

INSTRUCTION FOR SCOPE SVD STYLE

REF. 16824

Application

The sight is an optical device that aids in aiming for airsoft sniper rifles

Structure and Usage

The sight consists of the objective, the body assembly (including the range drum, deflection drum, bulb, cell container and switch), the ocular and the mount (Fig.1).

The optical system of the sight is composed of the objective, reticule, image converter and ocular (Fig.2). When observing through the ocular, one can see both the erect target image and the reticule simultaneously.

4.1 Reticule

The reticule (Fig.3) has a deflection measuring scale graduated from $0 \sim \pm 10$ mils at 1 mil small intervals and 5 mils large intervals. In the vertical direction of the reticule there are four aiming marks "Λ", the uppermost of which shall be adopted when the range is within 1000m, When the range is 1100m, 1200m and 1300m, the rest three (from the upper to the lower) shall be used respectively while the range index shall be set at the position of "10" in advance. In any case, the peak point of "Λ" shall be aligned with the target during aiming.

The curved line at the lower left portion of the reticule is used for roughly ranging when the target is 1.7m in height. The numbers on the upper side of the curved line indicate range values in unit of hundred meters. Each end point of the segments of the curved line from right to left corresponds respectively to range values (in unit of meter) of 200, 225, 275, 325, 375, 425, 475, 525, 575, 625, 675, 725, 775, 825, 875, 925, 975 and 1000. Range can be measured as follows: Coincide the bottom end of the target with the target base line and locate the contact point where the top end of the target touches the curved line, thus the range of the target is approximately estimated (see Fig.3).

4.2 When using sight, dismantle dust-proof cap 8 and cover the ocular barrel 2 with eyepatch 1.

4.3 The range drum 4 (Fig.1) is a device for range setting. Its scale ring is graduated and numbered from "0" to "10" corresponding to the firing range from 0~1000m. The graduation "1" and "2" totally use a position where the range index can be mechanically set, and in between each two graduations starting from the graduation "3" there is a position where the range index can be mechanically set and these in-between positions indicate in turn the firing range of 350m, 450m...950m correspondingly.

The deflection drum 5 is a device for deflection correction. It has a deflection scale covering ± 10 mils by 1 mil division, and the position in between each two divisions where the deflection index can be mechanically set indication 0.5 mil.

4.4 The dovetail seat 10 (Fig.1) is a device by means of which the sight is mounted onto the rifle. The sight can be released free by shifting the handle 11 to position (II) and be fixed up by shifting the handle to position (I). If the handle is not able to be shifted to position (I) or when the handle

has been set to that position (1) yet the sight still fails to be fixed onto the rifle's dovetail, in which case, move the set block 13 upward and adjust the toothed nut 14 right or left properly.

After zeroing-in of the sight mounted on a rifle, if the range drum index or deflection drum index fails to be set at "0", release the two screws 3 on the top of the corresponding drum by using a screwdriver and adjust the scale ring to zero setting. Then screw up 3.

4.5 Open the cell container covers 9, fit in the SR44 silver oxide cell, and operates the switch 12 as specified, so the electric power source is connected through for night illumination.

Cover the objective with the dust-proof cap 7 when the sight is not in use. Draw out the sun shade 6 when the sunshine is rather strong during the day and pull it back when not needed.

Care and maintenance

Care and maintenance shall be exercised to keep the sight constantly under a good technical condition.

5.1 Keep the sight always clean either in use or during storage. Remove the dust on the surface of the glass with a clean brush first and then wipe gently by using a piece of clean cloth. Neither dirty cloth nor paper shall be used for wiping. Never clean it by hand. If the sight shows peeling of decorative plating, apply a layer of rust-preventing oil on the metal surface but not on the glass and rubber surfaces.

5.2 This sight should be packed in its box during storage. The store house should be well-ventilated and the temperature should be within $+5^{\circ}\text{C}$ — $+30^{\circ}\text{C}$ and the relative humidity not more than 70%, no corrosive articles will be stored in the same store.

During storage, the sight should be kept away at least 1.5m from stoves or other heating facilities. It should never be placed on any heating device.

The sight should be placed on a shelf, keep it more than 0.5m away from a wall, and never hang it directly on a wall or place it on the ground without any wooden pad in order to protect it from moisture.

5.3 When the sight is taken into a warm room from the cold outside or vice versa, hold the sight box for a certain period of time (about 1 hr in the former case and about 15 minutes in the latter case) before opening the box cover because any severe temperature change will cause the damage of the sight.

5.4 The sight shall be always handled gently. Never apply too much force or even impact it. Cover the dustproof cap and keep the sight in its box when not in use or when it is to be transported.

5.5 For the glass-metal connecting portion, thread connecting portion and screw head etc, a layer of sealing gum should be applied, pay attention not to wipe the sealing gum off during the course of cleaning or maintenance in order that tightness of sight is not disturbed.

5.6 If the sight is found with any trouble, it shall be subject to timely check and trouble shooting or sent to the manufacturer for repair. Random dismantling, which may cause damages to the unit, shall be by no means permitted.

5.7 In case of releasing, pay attention to screw up the bulb while using it.

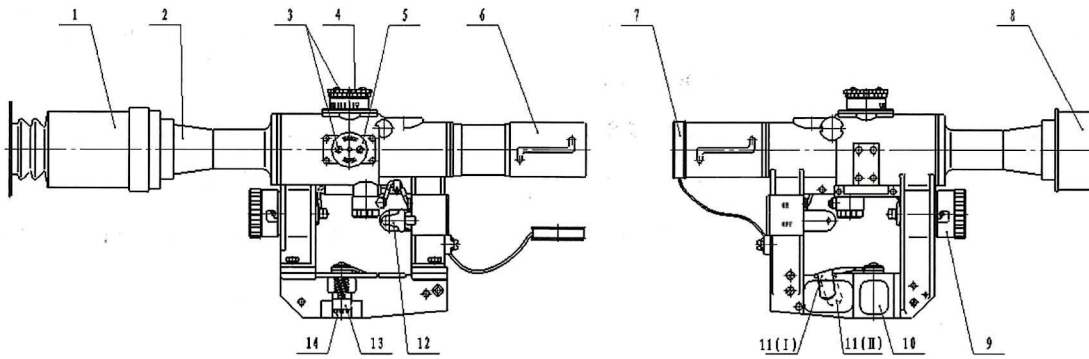


Fig.1

- 1, Eyepatch 2, Eye lens barrel 3, Screw 4, Range drum 5, Deflection drum
 6, Lens hood 7, Dust-proof cap of objective lens 8, Dust-proof cap of eye lens 9, Cell container cover
 10, Dovetail seat 11, Handle 12, Switch 13, Set block 14, Toothed nut

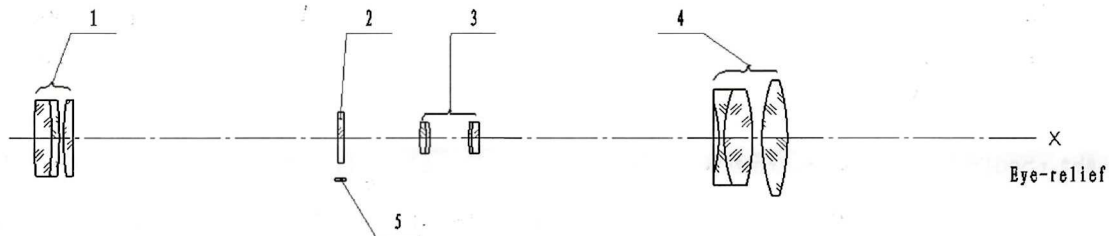


Fig.2 Optical System

1. Objective lens assembly 2. Reticule 3. Image converter
 4. Eye lens assembly 5. Illuminating window

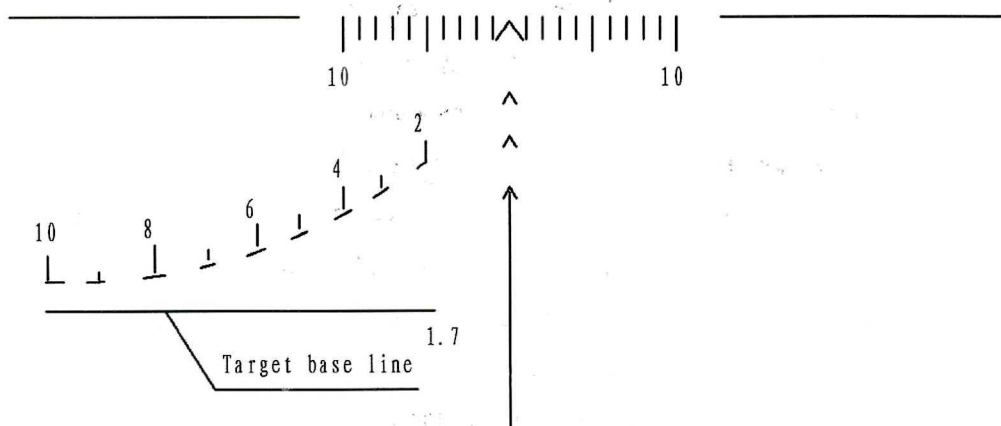


Fig. 3