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SPORT & RECREATIONAL OPTICS

TACTICAL WEAPON RIFLE SCOPE INSTRUCTION MANUAL

STOP

PLEASE DO NOT RETURN THIS PRODUCT TO THE STORE!

If you need assistance, replacement parts or have questions regarding the warranty please contact BSA® Optics customer service:

Phone: 954-581-2144

(USA • Monday - Friday 8.30am - 5.00pm CST)

1700 N 2nd St, Rogers, AR 72756



BSA Tactical Weapon Rifle scopes are designed for military and law enforcement applications. One of the main features of BSA Tactical Weapon scopes is their ability to compensate for bullet trajectory by specific grain weight. Tactical Weapon Rifle scopes include (2) patented Tactical Finger Adjustable Turret Caps. Cap (1) compensates for the .223 cal. bullet with grain weights of 55, 62, and 69. Cap (2) compensates for the .308 cal. bullet with grain weights of 150, 168, and 180.

Each Tactical Weapon model scope includes: Hex Wrench and Micro Fiber Lens Cloth.

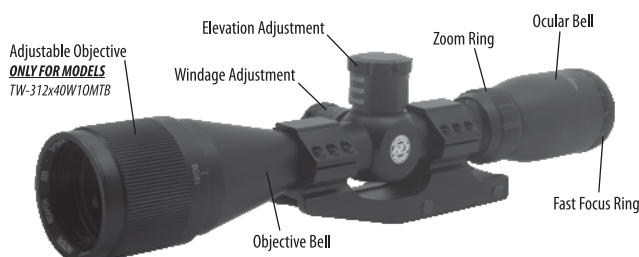
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⚠ CAUTION: DIRECT VIEWING OF THE SUN CAN CAUSE PERMANENT EYE DAMAGE. DO NOT ATTEMPT TO VIEW THE SUN WITH EITHER THIS PRODUCT OR THE NAKED EYE.

1. FOCUSING YOUR SCOPE

Tactical Weapon scopes are “fast focus” and the standard eye relief is 3.5”. The TW 3-12x40 W1PMTB has a zoom ring with corresponding magnification zoom increments. To increase the zoom power, turn the knob clockwise; to decrease zoom power, turn the knob counter-clockwise.



Hold the scope and look through the eye piece at a flat, featureless well lit area. The reticle should appear sharp and well defined. To make adjustments rotate the ocular bell focus in either direction. Look through the scope again. If the focus of the reticle has improved but is not perfect, continue to rotate in the same direction. If the condition has worsened, rotate the bell in the opposite direction.

⚠ CAUTION: BE SURE THAT THE FIREARM IS NOT LOADED. PRACTICE SAFE FIREARM HANDLING AT ALL TIMES.

2. MOUNTING

Tactical Weapon scopes have a 1-inch tube diameter. Depending on your rifle you will need to purchase the correct base diameter to insure proper fit of mount and rail. Using a rest or gun vise is highly recommended. (One-piece or two-piece mounting rings can be used.)

- Separate the upper and lower halves of your ring(s).
- Install the lower half of your ring(s) on the rifle rail.
- Set the scope in the cradle.
- Replace the tops loosely (do not tighten).

Position the scope as far forward as possible and rotate the elevation turret to be vertical. Slowly pull the scope backward until your full FOV (field of view) is visible and check to make sure the reticle is aligned both vertically and horizontally with the bore axis of the firearm.

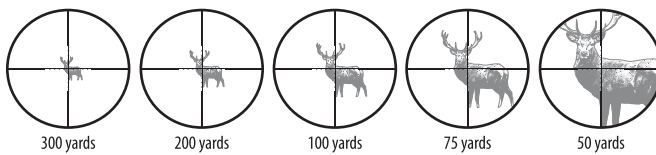
Once properly positioned, tighten the top halves of your ring(s) mount using a non-permanent thread lock.



⚠ CAUTION: BE SURE THAT THE FIREARM IS NOT LOADED. PRACTICE SAFE FIREARM HANDLING AT ALL TIMES.

3. PRE-ZEROING

Locate an appropriate location to fire your rifle and set up a target at a distance of 100 yards from your shooting location. You should use a comfortable gun rest to eliminate as much human error as possible. Make certain the rifle is empty with no cartridge in the chamber and the breech open. Rotate the parallax ring to 100 yards.



For windage adjustment turn clockwise to move the point of impact right, and counterclockwise to move the point of impact left.

For the elevation adjustment turn clockwise to lower the point of impact and counterclockwise to raise the point of impact. (See #5. Bullet Compensation)

Using a boresighter: Follow the instructions that came with your boresighter and install the boresighter in the muzzle of your rifle, lining it up with the scope as close as possible. Looking through the scope as though you were going to shoot, you should see (2) two sets of crosshairs. One set is a plain crosshair (this is the one in the scope itself) and another set which is graduated or on a grid (this is the one in the boresighter). These crosshairs should line up with each other vertically, horizontally and in complete alignment. If the vertical and horizontal crosshairs are not parallel with each other, adjust the boresighter in the direction it needs to turn in order to achieve this.

Make sure the crosshairs cross or meet at precisely the same location. Proceed to adjust your scope right, left, up, or down until the crosshairs match. **Remove the boresighter from the muzzle.**

⚠ CAUTION: BE SURE THAT THE FIREARM IS NOT LOADED. PRACTICE SAFE FIREARM HANDLING AT ALL TIMES.

4. ZEROING

The next step is to test the ammunition. Two different manufacturers of ammunition will not necessarily group the same when fired from the same rifle. This may be one of the most important steps in sighting in any firearm and is the one that is most frequently omitted. **DO NOT** bypass this step.

- Holding the crosshairs steady on the target, squeeze off a round
- Repeat this two more times to get a 3-shot group.
- Retrieve your target and triangulate the shots to get an average point of impact. Measure from that POI to the bullseye where you aimed.
- This measurement can now be adjusted by simply turning the windage and elevation turrets.
- The arrows on the dial show which direction they will move the bullet. Turn the adjusting screws according to the MOA scale on the dial.

The Tactical Weapon is 1/4 MOA, which means one click will move the bullet 1/4” at 100 yards. (Note, if you zero at a different yardage, say 50 yards, one click will move the bullet only 1/8” at 50 yards.) Once you have adjusted the windage and the elevation, you are now ready for another 3-shot group. Repeat this process until you are satisfied with the results.

Note: It is important to allow the barrel to cool down in between the 3-shot groups as heating of the barrel can cause bullet flight to vary. It is also recommended to swab the bore between shots with a dry patch to reduce buildup. **DO NOT** use any cleaning fluid or oil on the swab as this can affect bullet flight. If you are sighting in the firearm for hunting deer, you may want to adjust the elevation an inch or two above bulls eye at 100 yards. This will give your firearm extended range and still keep you in the kill zone at 100 yards and less. After zeroing, use the hex wrench provided to remove the windage and elevation drums and reposition them so that the (“0”) lines up with the indicator line on the spindle. Any further windage and elevation adjustments can be made more precisely by calculating the number of clicks from the zero point.

5. BULLET COMPENSATION

The Tactical Weapon Scope is designed using similar technology applied in other sniper trajectory compensation scopes. The elevation drum increments are precisely calculated to compensate for the elliptical drop of the .223 caliber bullet with grain weights of 55, 62 and 69, and the .308 caliber bullet with grain weights of 150, 168 and 180.

Once zeroed at 100 yards you can easily compensate for the trajectory of the bullet at any given distance between 100- and 500-yards by turning the elevation drum to the desired distance.

Both of the elevation turret caps have compensation markings for three specific grain weights. The dash mark annotating the distance click settings always faces the shooter directly when the scope is mounted.

.223 CALIBER TURRET CAP

.55gr.
.62gr.
.69gr.



Turret Caps are swapped by loosening this allen screw by turning counter clockwise and then gently pulling the cap off vertically.

6. MAINTENANCE

DO NOT ATTEMPT TO DISASSEMBLE OR CLEAN THE SCOPE INTERNALLY. IF THE SCOPE REQUIRES REPAIRS OR ADJUSTMENT, SEE WARRANTY CARD FOR INSTRUCTIONS.

Start by brushing away dust and dirt particles from the lenses of the scope. Using the included lens cloth designed to clean optical surfaces, brush dust or dirt particles away from the center of the lens toward the outside edges.

To remove minor smudges or fingerprints, start in the middle of the lens and use a circular motion to clean towards the outside edges of the lens. If more aggressive cleaning is needed, put a few drops of liquid lens cleaner on the cloth. Store the rifle scope in a moisture-free environment.

Note: Not all cloth material, such as a handkerchief, will remove smudges or fingerprints. Round fibers found in many cloth materials tend to spread smudges and fingerprints. Use cleaning tools specifically designed for rifle scope cleaning.

ONE (1) YEAR LIMITED WARRANTY

BSA® warrants this product to be free of original defects in material and workmanship for a period of one year. This warranty is not transferable and as such is limited to the original purchaser. This warranty applies only to goods purchased in the United States and Canada. BSA® will replace this product without charge for parts and labor contingent upon an inspection by BSA® that the product does not indicate a defect caused by tampering or disassembly, or any other warranty exclusion as listed within this returns policy.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. AS DEFINED BY FEDERAL LAW, THIS IS A LIMITED WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS OF IMPLIED WARRANTY, SO THIS LIMITATION MAY NOT APPLY TO YOU. IN THAT EVENT, ANY SUCH IMPLIED WARRANTY IS LIMITED TO THAT REQUIRED BY LAW. BSA® SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS OR OTHER ECONOMIC OR COMMERCIAL LOSSES. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. BSA® MAKES NO IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS (FOR A PARTICULAR PURPOSE). THE SOLE REMEDY PROVIDED IN THIS WARRANTY IS REPLACEMENT OF THE PRODUCT.

For Warranty

Product should be returned postage prepaid to the address provided in the general returns policy.

Charges For Out Of Warranty

If your product needs replacement, call Customer Service at (954) 581-2144 for replacement charge. We accept Visa and Mastercard. When paying by check or money order, please send with product. Attach to the product your name, street address (Not Post Office Boxes) and description of the problem. Package and send to BSA® Optics Service Center. Standard \$10.00 shipping and handling fee will apply for return shipping.

General Returns Policy

Refunds and Exchanges:

Consumer may receive a full refund or product exchange under the following conditions only:

- New, unused products purchased directly from BSA®
- Returned to BSA® within 30 days from date product was delivered to consumer.
- Product must remain in and contain all original packaging, manuals and accessories.
- All products must be in new unused, unopened, sellable condition.

All refunds are subject to condition of merchandise received by BSA®, and must comply with the return policy.

All Returns:

Shipping and Handling Fees: Consumer is responsible for all shipping fees to BSA®, Inc., as well as all return shipping fees after replacement. All shipping fees are nonrefundable.

Restocking Fees:

Items that are used, not in original packaging or otherwise not in new, sellable condition are subject to a minimum fifteen percent (15%) restocking fee.

DO NOT ATTEMPT TO DISASSEMBLE ANY ITEMS. ATTEMPTS TO CHANGE THE FUNCTION OR APPEARANCE OF ANY ITEM YOU PURCHASED FROM US WILL VOID THE WARRANTY AND YOUR RIGHT TO RETURN THE PRODUCT FOR A FULL REFUND.

Return Conditions:

All returns must include with the product:

- Your invoice with the product, the reason for your return, (exchange, refund, warranty) and your phone number on the back of that invoice.
- A clearly written note explaining the nature of the problem, including your name, address, and telephone number.
- A check or money order in the amount of \$10.00 to BSA® for return shipping and handling on all items.

Shipping Damage and Lost Packages:

- If an item arrives damaged as a result of shipping, we will be happy to exchange it for you. An insurance claim must be filed and has to be finalized before compensation is issued to the customer or product is replaced.
- Notify BSA® within 3 days of receipt for any damaged or missing merchandise to initiate a claim.
- DO NOT discard any packaging or paperwork to facilitate the investigation process if necessary.

Warranty and Non-Warranty:

- All lasers, red dot sights, scopes with electronic reticles or lasers, and pistol scopes carry a one (1) year limited warranty.
- Warranty includes parts and replacement of any factory defect of material or workmanship. A copy of your original sales receipt is required unless your warranty information has been registered. (If you are unable to provide a purchase receipt, standard replacement fees will apply)
- A check or money order to BSA® in the amount of \$10.00 is required for return shipping and handling on all items.
- Include with your product a detailed letter explaining the nature of the problem. Be sure to indicate your name, address, and telephone number. Allow six (6) weeks.
- In the event of a non-warranty replacement, you will receive an estimate prior to replacement. It is the customers' responsibility to ensure the safe return of any goods. We recommend you use a method of shipping that provides you with a tracking number and insurance options.

BSA® IS NOT LIABLE FOR ANY DAMAGED, LOST OR STOLEN MERCHANDISE DURING SHIPPING.

WARRANTY EXCLUSIONS:

WARRANTY ONLY APPLIES TO DEFECTS THAT OCCUR WITHIN NORMAL USE OF THE PRODUCT.

WARRANTY SPECIFICALLY EXCLUDES PRODUCTS UNDER THE FOLLOWING CONDITIONS:

- Used in a manner other than specified in the operations manual.
- Not properly maintained in compliance with handling instructions.
- Misused, neglected, or tampered.
- Altered or repaired, or evidence of attempt of alterations or repairs.

WARRANTY SPECIFICALLY EXCLUDES THE FOLLOWING AREAS OF PRODUCTS:

- WINDAGE AND ELEVATION CAPS
- LENS COVERS AND SUNSHADES
- MAINTENANCE AND CLEANING SUPPLIES

Should BSA® choose to replace the product, and the product is no longer available at the time warranty service is required, a substitution of similar performance and equal value will be made.

To return a BSA® Optics product for replacement, or refund, ship to:

BSA® Optics Service Center, 1700 N. 2nd St., Rogers, AR 72756



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