

HOGUE[®]

LASER ENHANCED



REVOLVER GRIP

OWNER'S MANUAL

LASER ENHANCED GRIP

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HOGUE®



Caution

For safe and proper use, please read the entire owner's manual prior to installing and using your Hogue LE Grip.

- ▲ **CAUTION** - Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- ▲ Failure to follow these instructions and procedures may result in eye injury. Do not point the laser beam at the eyes of people or animals nor at airplanes or any reflective objects.
- ▲ Always follow firearm safety rules as outlined by the firearms manufacturer.

LASER ENHANCED GRIP

Installation Instructions

IMPORTANT: Laser products must only be operated with the safety label applied to the firearm.

The label could not be affixed to the product at assembly, but is supplied and must be installed by consumer as indicated below:

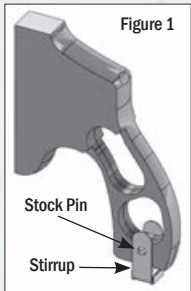
- Attach the yellow label to the firearm with the laser aperture arrows pointing downward towards the aperture.



HOGUE, INC.
P.O. Box 91360, Henderson, NV 89009
Hogue LE Grip: Revolver Model
Complies with FDA performance standards for
laser products except for deviations pursuant to
Laser Notice No. 50, dated June 24, 2007.

Installation

1. Make sure firearm is unloaded. Remove magazine and check that chamber is empty. Remove the existing grip. Turn master on/off switch to OFF position (to the rear, away from muzzle).
2. Check to see how well the stock pin is centered through the frame. For ease of installation, it is recommended that the stock pin is fairly centered on your frame.
3. Place the stirrup over the bottom strap of the handle and rotate it until the hole in each side engages the stock pin. When in place, the stirrup is a clamp that provides a screw thread hanging below the handle for securing the LE Grip to the frame. Remove the screw from the stirrup (Fig, 1).
4. The LE Grip frame plates may have been packaged with both plate screws already threaded into them. If so, please unscrew both screws and set aside.



Installation

MUST BEGIN WITH RIGHT SIDE FOR ASSEMBLY

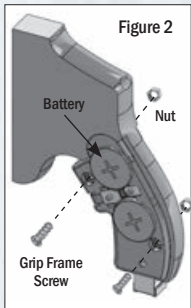
5. Place laser-side frame plate onto the firearm handle ensuring stock pin is positioned through hole in frame plate.

Hold frame in place and turn firearm over to left side. Wrap frame plates around handle and position battery side onto handle, again ensuring stock pin is positioned

through hole in frame plate. Use caution not to twist or pull on exposed flex circuit.

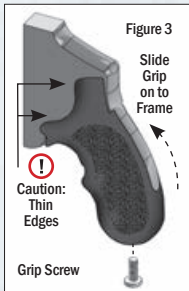
Fasten frame plates to handle by threading both screws through frame plates and tightening. Thread-locking adhesive is recommended (Fig. 2). Insert batteries (see pages 11-12.)

6. Install rubber grip by using fingers to slightly spread grip opening then place the stirrup into the LE Grip and slide up the handle. Use caution not to damage the thin leading edges of the grip (Fig. 3).



Installation

- Secure grip to the frame by inserting supplied screw into hole at bottom of grip and tightening into the stirrup (Fig. 3).
- Attach laser safety label to outside of revolver (see Laser Safety Labeling section on page 4).



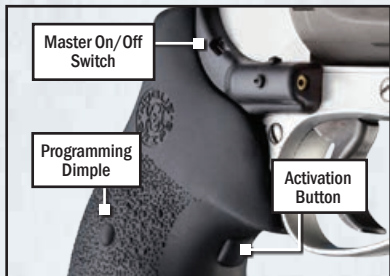
REMOVING THE LE GRIP

MUST BEGIN WITH LEFT SIDE FOR DISASSEMBLY

- Remove frame plates by working in opposite order of installation: Remove 2 frame plate screws. Remove battery side frame plate from left side. Unwrap frame plates and remove from handle. Return screws to frame plates.

Programming

Removing batteries will restore factory settings.



All programming should be completed with an unloaded firearm. For safety, **DO NOT** attempt to program during live fire.

1. Prior to programming, **unload your firearm** and slide the **master on/off switch** to the on position (forward, towards muzzle).
2. Aiming in a safe direction, momentarily press the **activation button** and verify that the laser activates.
3. With the laser aiming at a safe visible surface, enter program mode by **simultaneously pressing the programming dimple** (on the laser side of

Programming

the grip) and the **activation button**. The **dimple button** will require more force to activate.

- The laser will turn on, either flashing, stealth or steady depending on the previously programmed mode.

Note: The laser will remain on during programming mode but **will time out and expire after 10 seconds** of inactivity. Factory setting can be restored at any time by removing batteries.

4. While in program mode, press and release the **programming dimple** to cycle between flashing, stealth target, or steady modes.
 - **Flashing Mode:** The laser will blink twice per second while the **activation button** is pressed.
 - **Stealth Target Mode:** A press of the **activation button** activates a burst of three (3) quick flashes then turns off for stealth targeting. This mode will repeat with each press of the **activation button**. Hold **activation button** down to override stealth target mode and enter steady mode.
 - **Steady Mode (default):** Press and hold the **activation button** for a continuous beam.
5. **Brightness:** While in program mode, press and release the **activation button** to set one of four

Programming

- (4) levels of laser brightness (100%, 80%, 60% and 40%.) Each time the button is pressed and released, the brightness will be reduced one level. After the minimum level is reached, the next press will set back to maximum.
6. Once the desired settings are achieved, wait for approximately 10 seconds without pressing either button and the laser grip will return to normal operation with the new settings.

If the laser begins to dim, it may be necessary to clean the aperture. See page 16 for cleaning instructions. If cleaning fails to resolve the problem then a battery change is recommended.

If the below instructions are followed, the grip will not require re-sighting! To load batteries in **Red Laser** grip:

1. **Make sure firearm is unloaded.** Remove magazine and check that chamber is empty.
2. Move master on/off switch to OFF position.
3. Remove the grip screw from the bottom of the LE Grip.
4. Gently slide grip off of handle with a downward pull.
5. Replace with 2 new batteries with positive (+) side outward (See diagram on page 6). Replace your batteries with CR2032 3-Volt batteries..
6. Keep the battery compartment free of dirt or other contaminants. Debris inside the battery compartment may affect laser performance.
7. Immediately reinstall rubber LE Grip back onto frame and fasten to handle with grip screw. Use caution not to damage the thin leading edges of the grip. Turn on master on/off switch.
8. As long as the LE Grip frame plates are not removed from handle, the laser will not require re-sighting!

If the laser begins to dim, it may be necessary to clean the aperture. See page 16 for cleaning instructions. If cleaning fails to resolve the problem then a battery change is recommended.

If the below instructions are followed, the grip will not require re-sighting! To load batteries in **Green Laser** grip:

1. **Make sure firearm is unloaded.** Remove magazine and check that chamber is empty.
2. Move master on/off switch to OFF position.
3. Remove the grip screw from the bottom of the LE Grip.
4. Gently slide grip off of handle with a downward pull.
5. Replace with 4 new batteries with positive (+) side outward (See diagram on page 6). Replace your batteries with CR2016 3-Volt batteries..
6. Keep the battery compartment free of dirt or other contaminants. Debris inside the battery compartment may affect laser performance.
7. Immediately reinstall rubber LE Grip back onto frame and fasten to handle with grip screw. Use caution not to damage the thin leading edges of the grip. Turn on master on/off switch.
8. As long as the LE Grip frame plates are not removed from handle, the laser will not require re-sighting!

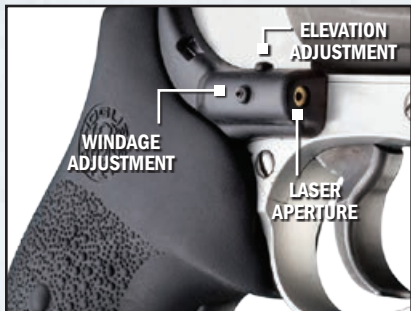
Windage & Elevation Adjustments

Hogue LE Grips are pre-sighted at the factory. All LE Grips are fully adjustable for windage and elevation if adjustments are desired.

A two-screw alignment system is used for adjustments. The screws are located just behind the laser source. Use the supplied .028" hex wrench to make adjustments. Refer to the figure below for sighting instructions.

DO NOT OVERTURN THE ADJUSTMENT SCREWS.

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



Windage & Elevation Adjustments

Visually align the laser beam with your firearm's metallic sights (Fig. 1).

If a more precise alignment is desired, adjustments can be made to align your laser sight to the actual point of impact. Most people sight at between 20-30 feet. At the range, fire several shots. Then, using the same point of aim, adjust the laser beam to the actual point of impact (Fig. 2) by using the Windage and Elevation screws (Fig. 3).

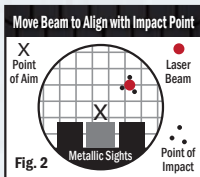
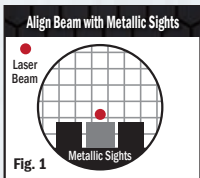
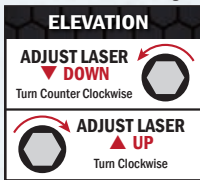
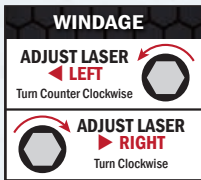


Fig. 3



Windage & Elevation Adjustments

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. 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.

DO NOT remove the sighting screws from the grip. If sight screws are removed you will need to return your grip to Hogue, Inc. for repair.

Maintenance

Hogue LE Laser Enhanced Grips require minimal attention. No scheduled maintenance is necessary to keep the product in regulation compliance. **Turn the master on/off switch to OFF position prior to any maintenance.**

- ▲ If aperture becomes blocked by foreign material, first remove debris with cloth or cotton swab. Use caution not to push debris further into aperture. Then, if necessary, blow dry pressurized air at a slight angle toward aperture to remove any remaining debris. Avoid a perfect seal with aperture and air nozzle as this may force debris further inside and cause potential damage.
- ▲ Do not excessively lubricate firearm with grip installed. A firearm that has too much oil may foul the lens of the laser and result in an unfocused beam. Do not allow cleaning solution to enter aperture. Remove laser equipped grip for extensive firearm cleaning. Do not immerse in cleaning fluid.
- ▲ The laser should never be operated if the unit is damaged or becomes defective in any way.
- ▲ **Hogue LE Grips are not serviceable by the customer and the protective laser housing should not be opened or modified in any way. The unit should be returned to the factory for service or repair by authorized factory-trained technicians.**

Warranty

HOGUE LE™ LASER ENHANCED GRIPS

**3 YEAR
WARRANTY**

Hogue, Inc. warrants that this Hogue LE™ Laser Enhanced Grip will be free from defects in materials and workmanship for a period of three years from the original date of retail purchase. Hogue, Inc. will replace or repair, without charge, any product, or part, which is found to be defective under normal use during the warranty period. This warranty does not cover normal maintenance and service and does not apply to any products or parts which have been subject to modification, improper maintenance or repair other than by Hogue, Inc. Warranty does not cover batteries or problems caused from faulty batteries.

Customer satisfaction is our number one priority. If you are not completely satisfied with your Hogue

Warranty

product for any reason please do not hesitate to contact us, we will do our absolute best to assist you. You may, with proof of purchase, return it to the place of purchase within thirty (30) days for a full refund. Product must be returned with original packaging and all its components.

Important Information About Your LE Grip

Your new Hogue LE Grip should only be used with the specific firearm for which it was designed. Before installing this product, be sure your firearm is unloaded by visually and physically inspecting it in accordance with the manufacturer's instructions and basic firearm safety rules. Read, understand and follow the installation instructions and warnings provided with this product. Check all functions of your firearm after this product is installed and before loading the firearm with live ammunition. If you do not feel competent to perform these checks your local gunsmith can do them for you. Finally, it is important to test fire the firearm after installation of this product but before use in the field to be certain it functions properly and you can handle the firearm safely. All firearms are potentially dangerous; their handling and use may cause property damage, serious personal

Warranty

injury or death. It is your responsibility to safely store, transport, handle, operate and use your firearm. Proper training is available through accredited firearm safety programs.

Laser Specs



**RED
LASER**

LASER LIGHT

AVOID DIRECT EYE EXPOSURE

This laser product is designated as Class 3R during all procedures of operation.

Laser Parameters:

Wavelength	630nm - 670nm
Laser Power for Classification	<5mW
Emission Type	CW and Pulsed
Pulse Width	0.25sec.
Pulse Repetition Frequency	2Hz
Beam Diameter	3mm at aperture
Divergence	<1mRad
Laser Module	4mm

This product complies with 21 CFR 1040.10 and EN/IEC 60825-1 2007.

Laser products are regulated; know your state and local laws.

LASER LIGHT

AVOID DIRECT EYE EXPOSURE

This laser product is designated as Class 3R during all procedures of operation.

Laser Parameters:

Wavelength	510nm - 540nm
Laser Power for Classification	<5mW
Emission Type	CW and Pulsed
Pulse Width	0.25sec.
Pulse Repetition Frequency	2Hz
Beam Diameter	3mm at aperture
Divergence	<1mRad
Laser Module	4mm

This product complies with 21 CFR 1040.10 and EN/IEC 60825-1 2007.

Laser products are regulated; know your state and local laws.

Contact

HOGUE®



MADE IN THE USA

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Hogue LE Grip

US Patents #9,243,865 and 9,453,702

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