

## Parts List

- 1) Flip Mirror holder with first-surface mirror and set screws installed
- 2) Allen wrench

## Introduction

Congratulations on your purchase of the Starbeam Flip Mirror. You can now have the convenience of using your Starbeam Finder either in-line or at 90°. Please note that this is a first-surface mirror: do not touch it; you will leave fingerprints. The mirror can be easily cleaned (see below instructions).



## Installation

Please note that earlier Starbeams had only a single set screw securing the illuminator. This will not present a problem securing or using the Flip Mirror. If you have one of these older Starbeams, remove the extra set screw from the Flip Mirror.

- 1a) Remove Illuminator - With the Starbeam sitting flat on a table, use the Allen wrench to remove the set screw(s) securing the illuminator.
- 1b) With the screw(s) removed, pull the illuminator out of the black housing. Be careful not to lose the small (approx. 3/8" x 3/8") piece of plastic film that could fall out of the holder. This is the diffuser material for the light; if it is not used, the red "star" will be excessively bright and unevenly illuminated.
- 2a) Attach Flip Mirror - With the mirror side toward Starbeam's lens assembly, slide the Flip Mirror over the illuminator housing until the set screw(s) align with the screw hole(s). This may be easier to sight by looking into the illuminator cavity at the end of the Starbeam.
- 2b) Tighten the set screws a couple of turns to attach the Flip Mirror to the Starbeam. However, make sure that the set screws do not enter the illuminator housing cavity, or it will prevent you from reinserting the illuminator.
- 3a) Reinstall the illuminator - Reinsert the illuminator, along with the diffuser material, into the illuminator housing.
- 3b) Tighten the set screw(s) with the Allen wrench. Make sure you do not overtighten the screws; it is only necessary to snug them down enough to securely hold the illuminator in place.
- 4) Peel off the mirror's protective blue cover

## Use

- 1) For in-line viewing and Flip Mirror storage, push the flip the mirror forward until it touches the Starbeam's main bar. This will also minimize dewing, when not in use.
- 2) When your scope is pointed at a high elevation, flip the mirror up until you see Starbeam's lens aperture.

## Cleaning

- 1) Before cleaning, all dust should be blown off the mirror with a bulb type puffer. We do not recommend the use of canned compressed air because the propellant can squirt out and damage the mirror.
- 2) Use Isopropyl alcohol and a soft, lint-free cloth to gently clean the mirror surface.

