



# **LASER SIGHT**



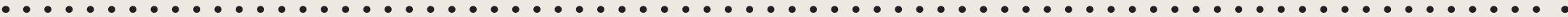
## **OWNERS HANDBOOK**

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# 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.



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**FAILURE TO FOLLOW ANY OF THE FOLLOWING WARNINGS MAY RESULT IN SEVERE INJURY OR DEATH TO YOU OR OTHERS.**

Prior to installing Crimson Trace® products, ensure that the firearm is unloaded, the magazine is removed, safety on and finger(s) off the trigger.

**DO NOT** install or use Crimson Trace product if the installation of the product in any way affects the safe function of the firearm.

**ALWAYS FOLLOW THE 4 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.

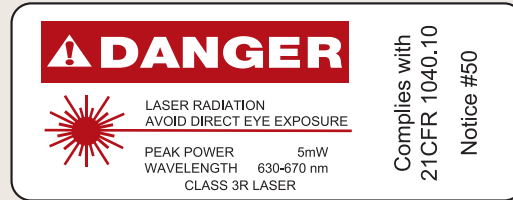
Remember, the user is **ALWAYS** responsible for the safe use of a firearm.

Crimson Trace recommends that every gun owner take a gun safety course from a certified NRA Instructor before handling or firing your firearm.

# 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 to the outside of the firearm



**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. Many products feature a master ON/OFF switch that 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.

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# WINDAGE & ELEVATION ADJUSTMENTS



Crimson Trace® laser sights are pre-sighted at the factory to 50 feet. 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). **IR PRODUCTS REQUIRE THE USE OF IR CAPABLE OPTICS.**



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 quarter turn required to make your needed adjustments.**



## LASERGRIPS PLATFORM

| WINDAGE |                      |                                                                                   |
|---------|----------------------|-----------------------------------------------------------------------------------|
| LEFT    | COUNTER<br>CLOCKWISE |  |
| RIGHT   | CLOCKWISE            |  |

| ELEVATION |                      |                                                                                    |
|-----------|----------------------|------------------------------------------------------------------------------------|
| DOWN      | COUNTER<br>CLOCKWISE |   |
| UP        | CLOCKWISE            |  |

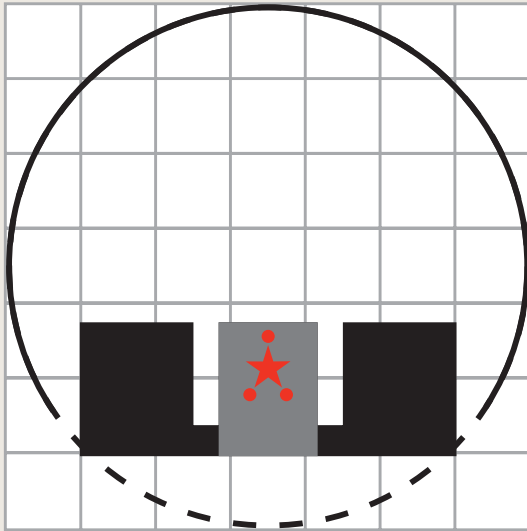
## LASERGUARD PLATFORM

| WINDAGE |                      |                                                                                     |
|---------|----------------------|-------------------------------------------------------------------------------------|
| LEFT    | COUNTER<br>CLOCKWISE |  |
| RIGHT   | CLOCKWISE            |  |

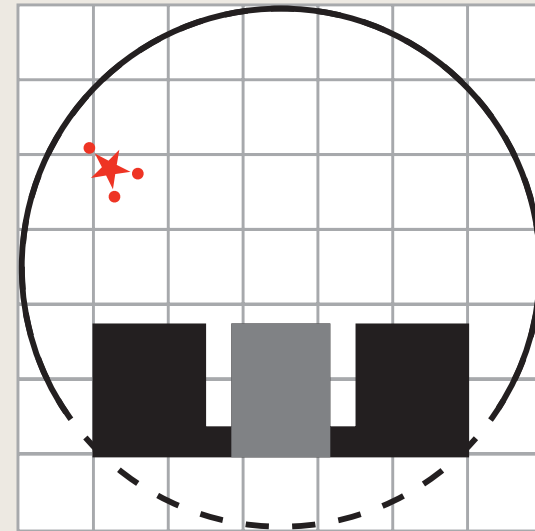
| ELEVATION |                      |                                                                                      |
|-----------|----------------------|--------------------------------------------------------------------------------------|
| DOWN      | CLOCKWISE            |   |
| UP        | COUNTER<br>CLOCKWISE |  |

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## 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 of the barrel, 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 sighting screw are protruding from the housing of the diode. (DO NOT remove the sighting screws from the grip. If sighting 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.

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# 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.

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## BATTERY GUIDELINES & REPLACEMENT

Our batteries typically provide four (4) hours for red laser, two (2) hours for green laser 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. If you are unsure what battery your product uses, please refer to your Installation Handbook.

### To replace batteries:

1. Ensure that your firearm is unloaded.
2. Check again.
3. Remove laser sight and old batteries.
4. Install new batteries as outlined in the Installation Handbook for your particular laser sight.

## SPECIFICATIONS

RED LASER: 5mW peak, 620-670nm, Class 3R laser

GREEN LASER: 5mW peak, 515-532nm, Class 3R laser

IR LASER: .7mW peak, 850nm, Class 1 laser

BEAM SIZE: 90% of Light Contained in Approx. 0.5" Circle at 50 Feet

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