

# M3 Tactical Illuminator

## Operator's Manual



**INSIGHT**  
TECH - GEAR

MADE IN THE USA

# WARNINGS

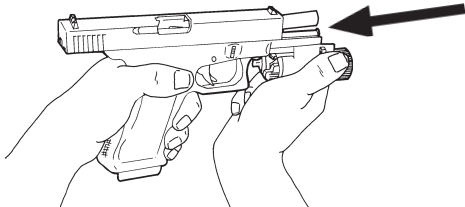
1. Before handling any firearm with the M3 Tactical Illuminator (TI) **read and understand** the entire contents of your firearm manual and the M3 TI manual, especially the safety precautions and procedures for safe firearms handling.
2. **Failure** to follow the correct safety precautions and safe firearms handling techniques outlined in your firearm and M3 TI Operator's manuals when handling a firearm with the M3 TI can result in serious injury, damage to property, or **death**.
3. **Always** practice safe firearms handling techniques when handling a firearm with or without the M3 TI.
4. **Never** point a firearm with or without the M3 TI attached, at anything or anyone that you do not intend to shoot.
5. Once the M3 TI is attached to a firearm, the firearm will be pointed at anything that the M3 TI is directed at. **Do not** point the M3 TI at anything or anyone that you do not intend to shoot. The M3 TI is designed to produce a sufficient amount of light to allow someone

in a low light environment to be safely illuminated and identified without the need to point the M3 TI light, and the attached firearm, directly at that individual. The light from the M3 TI can be pointed in a safe direction at a wall, floor, or ceiling and “bounced” onto the darkened silhouette for identification purposes, thus avoiding the need to point the firearm directly at an individual. The M3 TI can be de-focused for wide-angle illumination.

6. The ON/OFF switch on the M3 TI allows you to operate the switch **without** placing your finger inside the trigger guard. **Always** keep your fingers **off** the trigger and **outside** the trigger guard until you are ready to fire the weapon.
7. **Always** check to see the chamber of the weapon is empty or “clear” before attempting to mount or dismount the M3 TI. Follow the “clearing” procedures as set forth in the manual for your firearm.
8. **Always** remove the M3 TI from the firearm when performing maintenance or cleaning the M3 TI or when replacing bulbs or batteries.
9. **Failure** to follow any of the safety warnings listed above when handling a firearm and/or the M3 TI can be dangerous and can result in serious injury, damage to property, or **death**.

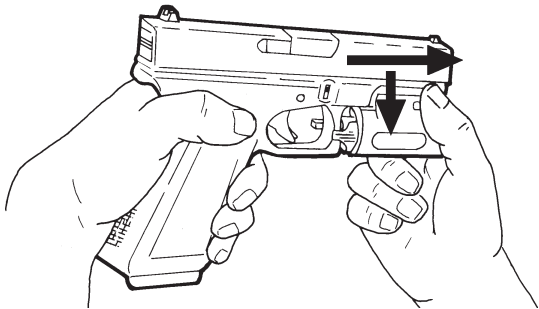
10. **Do Not** operate the M3 TI around cleaning solvents or flammable/combustible materials. Avoid use of the M3 TI in environments involving a flammable atmosphere or gasses, such as evaporated gasoline. **Do Not** use the M3 TI in areas where gasoline, paints and solvents, or other flammable liquids are stored.
11. The M3 TI should be tested periodically during periods of non-use to ensure that it is functioning properly. When anticipating use of and reliance upon the M3 TI, check the M3 TI beforehand to ensure that it is in proper working order.
12. Proper functioning of the M3 TI is dependent upon fully-charged batteries. Use care when handling batteries. Any battery has the potential to leak harmful chemicals which can damage skin, clothing, or the inside of the M3 TI. To avoid risk of injury, do not let any material leaked from a battery come in contact with eyes or skin. Do not expose batteries to excessive heat. Follow battery manufacturers' instructions as to proper handling, storage, and disposal of batteries.
13. **CAUTION: Never** place the light on its face (bulb down) while on. The bulb generates intense heat and could cause damage to the M3 TI or the surface it is on.

# MOUNTING



1. With your **“cleared and safe”** firearm in your left or right hand, hold the M3 TI in the opposite hand with the light bulb facing in the direction of the muzzle of the firearm, away from your body and in a safe direction.
2. Bring the M3 TI up and toward the firearm, aligning the grooves of the M3 TI and the grooves on the firearm; slide the M3 TI straight back until the latch engages into the locking slot located between the grooves of the firearm. There will be an audible “click” when the M3 TI is secured.
3. To check for positive engagement of the M3 TI to the firearm, attempt to slide the M3 TI forward. You should not be able to move the M3 TI forward without disengaging the lock.
4. The M3 TI is now mounted.

# DISMOUNTING

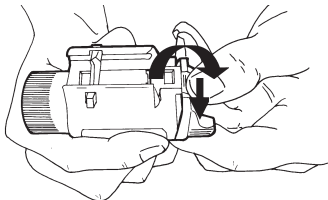


1. Place your free hand under the M3 TI with your index finger and thumb on each end of the latchbar. Pull down with the index finger and thumb to disengage the latchbar from the weapon and push downward and forward until the M3 TI is clear of the grooves on the firearm.
2. Always store the M3 TI in the box provided or in a pouch on your equipment belt.

**CAUTION**

**NEVER** put your hand in front of the muzzle of a firearm.  
Make sure you push the M3 TI forward down and away from the muzzle of the pistol.

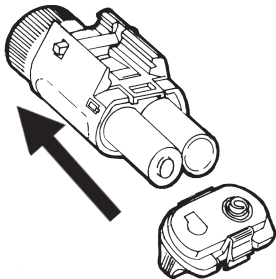
# BATTERY REPLACEMENT



1. With the unit dismounted from the gun, hold the M3 TI in one hand and with the thumb of the free hand, press down on the tab located at the top center of the backplate.
2. While depressing the tab, pivot the backplate away from the body of the M3 TI.
3. The batteries may now be removed from the body of the M3 TI by tipping the bezel upward and allowing the 2 batteries to slide out.
4. To replace the two 3-Volt Lithium 123 batteries, observe the raised battery orientation markings on the outside of the main body. Insert the battery on the left side of the battery cavity negative end first. Insert the battery on the right side positive end first.
5. Place the lip of the backplate into the small groove in the bottom of the M3 TI

body and pivot upward until the locking tab engages into the rectangular hole and a “click” can be heard.

6. Make sure the light is functioning by turning the unit on and manipulating the switch either up or down. The light should come ON. If not, check to make sure that the backplate is secure. If the light still does not operate, remove the backplate and check to see that the batteries are installed correctly.



**Insight Tech-Gear recommends you DO NOT store the M3 TI with batteries in the unit.**

# SWITCH OPERATION

The switch is part of the backplate and no attempt should be made to disassemble it. The switch has two positions, Momentary-ON and Steady-ON.

## **MOMENTARY-ON POSITION:**

Pushing and holding the Rocker Switch counter-clockwise to the Momentary-ON position will make the light turn on and stay on until the Rocker Switch is released and it springs back to the neutral (center) OFF position.

## **STEADY-ON POSITION:**

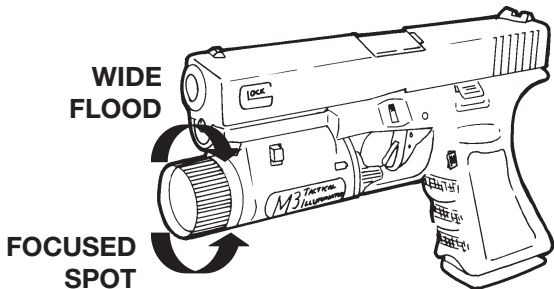
Pushing the Rocker Switch clockwise to the Steady-On position will make the light come on and stay on until the Rocker Switch is pushed back to the OFF (center) position.

## **CAUTION**

**Never place the light on its face (bulb down) while on. The bulb generates intense heat and could cause damage to the M3 TI or the surface it is on.**

# FOCUSING

To focus the beam of the M3 TI, simply turn the bezel until the desired focus is reached. Be careful not to unscrew the bezel from the body.

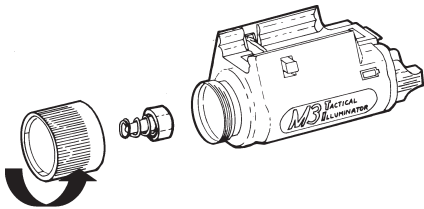


## CAUTION

**DO NOT** place your hand in front of the muzzle of the firearm when turning the bezel.

# BULB REPLACEMENT

1. Dismount the M3 TI from the firearm and turn the unit to the OFF position.
2. Turn the bezel counter clockwise until it can be removed from the main body. There is a slight spring pressure as the bezel comes free of the retaining threads.



3. Remove the old bulb from the M3 TI as shown in the photo.
  4. Insert the new bulb into the bulb cavity.
  5. Reinstall the bezel by rotating clockwise, taking care to align the recoil spring in the counter-bore of the reflector and not pinching the O-ring.
- NOTE:** Make sure to fully engage bezel on M3 TI main body so it does not come loose during firing.

## CAUTION

Only replace the bulb when the M3 TI is detached from the firearm.

# MAINTENANCE

## General Cleaning:

1. Clean the M3 TI light by rinsing with clean or mild, soapy water and wiping with a soft cloth. Standard gun cleaning solvents (i.e., Hoppes) may be used to clean stubborn areas. Rinse with clean water to eliminate residue. Cleaning should be done whenever the M3 TI light becomes dirty or after exposure to salt water.
2. To clean the illumination window, wipe using a soft cloth with clean water, alcohol, or general purpose window cleaner. NOTE: Before shooting, to avoid a build-up of muzzle blast on the flashlight bezel lens, rub a small amount of oil or lubricating solvent on the exterior glass ONLY. This will make post-shooting clean-up easier.
3. Clean the electrical contacts with Q-Tips dipped in alcohol, or for heavier build-up use a standard pencil eraser.
4. Replacement bulbs, part #CFL-700, can be purchased through the dealer where you purchased your light or you can contact Insight Tech-Gear directly to locate a stocking distributor.

# **LIMITED WARRANTY**

## **INSIGHT TECH-GEAR**

### **12 MONTH LIMITED WARRANTY**

Insight Tech-Gear warrants for 12 months after purchase that its products will be free from defects in material and workmanship. At its sole discretion, Insight Tech-Gear will either repair or replace, at no charge, any product or part (with the exception of the lamp and battery) which is found to be defective under normal use and service. Insight Tech-Gear's obligation to either repair or replace shall be the purchaser's sole and exclusive remedy under this warranty. The warranty does not cover battery leakage. The battery manufacturer should be contacted in the event of a leak.

This warranty extends only to the original owner. There are no warranties, expressed or implied, other than as set forth on this page, and Insight Tech-Gear disclaims any warranties of merchantability or fitness for a particular purpose. Insight Tech-Gear Incorporated shall not be liable for incidental, consequential or special damages arising out of or in connection with product use or performance. For service, repair, or replacement, return unit "UPS Prepaid" with a copy of the sales receipt to Insight Tech-Gear.

# **PRODUCT REGISTRATION OF THE M3 TI**

**MAIL IN A POST CARD WITH YOUR NAME, ADDRESS, TELEPHONE NUMBER, and DATE OF PURCHASE ALONG WITH YOUR FIREARM MODEL AND CALIBER TO INSIGHT TECH-GEAR.**

For service, repair, or replacement, please call for a Return Material Authorization Number (RMA) before returning unit. Send via "UPS Prepaid" with a copy of the sales receipt and the RMA number clearly marked on the package to:

Insight Tech-Gear  
23 Industrial Drive

Londonderry, NH 03053

**ATTN: COMMERCIAL SALES**

Phone: 877-744-4802 / Fax: 603-668-1084

The exportation of this product falls under the jurisdiction of the U.S. Commerce Department Bureau of Industry and Security and is subject to the Export Administration Regulations.



23 Industrial Drive Londonderry NH 03053  
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