

MP-512
Standard Air Rifle
Instruction Manual

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1 INTRODUCTION

1.1 Before using the rifle, familiarize yourself with this Instruction Manual. The Instruction Manual describes briefly the main technical data, design and operating instructions for the rifle.

1.2 Since the rifle design is refined continuously to improve reliability and performance, it is subject to changes its without special notice.

2 PURPOSE

2.1 The MP-512 Air Rifle is intended for initial shooting training.

2.2 The rifle is designed to be fired at a temperature of 273°K (0°C) to 323°K (+50°C) using the 4,5 mm lead pellets of the Diabolo-type or other types intended for a pneumatic weapon.

3 SPECIFICATIONS

Caliber	4.5 mm
Overall dimensions	1050x230x40 mm
Rifle length	1050 mm
Trigger pull	20-35 N (2.0-3.5 kgf)
Weight	approx. 2.8 kg

4 LIST OF ASSEMBLY UNITS AND PARTS. SET OF DELIVERED ITEMS

4.1 For the list of assembly units and parts, refer to Table 1.

Table 1

Ref. nos in Figure 1	Description	Qty per unit
1	2	3
1	Barrel	1
2	Sight leaf	1
3	Rear-sight base	1
4	Rear notch plate	1
5	Pin	1
6	Rear-sight spring	1
7	Hinge pin	1
8	Hinge	1
9	Cocking lever pin	1
10	Self-releasing latch pin	1
11	Barrel pin	1
12	Washer	2
13	Cocking lever assy	1
14	Receiver	1
15	Collar	1
16	Piston	1
17	Mainspring	1
18	Trigger housing	1
19	Sear	1
20	Locking lever	1

Continued

Ref. nos in Figure 1	Description	Qty per unit
1	2	3
21	Safety slide	1
22	Sear and locking lever pin	2
23	Sear and locking lever spring	1
24	Trigger	1
25	Trigger housing pin	1
26	Trigger spring	1
27	Stock screw, front	2
28	Stock screw, rear	1
29	Stock	1
30	Frame	1
31	Eyelet	2
32	Trigger guard	1
33	Screw	1
34	Woodscrew	3
35	Nut	1
36	Butt pad	1
37	Self-releasing latch	1
38	Self-releasing latch spring	1
39	Wedge	1
40	Barrel rubber gasket	1
41	Nut	1
42	Adjusting screw	1
43	Screw	1
44	Rear notch spring	1
45	Front-sight base	1
46	Front-sight base nut	1
47	Front-sight	1
48	Muzzle attachment	1

4.2 For set of delivered items refer to Table 2.

Table 2

Description	Qty
Rifle	1
Spare parts:	
collar	1
cleaning rod	1
mainspring	1
muzzle attachment	1
Carrying case	1
Instruction Manual	1

Note – The rifle may come complete with extra "Diabolo" pellets to the number of 350 pcs.

5 DESIGN AND PRINCIPLE OF OPERATION

5.1 The pellet is propelled out of the barrel under the action of compressed air inside the cylinder by the fast-acting piston which is actuated by the spring.

5.2 The rear-sight allows firing to be adjusted for elevation and windage using adjusting screws. By sliding the rear notch plate relative to the frame you may make coarse windage adjustment.

5.3 The stock is made of wood or plastics.

5.4 The automatic safety ensures safe rifle handling.

5.5 The rifle version equipped with a mounting base for a telescopic sight comes complete with a muzzle attachment. This muzzle attachment replaces the front sight to mount the telescopic sight.

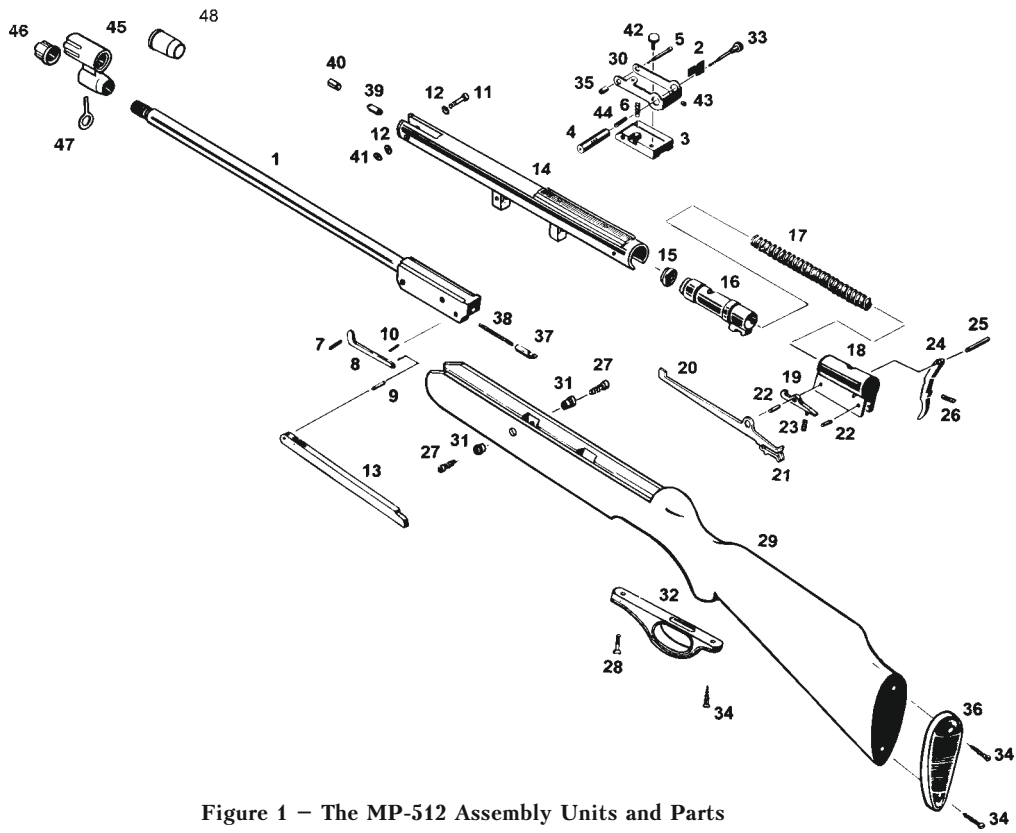


Figure 1 – The MP-512 Assembly Units and Parts

6 SAFETY PRECAUTIONS

6.1 Though the rifle you use has different safeties it may become dangerous, if you handle it carelessly. It is recommended to follow all safety instructions closely.

6.2 In firing you must not:

- 1) aim the loaded or unloaded rifle at people or animals;
- 2) leave or store the rifle loaded;
- 3) leave or store the rifle cocked.

6.3 After firing, make sure the rifle is unloaded.

If a pellet is left in the barrel, take a shot in the direction of a target.

7 PREPARATION FOR USING

7.1 To prepare the rifle for operation:

- remove a preservative grease out of the barrel bore and outer surfaces of the rifle;
- examine outer rifle surfaces to ensure that there are no cracks and breakages on them.

7.2 To prepare the rifle for firing:

- 1) hold the stock grip with one hand while pressing the barrel with the second hand;
- 2) turn the barrel to the extreme rear position against the mainspring force, the piston will be engaged;
- 3) place a pellet into the rifle barrel bore;
- 4) turn the barrel until it locks in its initial position;
- 5) push up the safety slide.

7.3 To set the rifle in the safe position with the piston engaged and the safety turned off, without firing a shot, you should open the barrel, turn it, then lock in its horizontal position again.

7.4 While operating the rifle, follow the instructions indicated in the section "Safety Precautions" closely.

8 MAINTENANCE

8.1 To extend the rifle service life, follow the instructions below:

1) do not fire the rifle in dry, i.e. without pellets in the barrel;

2) fire ammunition intended for air weapon.

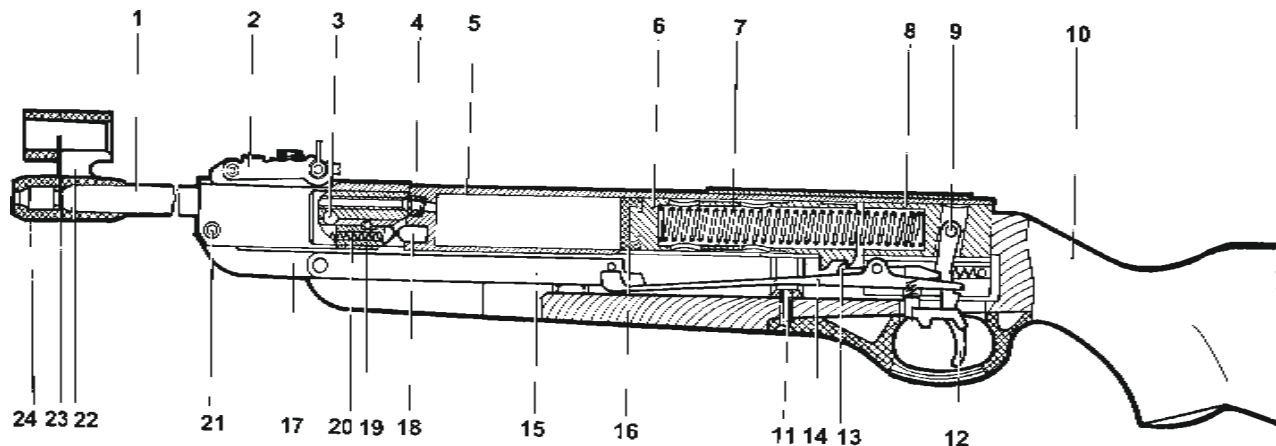
8.2 Disassemble the rifle only for preventive inspection and repair. Disassembling procedure is as follows:

1) unscrew the stock screws 27 and 28 and detach the stock 29 (see Figure 1);

2) drift out the housing pin 9 (see Figure 2);

3) rest the rifle with the receiver 5 rear end on a support and carefully turn the trigger housing making a locking pin to go out of the receiver recess. Detach the trigger housing against the action of the mainspring spring 7.

Note – Do not disassemble the rifle holding the receiver suspended, otherwise the trigger housing thrown out by the spring abruptly may injure you seriously.



1 – Barrel; 2 –Rear sight; 3 – Barrel pin; 4 – Barrel gasket; 5 – Receiver; 6 – Piston; 7 – Mainspring; 8 – Trigger housing; 9 – Trigger housing pin; 10 – Stock; 11 – Stock screw, rear; 12 – Trigger; 13 – Sear; 14 – Locking lever; 15 – Cocking lever; 16 – Collar; 17 – Hinge; 18 – Wedge; 19 – Self-releasing latch; 20 – Self-releasing latch spring; 21 – Hinge pin; 22 – Front-sight base; 23 – Front-sight; 24 – Front-sight base nut.

Figure 2 – Arrangement of the MP-512 Mechanisms

4) remove the mainspring and the piston 6;
 5) turn the barrel through some angle and remove the barrel pin 3;

6) detach the barrel 1 together with the cocking lever 15 and the hinge 17 from the receiver.

8.3 Reassemble the rifle in the reverse order.

8.4 In reassembling take care not to damage the collar in the receiver slot 16.

8.5 Lubricate the collars with a gun grease and clean the barrel bore every 1500-2000 shots to ensure stable pellet velocity.

8.6 If the pellet penetrating capacity becomes low as a result of pellet velocity lowering, replace the collar 16 or the mainspring 7 (see Figure 2).

8.7 If in firing a leakage is located between the breech and the receiver, turn the barrel gasket 4 over.

8.8 Keep the rifle with piston disengaged to avoid slaking of the spring.

8.9 Apply a thin coat of gun grease on metal rifle parts, if the rifle is placed for a long-term storage.

8.10 Tighten stock screws when required.

9 ACCEPTANCE CERTIFICATE

The MP-512 Standard Air Rifle No. _____ complies with the criminalistical requirements of Internal Affairs Ministry of Russia and found fit for service.

The MP-512 Standard Air Rifle has been certified for conformity to the safety requirements by the Safety Certificate POCC.RU.MЖ03. B00616 which is valid from November 19, 2003 to June 18, 2005.

The Certificate has been granted by Service/ Civilian Weapons and Ammunition Certification Agency of Udmurt Standardization and Metrology Centre, reg. No. POCC RU.0001.11MЖ03.

Date of manufacture _____

**Signature of a person in charge
of acceptance**

Винтовка пневматическая стандартная
модели MP-512.
Руководство по эксплуатации
на англ. яз.
И.Зак.2624.

10 PRESERVATION AND STORAGE CONDITIONS

The model MP-512 Standard Air Rifle has been given a preservative treatment.

Date of manufacture _____

Preservation period before
preservation is 24 months

Preserved by _____

The rifle should be stored in closed rooms or in other accommodations provided with natural ventilation, located in any microclimatic regions with temperate or cold climate.