

RETICLE-TRU™ Alignment Device

US Patent # 8800154

Instruction Sequence—Ten Easy Steps

1. Center the reticle within the scope by either: *counting the total number of clicks in adjustment, and then going back exactly half that amount—or, by holding a mirror against the face of the objective bell and adjusting the turrets until the reticle and its reflected image coincide exactly.*
2. Focus the eye ocular as set forth in the instructions provided by the manufacturer.
3. Place the scope into the bottom of the scope ring halves, and determine the exact position needed for proper eye relief. Memorize or mark that position, and then remove the scope.
4. Place the RETICLE-TRU on the rear ocular, and stretch the elastic band around the eye ocular.
5. Hold the scope up—like a telescope—and point it towards a bright, diffuse light source. Next, center the vertical crosswire within the window of the RETICLE-TRU. Start by perfectly centering the bottom, and then the top. Make sure it is evenly centered within the window from the bottom to the top—by carefully rotating the RETICLE-TRU device. *You can fine tune this by moving your eye laterally, so that the vertical crosswire appears to be perfectly parallel with either the right or left hand edge of the window. If it is slightly off, carefully adjust it as needed.*
6. With the firearm sitting securely in a gun vise, gently place the scope into the bottom of the scope ring halves, taking care that you do not disturb the position of the RETICLE-TRU, and making certain that the fore and aft positioning of the scope resting within the rings will ultimately yield the proper eye relief for you—as determined earlier in procedural sequence # 3.
7. *Stand behind the firearm, and sight towards the barrel. Without disturbing the RETICLE-TRU, rotate the scope tube within the rings—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, elevation turret, objective 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).*
8. When both indicators are nicely centered on their respective index references, once again look through the window of the RETICLE-TRU and make certain that the crosswire has remained absolutely vertical within the center of the window, or parallel with an edge of the window.
9. Place the top caps of the scope ring halves over the scope, and tighten the ring cap screws to the exact specifications recommended by the manufacturer of the rings you are using. After the screws are properly tightened, once again check to make certain that the vertical crosswire has remained absolutely vertical within the window. If the crosswire is perfectly vertical, perform one additional check to make certain that both the bottom and top indicators on the RETICLE-TRU have remained nicely centered on their respective index references as set forth in step # 7. *When you have determined that all of the references are correctly lined up, you are finished!*
10. Remove the RETICLE-TRU, and you are now ready to either boresight or zero the firearm.