## NDT Supply.com, Inc.

7952 Nieman Road Lenexa, KS 66214-1560 USA



### **Using the Mirror Tube**

Holding the borescope in one hand and the Hawkeye mirror tube in the other, slide the borescope gently into the mirror tube until fully seated. While looking through the scope, use the



knurled knob to rotate the direction-of-view 360°. The groove in the knurled knob indicates the direction-of-view.

### **Borescope Cleaning**

Use canned air to blow dust and grit off the objective lens and eyecup window surfaces.

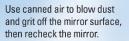
Lightly dampen a cotton swab with Hawkeye lens cleaner, isopropyl alcohol or acetone. Hawkeye lens cleaner works well on fingerprints and dust... use acetone on oil or grease. Gently clean the lens window with the fewest strokes necessary. Lightly wipe with a dry swab to eliminate smearing.





### **Mirror Tube Cleaning**

Turn the light on and pull the scope out of the mirror tube about one inch. Dust, dirt and grease on the mirror surface will be highlighted.



Phone: **800.536.0790** 

REV. 0116



fax 585.235.6645

If the mirror is still soiled, lightly dampen a cotton swab with Hawkeye lens cleaner, isopropyl alcohol, or acetone. Hawkeye lens cleaner works well on fingerprints and dust...use

acetone or isopropyl alcohol on oil or grease. Gently clean the mirror with the fewest strokes necessary, taking special care not to drag debris across the mirror surface. Lightly wipe with a dry swab to eliminate smearing.

### **Connection to Video**

Any Hawkeye borescope can be connected to an optional video camera, allowing you to view images on laptop and desktop computers, and video monitors. Still photos, and video footage, can also be documented, stored, and



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Focusing

Light Post

**Push-Button Switch** 

SuperNOVA™ LED

Eyecup

### Hawkeye® Pro **Precision Borescopes**

Hawkeye Pro Precision Borescopes are among the finest optical instruments in the world. Proudly made in the USA, Hawkeyes are constructed using the highest quality materials, including our

Tube

Mirror Tube

patented endoGRINs e2 relay lenses. The end result is the sharp, bright, clear images Hawkeye Pro's deliver!

Hawkeye®

SuperNOVA™ LED Light

The new Hawkeve SuperNOVA

LED delivers more light, longer

control. It is 90% brighter, and

runs twice as long as the old

Hawkeye SuperNOVA,

all in a 25% smaller

convenient and

versatile.

package. Intensity

control is now more

run time, LED longevity, and

more convenient intensity



SuperNOVA™ LED Charging

Plug the charger into a power outlet and slide the Super-NOVA™ LED into the charger until the contacts engage.



**Charging Cradle Contacts** 





The charger indicator light will glow continuously while charging, and blink when the unit is fully charged. A full charge on a completely discharged light takes about 3 hours. A fully charged unit will run continuously for approximately 2 hours.



### Setup

Thread the SuperNOVA™ LED onto the borescope's light post, until it contacts the body of the borescope. DO NOT OVER-TIGHTEN!



### Operation

Turn the SuperNOVA™ LED on by pressing the push-button switch in the tailcap.

- · Lightly press the push-button for momentary operation.
- · Fully press the button until it clicks to turn the light on at full intensity.



high intensity setting, a non-handheld Super-NOVA™ LED may feel startlingly warm to the touch. This is normal for an LED light of similar size and performance, and NOT a defect. It is not a burn hazard. When using the light for extended periods, use the lowest intensity setting that will give a sufficient amount of light for the task.

**CAUTION:** When operated for a long time at the

Fully press and hold the button to cycle through high,

medium and low intensity levels. Release the button at

· Quickly double-click the button to activate strobe mode.

Click the button once from any operating mode to turn



Operation (cont'd)

the desired level.

the light off.

Without bending the borescope tube, carefully insert it into the object to be inspected. Do not strike the tip of the borescope against anything as this may damage the objective lens.



#### Focusing:

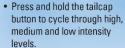
Turn the borescope's focusing ring to create the sharpest image.

When finished viewing, slowly withdraw the borescope, being careful again to not bend the tube. Remember to turn the light source off.



### **Light Intensity:**

Light intensity can be varied in two ways:





**Brighter** 

. Turn the knurled ring to adjust the internal, mechanical shutter.



CAUTION: The knurled ring turns through a total of about 20° rotation. Don't try to force it further.

GRADIENT LENS CORPORATION

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Hawkeye Pro Kit

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