



GLX[®] 4.5-27x56

**FIRST FOCAL PLANE
SCOPE 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, email us at 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 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.*

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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.

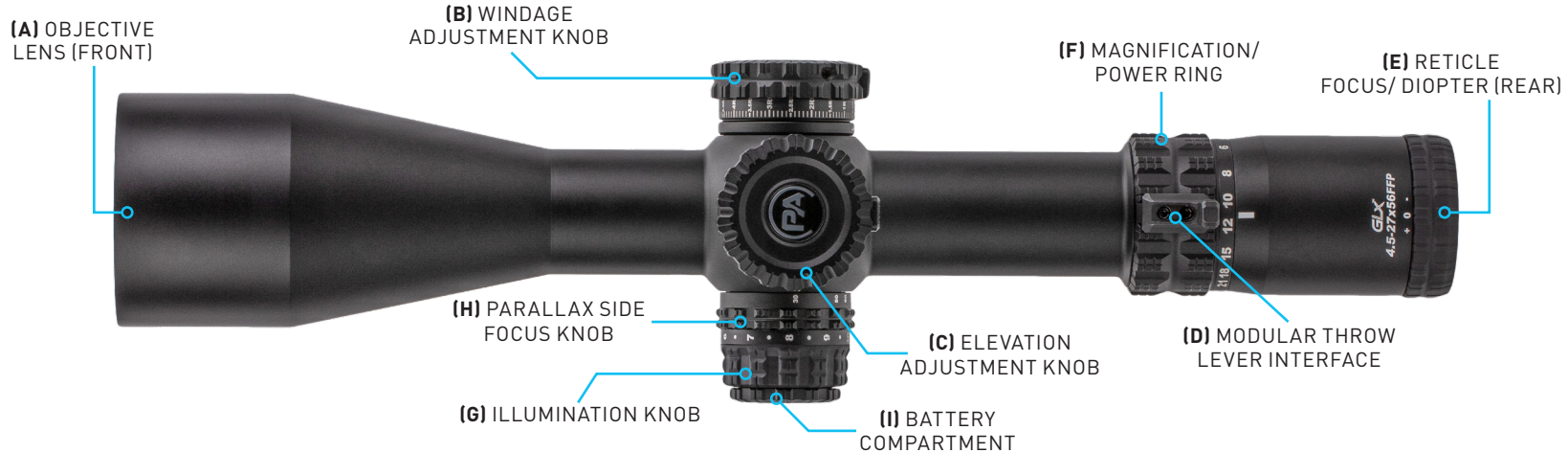
2. With your head in position behind the scope's ocular, look at the wall or sky. If you look through prescription glasses when shooting, wear them.

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 CR2032 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.

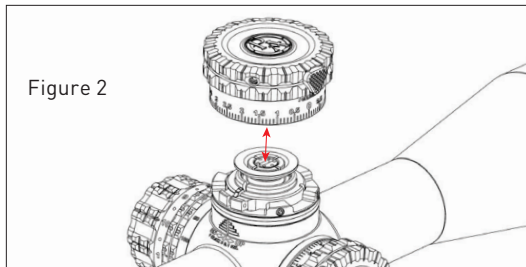
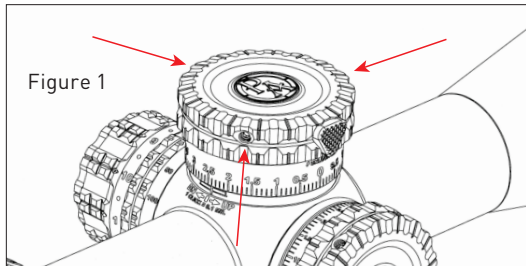
Your Primary Arms GLx Rifle Scope is shipped to you with its reticle centered within the scope tube. This is called “optical zero”. This factory-set position does not represent the mechanical center of your turret's available travel. See your scopes specifications for total turret travel in Minute of 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.

1. 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.

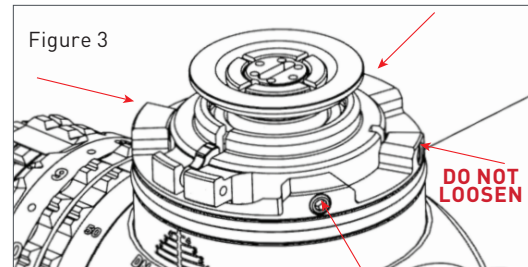
2. Setting your Elevation Auto Locking/Return-to-Zero (Upwards from Factory-set position)

A. After zeroing your rifle at 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!**

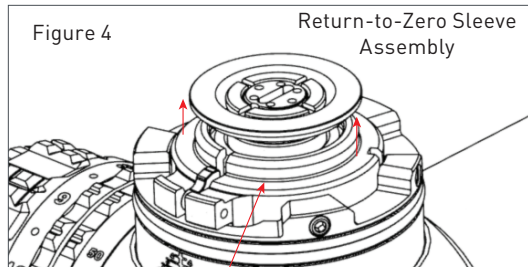


B. Remove the turret cap assembly by pulling straight up on the turret cap as shown in Figure 2.

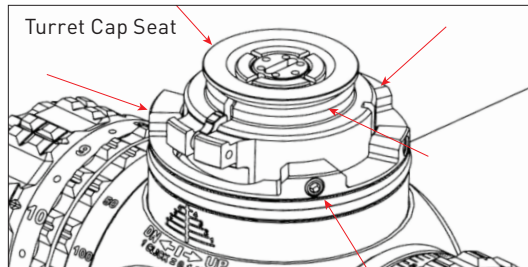
C. Loosen the three Auto Lock sleeve set screws using the 1.3mm Allen key provided as shown in Figure 3. You do NOT need to completely remove these screws! **WARNING: Do not loosen or remove the slotted set screw shown in figure 3.**



E. 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.**

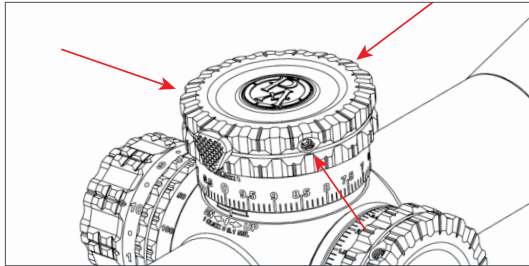
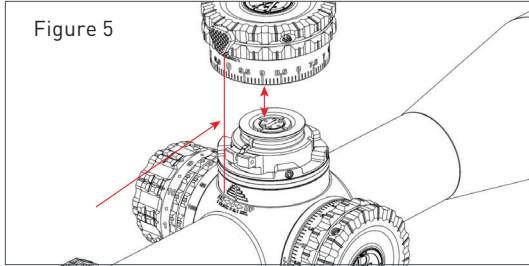


F. Slide the red Return-to-Zero sleeve assembly upwards until it stops against the turret cap seat. Tighten the three Auto Lock sleeve set screws using the 1.3mm Allen key as shown in Figure 4. Recommended tightening torque is 4 in-lb. Do not over tighten. **NOTE: The distance shown between the Return-to-Zero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



G. 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, 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.**

Figure 5



G. 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.

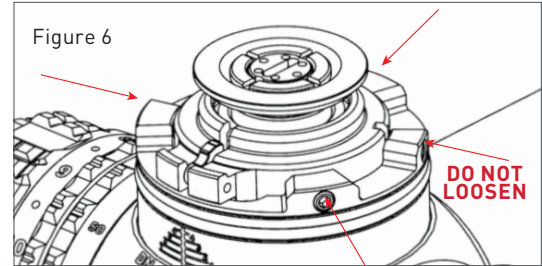
3. Setting your elevation Auto Lock and Return-to-Zero (Downward, below the factory-set position).

a. 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 2. You do NOT need to completely remove these screws!

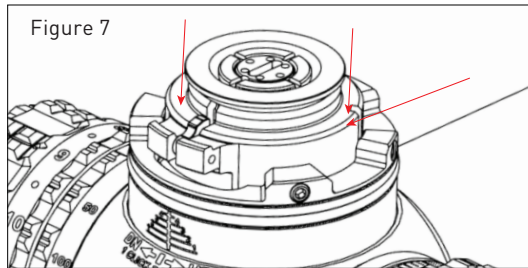
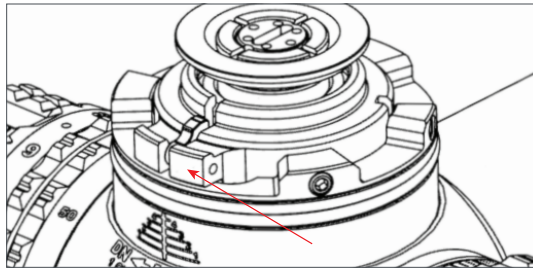
b. Remove the turret cap assembly by pulling straight up on the turret cap as shown in Figure 3.

c. Loosen the three Auto Lock sleeve set screws using the 1.3mm Allen Key provided as shown in Figure 7. You do NOT need to completely remove these screws!

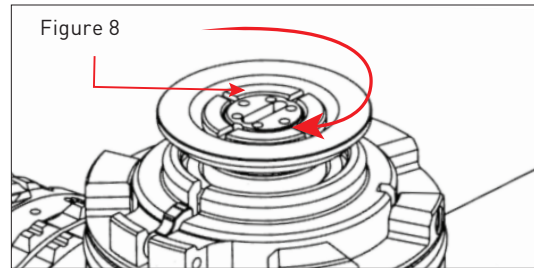
WARNING: Do not loosen or remove the slotted set screw shown in Figure 6.



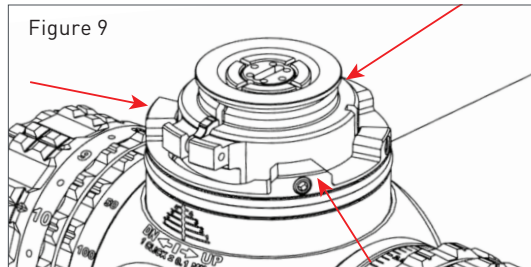
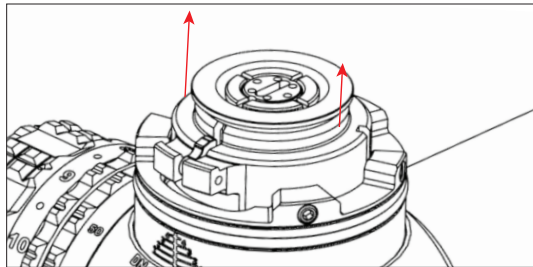
d. Slide the red Return-to-Zero sleeve assembly down until it stops against the Return-to-Zero sleeve seat as shown in Figure 7.



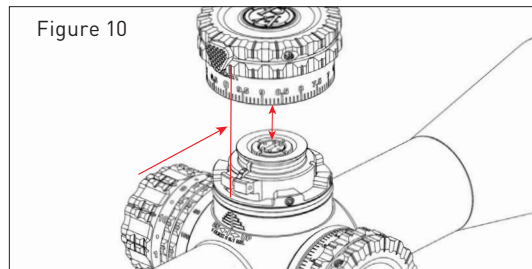
e. Using a flat-head screwdriver, adjust the turret cap seat counterclockwise to the desired zero or to the bottom of travel as shown in Figure 8.



- f. Slide the red Return-to-Zero sleeve assembly up until it stops against the turret cap seat and tighten the three Return-to-Zero sleeve set screws using the 1.3mm Allen Key as shown in Figure 9. Recommended tightening torque is 4 in-lb. **Do not over-tighten.**



- g. 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 6. 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.



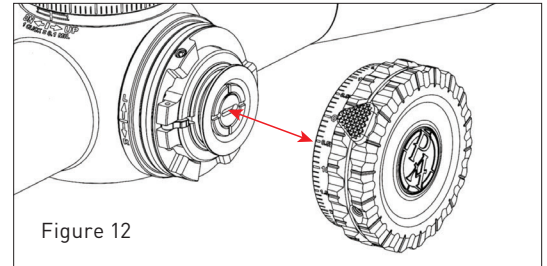
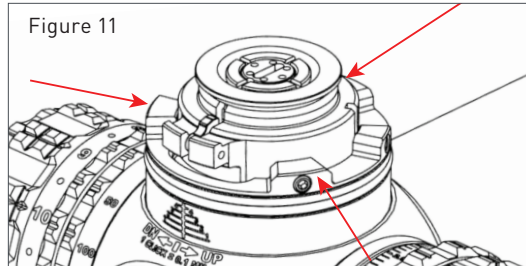
h. That's it! Your Return-to-Zero has now been adjusted to a position lower than the factory-shipped optical zero. Please be aware that if you depress the Auto Lock button on the cap and turn the cap clockwise (elevation down) you will have 4 clicks of adjustment below zero. This is on purpose to allow for a minor adjustment of zero in the downward position if necessary.

WARNING: NEVER re-install 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.

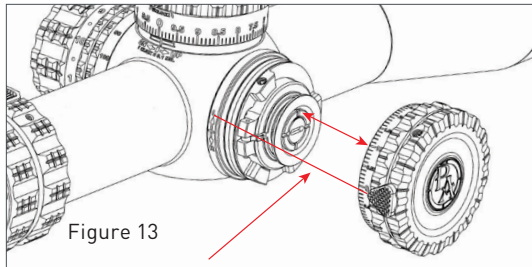
4. Setting windage zero

a. After zeroing your rifle at 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, as shown in Figure 11. You do NOT need to completely remove these screws!

b. Remove the windage turret cap assembly by pulling straight out on the turret cap.



- c. 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.






- d. That's it! Your windage Auto Lock is ready to go! **Please note, no adjustment or loosening is required on any internal components of the windage turret assembly.**

GLx 4.5-27x56 FFP RIFLE SCOPE SPECIFICATION

Focal Plane: First Focal Plane	FOV @ 4.5x / 100 yards: 24.6 ft	Eye Relief: 3.5 inches
Magnification: 4.5x (low) - 27x (high)	FOV @ 27x / 100 yards: 4 ft	Exit Pupil: 2 mm (low) - 9.3 mm (high)
Total Windage Adjustment: ≥ 24.4 MRAD	Objective Lens Diameter: 56 mm	Tube Diameter: 34 mm
Total Elevation Adjustment: ≥ 34.9 MRAD	Click Value: 0.1 MRAD	Illumination Settings: 10
Length (w/o Lens Covers): 14.45 inches	Weight (with battery, without lens covers): 33.15 oz	

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.

-  **WARNINGS:** Always ensure your firearm is unloaded (chamber empty and magazine removed) before installing optics or accessories.
-  **WARNINGS:** 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:** This product contains a Button or Coin Cell Battery. A swallowed Button or Coin Cell Battery can cause internal chemical burns in as little as two hours and lead to death. Dispose of used batteries immediately. Keep new and used batteries away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

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.

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

NOTES:



LIFETIME WARRANTY

Your Primary Arms GLx 4.5-27x56 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.

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For more information on these optics, go to:

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