

**LASER SIGHT**  
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**OWNERS HANDBOOK**

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FEEL FREE TO CONTACT US AT [1.800.442.2406](tel:18004422406) WITH ANY QUESTIONS YOU MAY HAVE REGARDING YOUR LASER SIGHT. WE ALSO ENCOURAGE YOU TO VISIT US ONLINE AT [WWW.CRIMSONTRACE.COM](http://WWW.CRIMSONTRACE.COM). HERE YOU CAN REGISTER YOUR PRODUCT, FIND VALUABLE INFORMATION ON TRAINING AND TACTICS OR JOIN FELLOW CRIMSON TRACE USERS ON OUR ONLINE FORUM.

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## FOLLOW THE FOUR BASIC RULES OF FIREARM SAFETY.

1. Handle all firearms as if they are loaded.
2. Never let the muzzle cover anything that you are not willing to destroy.
3. Keep your finger off the trigger until your sights are on the target and you are ready to fire.
4. Be sure of your target and what is beyond it.

## PLEASE READ THE ENTIRE MANUAL.

Failure to follow these instructions and procedures may result in injury or death.

- > Always follow firearm safety rules as outlined by the firearms manufacturer.
- > Do not point the laser beam at eyes. This could result in permanent eye damage.
- > Keep this and all firearm related products locked and secured from children or other unauthorized users.

## LASER SAFETY INFORMATION

Labels could not be affixed to the product but are supplied and must be installed as indicated below:

A. Attach the “Danger” warning label to the outside of the firearm.



B. Attach the “Aperture” warning label with the arrow pointing to the laser diode lens.



**IMPORTANT: LASER PRODUCTS MUST ONLY BE OPERATED WITH THE SAFETY LABEL APPLIED TO THE FIREARM.**



## OPERATING INSTRUCTIONS

Crimson Trace laser sights are activated by one or two strategically located pressure pad(s). With a normal shooting grip, your hand will naturally depress the activation pad whether shooting right or left-handed. A master ON/OFF switch is also provided to turn the laser off. The laser should be left in the ‘ON’ position under most circumstances. Leaving the master switch “ON” will NOT decrease battery life. Please Note: not all Crimson Trace laser sights have a master switch.

**CAUTION:** USE CAUTION WHEN ACTIVATING THE LASER TO AVOID DIRECT EYE EXPOSURE, WHICH CAN RESULT IN PERMANENT EYE DAMAGE. **FOLLOW ALL PRECAUTIONS** AS OUTLINED BY THE FIREARMS MANUFACTURER. KEEP THIS AND ALL FIREARM RELATED PRODUCTS LOCKED AND SECURED FROM CHILDREN OR OTHER UNAUTHORIZED USERS.

## WINDAGE & ELEVATION ADJUSTMENTS



Crimson Trace laser sights are pre-sighted at the factory to 50 feet. Many times no further adjustments are required. All products are fully adjustable for windage and elevation if further adjustments are desired. A good starting point is to align the laser with the fixed sights on the firearm. (Fig. 1 on page 5).



A two-screw alignment system is used to adjust for windage and elevation. The adjustment screws are located just behind the laser source, use the supplied allen wrenches to make any adjustments. Refer to the figure below and reference your particular model for sighting instructions. For additional information on your model, please refer to the installation guide included.

### DO NOT OVERTURN THE ADJUSTMENT SCREWS.



A little adjustment goes a long way. Rarely is more than a half a turn is required to make your needed adjustments.



#### LASERGRIPS PLATFORM

WINDAGE		
LEFT	COUNTER CLOCKWISE	
RIGHT	CLOCKWISE	

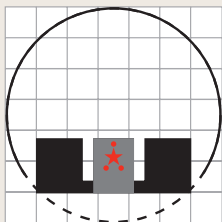
ELEVATION		
DOWN	COUNTER CLOCKWISE	
UP	CLOCKWISE	

#### LASERGUARD PLATFORM

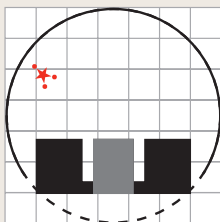
WINDAGE		
LEFT	COUNTER CLOCKWISE	
RIGHT	CLOCKWISE	

ELEVATION		
DOWN	CLOCKWISE	
UP	COUNTER CLOCKWISE	

## WINDAGE & ELEVATION ADJUSTMENTS [CONT.]



**FIG. 1: BEAM LINED UP WITH PROPER SIGHT PICTURE.**



**FIG. 2: BEAM MOVED TO LINE UP WITH IMPACT POINT.**

Start by lining your laser sight up with your fixed sights at a desired distance. Most people sight in their laser at between 20 and 50 ft. However because of the offset between the laser sight and the bore, the actual change in point-of-impact at these distances is very small.

Further adjustments can be made at the range to determine where your bullet impacts in relation to your firearms fixed sights. The laser should be moved to the actual impact point of the bullet (Fig. 2).

## TROUBLESHOOTING

Occasionally one of the adjustment screws will turn but not adjust the beam. If this happens, turn the windage and elevation screws counter clockwise until 1-2 threads of the sight screw are protruding from the housing of the diode. (DO NOT remove the sighting screws from the grip. If sight screw is removed you will need to send in your grip for repair (if necessary, refer to warranty work instructions at back of manual). Once 1 - 2 threads are visible, lightly tap on the side of the diode housing with your finger to help reset the sighting spring. To finish, turning a 1/4 turn at a time, alternate from windage and elevation to slowly sight in your laser sight to your fixed sights.

**NOTE:** The Laserguard elevation screw is recessed, therefore the left side of the Laserguard will need to be removed to make the threads of the sight screw visible. Follow instructions above, and reinstall right side of Laserguard prior to realigning your laser sight.

## MAINTENANCE

Laser sights require minimal attention and are designed to resist most common firearm chemicals and lubricants, however, excessive exposure to these chemicals can be detrimental. To ensure the safe and effective operation of your laser sights:

- > Remove Laser Sight before cleaning gun.
- > Do not use pressurized or compressed air.
- > Do not immerse in cleaning fluid or lubricate firearm excessively. A firearm that has too much oil will foul the lens of the laser and result in an unfocused beam. This can be easily cleaned and causes no permanent damage.
- > Do not allow cleaning solution to enter lens source.
- > Do not allow solvents to contact your grips that contain: VOCs or TCE such as: carb/brake cleaner, acetone, MEK, gasoline. Grip damage will result.
- > Crimson Trace diodes are designed and positioned to minimize exposure. Occasional cleaning of the lens is recommended.

AFTER EXTENSIVE SHOOTING, YOU MAY NOTICE A DEGRADATION OF BEAM QUALITY OR “BEAM SPREAD”. THIS IS THE RESULT OF FOULING ON THE LENS SURFACE. THIS IS NORMAL AND CAN BE EASILY CLEANED WITH THE INCLUDED CLEANING SWABS OR A SMALL COTTON SWAB DIPPED IN ISOPROPYL ALCOHOL OR WINDOW CLEANER. DRY THE LENS WITH A CLEAN DRY SWAB. WHEN CLEANING THE LENS DO NOT TOUCH LENS WITH ANY SHARP OBJECTS.

## BATTERY GUIDELINES & REPLACEMENT

Our batteries provide four (4) hours of illumination under normal conditions. If the laser becomes dim or fades, simply replace the batteries. Keep battery compartment free of dirt or other contaminants. Debris inside the battery compartment may affect laser operation and performance.

**Crimson Trace products use commonly available batteries:**

- > Lasergrips use two (2) CR2032 or DL2032 batteries, two (2) CR 2025 or DL2025 batteries for use in LG-438, and one (1) CR123 for use in LG-344.
- > Laserguard models use a one (1) 1/3N or two (2) each 357 Silver Oxide batteries.

**To replace batteries:**

1. Ensure that your firearm is unloaded.
2. Check again.
3. Remove laser sight and old batteries.
4. Install new batteries in accordance to installation guide for your particular laser sight.

### SPECIFICATIONS

LASER TYPE:	Class 3R Visible Laser Diode
PEAK POWER:	5mW
WAVELENGTH:	633nm > Red Diode
BEAM SIZE:	90% of Light Contained in Approx. 0.5" Circle at 50 Feet
BATTERY LIFE:	Four (4) Hours of Illumination; Five (5) Year Shelf Life

This product complies with 21 CFR 1040.10. Manufactured by Crimson Trace Corporation.

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## WARRANTY

CRIMSON TRACE® (CT) warrants that this product will be free from defects in materials and workmanship for a period of three years from the original retail purchase. CT will repair or replace with an item of equivalent value, at its option, any product or part which is found to be defective under normal use and service, without charge during the warranty period. CT's obligation to repair or replace shall be the purchaser's sole and exclusive remedy under this warranty. This warranty does not cover normal maintenance and service and does not apply to any products or parts which have been subject to modification, misuse, carelessness, accident, improper maintenance or repair other than CT.

This limited warranty is in lieu of any and all other warranties, expressed or implied, including but not limited to, merchantability and fit for particular purpose. CT shall not be reliable for indirect, incidental, consequential or special damages arising out of, or in connection with, product use and performance, even if it has been informed of the possibility of such damages. This warranty does not cover the finish of any Pro Custom products cosmetics, batteries or problems arising from faulty batteries.

For warranty service call Customer Service at 800-442-2406 or email [customer@crimsontrace.com](mailto:customer@crimsontrace.com) for a Return Authorization Number (RMA). Fill in RMA number on the form below and attach to outside of package.

Carefully package unit and affix mailing label (as shown below).

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**Crimson  Trace**

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RMA# \_\_\_\_\_  
9780 SW Freeman Drive  
Wilsonville, OR 97070  
Phone: 800-442-2406

VISIT US ONLINE AT [WWW.CRIMSONTRACE.COM](http://WWW.CRIMSONTRACE.COM) OR CONTACT US AT  
1.800.442.2406 TO REGISTER YOUR PRODUCT.

Crimson Trace holds several patents and may have other patents pending that cover its innovations.  
Please review individual products for patent numbers to determine the specific patent coverage.







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