

epc SUBMINIATURE ELECTRONIC DOT SIGHT

DESCRIPTION:

The epc sight is a new generation of illuminated dot sights. The sight uses sophisticated electronics and two small batteries mounted in the switch compartment to provide an automatically controlled illuminated dot which is viewed through the prism optics. The sight is switched on by pushing the side switch housing to the forward position. The sight can be viewed using both eyes focused on the target.

FITTING THE BATTERIES
Type NR48 – 2 Required

The switch cover is moved to the mid-position between the snap action stops by squeezing the cover with the forefinger and thumb from front to back of the switch cover.

When the cover is removed, the switch end cap can be seen. This end cap can be pulled out of the battery compartment. The switch cover can be used to grasp the end cap by placing the open end of the cover over the lip of the end cap.

The cover will hold the end cap whilst the batteries are being fitted. To replace the end cap and switch cover the reverse procedure is followed. Note the cover has to be positioned so as to grip the lip of the end cap before being pushed on, or the switch will become locked as described below.

COMBAT SWITCH POSITION

This switch position can be adopted where there is a possibility of accidentally knocking the switch off during combat or competition. The switch cover is removed, and the end plug is pushed forward to the on position, and the cover is replaced in the rear or normally off position. This locks the cover, and the switch in the on position. The cover has to be removed by using a knife blade or similar into the rear gap between the cover and the sight, before the sight can be switched off.

FIXING TO A WEAPON

UNLOAD WEAPON AND USE SAFE HANDLING PROCEDURES.

To fix the epc sight onto a weapon a mount strip is first bonded onto the weapon. The mount strip is a thin reinforced shock absorber which fits the profile of the weapon, and gives a flat mounting surface for the sight. The mount strip is aligned with the iron sights using the marked dotted line and the arrow pointing forwards. It is preferable to have the mount strip forward of the rear sight so that enough space is left such that the rear of the sight optic can be wiped with a finger. Once the mount strip has been positioned and left for the adhesive to cure for five minutes, the sight can then be zeroed/bonded onto the strip.

USE OF ADHESIVE – THIS IS A NEW SYSTEM – READ CAREFULLY

Although the adhesive is a two-part system, the parts are not premixed. Take the initiator vial and spread a VERY THIN film onto one of the areas to be bonded using the spreader supplied. Use the adhesive vial and spread adhesive onto the other area to be bonded. Press the two parts together and check alignment, move the parts as little as possible once they are in contact. Leave the parts to cure for about 5 minutes. Full strength is achieved in one hour and ultimate strength in 24 hours. Excess adhesive can be cleaned off using the metal separator strip.

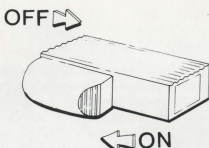
When bonding the sight onto the mount strip it is advisable to mask the switch cover using scotch tape or similar to prevent bonding the switch cover with excess adhesive.

CHECKING ADHESION

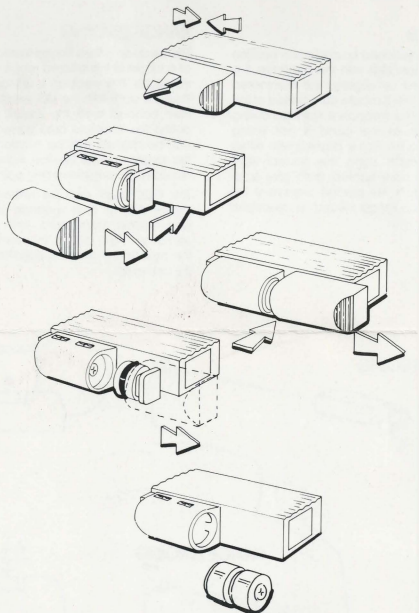
After the adhesive has cured for one hour test the bond strength by trying to twist the sight off by hand. This should not be possible. If the bond is unsatisfactory, this may be due to using too much initiator – this must just wet one surface, or the surface of the weapon has been contaminated with silicon which acts as a release agent. To remove the silicon the surface must be scrubbed with an abrasive cream like metal polish.

REMOVAL OF SIGHT

The sight can be removed using the metal separator strip supplied. The sharp end of the strip is inserted between the sight and the mount strip and then lightly tapped in between using a small hammer. The mount strip can be removed from the weapon in a similar way. Adhesive residue can be removed using the separator strip and a solvent such as acetone, or the E.P.C. solvent sold separately.



To switch the sight on and off push the side switch forward or backward with the thumb.



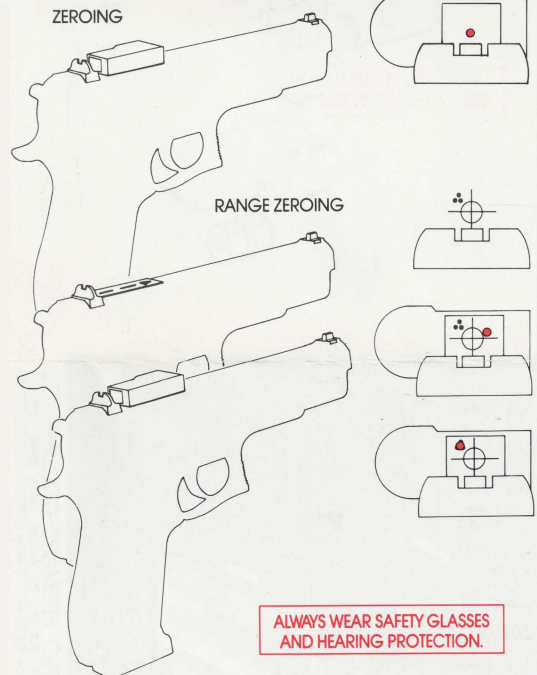
ZEROING

The sight is switched on and put in position on the mount strip with the adhesive. It is then zeroed by aligning the illuminated dot during the 2 minute cure period of the adhesive. The weapon is not fired during this period as the bond is not strong enough, so the dot is aligned with either the iron sights using the normal sight picture, or bore sighted, both give satisfactory results. For precise alignment the sight can be range zeroed as described below.

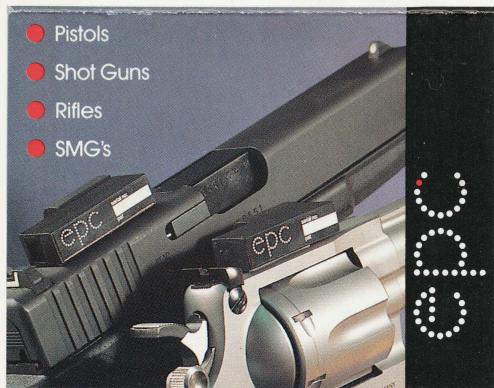
RANGE ZEROING

The weapon is fired from a rested position at a target at the desired range using the iron sights. The weapon is unloaded and then the sight with the dot switched on, is then bonded onto the mount strip and during the 2 minute cure period the dot can be aligned with the impact point on the target – while the iron sights are still aimed at the original aiming point.

The epc sight can be twisted on the mount strip to give windage alignment and tipped back and forth to give elevation. Slow, gentle movements give the best results and fine adjustments can be achieved.



ALWAYS WEAR SAFETY GLASSES AND HEARING PROTECTION.



- Pistols
- Shot Guns
- Rifles
- SMG's

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