RETICLE-TRU™ Alignment Device

US Patent # 8800154

Instructional Diagnostic Procedure

Using the RETICLE-TRU Alignment Device to verify whether the reticle is plumb when checking a scope previously mounted to a firearm by means of the unaided eye, or other methods.

- Place the RETICLE-TRU alignment device on the rear ocular bell of the scope, taking care so that the initial placement of the device is approximately plumb in orientation.

- With the firearm sitting securely in a gun vise, stand behind the firearm and sight towards the barrel. Rotate the RETICLE-TRU on the eye ocular, either clockwise or counterclockwise as necessary—until the bottom indicator is centered on either the tang (if a rifle), or the receiver (if a shotgun), or the backstrap or frame (if a handgun). At the same time, the top indicator should be centered on either the scope tube, the elevation turret, the front bell of the scope, the barrel (if the barrel is long enough to be visible), or the front sight or barrel bead (if the firearm has a front sight or bead). *If the bases and rings were not correctly lined up with the receiver and barrel axis when mounted to the firearm, the mounted scope will most likely appear to be "off-set" from the central axis of the firearm. It will then be necessary to use a straight-edge, and place it on top of the scope base, just behind the rear face of the forward scope ring. Next, line up the bottom edge of the RETICLE-TRU with the straight-edge resting on top of the scope base.*

- When the top and bottom indicators are nicely centered on their respective index references *(or in the event of using a straight-edge, when the bottom edge of the RETICLE-TRU is aligned with the straight-edge),* carefully bring the firearm up into a shooting position. When doing so, be very careful that the position of the RETICLE-TRU alignment device is not disturbed. You can also perform this task with the firearm resting in the gun vise. Now, look through the window slot of the RETICLE-TRU. Carefully note the orientation of the vertical crosswire within the window. If the vertical crosswire appears to be *out of plumb with the window*, it is advisable to realign the scope so that the vertical crosswire is perfectly plumb in orientation. To do so one must first remove the ring cap screws, and then follow the appropriate directions outlined on the first page of the instructions having the title heading: *Instruction Sequence—Ten Easy Steps*.