



# NIGHTFORCE® ZeroStop<sup>®</sup>

## 2.5-10x NXS™ ZeroStop<sup>®</sup> Instructions

### For riflescopes equipped with the four-screw ZeroStop<sup>®</sup> adjustment

**CAUTION:** At some point in the zeroing process, you may reach the travel limit of the elevation or windage adjustment mechanisms, which is not the same as the stops from the ZeroStop<sup>®</sup>. Do NOT force the adjustment or damage may occur.

**CAUTION:** The rifle scope is NOT waterproof with the adjustment 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 adjustment set screw.

ZeroStop<sup>®</sup> is an optional feature for NXS™ riflescopes. Please confirm if your model is equipped with this option before proceeding with these instructions. ZeroStop<sup>®</sup> prevents you from inadvertently losing your zero, by providing a positive mechanical stopping point once it is properly set. When the desired zero has been established, regardless of the position of the adjustment, turning the elevation knob down to the ZeroStop<sup>®</sup> setting will guarantee that you are back to your original zero.

You can set the stop at any zero/range you prefer as described below. Once the ZeroStop<sup>®</sup> is set, you may quickly return to the zero point by moving the elevation adjustment down (clockwise) until it stops.

- 1. Prior to installing your Nightforce rifle scope or making any adjustments to the ZeroStop<sup>®</sup> feature, MAKE SURE FIREARM IS UNLOADED!**
- 2. REPEAT STEP # 1!**
- 3. After you have properly installed your rifle scope, you can then proceed to zero/sight-in your rifle.**
- 4. After you have determined the ammunition that performs best for your intended use and established the zero/sight-in, please follow the instructions that follow to set your ZeroStop<sup>®</sup>.**

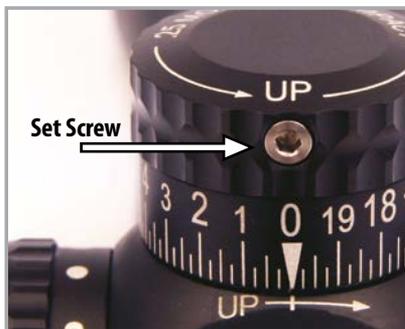


Figure A

### To set your ZeroStop<sup>®</sup>:

- A. If you would prefer detailed video instructions, and to see more advanced uses of your Nightforce ZeroStop<sup>®</sup>, please visit [www.NightforceOptics.com/videos](http://www.NightforceOptics.com/videos).
- B. Remove elevation adjustment cap by loosening the set screw 1½ to 2 turns, using the larger (5/64") Allen wrench provided in the box. Take care not to remove the screw entirely or lose it. See Figure A.
- C. Lift the cap upward with a slight twisting motion to remove it from the adjustment. You should feel slight resistance. Set the cap aside on a clean surface.  
Note: You should not feel any "clicks" during twisting motion. If you do, loosen the set screw an additional ½ turn.
- D. You have now exposed the ZeroStop<sup>®</sup> clutch assembly. **Take care to maintain the cleanliness of the inside of the cap and the clutch area.** Do not remove any of the lubricating grease.

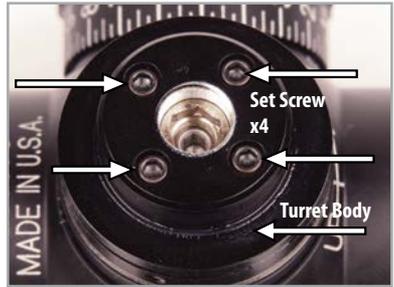
*continued on reverse*

- E. While holding the clutch assembly securely in place, loosen each of the four Allen head screws on the **ZeroStop**® clutch assembly 1½ to 2 turns counter-clockwise using the smaller (1/16") Allen wrench provided in the box. **DO NOT** remove the screws from the clutch assembly. See Figure B.
- F. To set the **ZeroStop**® clutch assembly, rotate the upper clutch face downward/clockwise until it stops against the lower clutch face. See Figure C.

Note: You should not feel any "clicks" or resistance while making this adjustment.

- G. While holding the clutch mechanism in position, tighten the four Allen head screws on the clutch assembly evenly in an "X" pattern, using the smaller (1/16") Allen wrench provided in the box. **Do not over-tighten the screws as this can damage the clutch assembly.** Tighten one screw until you feel slight resistance, then move to the next screw in the "X" pattern. Continue to do the same for all four screws. Once all screws have been tightened to that point, repeat the same pattern, tightening all to 4 inch-pounds. If you do not have the appropriate torque driver, then use the 1/16" Allen wrench, holding the short end of the Allen wrench with your thumb and forefinger. This will provide sufficient torque. See Figure D.

- H. To reinstall the adjustment cap, center it over the adjustment body, and press down lightly while turning the cap clockwise until it moves into position. Keep downward pressure on the cap as it may tend to move up due to the compressed air resistance created by the O-ring seal. Align the "0" index mark on the engraved scale of the cap with the center line on the scope body and tighten the set screw to 4 inch-pounds. If you do not have the appropriate torque driver, then use the 5/64" Allen wrench, holding the short end of the Allen wrench with your thumb and forefinger. This will provide sufficient torque (Do not remove the set screw.)



**Figure B**



**Figure C**



**Figure D**



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Visit [NightforceOptics.com/videos](http://NightforceOptics.com/videos) for a step-by-step video tutorial on this process and advanced setting methods to maximize the performance of your **ZeroStop**®-equipped Nightforce riflescope.