MP-532 SPORTING AIR RIFLE

Instruction Manual

Fig.1 – MP-532 Rifle

1 INTRODUCTION

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

1.2 Since the rifle design is continuousely refined to improve its reliability and performance, it is subject to change without special notice in this Manual.

2 PURPOSE

2.1 The MP-532 Sporting Air Rifle is intended for fixed target shooting at a distance of 10 m.

2.2 The rifle should be fired under conditions of shooting rooms and ranges using the Russian «ДЦ-М» pellets or 4.5 mm pellets of foreign issue.

2.3 The rifle design allows dry shooting having no effect upon rifle performance.

3 SPECIFICATIONS

Caliber, mm	4.5
Overall dimensions, mm	1200x80x260
Barrel length, mm	400
Sight radius, mm	800 to 815
Weight, kg, approx.	5.0
Trigger pull weight, N, adjustable, N	3.9 to 9.8
Trigger let-off travel length, mm, adjustable, min.	0.2
Limit of vertical butt plate adjustment, mm	± 30

4 SET OF DELIVERED ITEMS

Table 1

Description	Qty
Rifle	1
Instruction Manual	1
Piston cup	1
Cleaning rod	1
Packing box	1
Screwdriver	1
Front sight	1
O-ring	2

5 DESIGN AND PRINCIPLE OF OPERATION

5.1 The rifle mechanisms are illustrated in Fig. 2.

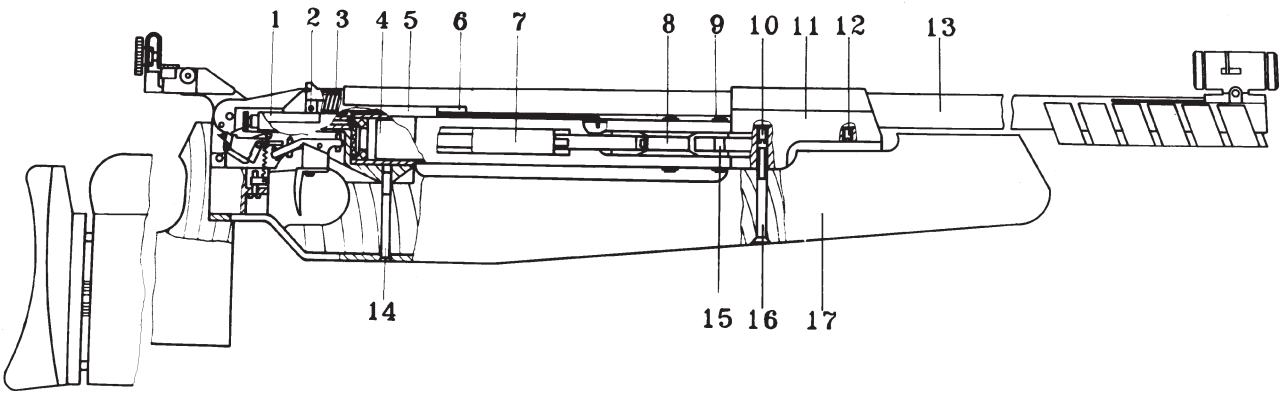
5.2 The rifle operates on energy of air precompressed inside the compression cylinder. The full operating cycle involves: cocking of the valve and trigger mechanisms, compression of air inside the compression cylinder, insertion of a pellet into the barrel and firing.

5.3 The rear sight allows accurate adjustments of fire: the screw A adjusts for elevation, the nut B adjusts for windage (Fig. 3).

5.4 The trigger mechanism is adjustable for the trigger position, trigger pull weight, trigger travel length (take-up and let-off) and overtravel (Fig. 4).

5.5 Safety devices are designed to ensure safe handling the rifle.

5.6 The stock is made of wood or plywood boards.



1 — breech block bar; 2 — screw; 3 — spring; 4 — piston; 5 — slide; 6 — slide bar; 7 — pumping lever; 8 — hinge; 9 — washer; 10 — screw; 11 — sleeve; 12 — screw; 13 — barrel casing; 14 — screw; 15 — pin; 16 — screw; 17 — stock.

Fig. 2 — Rifle Mechanisms

6 SAFETY PRECAUTIONS

6.1 Any sporting arm, though it has various safety devices, may become dangerous for people, if to handle it carelessly. Take all safety precautions and remember that ignorance of the safety rules may cause serious injury.

6.2 Follow the directions of «Operational Procedure» and «Maintenance» closely.

6.3 When firing:

1) do not point the muzzle of an air rifle at people;

2) do not leave or store your air rifle loaded or with air pumped in the cylinder;

3) do not disassemble your rifle loaded or with air pumped in the cylinder.

6.4 After firing, make sure a pistol is unloaded.

7 OPERATIONAL PROCEDURE

7.1 Remove preservative lubricants out of the barrel bore and outer surfaces of your air rifle.

7.2 Check the trigger mechanism for functioning. Adjust it, if necessary.

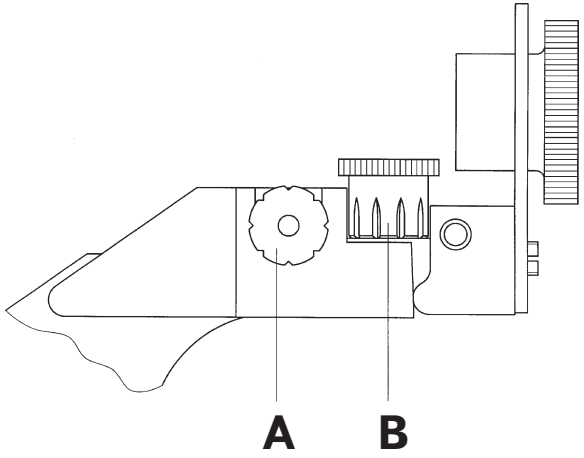


Fig. 3 — Rear Sight

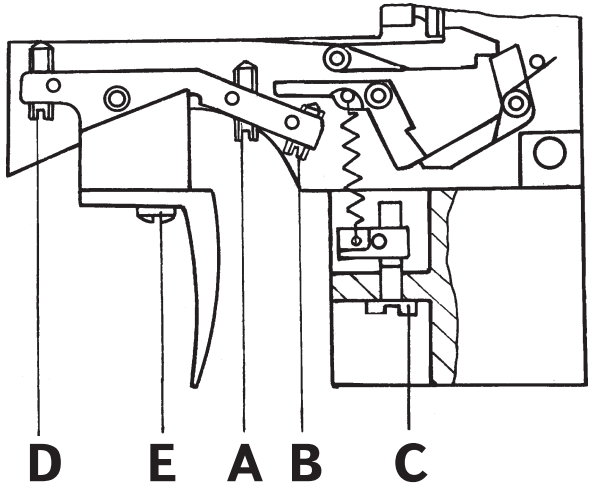


Fig. 4 — Adjustments of Trigger Mechanism

7.3 Prepare your air rifle for fire as follows:

- swing the pumping lever to its fully forward position allowing the breech block to turn up through 90 degrees to open the barrel breech;
- return the pumping lever to its initial position;
- insert a pellet into the barrel bore;
- turn the breech block until it locks in its initial position.

7.4 The rifle is ready for fire now.

7.5 Interaction between rifle parts and mechanisms.

7.5.1 While swinging the pumping lever fully forward, the following is occurring:

1) the piston with cup takes its forward position;
2) air is forced into the compression cylinder;
3) the valve mechanism and trigger mechanism are cocked;
4) the barrel breech opens.

7.5.2 When the pumping lever goes back to its initial position, the compressed air inside the compression cylinder makes the piston with cup return.

7.5.3 The barrel is closed by returning the breech block to its initial position.

7.6 The air rifle is fired by pulling the trigger.

7.7 Dry shooting can be conducted in the same order but without a pellet loaded in the barrel.

8 MAINTENANCE

8.1 Proper handling and maintenance extend the service life of your air rifle and ensure its trouble-free operation. Do not disassemble the rifle fully if not required.

8.2 Strip the rifle as follows (Fig. 2):

- unscrew the screws 14 and 16 and detach the stock 17;
- unscrew the screws 10, 12 and remove the barrel casing 13;
- move the slide 5 fully forward and remove the slide bar 6;
- remove the washers 9, drive out the pins 15 and detach the pumping lever 7 and the sleeve 11;
- remove the hinge 8 with the piston 4 connected to it from the cylinder;
- unscrew the screw 2, detach the breech block bar 1 and remove the slide with the spring 3 from the barrel.

8.3 Reassemble in the reverse order.

NOTE — When reassembling the piston and cylinder in one unit, you should slightly press the front face of the piston cup through the side openings in the cylinder.

8.4 Adjustment of the trigger mechanism (Fig. 4):

8.4.1 Adjust the trigger overtravel length with the screw A;

8.4.2 Adjust the trigger let-off length with the screw B;

8.4.3 Adjust the trigger pull weight with the screw C;

8.4.4 Adjust the trigger take-up length with the screw D.

8.5 Adjustment of the trigger position (Fig. 4):

For adjustment of the trigger position, loose the trigger screw E, pull the trigger to the required position along the trigger plate guides and tighten the screw E.

8.6 If excessive force is applied on the pumping lever, lubricate the cup as indicated below:

- swing the pumping lever to the position where the cup becomes accessible through the slot cut in the cylinder;
- lubricate the cup through the cylinder slot;
- swing the pumping lever to its initial position, pull the trigger (i.e. produce a dry shot). Repeat this operation until the lubricant spreads around the cylinder inner surface.

NOTE – When the rifle is loaded, swing the pumping lever forward, if it is absolutely necessary.

8.7 Clean and lubricate the barrel immediately after shooting. The remaining parts should be lubricated when necessary.

8.8 Wipe the rifle parts with a clean cloth and use any gun lubricant to lubricate the pistol.

9 ACCEPTANCE CERTIFICATE

The MP-532 Sporting Air Rifle No_____ meets the technical requirements and proved to be serviceable.

The MP-532 Sporting Air Rifle has been certified as to be in conformity with the safety requirements and carries the Safety Certificate РОСС RU.МЖ03. В00678 which validity is from May 25, 2004 to May 24, 2007.

Винтовка пневматическая
спортивная МР-532.
Инструкция по эксплуатации
на англ. яз.
И. Зак. 1153.

The Certificate has been granted by the Service/Civilian Weapons and Ammunition Certification Agency of the Udmurt Standardization and Metrology Centre, reg. No. РОСС RU.0001.11МЖ03.

Date of manufacture _____

Accepted by _____
signature

10 PRESERVATION AND STORAGE

The MP-532 Sporting Air Rifle has been given a preservative treatment.

Date of preservation _____

Duration of preservation before represervation is 24 months.

Preserved by _____
signature

Store this Sporting Air Rifle in locked-in rooms or other air ventilated places under various microclimatic conditions.