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TASCO VAR624X42M

TASCO Target/Varmint Riflescope 6-24x42mm Instruction Manual

Model: VAR624X42M

Introduction

This manual provides comprehensive instructions for the proper setup, operation, and maintenance of your TASCO 6-24x42mm Target/Varmint Riflescope. Designed for precision and durability, this riflescope features high-quality multicoated optics and a True Mil-Dot reticle, making it suitable for various shooting applications. Please read this manual thoroughly before using your riflescope to ensure safe and optimal performance.



Image: The TASCO 6-24x42mm Target/Varmint Riflescope, showing its full profile with objective lens, magnification ring, and adjustment turrets.

Key Features

- **Magnification:** 6-24x for versatile target acquisition.
- **Objective Lens:** 42mm for bright, clear images.
- **Optics:** High-quality multicoated lenses for crystal-clear imagery.
- **Adjustments:** 1/4 MOA windage and elevation adjustments for precise targeting.
- **Durability:** Rugged waterproof, fogproof, and shockproof construction.
- **Reticle:** True Mil-Dot reticle for accurate range estimation and holdovers.

Setup

1. Mounting the Riflescope

Proper mounting is crucial for accuracy. Use appropriate scope rings and bases designed for your rifle and the 1-inch tube diameter of this riflescope.

1. Secure the bases to your rifle according to the manufacturer's instructions.
2. Place the lower halves of the scope rings onto the bases.
3. Position the riflescope in the lower rings. Ensure the reticle is level and the scope is oriented correctly.
4. Attach the upper halves of the scope rings, tightening the screws evenly to avoid stressing the scope tube. Do not overtighten.
5. Adjust the eye relief by sliding the scope forward or backward until you achieve a full, clear field of view when shouldering the rifle naturally. The eye relief for this scope is approximately 3 inches.



Image: A general view of the TASCO riflescope, illustrating its form factor for mounting.

2. Bore Sighting

Bore sighting is an initial alignment process that helps get your scope close to zero before live firing, saving ammunition.

- Use a bore sighter tool or visually bore sight by looking through the rifle's bore at a target and then adjusting the scope's reticle to the same point.
- Perform fine adjustments at a shooting range.

3. Eyebell Focus (Reticle Focus)

The eyebell focus adjusts the clarity of the reticle.

- Point the scope at a clear, bright area (like the sky) and quickly glance through it.
- Rotate the eyebell (the ring closest to your eye) until the reticle appears sharp and clear. Avoid staring through the scope for too long during this adjustment, as your eye may compensate for blurriness.

Operating Instructions

1. Magnification Adjustment

The magnification ring allows you to change the power of the scope from 6x to 24x.

- Rotate the magnification ring (located forward of the eyebell) to your desired power setting.
- Higher magnification provides a closer view but reduces the field of view and can amplify natural hand shake.



Image: Close-up view of the magnification adjustment ring on the riflescope, showing numerical markings.

2. Parallax Adjustment

Parallax is the apparent movement of the reticle against the target when your eye moves off-center. This riflescope features an adjustable objective lens for parallax correction.

- Rotate the objective lens housing (the front-most part of the scope) to match the estimated distance to your target.
- The parallax setting ranges from 15 feet to infinity. Adjust until the target and reticle appear to be on the same plane and there is no apparent shift when moving your head slightly.



Image: Detailed view of the objective lens and its adjustment markings for parallax correction.

3. Windage and Elevation Adjustments

The windage (horizontal) and elevation (vertical) turrets are used to zero your riflescope. Each click of the turret adjusts the point of impact by 1/4 MOA (Minute of Angle).

- Remove the protective caps from the windage (side) and elevation (top) turrets.
- To move the point of impact **UP**, turn the elevation turret **counter-clockwise**.
- To move the point of impact **DOWN**, turn the elevation turret **clockwise**.
- To move the point of impact **RIGHT**, turn the windage turret **counter-clockwise**.
- To move the point of impact **LEFT**, turn the windage turret **clockwise**.
- After zeroing, replace the protective caps.



Image: Close-up view of the windage and elevation adjustment turrets on the riflescope.

4. True Mil-Dot Reticle

The True Mil-Dot reticle provides reference points for range estimation and bullet drop compensation. Familiarize yourself with Mil-Dot calculations for effective use.

Maintenance

Cleaning the Lenses

Always use a soft lens brush or compressed air to remove dust and debris before wiping.

- Use a clean, soft lens cloth and a small amount of lens cleaning fluid.
- Wipe gently in a circular motion from the center outwards.
- Avoid using harsh chemicals or abrasive materials, as they can damage the lens coatings.

Cleaning the Body

Wipe the riflescope body with a soft, damp cloth. For stubborn dirt, a mild soap solution can be used, followed by wiping with a clean, damp cloth.

Storage

Store the riflescope in a cool, dry place, away from direct sunlight and extreme temperatures. Use lens caps when not in use to protect the lenses.

Troubleshooting

Problem	Possible Cause	Solution
Blurry Image / Reticle	Improper eyebell focus or parallax setting.	Adjust the eyebell for reticle clarity. Adjust the objective lens for parallax correction to match target distance.
Scope Not Holding Zero	Loose mounting rings or bases; damaged scope.	Check and tighten all mounting screws. Ensure rings and bases are correctly installed. If the problem persists, contact customer support.
Limited Field of View	Incorrect eye relief; high magnification setting.	Adjust eye relief by moving the scope forward or backward. Reduce magnification for a wider field of view.
Adjustments Not Responding	Turret caps not removed; internal mechanism issue.	Ensure turret caps are removed. If turrets still do not click or adjust, contact customer support.

Specifications

Feature	Detail
Magnification	6-24x
Objective Lens Diameter	42mm
Lens Coating	Multicoated
Reticle Type	True Mil-Dot
Eye Relief	3 inches
Parallax Setting	15 feet to Infinity
Windage/Elevation Adjustment	1/4 MOA Glove-Grip Turrets
Tube Diameter	1 inch
Length	16 inches
Weight	19.6 ounces (approx. 1.2 pounds)
Finish	Black Matte
Construction	Waterproof, Fogproof, Shockproof

Warranty and Support

TASCO products are known for their quality and durability. This riflescope is backed by a**Lifetime Warranty**, as indicated by customer feedback. For warranty claims, technical support, or service inquiries, please refer to the official TASCO website or contact their customer service department.
You can find more information and contact details by visiting theTASCO Store on Amazon or their official brand website.

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