

# CZ 805 BREN PS 1

INSTRUCTION MANUAL



**Before handling the firearm read this manual carefully and observe the following safety instructions.**

Improper and careless handling of the firearm could result in accidental discharge and cause injury, death or damage to property. The same repercussions can be caused by unauthorized modifications or adjustments, corrosion, or use of non-standard or damaged ammunition. In these cases the manufacturer shall not be held responsible in any manner whatsoever for the resulting consequences.

Before leaving the factory the firearm was tested, inspected and packaged in accordance with company policy. Ceska zbrojovka a.s. cannot accept responsibility for product handling whilst in transit after dispatch from the factory. Therefore, examine the firearm carefully upon receipt to ensure that it is unloaded and undamaged.

This instruction manual should always accompany the firearm in the event of loan or further sale.

**CONTENTS**

SAFETY INSTRUCTIONS	3	MAINTENANCE INSTRUCTION	8
FIREARM DESCRIPTION AND TERMINOLOGY	5	Stripping the firearm for cleaning	8
OPERATING INSTRUCTIONS	6	Cleaning the Firearm	9
Ammunition	6	Cleaning the Barrel and the Chamber	9
Removing the magazine	6	Cleaning of Other Parts	9
Loading the magazine	6	Preservation of Firearm	10
Loading the firearm	6	Waste Management	10
Unloading the firearm	7	TROUBLESHOOTING	11
Setting the firearm on-safe	7	LIST OF PARTS	12
Reloading while firing	7	TECHNICAL DATA	14
Adjusting the sights	7		
Attaching the special accessories	8		
Changing the pistol grip back strap	8		

**SAFETY INSTRUCTIONS**

Always follow the safety instructions for your safety and the safety of others.

1. Always handle the firearm as if it were loaded.
2. Never point the firearm at anything you do not intend to shoot at. Also never point a firearm at anybody even in fun.
3. Never take anyone's word that the firearm is unloaded.
4. Always make sure that the firearm is not loaded before laying it down or handing it over to another person.
5. Always store the firearm unloaded with the striking mechanism released.
6. Never abuse the firearm by using it for any purposes other than shooting.
7. Never leave a firearm unattended.
8. Prior to loading the firearm ensure the barrel, chamber and action are clean and clear of obstructions. If the firearm becomes excessively dirty during firing clean it immediately. Always clean the firearm after use.
9. Always use clean and dry original high quality commercially manufactured ammunition, which corresponds to the caliber of the firearm.
10. Never drink alcohol or take drugs before and during shooting.
11. Whenever practical always wear safety glasses and ear protection while shooting.
12. When the firearm is loaded always keep the fire mode selector in the safe position until you are ready to fire. Keep the firearm pointed in a safe direction when disengaging the safety.
13. Always keep the ejection port clear of obstructions and people.
14. Never pull the trigger or put your finger within the trigger guard unless you are aiming at a target and ready to fire.
15. Always make absolutely sure of your target and the area behind it before pulling the trigger. The bullet can pass through or past the target up to several hundred meters.

16. Never shoot at a hard surface such as rock, or a liquid surface such as water.
17. Never fire near an animal unless it is trained to withstand the noise.
18. Never indulge in "horseplay" while holding the firearm.
19. Failure to fire: In case it fails to fire, hold the firearm keeping it pointed in a safe direction and wait 30 seconds. If a hangfire (slow ignition) has occurred, the cartridge will fire within 30 seconds. If the cartridge does not fire, eject the cartridge and examine it. If the firing pin indent on the cartridge is light, or non-existent, have the firearm examined by a competent gunsmith.
20. Always make sure your firearm is not loaded before cleaning, storing or travelling.
21. Always keep and store your firearm and ammunition in separate secure locations out of reach and sight of children and unauthorized persons.
22. Never alter any parts of your firearm; the safety and proper function of your firearm could be seriously affected.
23. Always be aware that corrosion, use of damaged ammunition, dropping the firearm on hard surfaces or other "rough treatment" can cause damage that is not necessarily obvious at first sight. If something like this happens, have the firearm examined and tested by a competent gunsmith.

**FIREARM DESCRIPTION AND TERMINOLOGY**

Nomenclatures of all CZ 805 BREN PS 1 parts are presented in the section *List of Parts*.

The CZ 805 BREN PS 1 is a weapon intended for aimed shooting up to the distance of 50 metres. It enables the user to shoot single rounds. It is provided with adjustable sights. The firearm is equipped with a double-column magazine featuring double-feeding and a capacity of 30 cartridges. The characteristic features of the firearm include the following:

- excellent balancing which ensures prompt and easy aiming at targets
- facility to mount various accessories on the Weaver rail designed according to MIL-STD-1913 standards
- the muzzle is provided with a thread allowing for the attachment of various accessories (such as flash hider, sound suppressor, blank firing adaptor, etc.)
- the control elements provide for easy and comfortable use and allow for ambidextrous handling
- the firearm can be easily stripped for cleaning and routine maintenance
- high accuracy of shooting
- long service life
- high reliability

## OPERATING INSTRUCTIONS

### Ammunition

Always use brand ammunition of corresponding caliber which complies with the regulations CIP (International Proof Commission for Firearms) or SAAMI (Sporting Arms and Ammunition Manufacturers' Institute Inc. of the United States). The use of different ammunition can cause functional defects, damage to the firearm or injury to the user.

### Removing the magazine

Grasp the magazine with one hand and press the magazine release; the magazine will spring out of the magazine well. Remove the magazine out of the firearm.

### Loading the magazine

Grasp the magazine with its open end pointing upwards. Put a cartridge onto the follower and push it downwards. Put another cartridge onto the previous one and push it in the same way.

### Loading the firearm

WHEN LOADING THE FIREARM ALWAYS POINT IT IN A SAFE DIRECTION!

Insert the loaded magazine into the firearm until it produces an audible noise and make sure that it is secured by the magazine release.

Set the fire mode selector into the "off-safe" position. When the fire mode selector is in the "safe" position it is not possible to move the breech block carrier.

Grasp the handle of the breech block carrier, move it smoothly to its rearmost position and release it. During this process, a cartridge is inserted into the chamber and the striking mechanism is drawn. The firearm is now ready to fire. In case you do not intend to shoot right away, secure the firearm as described in the section *Setting the firearm on-safe*.

**Unloading the firearm**

POINT THE FIREARM IN A SAFE DIRECTION!

- Remove the magazine as described above
- Set the fire mode selector into "off-safe" position
- Pull the breech block carrier into the rear position and make sure that the cartridge has been extracted from the chamber and ejected out of the firearm
- Release the breech block carrier
- Pull the trigger (dry fire)

**Setting the firearm on-safe**

In order to secure the firearm it is necessary to set the lever of the fire mode selector into the position indicated by a white dot. In this condition it is not possible to pull the trigger or manipulate the breech block carrier.

**Reloading while firing**

After the last cartridge has been fired from the magazine, the breech block carrier remains in the rear position (so called locked-open position). Remove the empty magazine and insert a loaded one. Pull the breech block carrier into the rearmost position and release it with an energetic movement. The firearm is now reloaded and ready to shoot again.

**Adjusting the sights**

The folding rear sight can be only adjusted for windage with the help of the adjustment screw. The folding front sight can be adjusted only for elevation by tightening or loosening it. To fold the sights it is necessary to press the side locking button.

Position no. 1 is used for the attachment of the front sight on the upper Weaver rail while the position no. 31 is used for the attachment of the rear sight. The sights which are supplied with the firearm can be substituted by different ones.

### Attaching the special accessories

In order to attach special accessories, the firearm is equipped with a Weaver rail according to MIL-STD-1913 standards. It is recommended to check the tightness of the securing screws of the rail regularly and tighten them if necessary.

### Changing the pistol grip back strap

Each firearm can be supplied with a spare back strap which enables the rear part of the pistol grip handle to be adjusted according to the needs of an individual user. The back strap can be changed after the back strap pin (which is secured by a glue) is removed and the back strap is removed from the rails of the pistol grip.

## MAINTENANCE INSTRUCTION

### Stripping the firearm for cleaning

1. Remove the magazine and set the fire mode selector into the off-safe position.
2. Pull the breech block carrier into the rear position and make sure that the cartridge has been extracted out of the chamber and ejected out of the firearm. Release the breech block carrier.
3. Press the front disassembly pin from aside the firearm and remove it. Remove the pistol grip with the magazine well.
4. Press the rear disassembly pin from aside and remove it.
5. Press the stock disassembly button fully and remove the rear head by sliding it downwards.
6. Remove the recoil assembly.
7. Move the breech block carrier into the rear position where it is possible to release the handle of the breech block carrier. Then remove the handle of the breech block carrier and eject the breech block carrier assembly out of the firearm.
8. Press the gas tube pin, twist the gas tube to the extraction position and remove the gas tube from the firearm. Now you can remove the piston assembly as well.

Note: The breech block carrier handle can be mounted on both left and right side depending on the preferences of the user.

**CAUTION:**

Do not strip the firearm any further. If you assume that the firearm requires adjustment or repair, entrust this work to a specialized workshop!

**Cleaning the Firearm**

Clean the Firearm

- after every use
- if it gets wet
- immediately after shooting
- at least once a year in temperate climates
- as often as once a month in tropical or extreme climates

**Cleaning the Barrel and the Chamber**

If the firearm has not been fired or if only a few cartridges have been fired clean the barrel and chamber by a clean patch attached to the cleaning rod. Repeat the cleaning, changing patches, until the last patch comes out clean.

If the barrel is very dirty, apply a gun cleaning solution with the aid of a cleaning brush. Let the solvent act for about 10 minutes (this time may vary depending on the solvent agent being used). Then scrub out the barrel thoroughly. Subsequently, dry the barrel and chamber with a clean patch and check that all powder residue or fouling has been removed. If necessary repeat this procedure. The cleaning rod and the brush must be inserted into the barrel from the chamber to prevent wear or damage to the muzzle. Pull the brush all the way through the barrel before reversing the movement. If you tried to change the direction of pulling, the brush would get stuck in the barrel.

**Cleaning of Other Parts**

Clean the remaining metal parts of the firearm with a dry cloth, or use the brass or nylon brush or the scraper included in the Cleaning kit of the firearm. Preserving oil can be used for proper cleaning. Never use the agent designed for barrel cleaning! These solutions can remain in the joints causing corrosion after some time. Check that cloth particles or brush bristles have not lodged in any part of the firearm.

**Preservation of Firearm**

When the barrel, chamber, and all accessible parts are clean and dry, wipe these parts with a cloth soaked in gun oil or apply oil in spray form. Remove all excess oil.

Before shooting always pull through the barrel with a dry patch. At very low temperatures remove the oil from all accessible parts or apply a lubricant intended especially for such conditions.

Use thick preserving agents such as preserving grease only for a long-term storage in severe climatic environments and remove it thoroughly before use from all parts of the firearm.

**Waste Management**

When used properly, the materials used in the product and its packaging have no adverse effects on human health or the environment. When disposing of the product or its packaging, all metal parts (steel and non-ferrous metals), plastics, wood, paper and cardboard should be stored separately in collecting containers intended specifically for that purpose.

The manufacturer reserves the right to adopt changes which are essential for the improvement of its products or which need to be adopted in order to meet requirements given by production or by the market. An individual firearm needs not correspond to the pictures displayed in this manual and the change of the shape of some of the parts does not deteriorate the safety, reliability or the function of the firearm.

## TROUBLESHOOTING

If the firearm is properly used and maintained, malfunctions will rarely occur. However, if such a situation should occur, please observe the following instructions.

**CAUTION** - if a malfunction occurs, the risk of an accidental discharge is substantially higher. For this reason, when clearing malfunctions, follow the above mentioned Safety Instructions. Keep the firearm pointed in a safe direction, do not turn the firearm towards your or anyone else's body. Do not place your hands in front of the barrel!

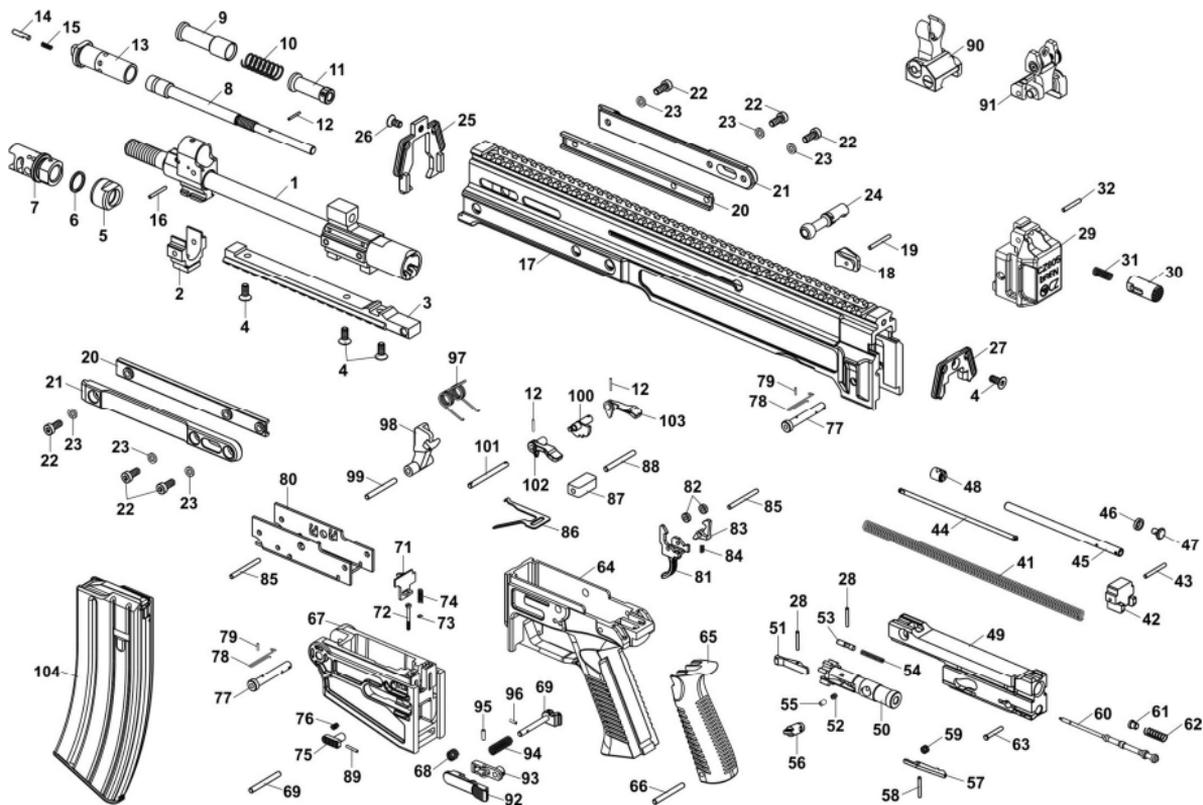
Malfunction	Possible Cause	Remedy
Cartridge is not fed into the chamber or the bolt is not locked	Magazine is not fully inserted or is damaged. The firearm or cartridges are fouled (dirty).	Insert magazine properly or change magazine. Clean the firearm and cartridges and wipe them dry or as the situation dictates, slightly lubricate.
Misfire	Defective cartridge. Firing Pin hole is fouled (dirty) or improper lubricant was used in low temperature.	Follow the Safety Instructions according to point 19. Have the gun cleaned and inspected by a specialized workshop.
A shot sounds "weak"	The cartridge has been activated but no powder load was inside the cartridge case or the powder was moist.	Unload the firearm and check that the bullet has not obstructed the barrel. Firing with the firearm in this condition can cause serious damage to the barrel!
The spent cartridge case has not been ejected	Chamber, extractor or ammunition are dirty or unsuitable lubricant was used in low temperature.	Clean and wipe the firearm dry and lubricate slightly with recommended lubricant. Use clean and new ammunition.

If you are not able to clear the malfunction in a manner described above, entrust the firearm to a specialized workshop for inspection and repair.

## LIST OF PARTS

1 Barrel (Assembly)	32 Disassembly button pin	62 Firing pin spring	86 Trigger spring
2 Front barrel sleeve	33 -	63 Firing pin plug	87 Trigger spring safety
3 Mounting rail	34 -	64 Pistol grip	88 Trigger spring safety pin
4 Mounting rail screw (4x)	35 -	65 Interchangeable back strap	89 Bolt catch/release button pin
5 Flash hider nut	36 -	66 Back strap pin	90 Front sight
6 Flash hider washer	37 -	67 Magazine well	91 Rear sight
7 Compensator	38 -	68 Magazine release spring	92 Magazine release
8 Piston	39 -	69 Magazine release pin (assembly)	93 Magazine release strap
9 Piston spring rest	40 -	70 Magazine release pin spring	94 Magazine release pin spring
10 Piston spring	41 Recoil spring	71 Bolt release	95 Magazine release strap pin
11 Piston buffer	42 Buffer	72 Bolt release guide	96 Magazine release pin lock
12 Piston pin (3x)	43 Buffer pin	73 Washer	97 Main spring
13 Gas tube	44 Recoil assembly bar	74 Bolt release spring	98 Hammer
14 Gas tube pin	45 Recoil guide tube (assembly)	75 Bolt catch/release button	99 Hammer pin
15 Gas tube pin spring	46 Recoil spring washer	76 Bolt catch/release button spring	100 Fire mode selector
16 Gas tube pin	47 Rear guide locking piece	77 Disassembly pin (2x)	101 Fire mode selector pin
17 Receiver	48 Front guide locking piece	78 Disassembly pin spring (2x)	102 Fire mode selector lever, left
18 Deflector	49 Breech block carrier	79 Disassembly pin plug (2x)	103 Fire mode selector lever, right
19 Deflector pin	50 Breech block	80 Trigger mechanism housing	104 Magazine
20 Receiver insert, front (2x)	51 Extractor	81 Trigger	
21 Side cover plate (2x)	52 Extractor spring	82 Trigger spacer (2x)	
22 Securing screw (6x)	53 Ejector	83 Disconnecter	
23 Securing screw washer (6x)	54 Ejector spring	84 Ratchet catch spring	
24 Breech block carrier handle	55 Spring element	85 Automatic trigger pin (2x)	
25 Front swivel	56 Operation pin		
26 Front swivel screw	57 Firing pin block		
27 Rear swivel	58 Firing pin block pin		
28 Extractor and ejector pin (2x)	59 Firing pin block spring		
29 Rear head	60 Firing pin		
30 Disassembly button	61 Firing pin sleeve		
31 Disassembly button spring			

# INSTRUCTION MANUAL



## TECHNICAL DATA

Caliber		.223 Remington
Overall length	[mm]	565
Width	[mm]	77
Height of firearm with magazine, without sights	[mm]	260
Barrel length	[mm]	277
Number of grooves in the barrel		6
Rifling of the barrel (rightward)	[mm/turn]	178 ± 5
Sight radius (with fixed sights)	[mm]	395
Magazine capacity	[cartridges]	30
Weight of empty magazine	[g]	195
Weight of loaded magazine *	[g]	570

\* depending on the type of ammunition used (the data indicated here apply to the S&B Vlačim ammunition)