

Mirror Tube Cleaning

Turn the light on and pull the scope about one-half inch out of the Mirror Tube. Dust, dirt and grease will be highlighted.



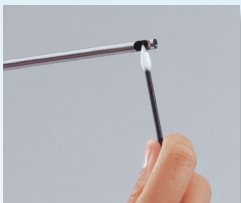
Use canned air to blow dust and grit off the mirror surface, then recheck the mirror.



If it is still soiled, lightly dampen a cotton swab with Hawkeye lens cleaner, isopropyl alcohol, or acetone. Gently clean the mirror with the fewest strokes necessary, taking special care of the mirror surface.



Lightly wipe with a dry swab to eliminate smearing.



Optional Light Sources



Luxxor® 35 LED Light

Never replace lamps again! The new Luxxor 35 LED delivers all the super-bright intensity and whiteness of the Luxxor 24, but uses long-life LED technology estimated at 20,000 hrs. of life! (Compared to 500 hrs for metal halide arc lamps). These new lights also have both coarse and fine intensity adjustment, allowing finely controlled dimming with perfect color rendition.



Hawkeye SuperNOVA™ LED Light

The new Hawkeye SuperNOVA™ LED delivers both improved intensity control and long-life LED technology. This light is the perfect choice when portability AND brightness are key. You will find dramatically improved image quality when compared to the standard Mini Maglite® Flashlight. (This Light replaces the previous Hawkeye SuperNOVA).

The Luxxor 35 LED connects quickly and easily to any Hawkeye Rigid or Flexible Borescope using the Luxxor Light Guide (sold separately).



Gradient Lens Corporation®

207 Tremont Street, Rochester, New York 14608

800.536.0790

585.235.2620

Fax: 585.235.6645

REV. 815



PRECISION BORESCOPIES

User Guide

HAWKEYE CLASSIC RIGID Precision Borescope



MINI MAGLITE® is a trademark of Mag Instrument, Inc., as is the shape, style, and overall appearance of the Mini Maglite® flashlight. Mag Instrument, Inc. is not affiliated with Gradient Lens Corporation. The contents of this product were combined and marketed by Gradient Lens Corporation. Mag Instrument does not sponsor, warrant, or endorse the combination.



Hawkeye® Classic Borescopes

Hawkeye Precision Borescopes are fine optical instruments used to see inside of things. Proudly made in the USA, Hawkeyes deliver a straight-ahead (0°) view or a 90° view with a Mirror Tube. Glass optical fibers carry light from the source to the tip of the scope. The image of the subject is relayed to the eyepiece by our patented endoGRINs® optical relay lenses, delivering bright, sharp, clear images.



WARNING: NOT FOR MEDICAL USE



Mini Maglite® Flashlight

A Mini Maglite® flashlight is supplied with every Hawkeye borescope. Higher intensity light sources like the Super-NOVA™ Light and the Luxxor 24 Light (shown on the reverse) are also available.



Hawkeye Classic Kit



Setup

Thread the Mini Maglite® flashlight onto the light post.



Switch the Mini Maglite® flashlight on and off by turning the handle of the flashlight.



Place the tip of the scope about an inch from a light surface, and then turn the Mini Maglite® flashlight handle to give the brightest, most even circle of light.



Mini Maglite® Flashlight Bulb Replacement

To replace the bulb, unscrew the cap on the end of the handle, pull out the spring, remove the bulb and wipe it. Then remove the batteries, unscrew the handle, and pull the old bulb from its socket. Insert the new bulb, straightening the pins if necessary.

Focusing

Most Hawkeye Precision Borescopes have an adjustable focus. Turn the black eyecup to give the sharpest image. (*Note: Fixed focus borescopes are provided with directions and a tool to set the focus.*)



Using the Mirror Tube

Hold the borescope in one hand and the Hawkeye Mirror Tube in the other. Slide the borescope gently into the Mirror Tube until fully seated. Use the knurled knob to rotate the view 360°. The groove in the knurled knob indicates the direction-of-view.



Borescope Cleaning

Use canned air to remove dust and grit from the windows.



Lightly dampen a cotton swab with Hawkeye lens cleaner, isopropyl alcohol, or acetone.



Clean the window with the fewest necessary strokes.

Wipe with a dry swab to avoid smearing.

