SCOPE-TRU™ ALIGNMENT BAR

US Patent # 8745914

How to use the Scope-Tru™ to install "*dovetail front /dovetail rear*" rings

After both the front and rear dovetail bases have been correctly mounted to the receiver, you are then ready to install the front and rear dovetail rings into their scope mounting bases.

Place the rear ring onto the rear of the **Scope-Tru™**, positioning the ring just in front of the short beveled end. Tighten the ring cap screws to about 15 inch pounds of torque. Apply a small amount of resizing lubricant to the mount base, the base of the ring, and the dovetail surfaces.

CAUTION

> If the rifle has a rear iron sight: Before turning the **Scope-Tru™** the full 90 degree arc, make certain that the tool will *pass above* and *clear* the rear iron sight and blade. It may be necessary to flip the rear sight blade down, or move it to its lowest position on the elevator, or inclined ramp. In the event of installing either low, or super low rings, the **Scope-tru™** may not *clear* the rear iron sight unless the rear iron sight has been temporarily removed from the barrel.

Put the rear ring into the rear base and turn the **Scope-Tru™** 90 degrees, until the front pointer appears to be centered on the barrel, and so that the space on both sides of the "*reduced diameter cylinder*" behind the pointer tip are *equal* on each side of the barrel. Check the pointer from several different viewpoints to ensure that it is well centered. Loosen the rear ring cap screws and remove the tool.

Repeat procedure for the front ring, making certain that the front pointer is well centered on the barrel.

Next, loosen the screws on the front ring cap and move the tool to the rear, until the rear pointer of the tool is several inches behind the rear ring. Once again, tighten the ring cap screws on both the front and rear rings to about 15 inch pounds of torque.

Finally, *check to see if the pointer on the front of the **Scope-Tru™** is centered on the barrel. If it is well centered, take a moment to also check the pointer on the rear of the tool. The rear pointer should also be well centered on either the bolt plug, the tang itself, or the groove in the tang.* ***Best results occur if both the front and rear pointers are well centered***. If everything appears nicely centered, remove the ring screws, and the top of the ring halves, along with the **Scope-Tru™**. Mount scope in rings as desired.

*If both of the pointers on the **Scope-Tru™** are slightly off center*, one might first try *reversing the front ring by turning the ring around 180 degrees, and then re-mounting*. Once again, check to see if both the front and rear pointers of the tool are well centered on the barrel and tang. If everything is centered, mount your new scope in the rings as desired.

If the pointers are still off center, one may also try *reversing the rear ring by turning the ring around 180 degrees, and then re-mounting. Again, check for centering*. Finally, in *some cases*, one can *try reversing the positions of both the front and rear rings*—in the hope of bringing about a better alignment.