



**GLX<sup>®</sup> 3-18x44**

**FIRST FOCAL PLANE  
OPTIC MANUAL**

## THANK YOU FOR CHOOSING THIS PRIMARY ARMS OPTIC

If you have any questions about your new optic or any of our other products, visit us at [www.primaryarmsoptics.com](http://www.primaryarmsoptics.com), email us at [info@primaryarmsoptics.com](mailto:info@primaryarmsoptics.com), or give us a call toll-free at 855-774-2767. The customer service team at our headquarters in Houston, Texas will respond promptly.

If you have any problems with a Primary Arms Optics product, we urge you to contact us immediately and let our customer service professionals handle the situation for you. There is no need to return your optic to the retailer.

\*View back cover for lifetime warranty information.

## PRIMARY ARMS GLx® 3-18X44 FIRST FOCAL PLANE RIFLE SCOPE

Our GLx Series brings premium technology and materials into an approachable price range. All GLx products are backed by a lifetime warranty and commitment to customer satisfaction.

The GLx 3-18x44mm FFP Rifle Scope brings premium optical performance to a versatile mid-power magnification range. With 180 MOA of internal elevation, patented steel-on-steel turrets, and high-quality glass, the GLx 3-18x44mm is capable of

engaging targets at long distances. This optic also features a wide field-of-view for improved target awareness, an FFP reticle design for effectiveness across magnifications, and a UML-compatible throw lever system.

## OPTIC FEATURES



### **AUTOLIVE®**

Our motion-sense technology, AutoLive, greatly extends your battery life when storing optics with active illumination.



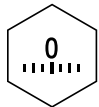
### **DAYLIGHT VISIBLE**

Suitable for any environment, our Daylight Visible scopes offer bold reticle illumination, visible even in broad daylight.



### **EASY LOCK™**

Easy Lock turrets automatically lock at the zero position, preventing unintended adjustments from bumps or snags



### **EASY STOP™**

Easy Stop turrets feature an integrated over-travel stop, so you can always be confident when returning to your zero position.



### **HD GLASS**

Our HD (High-Density) Glass is a feature of premium optics, delivering greater clarity, definition, and color correctness.



### **MULTI-COATED LENS**

Our Multi-Coated Lenses are treated with a special finish to reduce reflections and increase light transmission.



### **SHOCKPROOF**

Our Shockproof optics are reinforced against impact, capable of facing the rigors of duty use.



### **STEEL ON STEEL (SOS™)**

Our Steel-on-Steel Turrets are an upgrade over traditional brass rings, guaranteeing a lifetime of accuracy.



### **UML LEVERS**

Our UML Levers attach directly to your scope's magnification ring for faster, smoother turning.

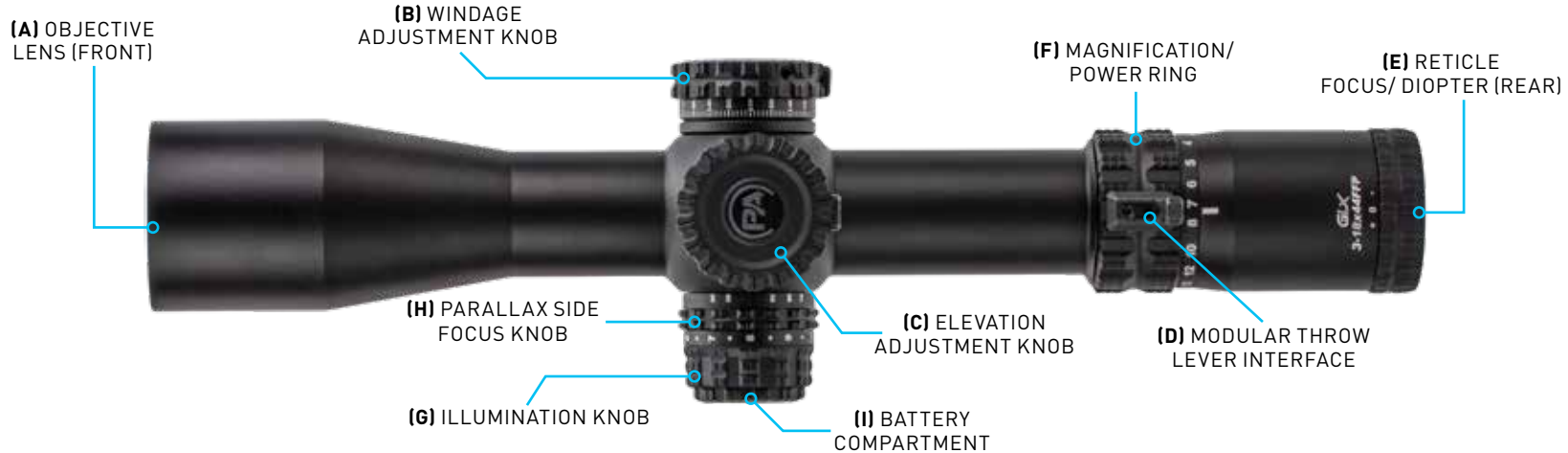


### **WATERPROOF**

Our Waterproof optics are sealed for reliable function, even when fully submerged in water.



**SCAN TO SEE MORE  
PRIMARY ARMS OPTICS  
FEATURES**



## HOW TO ACHIEVE A CLEAR RETICLE PICTURE

This rifle scope features an adjustable diopter. The diopter's position affects the focus of the reticle as you see it inside the scope.

Setting the diopter correctly is the critical first step to successful precision shooting.

1. Turn the power selector ring to its highest setting and point the scope at a bright, featureless background, such as blue sky or a blank white wall.

2. With your head in position behind the scope's ocular, look at the wall or sky. If you look through prescription glasses when shooting, wear them.

3. Close your eyes.

4. Open your eyes and look through the scope.

5. If the reticle appears blurry before sharpening, the diopter is not in its correct position. You must adjust the diopter ring and try again.

If the reticle appears sharp as soon as you look through the scope, the diopter is in its correct position. Many users will leave a witness mark at this position.

## HOW TO ADJUST PARALLAX

The Parallax Knob is on the left side of the scope, marked with ranges from 10 yards to infinity.

Adjusting the Parallax Knob eliminates parallax error at different ranges by bringing the reticle into the same focal plane as the target. Parallax error is most noticeable at high magnification.

To do this, follow the steps below.

1. Turn the Parallax Knob until the target appears to be in focus. This will get you close to the correct adjustment.
2. Looking through the scope at the target, move your head just slightly from side to side. If you lose the sight picture, you are moving too much.
3. Go slowly and see if the reticle appears to move relative to your target. A target that appears to be floating around the reticle as you move your head shows parallax error.
4. Turn the Parallax Knob counterclockwise if the target appears to move in the opposite direction of your head. Turn the Parallax Knob clockwise if the target appears to move in the same direction as your head. Move the Parallax Knob a small amount and re-check.
5. Once the reticle and target hold their positions as you move your head from side to side, parallax error is eliminated for targets at this range.

## **HOW TO SET RETICLE ILLUMINATION**

The Reticle Illumination Knob (G) on the left side of the scope has 10 settings. Between each setting, the 'OFF' setting can be used to save battery when not in-use.

The cap unscrews counterclockwise, holding a CR 2032 battery with the positive (+) side facing towards the cap.

Reticle bleed-out, abnormalities, and small imperfections may be visible when viewed indoors or in low light conditions at the brightest settings. This is a normal result of the reticle etching process. Abnormalities at these settings will not

be visible when viewed in daylight conditions. Using the brightest settings in low-light situations will overpower your eye's ability to see the target and make the reticle appear distorted.

The right amount of illumination creates a clear contrast between the reticle and your intended target, without straining the eye.

## **HOW TO ESTABLISH ZERO**

Using a bipod or sandbags, preferably on a bench or in the prone position, turn the Power Ring to a high magnification to see your point of impact as clearly as possible.

Turn the Elevation Turret counterclockwise to bring the point of impact up (if your shots hit below the aiming point). Turning clockwise will lower the point of impact (if your shots are hitting above the aiming point).

Turn the Windage Turret counterclockwise to bring the point of impact right (if your shots hit to the left of the aiming point). Turning clockwise will shift the point of impact to the left (if your shots hit to the right of the aiming point).

With the optic zeroed, you can reset the windage and elevation turrets by following the instructions on the next page.

## RETURN-TO-ZERO AND AUTO LOCKING TURRET CONTROLS

The innovative and patented turret design of the GLx scopes feature Auto Locking and Return-to-Zero technology. Each turret automatically locks in the zero position and unlock again easily with the push of a button. The windage turret will lock at zero at every complete rotation. The elevation turret, once unlocked from zero, will spin freely up to four rotations. Rotation indicators help you keep track of where you're at. Spin the turret down and it will stop and lock back at the zero you set, making it easy to return to your designated zero after adjusting for a firing solution. At zero, depress the button and you'll have 4 to 5 clicks of adjustment below your zero. All

the turret's internal components are mechanically fit together – no adhesives or epoxy. The click rings are made with a hardened steel-on-steel construction, so the clicks will be crisp, audible, and tactile for the life of your scope and tracking is incredibly precise.

Your Primary Arms GLx Rifle Scope is shipped to you with its reticle centered within the scope tube. This is called "optical zero". This factory-set position does not represent the mechanical center of your turret's available travel. See your scopes specifications for total turret travel in Minute of Angle measurements. Also, this does not mean you can expect it to be

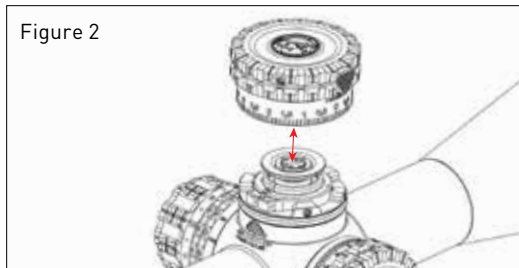
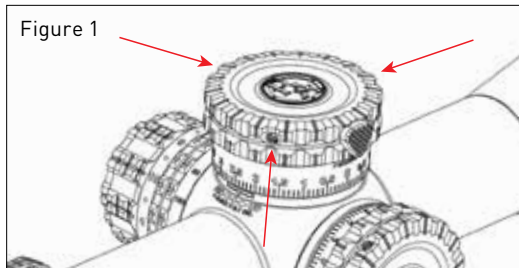
zeroed properly as soon as it's mounted to your rifle. When you first mount your GLx scope, the elevation turret's ability to travel below the reticle's factory-set position will be blocked by the Return-to-Zero system. If you are using a canted mount or your shooting application requires a zero that is below the factory-set position of the reticle within rifle scope, the internal Return-to-Zero system will need to be adjusted downward to allow for proper zeroing. To adjust your elevation Return-to-Zero and Auto Locking downward, or to the lowest limit of travel, please follow the steps outlined in step 3 below.



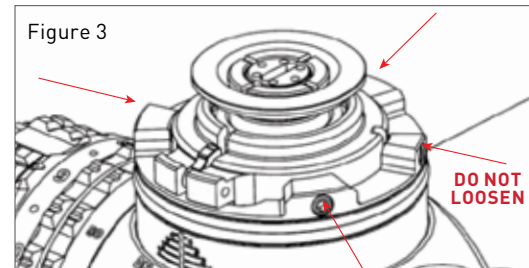
To adjust windage or elevation point of aim from the factory-set reticle position, press the locking button on the turret and turn. This button only needs to be pressed to adjust the turret out of the Auto Locked position, not for every adjustment. This button will only lock at the zero position and will lock automatically.

## SETTING YOUR ELEVATION AUTO LOCKING/RETURN-TO-ZERO (UPWARDS FROM FACTORY-SET POSITION)

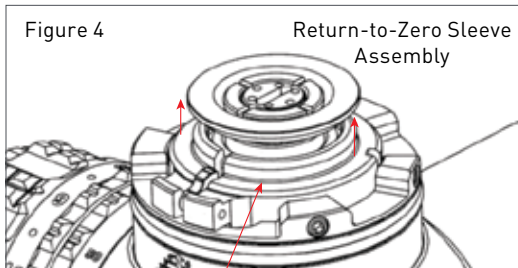
1. After zeroing your rifle at the desired yardage, use the 1.5mm Allen Key provided to loosen (counterclockwise) the three elevation turret cap set screws, about 4 to 5 turns, as shown in Figure 1. **You do NOT need to completely remove these screws!**
2. Remove the turret cap assembly by pulling straight up on the turret cap as shown in Figure 2.



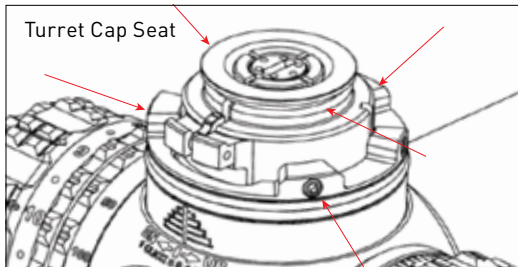
3. Loosen the three Auto Lock sleeve set screws using the 1.3mm Allen key provided as shown in Figure 3. You do NOT need to completely remove these screws! **WARNING: Do not loosen or remove the slotted set screw shown in Figure 3.**



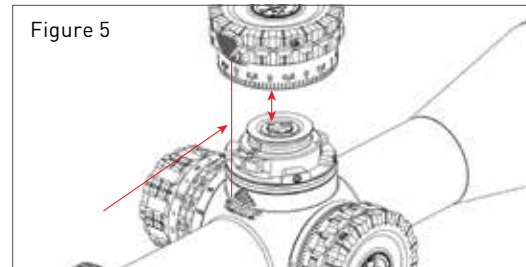
1. Slide the red Return-to-Zero sleeve assembly upwards until it stops against the turret cap seat. Tighten the three Auto Lock sleeve set screws using the 1.3mm Allen key as shown in Figure 4. Recommended tightening torque is 4 in-lb. Do not over-tighten. **NOTE: The distance shown between the Return-to-Zero sleeve and turret seat is for illustration purposes; your distance may vary and could be very small depending on zeroing position and GLx model.**



2. Re-install the turret cap at the zero position with the zero (-0-) indicator aligned with the indicator line on the rotation indication tree on the scope body, as shown in Figure 5. The cap should be locked in place on the Auto Lock system. Re-tighten the turret cap set screws using the 1.5mm Allen key provided. Recommended tightening torque is 8 in-lbs. **Do not over-tighten.**

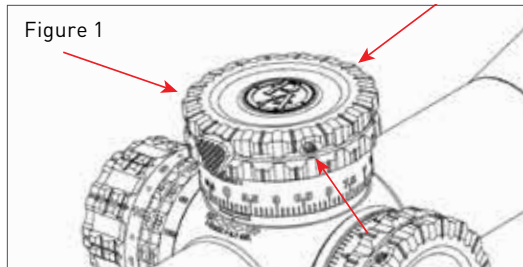


3. That's it! Please be aware that if you depress the Auto Lock button on the cap and turn the cap clockwise (elevation down), you will have 4 clicks of adjustment below zero. This is on purpose. **WARNING: Never reinstall the elevation turret cap not in the zero position and/or without the turret cap seat and Return-to-Zero sleeve touching.** This will cause a misalignment and mispositioning between the turret cap lock feature and the Auto Lock or Return-to-Zero sleeve.

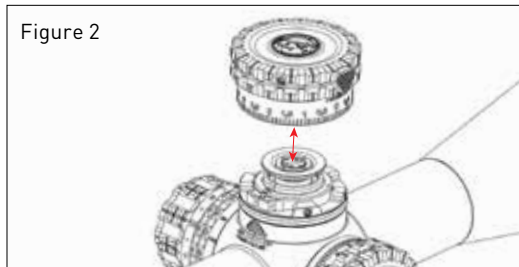


## SETTING YOUR ELEVATION AUTO LOCK AND RETURN-TO-ZERO (DOWNWARD, BELOW THE FACTORY-SET POSITION)

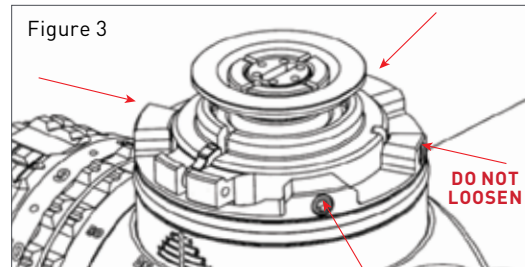
1. Use the 1.5mm Allen Key provided to loosen the three turret cap set screws, counterclockwise about 4 to 5 turns, as shown in Figure 1. **You do NOT need to completely remove these screws!**



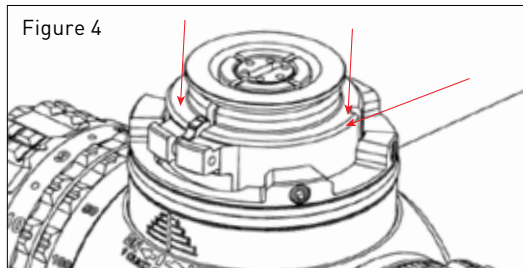
2. Remove the turret cap assembly by pulling straight up on the turret cap as shown in Figure 2.



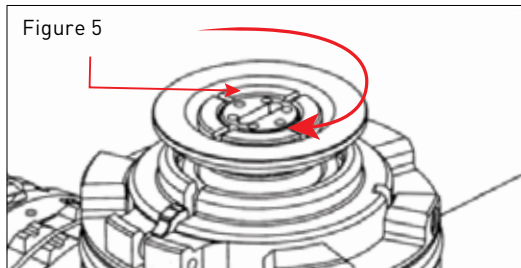
3. Loosen the three Auto Lock sleeve set screws using the 1.3mm Allen Key provided as shown in Figure 3. You do NOT need to completely remove these screws! **WARNING: Do not loosen or remove the slotted set screw shown in Figure 3.**



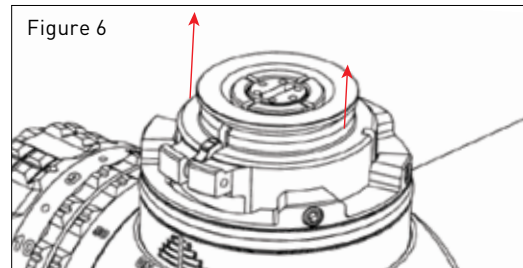
1. Slide the red Return-to-Zero sleeve assembly down until it stops against the Return-to-Zero sleeve seat as shown in Figure 4.



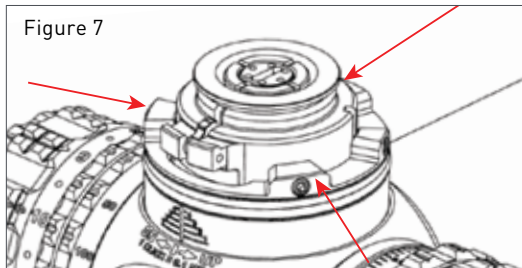
2. Using a flat-head screwdriver, adjust the turret cap seat counterclockwise to the desired zero or to the bottom of travel as shown in Figure 5.



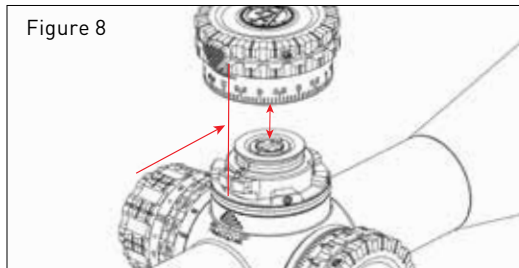
3. Slide the red Return-to-Zero sleeve assembly up until it stops against the turret cap seat as shown in Figure 6.



4. Tighten the three Return-to-Zero sleeve set screws using the 1.3mm Allen Key as shown in Figure 7. Recommended tightening torque is 4 in-lb.  
**Do not over-tighten.**



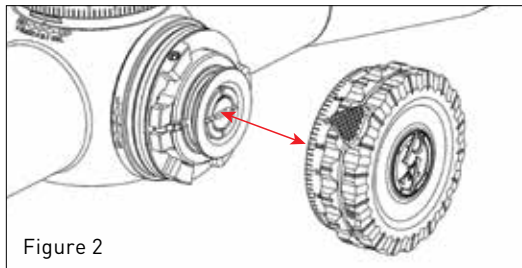
5. Re-install the cap at the zero position with the zero indicator (-0-) aligned with the indicator line on the rotation indication tree on the scope body as shown in Figure 8. The cap should be locked in place on the Auto Lock system. Re-tighten the turret cap set screws using the 1.5mm Allen Key provided. Recommended tightening torque is 8 in-lbs.  
**Do not over-tighten.**



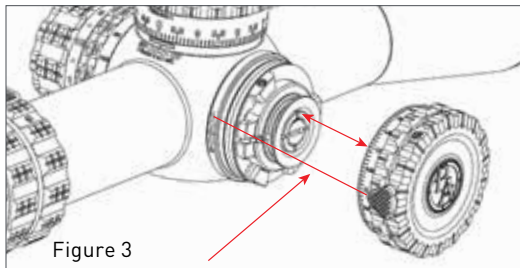
**That's it!** Your Return-to-Zero has now been adjusted to a position lower than the factory-shipped optical zero. Please be aware that if you depress the Auto Lock button on the cap and turn the cap clockwise (elevation down), you will have 4 clicks of adjustment below zero. This is on purpose to allow for a minor adjustment of zero in the downward position if necessary. **WARNING: NEVER reinstall the elevation turret cap in a position that is not the zero position and/or without the turret cap seat and Return-to-Zero sleeve touching.** This will cause a misalignment or mispositioning between the turret cap lock feature and the Auto Lock or Return-to-Zero sleeve.

## SETTING WINDAGE ZERO (UPWARDS FROM FACTORY-SET POSITION)

1. After zeroing your rifle at the desired yardage, use the 1.5mm Allen Key provided to loosen the three windage turret cap set screws by rotating them counterclockwise about 4 to 5 turns. **You do NOT need to completely remove these screws!**
2. Remove the windage turret cap assembly by pulling straight out on the turret cap as shown in Figure 2.



3. Re-install the cap at zero position with the zero indicator (-0-) aligned with the zero indicator line on the rotation indicator on the scope body as shown in Figure 13. The cap should be locked in place on the Auto Lock system. Re-tighten the turret cap set screws using the 1.5mm Allen Key provided. Recommended tightening torque is 8 in-lbs.



**That's it!** Your windage Auto Lock is ready to go!  
**NOTE: No adjustment or loosening is required on any internal components of the windage turret assembly.**

## GLx 3-18x44 FFP RIFLE SCOPE SPECIFICATIONS

Focal Plane: First Focal Plane	FOV @ 3x / 100 yards: 36.7 ft	Eye Relief: 3.5 inches
Magnification: 3x (low) - 18x (high)	FOV @ 18x / 100 yards: 6.1 ft	Exit Pupil: 2.4 mm (low) - 9.3 mm (high)
Total Windage Adjustment: $\geq$ 34.9 MRAD	Objective Lens Diameter: 44 mm	Tube Diameter: 34 mm
Total Elevation Adjustment: $\geq$ 52.4 MRAD	Click Value: 0.1 MRAD	Illumination Settings: 10
Length (w/o Lens Covers): 13.66 inches	Weight (with battery, without lens covers): 29.6 oz	Battery: 3v CR 2032 (included)
		Warranty: Lifetime Warranty

## LENS CARE

Please do not use any organic solvent such as alcohol or acetone on your scope. First, blow dust or any foreign objects off of the lens. Then, use a soft cotton or microfiber lens cloth to clean any fingerprints

or smears off the lens. Alternatively, you may use a piece of professional lens paper for further cleaning, if necessary.

## REMEMBER: THE FOUR RULES OF FIREARMS SAFETY

1. Treat every firearm as if it were loaded.
2. Never let your muzzle cover anything you are not willing to destroy.
3. Keep your finger off the trigger until your sights are on target.
4. Be sure of your target and what is behind it.



**WARNING:** Always ensure your firearm is unloaded (chamber empty and magazine removed) before installing optics or accessories.



**WARNING:** Improper installation of firearm parts or accessories may result in death or serious personal injury.  
If you are not properly trained in the installation of these parts, have them installed by a gunsmith or armorer.



## **WARNING**

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **INTERNAL CHEMICAL BURNS** in as little as **2 HOURS**.
- **KEEP** new and used batteries **OUT OF REACH OF CHILDREN**.
- **SEEK IMMEDIATE MEDICAL ATTENTION** if a battery is suspected to be swallowed or inserted inside any part of the body.



- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries. Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

**WEAPON****DATE****SHOT NO.****DIRECTION/DEFLECTION****ELEVATION****RANGE****AMMO****DESCRIPTION**

<b>SHOT NO.</b>	<b>DIRECTION/DEFLECTION</b>	<b>ELEVATION</b>	<b>RANGE</b>	<b>AMMO</b>	<b>DESCRIPTION</b>

**NOTES:**

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## LIFETIME WARRANTY

Your Primary Arms GLx 3-18x44 FFP Rifle Scope is covered by the Primary Arms Lifetime Warranty. If a defect due to materials or workmanship, or even normal wear and tear has caused your product to malfunction, Primary Arms will either repair or replace your product. You can find more details about our lifetime warranty at [www.primaryarmsoptics.com](http://www.primaryarmsoptics.com).

Email: [info@primaryarmsoptics.com](mailto:info@primaryarmsoptics.com)

Toll-free at 855-774-2767

[www.primaryarmsoptics.com](http://www.primaryarmsoptics.com)



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