

# WOLVERINE-4

NIGHT VISION RIFLE SCOPE

USER MANUAL

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# LIST OF CONTENTS

TITLE	PAGE
Safety Summary	4
<b>SECTION 1. GENERAL INFORMATION</b>	<b>6</b>
1.1 General Information	6
1.2 Key Features	6
1.3 System Description	6
1.4 Standard Components and Optional Equipment	8
<b>SECTION 2. OPERATING INSTRUCTIONS</b>	<b>9</b>
2.1 Installation and Mounting	9
2.2 Controls	11
2.3 Operating Procedures	12
<b>SECTION 3. MAINTENANCE</b>	<b>15</b>
3.1 Cleaning Procedures	15
3.2 Troubleshooting	15
<b>SECTION 4. WARRANTY INFORMATION</b>	<b>17</b>
4.1 Warranty Information and Registration	17
<b>SECTION 5. SPECIFICATIONS</b>	<b>19</b>
5.1 Specifications	19

## SAFETY SUMMARY

- Read and follow all instructions
- Read all warnings
- Only use the attachments/accessories specified by the manufacturer
- All maintenance must be done by the manufacturer

### **WARNING:**

Always make sure your firearm is unloaded before you place the scope on the firearm. Verify that the chamber is empty, particularly if you stop the procedure and resume at a later time. Safe handling rules should be followed at all times.

### **WARNING:**

If a scope is mounted too far to the rear of a weapon, the eyepiece can injure the shooter's brow. Shooting at an uphill angle also increases this risk, because it shortens the distance between the brow and the rear of the scope. When mounting your scope, we recommend positioning it as far forward in the mounts as possible.

With hard-recoiling rifles, serious injury or even death can result from eyepiece impact when discharging the firearm.

BEFORE SHOOTING THE FIREARM, verify that your installation provides sufficient space between the eyepiece and the scope to account for the recoil generated by your rifle.

NOTE: Give special attention to this warning when shooting uphill and/or from a prone position. These shooting conditions can dramatically reduce space allotted for recoil between your eyes and the weapon. PLEASE maintain maximum distance when shooting magnum firearms or firearms with heavy recoil. THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY FOR HAVING THE RIFLE SCOPE PROPERLY MOUNTED TO A FIREARM AND USING THE RIFLESCOPE PROPERLY. ALWAYS CHECK THE CONDITION OF YOUR MOUNTING SYSTEM PRIOR TO USING YOUR FIREARM.

### **WARNING:**

The intensifier's phosphor screen contains toxic materials.

- If the intensifier tube breaks, be extremely careful to avoid inhaling the phosphor screen material. DO NOT allow the material to come in contact with your mouth, eyes, or any open wounds on the skin.
- If the phosphor screen material comes in contact with your skin, wash it off immediately with soap and water.
- If you inhale or swallow any phosphor screen material, drink a lot of water, induce vomiting, and seek medical attention as soon as possible.

### **WARNING:**

**This product contains natural rubber latex which may cause allergic reactions!** The FDA has reported an increase in the number of deaths that are associated with an apparent sensitivity to natural latex proteins. If you are allergic to latex, it is a good idea to learn which products contain it and strictly avoid exposure to those products.

### **WARNING:**

- When used in total darkness, the light from the unit's infrared (IR) illuminator is invisible to the naked eye. However, the light can be detected by other Night Vision Devices (NVD).
- To reduce the risk of detection by another NVD, avoid prolonged use of the IR illuminator.
- Light from the IR illuminator is more easily detected by other NVDs when used in fog, smoke, and rain. Avoid prolonged use of the IR illuminator in these conditions.
- Do not use contaminated eyecups. If it is contaminated, it must be replaced.

### **CAUTION:**

The Wolverine-4 night vision rifle scope is a precision electro-optical instrument and requires careful handling. Please follow the below instructions for safe use:

- DO NOT disassemble the unit.
- Keep the unit clean; protect it from moisture, sudden temperature drops and shocks.
- Be careful not to touch the glass surfaces. If you leave finger-prints on, or contaminate the glass surfaces, use only clean and soft materials to clean it.
- Protect the unit from excessive lighting. DO NOT turn the device on in daylight with the front lens cap off. DO NOT point the device at the bright light source (a fire, car headlights, lanterns, street lamps, room lights, etc.).
- DO NOT test the device in daylight conditions even with the daylight filter/lens cap on for more than ten (10) minutes.
- DO NOT leave the unit in the ON position during breaks in operation.
- Remove the battery from the unit when it will be stored for more than 3 days. Failure to do so may damage the unit.

### **NOTES:**

To avoid injuries and equipment damage from using the Wolverine-4, carefully read and consider the following equipment limitations.

- The equipment requires some night light (moonlight, starlight, etc.) to operate. The level of equipment performance depends upon the level of light.
- The amount of night light is reduced when passing through the clouds, while operating under trees, under the shadows of houses, etc.
- The device is less effective when peering into shadows and other darkened areas.
- The device is less effective in viewing through rain, fog, sleet, snow or smoke.
- The equipment will not "see" through dense smoke.
- Under starlight conditions, low contrast environments (such as snow-covered territory, sandy deserts, large bodies of water or grassy hills) degrade visibility thereby disguising or masking changes in terrain.
- Under too low-light conditions the device loses some of the resolution it has under full moon conditions.

# 1 GENERAL INFORMATION

## 1.1 GENERAL INFORMATION

The AGM Wolverine-4 is a rugged and advanced night vision rifle scope that offers excellent performance at a competitive price. Boasting a high-quality Gen 2+ image intensifier tube, adjustable illuminated reticle, easy-to-use internal windage and elevation adjustments, and simple controls, the Wolverine-4 allows you to see beyond the expected in nighttime conditions.

This rifle scope is manufactured using a specially-coated aircraft alloy. It is equipped with a double-lever quick-release mount that allows for highly-accurate rail positioning to maximize user comfort. The manual precision top wheel focus provides improved accuracy and ergonomics. Water resistant, lightweight, and robust, the Wolverine-4 is the ideal night vision rifle scope for dedicated hunters and tactical marksmen.

## 1.2 KEY FEATURES

- **4x magnification**
- **Shockproof even with heavy recoil (included .375H&H cal.)**
- **Special high light transmission optics**
- **Long eye relief**
- **Precision tactical windage/elevation adjustment**
- **Illuminated reticle with brightness adjustment**
- **Auto brightness control**
- **Dust and sprinkle resistance**
- **Extremely light weight**
- **Long-range Infrared illuminator**
- **3-year warranty**

## 1.3 SYSTEM DESCRIPTION

The Wolverine-4 consists of two primary parts: the night vision device (hereafter referred to as NVD) and the mount. The Wolverine-4 is delivered already assembled. The mount should be secured to the seating rail of the NVD with two screws.

The NVD includes four main components: the objective and output lenses, an image intensifier tube, and the body.

The objective lens focuses available light (photons) on the photocathode of the image intensifier tube (IIT). The light energy causes electrons to be released from the cathode. After being amplified, the electron flow represents an intensified version of the original image of the scene.

The electrons then strike the IIT phosphor screen, which reacts to them by glow that is visible to the human eye. The image is projected by the output lens from the IIT screen to the eye. The automatic brightness adjustment system maintains consistent image brightness, even in changing light conditions.

The Wolverine-4 is powered by a single CR123A battery.

The mount system quick and reliable mounts the Wolverine-4 to the Picatinny/Weaver rail.

The Wolverine-4 is shown in Figure 1-1. The ITEM column in Table 1-1 indicates the number used to identify items in Figure 1-1.

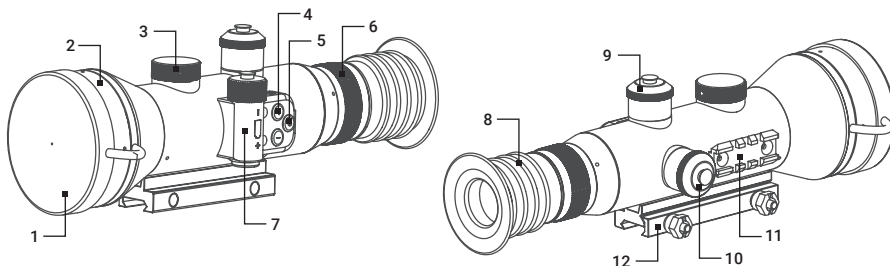


FIGURE 1-1. WOLVERINE-4 NIGHT VISION RIFLE SCOPE MAIN PART

TABLE 1-1. WOLVERINE-4 NIGHT VISION RIFLE SCOPE MAIN PART

ITEM	DESCRIPTION
1	Objective Lens Cap
2	Objective Lens
3	Focus Knob
4	Reticle Brightness Buttons
5	Power Button
6	Diopter Adjustment Ring
7	Battery Compartment Cap

ITEM	DESCRIPTION
8	Eyecup
9	Elevation Adjustment (closed with a cap)
10	Windage Adjustment (closed with a cap)
11	Picatinny Rail
12	Mount

# 1.4 STANDARD COMPONENTS AND OPTIONAL EQUIPMENT

The Wolverine-4 standard components and optional equipment are shown in Figure 1-2 and listed in Table 1-2.

The ITEM column indicates the number used to identify items in Figure 1-2.

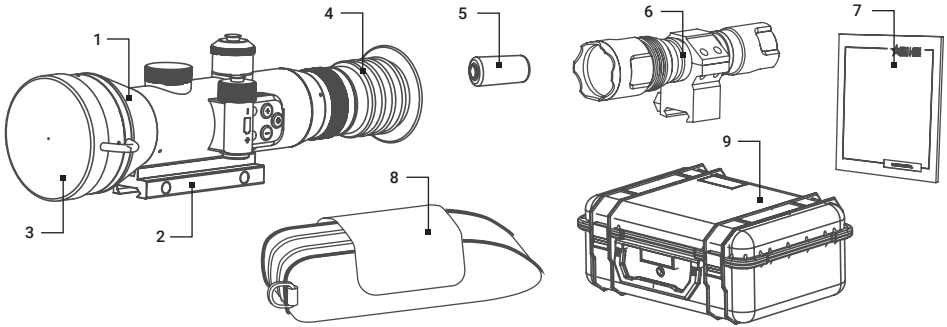


FIGURE 1-2. STANDARD COMPONENTS AND OPTIONAL EQUIPMENT

TABLE 1-2. STANDARD COMPONENTS AND OPTIONAL EQUIPMENT

ITEM	DESCRIPTION	QUANTITY
1	Wolverine-4 Night Vision Rifle Scope	1
2	Mount	1
3	Lens Cap	1
4	Eyecup	1
5	CR123A Battery	1
6	Infrared Illuminator	1
7	User Manual	1
8	Carrying Case	1
9	Hard Case for Storage/Transportation (P/N 6610HCS1)	Optional

# 2 OPERATING INSTRUCTIONS

## 2.1 INSTALLATION AND MOUNTING

### CAUTION

To protect the image intensifier tube when the device is not in use or when it is being operated in daylight, keep the protective objective lens cap securely fitted over the lens.

### 2.1.1 WOLVERINE-4 BATTERY INSTALLATION

Install the battery as follows (refer to Figure 2-1):

1. Unscrew the battery compartment cap (A).
2. Install the CR123A battery (B) into the battery compartment (C), following the polarity order marked on the compartment for reference.
3. Replace the battery cap.

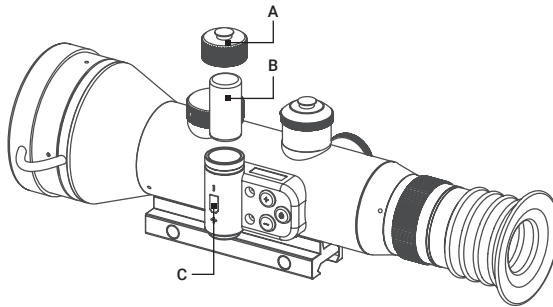


FIGURE 2-1. WOLVERINE-4 BATTERY INSTALLATION

### 2.1.2 INSTALLING THE WOLVERINE-4 ON A PICATINNY/WEAVER RAIL

Your night vision device Wolverine-4 can be mounted to the Picatinny/Weaver rail systems.

The Wolverine-4 is supplied with a mount without a rigid attachment to the body, which in most cases allows the special adaptation of the device for a specific rifle model. To do this, contact a specialized rifle workshop or install the mount yourself, if you are qualified enough.

### CAUTION:

Most cases of uncontrolled displacement of mean point of impact are concerned with incorrect installation of the mount.

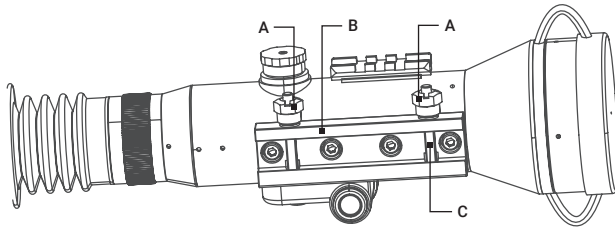


FIGURE 2-2. MOUNT

1. After loosening the nuts (A), install the mount (B) on the Picatinny/Weaver Rail so that the stop (C) fits into one of the transverse grooves of the rail.
2. Tighten nuts (A).

### 2.1.3 INSTALLING THE INFRARED ILLUMINATOR

The infrared (IR) Illuminator is delivered ready-assembled with a dedicated mount, to be installed on the Weaver rail.

Mount the IR Illuminator on the Wolverine-4 rail as follows (Figure 2-3):

1. With the nut (A) loosened, install the mount (B) on the Weaver rail so that the stop (C) slides into one of the transverse slots of the rail.
2. Tighten the nut (A).

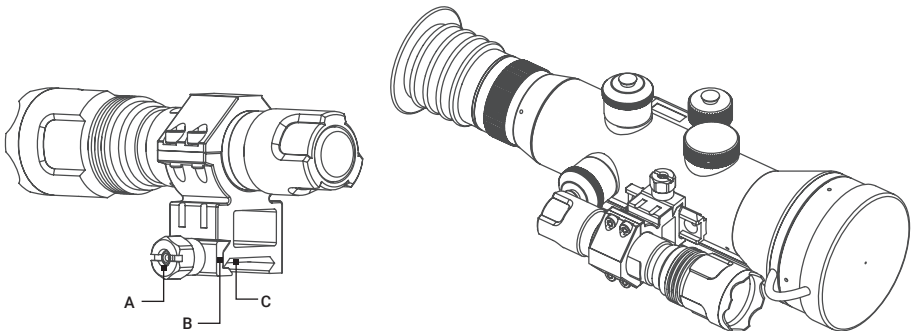


FIGURE 2-3. IR ILLUMINATOR

## 2.2 CONTROLS

### CAUTION:

DO NOT force the equipment controls past their stopping points.

### 2.2.1 WOLVERINE-4 CONTROLS

The Wolverine-4 controls and indicator are shown in Figure 2-4 and defined in Table 2-1. The ITEM column indicates the number used to identify items in Figure 2-4.

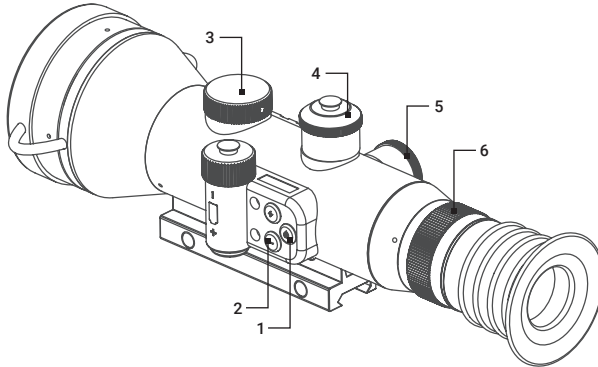


FIGURE 2-4. WOLVERINE-4 CONTROLS

TABLE 2-1. WOLVERINE-4 CONTROLS

ITEM	CONTROLS	FUNCTION
1	Power button	Turns ON/OFF the Wolverine-4.
2	Reticle Brightness Adjustment Buttons	Adjusts the brightness of the reticle. The brightness can be adjusted with the (+) and (-) buttons from black to red. The adjustment has 9 levels.
3	Focus Knob	Focuses the objective lens.
4	Elevation Adjustment Turret (closed with a cap)	Adjusts the boresight. Rotate the turret to move the reticle vertically.
5	Windage Adjustment Turret (closed with a cap)	Adjusts the boresight. Rotate the turret to move the reticle horizontally.
6	Diopter Adjustment Ring	Adjusts the diopter correction.

## 2.3 OPERATING PROCEDURES

### 2.3.1 OPERATING THE WOLVERINE-4

Operating procedures should be performed in night light conditions only.

**CAUTION:**

Only operate the Wolverine-4 in dark environments. If it necessary to operate the device in daylight, always cover the objective lens with lens cap. The pinhole at the centre of the lens cap will allow the user to check operational capabilities in daylight conditions.

1. Verify that the battery is installed as required.
2. Remove the objective lens cap and place it over the lens' housing.
3. Turn the device on by pressing the POWER button. Green light should appear on the screen (the device works in a passive mode).

**CAUTION:**

Avoid exposing the device to bright light sources such as firelight, headlights, searchlights, etc., as these can damage the Wolverine-4.

4. Observe the scene and adjust the focus. While looking through the eyepiece, rotate the diopter adjustment ring until the image is clear. Then bring target into focus by rotating the objective focus ring until the target appears clear and sharp (CCW for far away objects, CW for close objects).
5. Adjust the brightness of the reticle. The brightness can be adjusted with the (+) and (-) buttons from black to red. The brightness has 9 levels.
6. To turn off the Wolverine-4, press the POWER button.

**CAUTION:**

If the bright light cut-off feature turns the device off, it will automatically turn back on once the light in the surrounding environment decreases to an acceptable level, or the device is remitted to a darker area.

### 2.3.2 RETICLE

The Wolverine-4 features a reticle designed for use in range estimation and bullet drop and drift compensation.

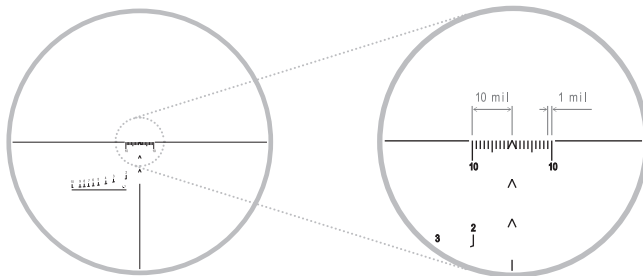


FIGURE 2-5. THE WOLVERINE-4 RETICLE

The top center “chevron” (^) is used as the main aiming mark. The horizontal hash marks are for windage and lead corrections and can be used for ranging purposes as well.

To the left is a stadiametric rangefinder that can be used to determine the distance from a 1.7 meters (5 ft 6.9 in) tall object from 200 metres (219 yd) to 1,000 metres (1,094 yd). For this the lowest part of the target is lined up on the bottom horizontal line.

The 10 reticle hashmarks in the horizontal plane can be used to compensate for wind or moving targets and can also be used for additional stadiametric rangefinding purposes, since they are spaced at 1 milliradian intervals, meaning if an object is 5 m wide it will appear 10 hash marks wide at 500m.

### 2.3.3 BORE SIGHTING

Before the adjustment of the scope, its objective focus should be adjusted for a distant object (select infinity) in a dark time with the opened cover of the objective. The scope can be adjusted in the daytime with the lens cap closed, or at dusk to a corrected target or distant point. The scope is adjusted as follows.

1. Install the scope to mount of the rifle.
2. Set a target or select the point of aiming.
3. Install the rifle on the sighting rest.
4. Direct the rifle to the point of aiming by mechanical sight (if it is possible). At this stage it is suitable to apply laser of cold test shooting inserted in the barrel of the rifle, which indicates geometrical point of the barrel position.
5. Unscrew the protective caps of the Windage/Elevation adjustment mechanisms. Turn the reticle bias screws to align the reticle crosshair with the aimed point set by the mechanical sight or cold test shooting.
6. Remove the rifle from sighting rest and take out cold test shooting.
7. Fire 2-3 shots. After examining the target, make necessary corrections (for example, to move the point of impact down and to the left, the screws of the mechanism should be turned clockwise in the directions Down and Left, respectively. The aiming point moves up and to the right). Each click of adjustment mechanism is 0.115 mil (0.4 MOA).

TABLE 2-2. SHIFT OF POINT OF IMPACT FOR DIFFERENT SHOOTING DISTANCE

DISTANCE	1 CLICK	2 CLICKS	3 CLICKS	...	N CLICKS
<b>100 m / 100 yd</b>	1.15 cm / 0.42 in	2.3 cm / 0.84 in	3.45 cm / 1.26 in	...	S100M=1.15*N (cm) S100Y=0.42*N (in)
<b>200 m / 200 yd</b>	2.3 cm / 0.84 in	4.6 cm / 1.68 in	6.93 cm / 2.52 in	...	S200M=2.3*N (cm) S200Y=0.84*N (in)
<b>300 m / 300 yd</b>	3.45 cm / 1.26 in	6.93 cm / 2.52 in	10 cm / 3.78 in	...	S300M=3.45*N (cm) S300Y=1.26*N (in)
<b>400 m / 400 yd</b>	4.6 cm / 1.68 in	9.2 cm / 3.36 in	14 cm / 5.04 in	...	S400M=4.6*N (cm) S400Y=1.68*N (in)

8. Fire a control shot and find out whether if the aiming point coincides with the point of impact of the bullet (if necessary, make the correction again).

9. For the convenience of further shooting, the windage/elevation mechanism can be set in the zero position. To do this you should unscrew three screws of the each knob with Allen key and turn the knobs until the zero position of the knobs coincides with special marks on the body of the scope. Use the same key to secure the knobs with three screws.
10. Screw the protective caps of the adjustment mechanisms.
11. The device is ready for operation.

**NOTE:**

- When the point of impact is below:  
Turn the Elevation knob at the up direction (counterclockwise).
- When the point of impact is above:  
Turn the Elevation knob at the down direction (clockwise).
- When the point of impact is in the left:  
Turn the Windage knob at the right direction (counterclockwise).
- When the point of impact is in the right:  
Turn the Windage knob at the left direction (clockwise).

### 2.3.4 LONG-RANGE INFRARED ILLUMINATOR OPERATIONS

**CAUTION:**

- The device is equipped with an infrared LED which is not hazardous to human health. However, do not point the IR illuminator at anyone's eyes.
- The IR illuminator infrared light will be invisible to the naked eye. The light can, however, be detected by other night vision devices.

To operate the IR illuminator:

1. Install the IR illuminator per the instructions in Paragraph 2.1.3.
2. Turn on the IR illuminator by pressing the tail cap button.
3. To adjust IR beam divergence, rotate the objective lens.
4. To turn off the IR illuminator press the tail cap button again.

### 2.3.5 SHUT-DOWN

Shut-down the Wolverine-4 as follows:

1. Turn off the device. The glow in viewfinder will disappear.
2. Place the cap over the objective lens.
3. Remove the Wolverine-4 from the weapon.
4. Remove the IR Illuminator from the Wolverine-4.
5. Remove the batteries from Wolverine-4 and IR Illuminator.

**CAUTION:**

**DO NOT** store the equipment with the battery installed.

6. Ensure that the Wolverine-4 and any accessories are clean and dry before placing them into the storage case.
7. Store the Wolverine-4 and accessories in the carrying case.

# 3 MAINTENANCE

## 3.1 CLEANING PROCEDURES

### **CAUTION:**

Thoroughly dry each item before placing them into the storage case.

Clean the Wolverine-4 as follows:

1. Gently brush off any dirt from the device's body using a clean soft cloth.
2. Moisten the cloth with fresh water and gently wipe external surfaces (except for glass surfaces).
3. Dry any wet surfaces (except for glass surfaces) with another clean, soft, dry cloth.
4. Using a lens brush, carefully remove all loose dirt from the glass surfaces.
5. Slightly dampen a cotton swab with ethanol. Gently and slowly wipe the lenses. Without touching the lens holders, clean the glass surfaces in circular movements, beginning in the center and moving out towards the edge. Change the cotton swab after each circular stroke. Repeat until the glass surfaces are clean.
6. Clean the battery surfaces and contacts with a pencil eraser and/or alcohol-dampened cotton swabs.

## 3.2 TROUBLESHOOTING

The purpose of troubleshooting is to identify the most commonly occurring equipment malfunctions, their probable causes, and the corrective actions required to fix them.

Table 3-1 lists the common malfunctions that may occur during the operation or maintenance of the Wolverine-4. Perform the tests, inspections, and corrective actions in the order listed in the table.

This table cannot list all of the malfunctions that may occur with your Wolverine-4, or all of the tests and corrective actions that may be necessary. If you experience an equipment malfunction that is not listed, or is not fixed by the corrective actions listed in the table, please contact Customer Service center.

**TABLE 3-1. TROUBLESHOOTING**

<b>MALFUNCTION</b>	<b>PROBABLE CAUSE/ TEST/ INSPECTION</b>	<b>CORRECTIVE ACTION</b>
Wolverine-4 fails to activate.	Battery is dead, missing or improperly installed.	Replace the battery or reinstall it correctly.
	Battery surfaces or contacts are dirty or corroded.	Clean the contact surfaces with a pencil eraser and/or alcohol and cotton swabs.
	Defective image intensifier tube.	Please contact Customer Support.
Poor image quality.	Check objective lens or eyepiece focus.	Refocus the lens.
	Check for fogging or dirt on the lens.	Clean the lens as detailed in Part 3.1. If image quality is still poor, please contact Customer Support.
	Damaged optical components.	Please contact Customer Support.
Wolverine-4 affects boresight after installation or during the firing.	Factory alignment is broken.	Please contact Customer Support.
Hindered rotation of the battery cap.	Dirty cap thread.	Clean the thread.
	Damaged cap thread.	Please contact Customer Support.
Light is visible around the eyecup.	Check the exit pupil distance value.	Readjust for proper eye-relief distance.
	Check the eyecup resilience.	If the eyecup is defective, please contact Customer Support.
IR Illuminator fails to activate.	Battery is dead, missing or improperly installed.	Replace the battery or reinstall it correctly.
	Battery surfaces or contacts are dirty or corroded.	Clean the contact surfaces with a pencil eraser and/or alcohol and cotton swabs.
	IR Illuminator damaged.	Please contact Customer Support.

### **3.3 PREPARATION FOR EXTENDED STORAGE**

1. Unscrew the battery caps and remove the batteries from the scope and IR illuminator.
2. Inspect the battery compartments for corrosion or moisture. Clean and dry if necessary.
3. Replace the battery caps.
4. Ensure that the rifle scope, accessories and case are free of dirt, dust, and moisture.
5. Place the rifle scope and accessories into the carrying case.

## 4 WARRANTY INFORMATION

### 4.1 WARRANTY INFORMATION AND REGISTRATION

#### 4.1.1 WARRANTY INFORMATION

This product is guaranteed to be free from manufacturing defects in material and workmanship under normal use for a period of three (3) years from the date of purchase. In the event that a defect covered by the warranty below occurs during the applicable period stated above, AGM Global Vision, at its discretion, will either repair or replace the product; such action on the part of AGM Global Vision shall be the full extent of AGM Global Vision's liability, and the Customer's sole and exclusive reparation. This warranty does not cover a product if it has been (a) used in ways other than its normal and customary manner; (b) subjected to misuse; (c) subjected to alterations, modifications or repairs by the Customer or by any party other than AGM Global Vision without prior written consent of AGM Global Vision; (d) is the result of a special order or categorized as "close-out" merchandise or merchandise sold "as-is" by either AGM Global Vision or the AGM Global Vision dealer; or (e) merchandise that has been discontinued by the manufacturer and either parts or replacement units are not available due to reasons beyond the control of AGM Global Vision. AGM Global Vision shall not be responsible for any defects or damage that in AGM Global Vision's view are a result from the mishandling, abuse, misuse, improper storage or improper operation of the device, including use in conjunction with equipment that is electrically or mechanically incompatible with, or of inferior quality to, the product, as well as failure to maintain the environmental conditions specified by the manufacturer. This warranty is extended only to the original purchaser. Any breach of this warranty shall be enforced unless the customer notifies AGM Global Vision at the address noted below within the applicable warranty period.

The customer understands and agrees that except for the foregoing warranty, no other warranties written or oral, statutory, expressed or implied, including any implied warranty of merchantability or fitness for a particular purpose, shall apply to the product. All such implied warranties are hereby and expressly disclaimed.

#### 4.1.2 LIMITATION OF LIABILITY

AGM Global Vision will not be liable for any claims, actions, suits, proceedings, costs, expenses, damages, or liabilities arising out of the use of this product. Operation and use of the product are the sole responsibility of the Customer. AGM Global Vision's sole undertaking is limited to providing the products and services outlined herein in accordance with the terms and conditions of this Agreement. The provision of products sold and services performed by AGM Global Vision to the Customer shall not be interpreted, construed, or regarded, either expressly or implied, as being for the benefit of or creating any obligation toward any third party of legal entity outside AGM Global Vision and the Customer; AGM Global Vision's obligations under this Agreement extend solely to the Customer. AGM Global Vision's liability hereunder for damages, regardless of the form or action, shall not exceed the fees or other charges paid to AGM Global Vision by the customer or customer's dealer. AGM Global Vision shall not, in any event, be liable for special, indirect, incidental, or consequential damages, including, but not limited to, lost income, lost revenue, or lost profit, whether such damages were foreseeable or not at the time of purchase, and whether or not such damages arise out of a breach of warranty, a breach of agreement, negligence, strict liability, or any other theory of liability.

### **4.1.3 PRODUCT REGISTRATION**

In order to validate the warranty on your product, the customer must complete and submit AGM Global Vision PRODUCT REGISTRATION FORM on our website ([www.agmglobalvision.com/customer-support](http://www.agmglobalvision.com/customer-support)).

### **4.1.4 OBTAINING WARRANTY SERVICE**

To obtain warranty service on your unit, the End-user (Customer) must notify the AGM Global Vision service department via e-mail. Send any requests to [support@agmglobalvision.com](mailto:support@agmglobalvision.com) to receive a Return Merchandise Authorization number (RMA). When returning any device, please take the product to your retailer, or send the product, postage paid and with a copy of your sales receipt, to AGM Global Vision's service center at the address listed above. All merchandise must be fully insured with the correct postage; AGM Global Vision will not be responsible for improper postage or merchandise that becomes lost or damaged during shipment. When sending product back, please clearly write the RMA# on the outside of the shipping box. Please include a letter that indicates your RMA#, the Customer's Name, a Return Address, reason for the return, contact information (valid telephone numbers and/or an e-mail address), and proof of purchase that will help us to establish the valid start date of the warranty. Product merchandise returns that do not have an RMA# listed may be refused, or a significant delay in processing may occur. Estimated Warranty service time is 10-20 business days. The End-user/Customer is responsible for postage to AGM Global Vision for warranty service. AGM Global Vision will cover return postage/shipping after warranty repair to the End-user/Customer only if the product is covered by the aforementioned warranty. AGM Global Vision will return the product after warranty service by domestic UPS Ground service and/or domestic mail. Should any other requested, required, or international shipping methods be necessary, the postage/shipping fee will be the responsibility of the End-user/Customer.

For service, repair or replacement, please contact:

**AGM Global Vision, LLC**

**2407 E Interstate 30, Suite 100**

**Grand Prairie, TX 75050**

**Tel. 928.333.4300**

**[support@agmglobalvision.com](mailto:support@agmglobalvision.com)**

**[www.agmglobalvision.com](http://www.agmglobalvision.com)**

# 5 SPECIFICATIONS

## 5.1 SPECIFICATIONS

The following tables provide information pertaining to the operational, optical, electrical, mechanical, and environmental characteristics of the Wolverine-4 rifle scope.

TABLE 5-1. SPECIFICATIONS

ITEM	DATA
Magnification	4x
Field of View	10°
Lens System	110 mm, F/1.5
Exit Pupil	5 mm
Eye Relief	45 mm
Diopter Adjustment	-4D to +3D
Range of Focus	10 m to infinity
Infrared Illuminator	Detachable long-range IR illuminator: 850nm IR LED, 5W.
Reticle Type / Color	Mil-Dot, illuminated red center
Reticle Brightness Adjustment	Digital (9 levels)
Automatic Brightness Control	Yes
Boresight Adjustment Increment	0.115 mil (0.4 MOA)
Boresight Adjustment Range	±20 mil (±65 MOA)
Battery Type	One CR123A (3V)
Battery Life (operating) (IR off)	Up to 50 hrs (20°C)
Operating Temperature	-40 to +50°C (-40 to 122°F)
Storage Temperature	-50 to +70°C (-58 to 158°F)
Environmental Rating	IP65
Dimensions	294 × 81 × 89 mm (11.6 × 3.2 × 3.5 in)
Weight (without battery)	1.3 kg (2.86 lb)

**NOTE:**

All data subject to change without notice.



## **AGM Global Vision, LLC**

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