



SP-96 SINGLE-SHOT PISTOL

OWNER'S MANUAL



PICRA - Ing.Ivo Picsek, Pražská 346, 270 01 Kněžves, CZECH REPUBLIC

SP- 96 TECHNICAL PARAMETERS

	VERSION - PRODUCTION	VERSION - UNLIMITED
BARREL		
Caliber	.22 LR, .22 HORNET, .22 PICRA, .223 REM, .260 PICRA, .260 R PICRA, 7x49 GJW, .30 PICRA, 30x39, .300 WHISPER, .357 MAG	
Length	270 mm	350 mm
SIGHTS	Dioptric adjustable open sights, optical	Adjustable open sights
Calculated length	340 mm	380 mm
GRIP	ergonomic	ergonomic
Material	rubber, walnut, size 1-2-3	
TRIGGER	movable ± 8 mm	movable ± 8 mm
Trigger resistance	adjustable 300 to 1 800 g	adjustable 300 to 1 800 g
TOTAL LENGHT	396 mm	447 mm
TOTAL WEIGHT	1 780 g	2 010 g

Owner's manual

PICRA SP-96 single-shot pistol

Dear friends,

you chose the firearm, that was developed in cooperation with the best European shooters. This is high quality firearm capable of great results in sport shooting or hunting. Your results depend also on used ammunition.

The specific qualities of this gun are the interchangeable barrel system (barrel - action) in various calibers and barrel length using only one frame. No tools are necessary. Time of change is from 15 to 20 sec. The bolt action allows maximum using barrel length and the sight radius even in PRODUCTION discipline, in contrast to other systems (for example with drop barrel). The main advantage of this system is in shooting several disciplines with the same trigger and grip setup.

The gun is manufactured in various calibers so there are small differences in operation depending on the caliber (small bore - big bore). It is important for you to read and understand these instructions before using this gun. If you feel uncertain about any operational aspects of your handgun, please contact the dealer or the manufacturer, before proceeding with it's operation.

WARNINGS

You must follow all safety rules to ensure the safe use of your firearm. As an owner of the firearm you are responsible for firearm's safety and security. The failure to follow these basic firearm safety rules may result in an unintended discharge which could cause serious personal injury or death to you or others.

- 1) Always treat every firearm as it is loaded, even if it personally checked. Do not take anyone's word that the firearm is unloaded. Check it always for yourself. It is proper to leave the bolt action opened when carrying so anybody can see that the firearm is not loaded.
- 2) Always keep your firearm pointed in safe direction. Never point a firearm at anyone or anything you do not intend to shoot whether or not it is loaded. This is particularly important when loading, unloading, or field stripping the gun. Never run, never climb over the fence and into the tree and jump into the ditch with a loaded gun.
- 3) Always point in a safe direction. Do not point at anything you do not intend to shoot. Never turn a sight of gun against each other.
- 4) Before shooting, check the background of the target. Make sure, that nobody is in immediate proximity of the target. Be absolutely sure of the safety of the target and its background. Never shoot at a flat hard surface or water. Never shoot at a target in the sky or in the air. Remember that reach of .22 LR is 1,5 km, reach of large caliber is 4 km and more.
- 5) The caliber ammunition for that gun is address, stamped on the barrel. Never use any other charges. Use only clean, fresh charge.

- 6) Keep your firearm in cleanness. Before shooting, make sure the barrel is not clogged with dirt, water, grease, snow or other foreign material. Never shoot with sight in the water or against another material.
- 7) Always wear ear protectors and shooting glasses. Never mix alcohol and drugs with shooting.
- 8) Gun should be unloaded and with unstretched striker stored and locked in a safe place. The ammunition store locked at a separate place. Anyone trying your firearm should be get to know the above mentioned safety instructions and should be under your control. Never lend a gun to anybody who is not get to know the safety manipulation with gun and with these safety instructions.
- 9) Follow up any changes in the function of your gun that could affect its safety. If you suspect a defect or malfunction, stop use the gun, remove the shells and allow the gun checked and repaired by a competent gunsmith, in factory or workshop, which will be recommended you by a seller. Deconstruction other than normal cleaning can be done only by recommended gunsmith.
- 10) When you take your gun apart, pay attention to spring of firing pin, which is very compressed and when released it can hurt you.
- 11) Your hand gun PICRA been carefully complied and checked by experienced technicians to ensure the maximum benefit. Lifetime period depends on the owner's care and strict respecting of this manual.
- 12) Always handle with your gun with extreme caution. Make sure, that nobody else can manipulate with the gun or causing the unhappiness.

BEFORE FIRST USING



Picture no. 1

Your Picra gun is treated with protective lubricant from the factory. You must clean it before first shooting. Follow the instructions:

First, remove the finish – this eject after pressing of stop wedge on the left side of the end tube. You can also remove the whole barrel (or the whole system) from the frame with grip, so that enable fastening screw 5 (see picture no. 2), with right hand take of the gun by the grip, left hand at the end of the barrel and gently pulling the left hand, then lifting up the whole system the handles in the frame.

Now lightly wipe up the excess grease from the barrel and receiver surface. Dry cloth to wipe the barrel dry, and make sure, it is perfectly clean. Make sure the locking surfaces of cog are lubricated with oil or grease and return ends into the end tube. Now you can reverse the removal procedure to placed the system. Starting at the rear end of the end tube, which groove placed onto the retaining frame cog at an angle of about $10 \div 15^\circ$. Now you can cover the barrel on the frame so until it is fully seated.

WARNING!

You must always open the bolt action a pull it slightly out when putting on the barrel. Always check if the barrel and the frame fit together. If not irregular gap is somewhere, and then you can already tighten the screw no. 5 (see the picture no.2). Arresting segment no.6 securely fixed the extension on frame.

Check it also during the shooting. It needs a small practice to change the barrels in $15 \div 20$ sec.



Picture no. 2

LOADING AND SHOOTING

Shoot only on suitable and safe place and with correct ammunition for your gun. Use only fresh ammunition matching the caliber of your gun. If you use overcharge ammunition, follow the values in overcharge manuals and these never exceed. Before shooting, make sure the inside of the barrel is clean and free of any dirt or hindrance.

Charging the gun so that is fully open and charge is inserts into the charge chamber. The charge should be pushed thumb completely or almost completely into charge chamber. In case if the gun is caliber .22 LR, lays the charge of this caliber feeder before the facing of the charge chamber. The end is push to the front position and movement of the closing lever down to lock it. During this activity, you may not have your finger on the trigger and you have to aim at a target or to a safe area. The gun is loaded and the striker is loaded at this moment. Now you are ready to shoot. After shot open again at its conclusion and backward motion to get rid of the fired charge. When recharging, repeats the previously described procedure. During the ejecting of charge, which not been shoot, proceed as empty cartridge. In case that the charge is longer than the ejection window in the end tube (7 TCU, 7 GJW etc.), it is necessary to remove charge together with the end. Alternatively, it is possible to lift the claw of ejector by means of screwdriver and this way release the charge.

ADJUSTMENT

Trigger

Factory setting of the trigger is approximately 8 N resistance. The trigger resistance is adjustable from 5 to 18 N with the screw Nr. 1 front of the trigger. (see the picture no. 3). The screw no. 2 adjusts loose action of the trigger before releasing and the screw no. 3 adjust. the end stop of the trigger. The screw no. 4 used for lengthwise displacement of the trigger deadbolt ± 8 mm. You can optimally adjust the “possession” by the size of the shooter hand.

After the adjusting we recommended this screw to pull, because during the shooting the particularly powerful ammunition could occur due to the recoil to move the shutter forward.

If you suppose that your trigger requires any action, put the gun to experienced gunsmith or Manufacturer’s recommended workshop.

After setting the trigger to the desired values, it is recommended to ensure all the set screws, for example with LOCTITE.

The sights

Your PICRA SP-96 is standard equipped with open sights with micrometrical height regulation. The sights have replaceable front sight blade according to the width and rear sight slide with various widths of groove. The front sight is protected with sliding tunnel. During the adjusting the height hit the target you are turning with micrometer lock screw as follows:

- To the right ... hit the target move down
- To the left ... hit the target move up

1 click of the screw corresponds to the hit movement about 13 mm at a distance of 100m. During the setting of horizontal displacement, follow these steps:

- Hit displacement to the right ... loosen a right screw of hat position and about the same angle drag the left screw
- Hit displacement to the left ... loosen a left screw of hat position and about the same angle drag the right screw

Perform the screws tightening with a proportional force not to damage the screws or rear sight slide.

Turning the screw slightly about 90° displaced hit on the target remotely placed 100m about 50 mm.

During the rear sight base removal from the gun we loosing completely both screws open hole in upper area of slide rocking and this freely remove.

Peep sights

Peep sights are fastened into the same threaded hole like open sights. Front sight ramp has replaceable transparent rings in various sizes. Diopter has replaceable apertures according to needs and requirements of shooter.

1 click at the vertical and also at horizontal direction corresponds to the hit movement about 20 mm at a distance of 100m.



Picture no. 3



Picture no. 4

Mounting of telescope

The company Picra uses for the telescope mounting its standard one-stand mounting PICRA. It is mounting on the front side of half-groove 11 mm, created on the upper part of end tube. Installation of this mounting is by means of two bolts M4, which are a part of the packaging, into the threading holes prepared in advance. They are usually covers worms M4.

After the sufficient tightening of mounting the rifle scope is inserted into the sleeve and lightly tighten.

Straighten with the warp (horizontal position) and the distance from the eye. Then enough tighten the warp.

We recommend you to fix the scope with glue if you shoot with powerful ammunition.



Picture no. 5



PICRA SP-96 with telescope mount



Detail on the peep sight

CLEANING AND MAINTENANCE

To keep a gun in the best condition and were sure, that it will work perfectly, you should clean the gun carefully after each use, and if you live in a humid climate, you should clean the gun at least once a month.

Before cleaning make sure that the gun is unloaded. According to previous instructions remove the barrel (system) from the receiver and remove the end from the gun. Then use a good quality cleaning rod, through the barrel bore from the chamber to the mouth and repeat this procedure until the barrel is not clean.

If you have quite a lot shooting or the ammunition you use leaving enough remainders, it may be necessary use a solvent for the barrel – non-corrosive and non-abrasive, and after that you can continue to dry cleaning rod. Make sure to follow the manufacturer's instructions cleaning rod.

When you are satisfied with the barrel purity, oiled rag stretch using the cleaning rod in the same manner as mentioned above. One stretch oiled cloth should do enough. Now wipe the ending cogs and all exterior metal components so, that are lightly covered with oil film.

Use only acid-free oils known for the quality of guns, especially when cleaning the barrel bore. No other chemicals should be used. Once in a while is also appropriate to dismount the end to clean and re-oiling the moving parts.

The end disassembled so that the abutment mainspring (roller \varnothing 6 mm) on the end of the end you push on the corner vise, table etc. for about 1 mm and unscrew the locking screw of guide sleeve. After that the guide sleeve and guide slide out carefully. Finally, then unscrew the cap bolt and eject the cogs.

Warning

When delaying the conclusion of the pad could be heavily compressed spring (~ 80 N) and hurt someone or get lost.

After the ejecting of spring, striker and ending cogs is necessary to clean everything from the dried oil and from the combustion gases and oil with quality firearms oil. Installation is in the opposite manner. The movable parts on receiver wipe with a dry cloth to remove any dirt and after that lightly oil. All areas, where are abnormal pressures (trigger cog, firing pin, locking cogs, pull and stretch the end slant) is very beneficial to apply a high quality fat, e.g. with the addition of teflon. Ask your dealer of firearm for the suitable preparation for the operation see above. During the eventual replacing of faulty component make sure, that the part is original and is designed for you firearm.

NEVER replaced the firing pin or the end from one firearm to another!

LIST OF PARTS

- | | |
|--|--|
| 1. Barrel | 27. Lock |
| 2. End tube | 28. Locking cogs |
| 3. End | 29. Trigger rocker |
| 4. Receiver | 30. Trigger cogs |
| 5. Slide base | 31. Trigger cogs spring |
| 6. Slide rocking | 32. Trigger pin |
| 7. Rear sight slide | 33. Trigger motion screw M3 x 5 |
| 8. Screw M4 x6, 2x | 34. Firing pin cogs |
| 9. Micrometrical screw | 35. Firing pin cogs spring |
| 10. Arresting spring | 36. Firing pin cogs pin |
| 11. Arresting pin | 37. Stop pin |
| 12. Pin \varnothing 2 x 24 | 38. Trigger set screw |
| 13. Rocking spring | 39. Trigger resistance spring |
| 14. Arresting screw M4 of rear sight slide | 40. Trigger stop screw |
| 15. Sight bridge | 41. Trigger |
| 16. Front sight blade | 42. Screw M3 x 8 |
| 17. Front sight hat | 43. Trigger guard |
| 18. Screw M4 x 5 | 44. Screw M4 x 6, 2x |
| 19. Screw M5 x 5 | 45. Arresting segment |
| 20. Extractor | 46. Segment spring |
| 21. Pin \varnothing 1,5 x 8 of extractor | 47. Locking screw |
| 22. Extractor spring | 48. Segment pin \varnothing 5 x 14 |
| 23. End screw stopper | 49. Grip |
| 24. Firing pin | 50. Grip screw |
| 25. Firing pin spring | 51. Front grip |
| 26. Spring butt | 52. Self-taping screw \varnothing 3,5x20, 2x |

LIST OF SPARE PARTS DELIVERED WITH THE SP-96

- | | |
|---|------|
| 1. Front sight blade \varnothing 2,7 mm | 1 pc |
| 2. Front sight blade \varnothing 3,3 mm | 1 pc |
| 3. Rear sight slide width 2,0 mm | 1 pc |
| 4. Rear sight slide width 2,2 mm | 1 pc |
| 5. End screw of telescope mounting M4 x 4 | 1 pc |
| 6. IMBUS key no. 2,0 | 1 pc |
| 7. IMBUS key no. 2,5 | 1 pc |
| 8. IMBUS key no. 3,0 | 1 pc |
| 9. IMBUS key no. 4,0 | 1 pc |