



# NIGHTFORCE®

## Compact NXS ZeroStop™ and Windage Limiter™ Instructions

The **ZeroStop™** and the **Windage Limiter™** options for the compact NXS models prevent you from inadvertently losing your zero, by limiting the turret travel. Once the desired zero has been established, regardless of the position of the turrets, returning them to the “0” on the number scale will guarantee that you are back to your original setting.

You can set the stop at any zero/range you prefer as described below. You may quickly return to the elevation zero point by moving the elevation turret down (clockwise) until it stops. The windage turret can be returned to your pre-established zero point by turning it clockwise or counter clockwise depending on its current position, until the “0” on the number scale is aligned with the index mark on the turret body.

Bore sighting is recommended before doing a live fire zero. To zero your riflescope, follow the steps outlined below.

### CAUTION!

*At some point in the zeroing process, you may reach the travel limit of the elevation or windage turret mechanisms, which is not the same as the stops from the ZeroStop™ or Windage Limiter™. Do NOT force the turret or damage may occur.*

**Note:** The “0” on the turret number scales is indicated by the Allen head set screw. See Figure 2. If you do not have a 5 inch pound torque driver, hold the Allen wrench provided with the scope, by the short end using only your thumb and finger to prevent over tightening. See Figure 1. (Do not remove the set screws).

### CAUTION!

*The riflescope is NOT waterproof with the turret dials removed. Do NOT allow water or foreign material to accumulate on the exposed turret components. Do NOT remove the grease or O-rings found on the inside of the turret assembly and under the Turret set screw.*



Figure 1

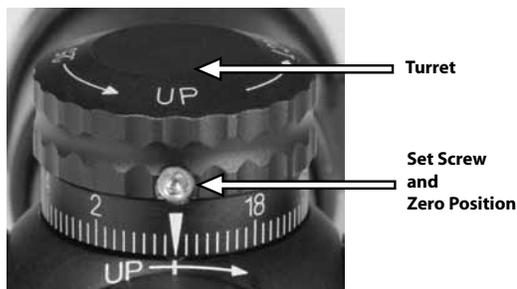


Figure 2

### 1-4x NXS

The 1-4x NXS elevation **ZeroStop™** allows one full revolution up from the zero-stop point. The **Windage Limiter™** allows ½ of a revolution in either direction from the zero position.

1. Use the elevation and windage turrets to zero the riflescope at the desired range. If you need additional travel than the stops will allow, loosen the set screw on the turret ¼ turns and rotate the knob in the opposite direction from which the stop was engaged until you hit the stop point. See Figure 2. While holding it against the stop, retighten the set screw to 5 inch pounds. You should not feel any clicks when making this adjustment. If you do, the set screw is too tight. Continue with the zeroing process and repeat as necessary to gain additional turret travel.

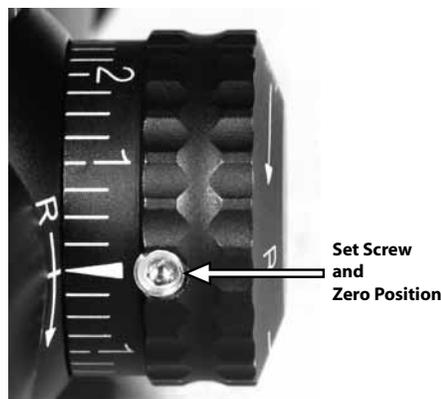


Figure 3

2. Once your desired zero has been achieved, loosen the set screw again ¼ turns and turn each turret until the “0” is aligned with the index mark on the scope body.
  - a. The elevation turret will hit the stop and will not move clockwise beyond the “0” on the number scale when turned clockwise with the set screw loose.
  - b. For the windage turret, you will need to visually align the “0” with the index mark on the scope body

because the stop position is ½ turn away from the zero position. See Figure 3.

3. With the turrets in the "0" position, apply downward pressure on the turret and tighten the set screw to 5 inch pounds. See Figure 2 and 3.

Your riflescope is now ready for use. If you change the load you may need to go through the zeroing process again to adjust for the new trajectory.

## 2.5-10x NXS

The 2.5-10 NXS elevation **ZeroStop™** allows full use of the available up elevation travel for longer target engagement distances. The **Windage Limiter™** allows ½ of a revolution in either direction from the established zero position.

**Note: The O-rings inside the turret assembly and under the turret set screw must remain in place and must be lubricated in order to maintain the waterproof integrity of the riflescope.**

1. Use the elevation and windage turrets to zero the riflescope at the desired range. If you need additional down travel for the elevation turret see 2.5-10x NXS step 2. To obtain additional windage turret travel, see 2.5-10x NXS step 4.
2. Remove the elevation turret by loosening the set screw 1 ¼ turns and remove it by turning it clockwise and lifting upward. See Figure 2.
2. Loosen the setscrew on the elevation **ZeroStop™** clutch assembly 1½ turns and reinstall the elevation turret, leaving the **ZeroStop™** clutch assembly set screw loose. Tighten the elevation turret set screw to 5 inch pounds. See Figure 4 and Figure 2.

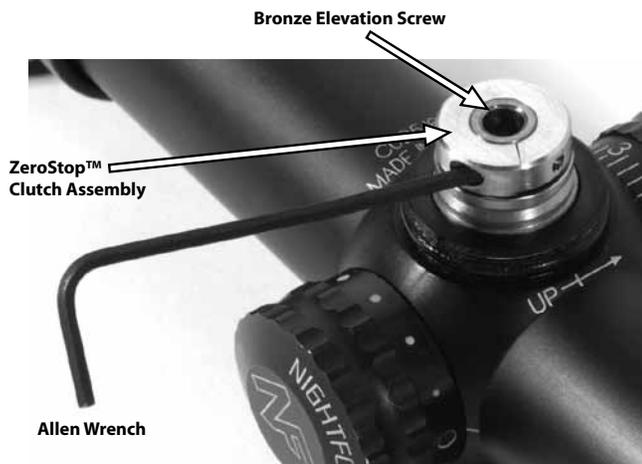


Figure 4

- 3 Depending on the position of the **ZeroStop™** clutch assembly, you may need to free up more downward elevation travel to obtain the desired zero. Follow sub steps a through c to obtain additional downward travel.

- a. Turn the elevation turret clockwise until you feel resistance or until the clutch assembly hits the stop shoulder. Do NOT force or damage may occur. Loosen the elevation turret set screw 1 ¼ turns and remove the elevation turret.

- b. Loosen the **ZeroStop™** clutch assembly set screw 1 ½ turns and rotate the clutch assembly clockwise until the bronze elevation screw is flush with the top of the clutch assembly. See Figure 4.

- c. Turn the clutch assembly three full revolutions clockwise and then retighten the clutch assembly set screw to 5 inch pounds. You should not feel any clicks when making this adjustment. If you do, the set screw is too tight.

4. If you need additional windage travel than the **Windage Limiter™** stop will allow, loosen the set screw on the windage turret 1¼ turns and rotate the knob in the opposite direction from which the stop was engaged, and then retighten the setscrew to 5 inch pounds. You should not feel any clicks when making this adjustment. If you do, the set screw is too tight. See Figure 3.

5. Once your desired zero has been achieved, loosen the set screw on the elevation turret and remove the turret. Loosen the setscrew on the elevation **ZeroStop™** clutch assembly 1 ½ turns and turn the assembly counterclockwise until it stops against the stop shoulder. See Figure 5. You should not feel any clicks when performing this adjustment. If you do the **ZeroStop™** clutch assembly set screw is too tight. While holding the **ZeroStop™** clutch assembly against the stop shoulder in a counterclockwise direction, tighten the set screw to 5 inch pounds. See Figure 4 and 5.

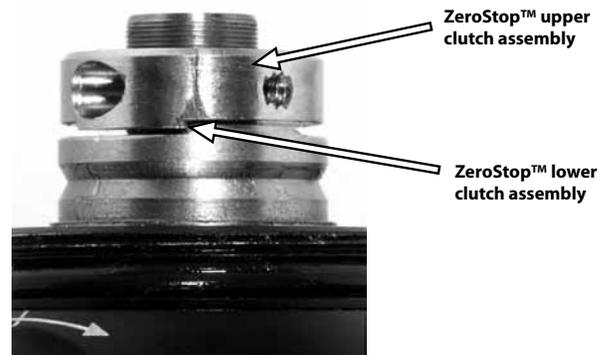


Figure 5

6. Reinstall the elevation turret and align the "0" on the turret number scale with the reference mark on the scope body. With downward pressure applied, tighten the set screw on the elevation turret to 5 inch pounds. See Figure 2.

7. Loosen the set screw on the windage turret 1¼ turns. Visually align the "0" on the turret number scale with the index mark on the scope body for the windage turret. With the number scale in the "0" position, apply downward pressure to the turret and tighten the set screw to 5 inch pounds. See Figure 3.

Your riflescope is now ready for use. If you change the load you may need to go through the zeroing process again to adjust for the new trajectory.

Please visit [www.nightforceoptics.com](http://www.nightforceoptics.com) for additional information about your riflescope.

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