

INSTALLATION INSTRUCTIONS – LONG GUNS

PLEASE READ AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS BEFORE INSTALLATION AND/OR USE!

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All firearms are classified as danger weapons. Injury or death may result from unsafe or improper use. Before installing or adjusting your Advantage Tactical Sight or shooting any firearm, understand and be mindful of responsible firearm ownership and usage. If do not have a firearm manual, one can be obtained from the firearm manufacturer. It is recommended that you seek the assistance of a reputable gunsmith for the installation of this sight. WrenTech Industries, LLC or its owners or agents will not be held responsible for the result of unauthorized repairs and/or adjustments, faulty installation or careless, unreasonable, unsafe firearms use, or personal or property damage of any kind.

PLEASE REFER TO THE NRA WEBSITE FOR A COMPREHENSIVE REVIEW OF FIREARMS SAFETY: <http://www.mynra.com/>

- Always treat a firearm as if it were loaded
- Be sure your firearm is unloaded before making adjustments or installation
- Never take anyone's word that a firearm is unloaded
- When a firearm is handed to you, always check that it is unloaded
- Always keep the muzzle pointed in a safe direction
- Never point a firearm at an unintended target
- Never put your hand over the muzzle of a firearm
- Always keep your finger(s) off the trigger and outside the trigger guard until aiming at your target and ready to shoot
- Do not drop your firearm. Unload any dropped firearm and have a qualified gunsmith examine it for damage and proper mechanical functioning
- Before shooting, make sure of your target and backdrop

- Always keep your firearm unloaded until you intend to shoot
- Firearms, alcohol, drugs, and certain medications do not mix. Vision, coordination, and judgment may be impaired. Seek your doctor's advice about shooting when taking any medication
- Always wear protective eyewear when shooting
- Always wear hearing protection when shooting

REQUIRED TOOLS:

1/16 and 7/64 hex keys (included); 3/16 punch; small hammer; small pin punch; Blue lockite #242

SIGHT INSTALLATION INSTRUCTIONS: Sight installation by a professional gunsmith is preferred and recommended. Should you opt to install the sight yourself, PLEASE OPEN AND LEAVE OPEN ALL ACTIONS DURING THE INSTALLATION PROCESS.

TO INSTALL THE ATS UNIVERSEAL SHOTGUN SIGHT AND THE ATS UNIVERSEAL BULL BARREL SIGHT MOUNT: Remove barrel's current front sight. Loosen all setscrews on the rings of the mount. Slide the ringed mount over the barrel just behind the muzzle, or as far back behind the muzzle as personally preferable. Center the mount on the barrel and retighten the setscrews.*** Should you prefer the ring clamps to lock on the left side of the barrel, remove the rings from the mount, turn them around so that they will lock on the left side of the barrel, and reinstall them on the mount. The rings may be removed and repositioned anywhere along the mount, to accommodate barrel length and magazine clamp locations.

TO INSTALL THE ATS GUARDIAN SIGHT ON A PICATINNY/WEAVER MOUNT: When properly installed the GUARDIAN SIGHT sight-picture will be at an approximate 45 degree angle to the left or right side of the firearm, as viewed by the shooter, whether mounted to a top rail or on the hand guard rails. Loosen the set-screws on the sides of the clamp bar – the part that clamps the ATS GUARDIAN SIGHT to the rail. Place it on the rail and re-tighten the set-screws. The GUARDIAN SIGHT mount may be placed forward or rearward, or in a close, middle or extended position, by removing the set screws on the sight mount

and re-positioning it along the mount. When moving the GUARDIAN SIGHT to either the right or left of the firearm or to a hand guard or top mount position, remove the sight mount from the clamp bar, turn the sight mount in the desired direction and reinstall it to the clamp bar, and then re-attach the clamp bar to the rail. When the sight mount is installed to the right opposite side of the clamp bar screws, it is appropriate for right handed shooters using a top mounted ATS GUARDIAN SIGHT Sight and left handed shooters using a left side hand guard position for the ATS. When the sight mount is installed to the left opposite side of the clamp bar screws, it is appropriate for left handed shooters using a top mounted ATS GUARDIAN SIGHT and right handed shooters using a right side hand guard position. Usage of blue Loktite #242 is highly recommended for the final locking of the set screws.

WINDAGE ADJUSTMENT: Loosen the rear sight set screw and move the sight in the direction of the desired bullet impact. Re-tighten the screw when your windage adjustments have been completed.

ELEVATION ADJUSTMENT: MAKE SURE YOUR FIREARM IS UNLOADED. Loosen and remove the setscrew from underneath the front sight. To lower bullet impact, add the proper amount of shim between the front sight and the front sight base. To raise bullet impact, remove the proper amount of shim from between the front sight and the front sight base. We have two shim systems: one is pre-separated into .002", .004", .008", and .016" thicknesses; the other is a laminated .030" thick shim. It has 15 layers of .002" of shim layered and laminated together. A .030" laminated shim is installed with each shotgun and bull-barrel sight and mount, and extra separated shims are included with each sight package. The Guardian sight is shipped with approximately .030" of pre-separated shims in each sight package. To separate the layered laminated shims, heat the shim until the laminating compound breaks down, wait until it cools, then peel off each shim individually. Without heating, the laminated shims must be separated with a thin bladed tool. Whether using the pre-separated or laminated shim system, more than enough shims are included with each sight package. One may add or remove shims in increments of .002". When you have established the correct amount of shim for the

desired point of impact, re-insert and re-tighten the setscrew. Re-center the mount on the barrel. The usage of blue Loktite #242 is highly recommended for the final locking of set-screws. Take care not to damage the front sight set screw by over-tightening. Apply heat to loosen all locktite set-screws. **

COLOR CHANGES: For interchangeable rear and front sight inserts, carefully remove front or rear cross pin with a punch or pin no larger than .031" (1/32"). Try different color combinations and then re-insert the pins after selecting the desired color combination. Make sure all inserts are pressed fully into their respective cavities before re-installing the pins. Care in punch choice as well as in pin removal and re-insertion is necessary in ensure against pinhole damage. Do not fire live ammunition until holding pins have been re-inserted. Installing pins with blue Loktite #242 will create a semi-permanent installation. OUR NEWEST FRONT SIGHTS ARE ALL ONE PIECE. EACH FRONT SIGHT (5 IN EACH PACKAGE) IS ONE OF 5 DIFERENTLY COLORED FRONT SIGHTS. TO CHANGE FRONT SIGHT COLORS, SIMPLY REINSTALL THE DESIRED COLOR OF FRONT SIGHT.

SIGHT ALIGNMENT TIPS: Sight alignment should look just like our logo...upper edges of the front sight and rear sight aligned to create a pyramid. Bullet impact should be adjusted to hit at the very point of the front sight. Give yourself a few outings with your new sight and you will soon find it to align naturally.

For more information or technical questions, please visit our website
at <http://www.advantagetactical.com>
OR call us at (310) 316-6413

** ALL PICATINNY RAILS AND HOW THEY ARE MOUNTED ARE NOT THE SAME. IN THE RARE EVENT OF ZEROING ISSUES WITH YOUR GUARDIAN SIGHT, PLEASE CALL SO THAT WE MAY ASSIST IN ZEROING YOUR GUARDIAN SIGHT ON YOUR PARTICULAR RAIL.

***SHOULD YOUR SHOTGUN RINGS BE LOOSE AFTER PROPER TIGHTENING, PLEASE CALL AND REQUEST RINGS SHIMS THAT GO BETWEEN THE BARREL AND RINGS.