Making Precise Windage And Elevation Adjustments

The Leupold VX-3i LRP riflescopes are available with two different adjustment increments, 1/4 MOA per click or 1/10th MO per click, depending on model. The letters found on the windage and elevation dials refer to the direction that the point-of-impact of the bullet is moved when an adjustment is made.

ADJUSTING WINDAGE AND ELEVATION ON VX-3I LRP RIFLESCOPES

Leupold VX-3i LRP riflescopes have micrometer style elevation adjustments. A click for each adjustment division can be both heard and felt so adjustments to the scope can be made without looking at the dials. Indicators on the micrometer portion of the dial show the distance traveled per turn from zero in either MIl or MOA.

ZEROING THE VX-3I LRP WINDAGE AND ELEVATION DIALS AFTER SIGHTING IN

All Leupold scopes feature adjustment dials that can be repositioned to align the marked zero of the dial with the position indicator. This allows the shooter to know the original zero of the rifle in the event that further adjustments are made in the field.

To reposition the dials and the zero stop on VX-3i LRP adjustments:

1. Loosen the set screws on top of the dial until it moves freely.
2. Rotate the dial until the -0- on the indicator ring/zero stop aligns with the bottom of the dial.
3. Tighten the set screws until the dial is secure.

To reposition the VX-3i LRP windage dial:

1. Loosen the set screw the top of the dial until it moves freely.
2. Turn the dial by hand to align the zero with the witness mark at the base of the dial.
3. Tighten the set screw until the dial is secure.

UNDERSTANDING PARALLAX

Parallax is the apparent movement of the target relative to the reticle when you move your eye away from the center point of the reticle. It occurs when the image of the target does not fall on the same optical plane as the reticle. This can cause a small shift in the point of aim.

Maximum parallax occurs when your eye is at the very edge of the exit pupil. At short distances, the parallax effect does not affect accuracy. It is also good to remember that, as long as you are sighting straight through the middle of the scope, or close to it, parallax will have virtually no effect on accuracy in a hunting situation.

SETTING THE ADJUSTABLE PARALLAX

1. The reticle should be clear (focused) before adjusting the parallax. If it is not, follow the instructions under “Focusing the Reticle.”
2. With the firearm in a stable position, look through the scope, concentrating on the center aiming point of the reticle.
3. Move your head slightly up and down while turning the side parallax or adjustable objective ring until the reticle does not move in relation to the target.

NOTE: Settings may vary slightly per individual preferences, air temperature, and atmospheric conditions.

NOTE: The side focus adjustment knob is not to be used to focus the target image. If the reticle is first focused and the parallax then properly set, the image should be clear.

INSTALLING THE BASE, RINGS, AND SCOPE

Please refer to the instructions included with the base and rings for their proper installation on the firearm.

ESTABLISHING EYE RELIEF

Because of the safety considerations associated with proper eye relief, Leupold strongly recommends that you mount your scope as far forward as possible. Beyond that, follow these steps:

1. With the scope as far forward in the mounts as possible, hold the rifle in your normal shooting position. (Variable power scopes should be set at the highest magnification for this process.)
2. Slowly move the scope to the rear just until you can see a full field-of-view.
3. Position your scope here for maximum eye relief.

COMPLETING THE INSTALLATION

1. Without disturbing the optimal eye relief position, rotate the scope until the elevation adjustment dial is at the top of the scope.
2. From a firing position, check to be sure that the vertical hair of the reticle aligns with the vertical axis of the firearm.
3. Tighten the ring screws evenly and securely.

FOCUSBING THE RETICILE

Secure the scope and firearm in a firm rest. Safely point the scope at a light colored background.

1. If the eyepiece has a locking, grasp the eyepiece with your hand and rotate counterclockwise until the lock is loose.
2. Look through the scope while pointed at a light colored background. Look away every so often to relax your eye between focus checks. Rotate the eyepiece and recheck focus repeatedly until the reticle is sharp.
3. If your eyepiece has a locking, retighten the locking against the eyepiece.
Leupold Means Minimal Maintenance

LENSES
To clean lenses begin by using a lens brush to remove dust and then pure alcohol, high grade glass cleaner, or pure water on a cotton swab.

WINDAGE / ELEVATION ADJUSTMENTS
These adjustments are permanently lubricated. There is no need to lubricate them. The eyepiece can be rotated as far as it will go in either direction. It will not detach from the scope as there is an internal lock ring. Do not loosen the screw in the power selector ring. Doing so will release the internal gas that keeps the scope fog free. Loosening the screw will also disconnect the pin that controls the internal operations, causing other problems that would require factory repairs.

SCOPE EXTERIOR
No maintenance of any kind is required; simply wipe off any dirt or fingerprints that accumulate with a clean, dry cloth.

TROUBLE SHOOTING TIPS
Before you ship a scope back to the factory for service or repair, please check the following items:
1. Check the mount. Make sure the scope is mounted securely to the rifle. Try, with bare hands only, to gently twist the scope in the rings or see if anything moves when you jiggle it. If there is any movement, relighten the mounting system according to mounting instructions.
2. Make sure the action of your rifle is properly bedded in the stock, and that all receiver screws are tight and have been tightened in the sequence recommended by the manufacturer. A loosely fit stock can cause changes to the point-of-impact.
3. When test firing a rifle, check the point of impact relative to windage and elevation adjustments, be sure to fire from a solid bench with sandbags supporting the forearm and butt stock.
4. Be sure to use factory-loaded ammunition of the same bullet type, weight, and preferably, lot number. If one type of ammunition does not shoot well, try another brand or bullet weight.
5. Be certain that both the barrel and chamber are clean. Heavy factory grease or copper fouling can diminish the accuracy of the firearm.

LEUPOLD PRODUCT SERVICE
If your Leupold Gold Ring scope fails to perform in any way, you may return it directly to the factory or one of our international service centers for service. We recommend contacting Leupold Technical Service at 1-800-Leupold (538-7653), or following these shipping instructions:

1. Remove the rings and all other accessories from the scope.
2. Record the serial number of the scope and keep it for your records.
3. Include a note with your name, address, telephone number, E-mail address, and a description of the problem.
4. Pack the scope in its original box (if you have it), as this is the safest shipping container. Wrap the package securely using filament stripping tape on the outside.
5. Ship the scope by parcel or mail service (insured, if possible) to one of the following addresses:

IN THE UNITED STATES:
Parcel or Mail Service:
Leupold Product Service
14400 NW Gateway Parkway
Beaverton, OR 97007-5700 USA

OUTSIDE THE UNITED STATES:
Canada: Keith Group, 388 Loop East, Okotoks, AB T1S 0L1, Canada

Australia: Nipa, PO Box 191, Pinrkenba, Qld 4008 Australia (for items originating from Australia, New Zealand, New Caledonia and Japan)

South Africa: Formallo, 1019 Pretorius Ave, Lyttelton Manor, 0157, South Africa

Our Product Service telephone numbers are:
Local (503) 352-1800 Toll-Free 1800 LEUPOLD (538-7653)
Fax (503) 352-7621

Leupold & Stevens, Inc. is an American, family owned, fifth generation company that has been designing, machining, and assembling precision optical instruments for over 100 years. Leupold’s success has been built on its commitment to your absolute satisfaction and its commitment to building the best optics for the sporting sports and for the law enforcement/military community. It is for these reasons that Leupold & Stevens, Inc. offers the Leupold Full Lifetime Guarantee.

If any Leupold product is found to have defects in materials or workmanship, Leupold & Stevens, Inc. will, at its option, repair or replace it. FREE. Even if you are not the original owner. No warranty card is required. No time limit applies. Warranty is void if damage results from unauthorized repair, alteration, or misuse.

The Leupold Guarantee in Germany and other countries where legally prohibited: Leupold is convinced of the high-quality and reliability of its products. This is why each U.S. customer is afforded a lifetime guarantee. For legal reasons, this guarantee must be restricted to 30 years in Germany and other countries where an unlimited lifetime guarantee is prohibited. Each owner, even those that acquired a Leupold product used, can make use of this 30 year guarantee.

The Best Consumer Protection in the Business
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THE LEUPOLD ELECTRONIC WARRANTY
This warranty covers any defects in materials and workmanship in the electronic components of illuminated riflescopes/sights, flashlights, flashlight components, RX Rangefinders, GX Rangefinders, PinCaddie Rangefinder, RX Camera and Verdetta Archery Rangefinder. This warranty lasts for five years from the date of purchase. If, during that five-year period, that product is found to have defects in materials or workmanship, Leupold will repair, or if repair is not possible, replace the product, free of charge.

LEUPOLD TACTICAL PRODUCTS WARRANTY
Warranties outlined above reflect the Leupold & Stevens, Inc. consumer product warranty policy. Military contracts may specify warranty policies that are different from these policies and supersede them. Warranties on Leupold tactical optical products may vary depending on use and other factors.

LEUPOLD MAKES MORE THAN SCOPES
See our complete line of rangefinders, mounting systems, binoculars, spotting scopes, accessories and Pro Gear at your nearest Leupold dealer.

From outerwear to shooting accessories, Pro Gear is tested in the field and built to perform. You can see the full lineup at Leupold.com.