejection of the magazine spring seat and compressed magazine spring. Withdraw the magazine spring seat and magazine spring from the magazine body. Turn magazine upside down and remove magazine follower. Reassemble in reverse order.

When cleaning is necessary, use a solvent that will not rust the metal components or adversely affect the magazine body. After the magazine has been soaked to loosen foreign matter, be certain to shake it vigorously (with the loading opening away from you) to remove solvent or residue from within the magazine. **Penetrating oils and solvents inside a magazine can “kill” or weaken cartridge primers or powder, which can result in failures to fire or other possibly dangerous malfunctions such as leaving a bullet in the bore!**

After cleaning, always check to be certain that the magazine follower movement and tension are correct, and that no solvent or debris remain. **Improper reassembly of the magazine spring can cause failure to feed, which is a potentially dangerous malfunction. If cleaning does not restore proper tension, or if you experience a problem with the magazine, don't use it. Get a different one and try again.**

CARE AND CLEANING

Make Sure Gun Is Unloaded!

BEFORE CLEANING, BE CERTAIN THE PISTOL AND ITS MAGAZINE CONTAIN NO CARTRIDGES.

Your pistol is a precision instrument and to insure reliable function it is necessary to follow a routine maintenance procedure. After firing your pistol, be sure to unload it following the procedure outlined in the section entitled "Unloading" before any cleaning or maintenance procedure. Your pistol should be cleaned by brushing the barrel bore and chamber with a good powder-removing solvent and bore brush. Wipe the areas clean with patches or a swab. Using a small brush dipped in solvent, remove all deposits from around the breech of the barrel, chamber, extractor and adjacent areas which have been subjected to the action of powder or primer residue. Remove any residue on the receiver and upper receiver with light brushing and a solvent. After cleaning the entire gun, use cloth to apply a light coating of high quality gun oil to all external surfaces and wipe clean. Also please make sure that you apply a few drops of oil to the trigger and hammer mechanisms.

For a more detailed cleaning, the pistol should be disassembled as described in the section "TO DISASSEMBLE".

STORAGE

GUNS SHOULD NOT BE STORED LOADED!

Never place or store any firearm in such a manner that it may be dislodged. Firearms should always be stored securely and unloaded, away from children and careless adults. For increased safety, firearms should be stored unloaded and locked in a location that is both separate from their ammunition and inaccessible to children and any other unauthorized person.

SERVICE

Should your pistol require adjustment, refinishing or repair, it is required by law that it be returned to the factory in unloaded condition.

WARNING - BEFORE SHIPPING ANY FIREARM, BE ABSOLUTELY CERTAIN THAT IT AND ITS MAGAZINE ARE UNLOADED. DO NOT SHIP CARTRIDGES WITH A FIREARM.

In shipping the pistol, be sure to adhere to the following rules:

Individuals who wish to return the pistol for service can do so by shipping it prepaid to the address below. No return authorization is required.

Include a letter of instruction, full name, address, telephone number and the gun's serial number. This will ensure prompt service and handling. Once your pistol has been received, anything other than warranty work will receive a quotation.

You will be notified of full charges and no work will commence before receiving your approval of our quotation.

All quotations are payable by money order, Visa and Master Card only. No COD's or personal checks will be accepted.

Please return your pistol to:

**PIONEER ARMS CORP.
1580 OLD DAYTONA CIRCLE
DELAND, FL 32724
(386) 290-0379**

**MANUFACTURER – PIONEER ARMS WARRANTY
ONE (1) YEAR LIMITED WARRANTY**

Pioneer Arms Corp., Radom, Poland, warrants to the original retail purchaser, that the PPS-43C pistol will be free of defects in material and workmanship for a period of one (1) year from the date of purchase.

All warranty works shall be performed by the Pioneer Arms Corp., 1580 Old Daytona Circle, Deland, FL 32724.

This warranty does not cover the cosmetic appearance of the PPS-43C pistol or any damage caused by abuse, misuse, neglect and alternations or modifications of the firearm.

For PPS-43C pistol parts and service please contact:

**PIONEER ARMS CORP.
1725 S NOVA RD., UNIT D 6 & 7
SOUTH DAYTONA, FL 32119
(386) 290-0379**

