



**NIGHT FISION**  
PRECISION TRITIUM  
**PISTOL SIGHT  
INSTALLATION GUIDE**

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# SAFETY WARNINGS

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## WARNING

Before working on your firearm, ensure the firearm is UNLOADED and no ammunition is in the immediate area . Ensure the firearm has no ammunition by first removing the magazine, locking the slide to the rear and physically and visually confirming there is no ammunition in the chamber .

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## WARNING

Forcing a gun sight that does not fit properly with gunsmith tools can and will damage the gun sights. This is considered an improper installation and is not covered by warranty.

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## WARNING

Always wear eye protection when removing and installing sights.

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## WARNING

It is important to frequently check, and test fit the gunsight. Removing too much at one time can cause the sight to be too loose.

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## WARNING

Never strike the sights at the blade or any location on or near the tritium lamps.

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## Getting Started

Please read through the entire step-by-step instructions before attempting to install your Night Fision gun sights. If for ANY reason you are uncertain about performing the following step-by-step instructions, Night Fision highly recommends consulting a qualified professional gunsmith for installation.

### **Tools needed for proper installation:**

- Gunsmithing Tool Kit
  - Gunsmith Hammer
  - Soft Metal (Aluminum) or

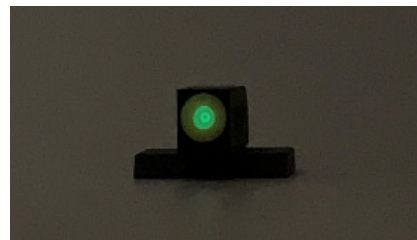
- Polymer Drift/Punch
  - Oil Stone (320 grit)
  - Front Sight Tool (3/16<sup>th</sup> Hex Driver)
  - Loctite (Blue 242)

- Angled Jewelers Files (optional)
- RealAvid Sight Pusher Tool
- Blue Painter's Tape
- Bench Vise w/optional Non-Abra-sive Padding

## Sight Inspection

Inspect all tritium lamps in low or no-light conditions for illumination and brightness before installing on your firearm.

**NOTE:** *If you have any questions regarding the tritium lamps illumination, please call our Customer Service Department immediately at (313)-293-7100.*



*Examples of correctly glowing tritium*

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## WARNING

Before working on your firearm, ensure the firearm is **UNLOADED and no ammunition is in the immediate area**. Ensure the firearm has no ammunition by first removing the magazine, locking the slide to the rear and physically and visually confirming there is no ammunition in the chamber.

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## WARNING

Always wear eye protection when removing and installing sights.

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## Firearm Preparation

Field strip the handgun according to the manufacturer's instructions

When replacing factory sights; use a marker, or an alternative non-permanent method, and mark a line on the slide where the center point of the factory sights are aligned. This will assist with alignment of the new Night Fision sights being installed.

**NOTE:** *It is recommended to mask the gun slide with masking tape to prevent damage to the slide.*



*Mark your centerline before removal of old sights.*

## Fitted Rear Sight Installation

### Slide Preparation:

Secure the slide tightly in a vise. Make sure to properly mask the gun slide with tape and/or use non-abrasive

padding in the vise to protect the slide from becoming damaged during installation.

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## WARNING

**Do not over-tighten the vice.**

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## Factory Sight Removal

1. Properly mask the handgun slide with blue tape or other non-abrasive padding to prevent the slide from becoming damaged during installation.
2. Carefully place the slide into the sight pusher, aligning the slide with the appropriate holding blocks & clamps. Ensure that the handgun is secure and stable within the sight pusher to prevent any movement during the sight installation process.
3. Adjust the Sight Pusher:

Depending on the model of sight pusher you are using; you may need to adjust the various knobs and clamps to align the pusher with the sight. Follow the instructions provided with the sight pusher to make the necessary adjustments.

4. Apply Pressure to remove the factory sights: Use the sight pusher to exert pressure in the correct direction to push the old sight out of its dovetail slot. Proceed slowly and apply even pressure to avoid damaging the slide or sight.



Figure 1

## Test fitting gun sights

Remove and set aside set screw if sight has one. Insert gun sights into the slide dovetail by hand, using firm pressure until stopped. If the front and



rear sights slides onto the dovetail up to 1/3 of the dovetail (Fig. 1), no fitting is required—move to page 12. If the sights slides onto the dovetail only 20% or less (See Fig. 2) you will need to fit your sights.



Figure 2

**WARNING**

Forcing a gun sight that does not fit properly with gunsmith tools can and will damage the gun sights.

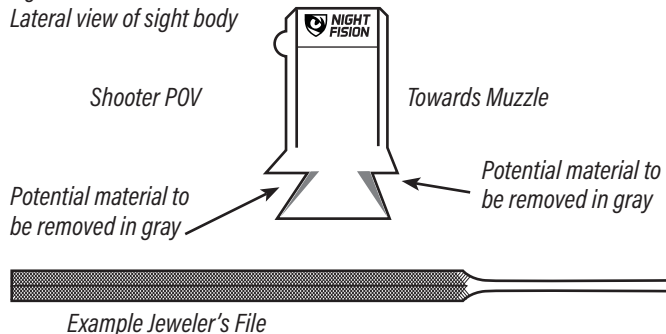


**Fitting Sights:**

Only remove material at the location where metal contacts metal. Most sight bodies benefit from material removed at the point where the dovetail is narrowest. Frequently check and test fit the sight until the

Figure 3

Lateral view of sight body



sight inserts about 1/3 of the dovetail. This may take multiple tries while removing material until the gun sight fits properly. Angled jewelers files may be needed for removing

material at the neck of the dovetail on the sight body. (See Fig. 3)

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## WARNING

It is important to frequently check and test fit the gunsight. Removing too much at one time can cause the sight to be too loose. This is considered an improper installation and is not a covered by warranty.

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After acquiring a proper test fit, clean the gunsight of all debris and insert the gunsight firmly, by hand, into the dovetail until stopped at about 1/3 of the dovetail. Install your sights using a sight pusher (page 12) or with punch (page 15).

## ***Sight Installation with RealAvid Sight Pusher***

1. Properly mask the handgun slide & new sights with blue tape or other non-abrasive padding to prevent the slide or sights becoming damaged during installation.
2. Insert the slide into the sight pusher: Carefully place the slide into the sight pusher, aligning the slide with the appropriate holding blocks & clamps. Ensure that the handgun is secure and stable within the sight pusher to prevent any

movement during the sight installation process.

3. Adjust the sight pusher: Depending on the model of sight pusher you are using; you may need to adjust the various knobs and clamps to align the pusher with the sight. Follow the instructions provided with the sight pusher to make the necessary adjustments.

**Note:** *If gun sight does NOT move, not enough material was removed and fitting process should be repeated.*

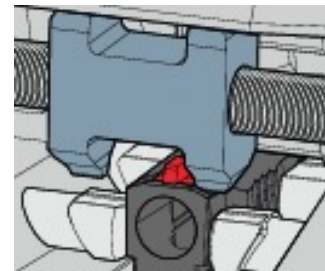


Figure 4

4. Use the sight pusher to exert pressure in the correct direction to push the Night Fision sights into dovetail slot. Proceed slowly and apply even pressure to avoid damaging the slide or sights. (Fig. 4)



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**WARNING**

When using a sight pusher, ensure the press block is only applying pressure to the sight's blade base, not high up on the sight blade.

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5. Verify Sight Alignment: Once your new sights are in place, visually inspect its alignment with the barrel and other reference points on the handgun. Ensure that the sight is centered, level, and properly aligned.

6. Once the sight body is centered, if a set screw is present, tighten the set screw hand tight (5-7 lb-ft) with the 1.5mm allen wrench provided.

**NOTE:** *It is unnecessary to apply additional Blue Loctite to the screw threads as it is pre-applied on the screw provided.*

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**WARNING**

Over tightening can strip the set screw and is not covered by warranty

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### **Sight Installation with Punch**

1. Using the polymer non-marring head of the hammer, tap the gun sight on the **dovetail** until level with the edge of the slide. (Fig. 5)

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**WARNING**

Never strike the gun sight at the blade or any location on or near the tritium lamps.

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**Note:** *Always strike the gun sight on the dovetail ONLY.*

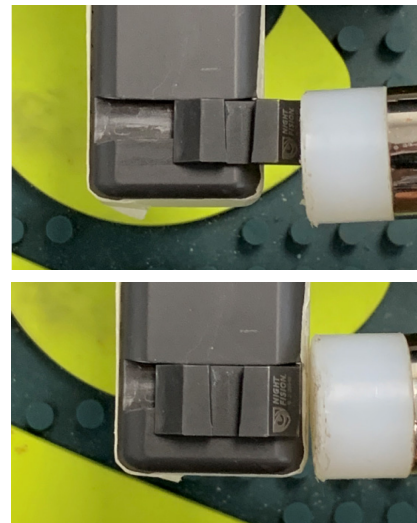


Figure 5



Figure 6

**Note:** If gun sight does NOT move with non-marring hammer strikes, not enough material was removed and fitting process should be repeated. (See pages 10)

2. After the sight body has been hammered flush with the slide (See Fig. 5), use the punch to center the sight in the dovetail. Place the aluminum punch securely on the dovetail ONLY (See Fig. 6), and using the gunsmith hammer firmly strike the punch until the gun sight has moved to center of the slide.

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**WARNING**

Striking the blade with Drift or Hammer during installation and causing any damage to the sight or tritium lamps will not be covered by warranty.

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**WARNING**

Any RMAs submitted regarding blade breakages that have been hit on the blade during installation will be denied and are not covered by warranty.

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## Glock-Style Front Sight Installation

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**WARNING**

Do not use OEM front sight screw with Night Fision Front Sights. Using a Non-Night Fision



Figure 7

screw can/will break the tritium, which will void the warranty.

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1. Thoroughly clean the surface of the slide on the top and bottom of all debris.

2. Apply Blue Loctite to the surfaces in and around the front sight hole. (Fig. 7)
3. Insert the front sight into the hole on the top of the slide. It is not necessary to apply Loctite to the threads of the sight, the sight screw comes with Loctite pre-applied.
4. Flip the slide upside-down and insert the provided Night Fision screw into the boss using the Front Sight Tool. Tighten hand tight 5-7 in-lbs. of torque, only after double checking the sight alignment is centered. (Fig. 8)



Figure 8

5. Once the front sight is in place, clean off excess Blue Loctite using a Q-tip and allow Loctite to set for 24 hours.

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**WARNING**

Over tightening can strip the set screw and is not covered by warranty

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## **Customer Service**

Please contact our Customer Service Department at 313-293-7100 or [Info@nightfision.com](mailto:Info@nightfision.com) if you have any questions or concerns.

### **Return Policy**

Review your sights for tritium illumination and other manufacturing defects before installing or making any sight modifications. Once a sight is modified we may not accept the return.

Please follow the instructions to avoid undue processing delays for your return or warranty claim item.

Please enter the information requested on the following page: [\*\*https://nightfision.com/returns\*\*](https://nightfision.com/returns)

Give a detailed description of the issue you encountered along with a photo of the problem.

Note that the email you are submitting is for a request for a Return Merchandise Authorization (RMA). Items received without a RMA may not be processed/repared and could also be returned.

DO NOT ship complete firearms. For semi-auto handguns, ship the sights only.

DO NOT include non-Night Fision or personal property not related to the repair item.

Package night sights in a box. Do not ship loose in a standard business mailing envelope. High speed postal processing equipment may tear or destroy envelopes with small items enclosed and the risk of loss is high.

In the event the repair is evaluated as not covered under warranty, you will be contacted with a cost quotation. No work will be performed on non-warranty repairs without customer authorization to proceed. Night Fision,

LLC reserves the right to either repair or replace the unit at their discretion on warranty repairs.

Packages received at Night Fision without RMA number identified on outside of package may be subject to delays, including refusal and return to sender.

Please note our response will be emailed to the address you have supplied. Please check your Spam/Junk folder for this reply. Please adjust your email settings or add Night Fision as a contact.

## ***NIGHT FISION LIMITED LIFETIME WARRANTY***

Night Fision, LLC warrants that products manufactured by Night Fision, LLC will be free from defects in material and workmanship during normal use during the lifetime of the original owner; provided, that green and yellow tritium vials are only warranted to remain illuminated for sixteen (16) years from the date of manufacture and other vial colors are only warranted for a period of five (5) years from date of manufacture. ANY ATTEMPTED TRANSFER OF THIS LIMITED WARRANTY WILL RENDER THIS LIMITED WARRANTY NULL AND VOID.

This Limited Warranty does not apply to any products that have been damaged by abuse or misuse. Review your sights for tritium illumination and other manufacturing defects before installing or making any sight modifications. FAILURE TO USE PRODUCTS FOR ANY PURPOSE OTHER THAN NORMAL USE WILL VOID THIS LIMITED WARRANTY.

Many Night Fision, LLC products contain Tritium and are regulated by the Nuclear Regulatory Commission (NRC). As a result, purchasers are not permitted to disassemble any Night Fision, LLC products. ANY ATTEMPT TO DISASSEMBLE OR REPAIR A PRODUCT WILL VOID THIS LIMITED WARRANTY.

If a product fails to operate during the warranty period, Night Fision, LLC will, at its option, replace or repair the defective product or grant the original purchaser a credit towards a replacement product. If Night Fision, LLC provides a replacement and the original product is not available, a comparable product will be provided. Prior to receiving a replacement or refund of any products, the original purchaser must return to Night Fision, LLC the defective product. Night Fision, LLC reserves the right to replace discontinued models with the current production replacement for an upgrade fee. This fee will be billed to the original purchaser upon replacement. Night Fision, LLC will not be responsible for labor costs of product removal or installation. For avoidance of doubt, "to replace the product" does not include any removal or reinstallation costs or expenses, including, without limitation, labor costs or expenses, shipping costs to return

non-conforming products or any damages that may occur during the return of product to Night Fision, LLC.

The agents, dealers and employees of Night Fision, LLC are not authorized to make modifications to this Limited Warranty, or additional warranties binding on Night Fision, LLC about or for products or components thereof. Additional statements, whether oral or written, except signed written statements from an officer of Night Fision, LLC, do not constitute warranties and should not be relied upon.

Please be advised any product purchased from a 3rd party seller will have warranty voided. Warranty only applies to items purchased directly from Night Fision.

This Limited Warranty shall be governed by and construed and interpreted in accordance with the laws of the State of Michigan, without regard to its conflicts of laws principles. By accepting the product, purchaser and hereby irrevocably consents to the exclusive jurisdiction of the State and Federal courts sitting in

the State of Michigan with respect to any claim or other matter arising out of or related to this Limited Warranty.

All warranty claims should be sent to:

Night Fision, LLC  
ATTN: RETURNS  
2015 Bailey St.  
Dearborn, MI 48124 USA

THE FOREGOING LIMITED WARRANTY IS THE SOLE AND EXCLUSIVE REMEDY FOR ANY AND ALL CLAIMS, IN CONTRACT, IN TORT OR OTHERWISE ARISING FROM THE FAILURE OF PRODUCT AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED (IT BEING UNDERSTOOD THAT, EXCEPT FOR THIS LIMITED WARRANTY, THE PRODUCT HAS BEEN

SOLD ON AN "AS-IS" BASIS. THE LIABILITY OF NIGHT FISION, LLC SHALL BE LIMITED TO THE TERMS OF THE EXPRESS WARRANTY SET FORTH HEREIN. IN NO EVENT WILL NIGHT FISION, LLC BE LIABLE FOR ANY PUNITIVE, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, WITHOUT LIMITATION, DAMAGES RESULTING FROM LOSS OF USE, PROFITS, BUSINESS OR GOODWILL, WHETHER OR NOT NIGHT FISION, LLC HAS BEEN ADVISED OF THE POSSIBILITY THEREOF.



**NIGHT FISION**

PRECISION TRITIUM

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