



Eagle Eye Sight Set For Ruger Mark series Installation Instructions

V1.0

www.tandemkross.com

For more information or support, contact CustomerService@tandemkross.com

ATTENTION: Before you begin, be certain that the magazine is removed and the chamber is clear. Follow all safety precautions, and double-check your firearm is SAFE.

For the video guide, please click [HERE](#).

Installation Guide:

Required tools: Depending on when your pistol was manufactured, you may need different tools to remove your front or rear sight. Refer to steps 2 and 5 to confirm whether you need to locate any alternative tools prior to beginning installation.

Note:

- The dovetail cut for the rear sight can be very tight. To prevent damage, **TANDEM KROSS** strongly advises that the factory rear sight be removed by a qualified gunsmith.

Included with your sight set:

- Front sight tower with pre-installed green fiber optic pipe
- Replacement red fiber optic pipe
- Rear sight assembly
- Rear sight elevation adjustment coil spring
- 5/64" allen key for front sight screw removal
- .050" allen key for rear sight removal
- 2.5mm allen key for rear sight installation
- 1.5mm allen key for rear sight installation and adjustment



Installation Steps:

- 1) Remove the barrel/receiver assembly from the grip frame and remove the bolt following the firearm's manual. Set the lower and bolt aside.



- 2) Remove the front sight mounting screw. In most cases, this uses a 5/64" allen key which is provided with the kit, or a small slotted screw. This fastener has changed over time. Please ensure you have the correct tool for your screw to prevent damage.

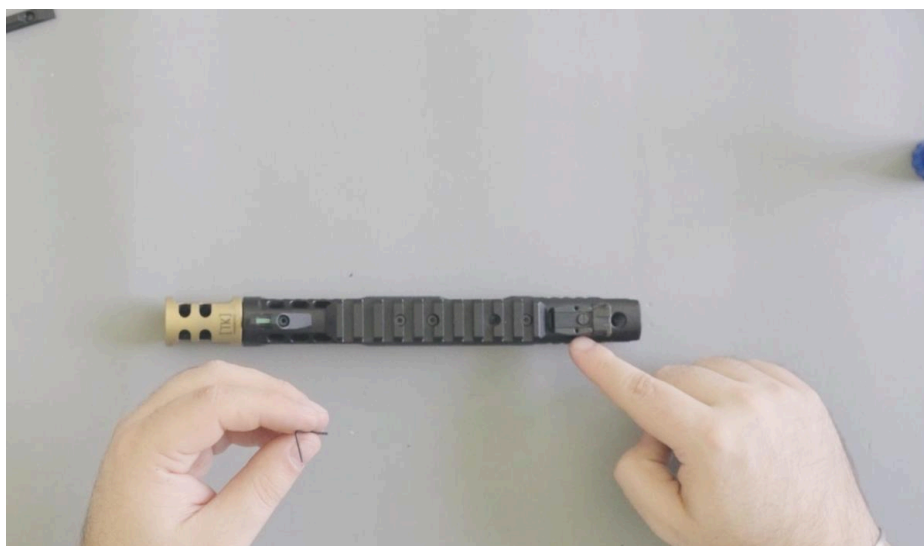


- 3) If you wish to change the front fiber from green to red prior to installation, refer to the section titled "Replacing the Fiber Optic Pipe" below before continuing to Step 4.

- 4) Apply some thread locker to the threads on the factory front sight mounting screw and mount the new front sight assembly.



- 5) Prep the rear sight for removal. Most rear sights incorporate set screw(s) as additional retention. In most cases, there are two (x2) small .050" head set screws on either side of the rear sight. A compatible allen key is provided in the kit. Your rear sight may alternatively have a single slotted set screw on the left side of the rear sight. Confirm which tool you need prior to loosening any set screw.



- 6) Drift the rear sight out of its dovetail. To complete this step, TANDEMKROSS recommends consulting with a qualified gunsmith.
- 7) Prep the rear sight for installation by using the provided 1.5mm allen key to remove the cap screw on the top of the rear sight and swinging the elevator "arm" assembly forward, exposing the cap screw under it.



- 8) Loosen the captured cap screw with the provided 2.5mm allen key until the dovetail insert is freed.



- 9) We recommend applying a small amount of light oil to the front and back slanted faces of the insert to make small adjustments easier in the following step. Slide the dovetail insert into the dovetail in the receiver, centering it visually left-to-right.



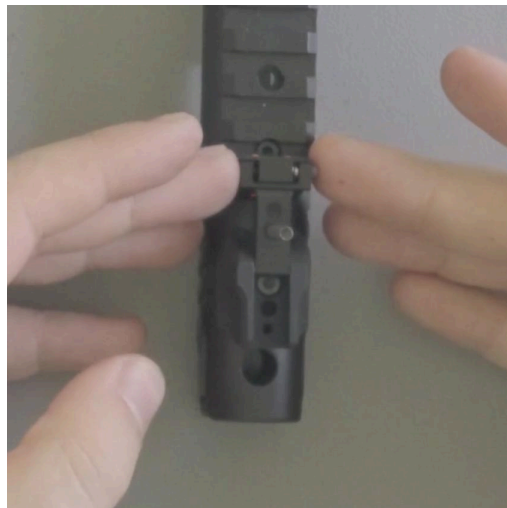
- 10) Apply a small amount of medium-strength thread locker to the threads of the 2.5mm captured screw threads. Then lower the rear sight base over the dovetail insert and tighten the 2.5mm captured cap screw until snug.



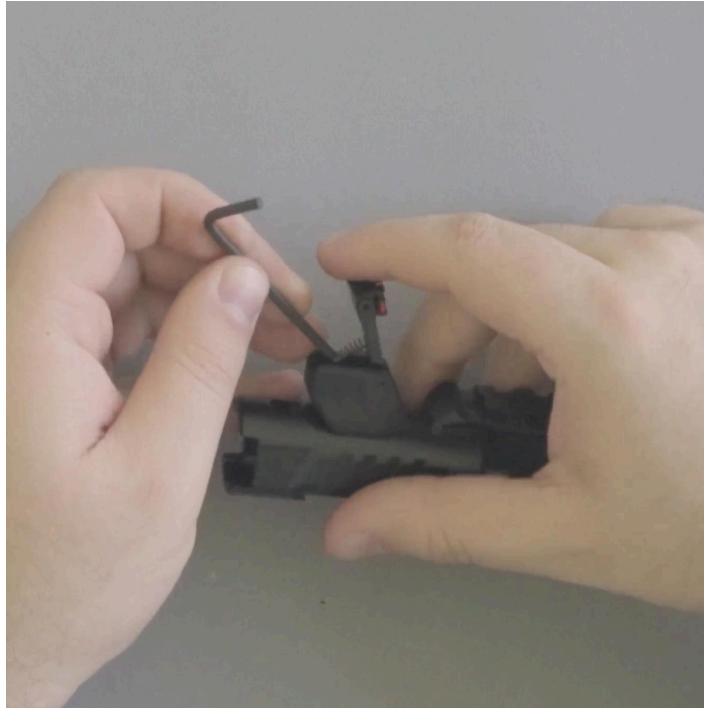
- 11) Flip the elevator arm back into resting position ([TK] on the top of the arm should be visible). Visually inspect the alignment of the front and rear sights and adjust the rear sight base to account for possible misalignment on the barrel/receiver assembly if required. To do so, loosen the cap screw for the rear sight and tilt the allen key to bias the rear sight assembly towards either the 11 o'clock or 1 o'clock position on the receiver. Lower the rear sight arm and inspect the alignment by acquiring a sight picture. Adjust as necessary. Once the adjustment is satisfactory, fully secure the rear sight base to the receiver assembly. Please refer to the photos below for examples of proper alignment.



- 12) Once the rear sight is mounted, install the elevation spring by pressing one end of the spring into the counterbore on the underside of the elevator arm until it snaps in and holds firm.



- 13) Flip the elevator back into the resting position ([TK] visible on top) and hold it in place with gentle pressure. Use a provided allen key or similar tool to guide the free end of the spring forward slightly into the counterbore on the base of the rear sight.



- 14) Place the cap screw into the top of the elevator arm and tighten it with the provided 1.5mm allen key until it begins to click.



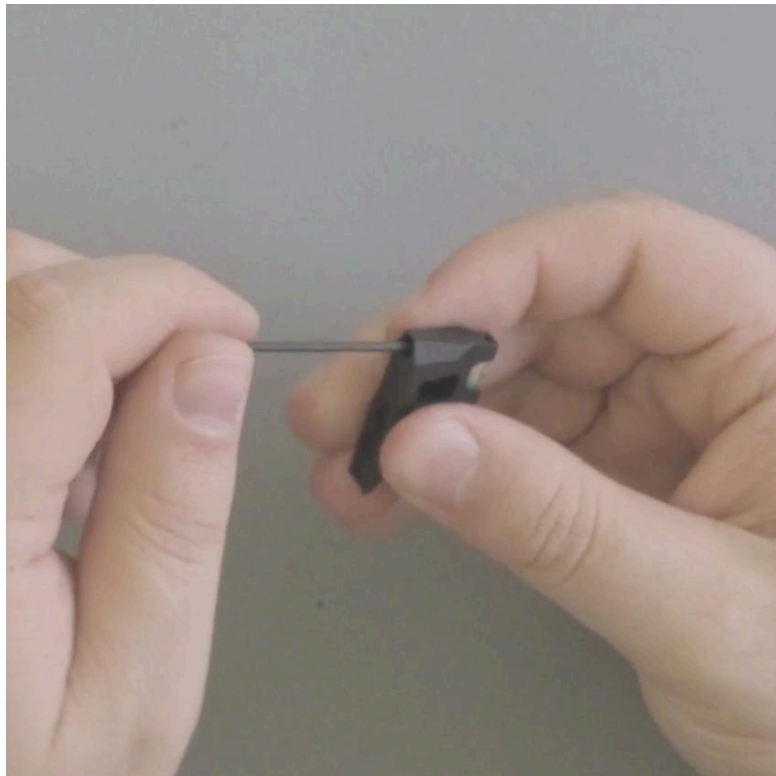
Adjusting the Sights

NOTE: The Eagle Eye Sight Set is designed to achieve a roughly lower third co-witness with common optics on the TANDEM KROSS Shadow Mount V3 and Shadow Mount V2 (excluding the C-more Railway and C-more Slideride). When the optic's reticle is centered in the window, the iron sights will be near the bottom of the window. You may find it beneficial to turn the optic off or remove it when you zero the fiber optic sights to prevent the reticle from disrupting your view.

- 1) Elevation is performed with the fastener on top of the elevator arm. Tightening the screw will lower the rear sight, and lower the point of impact. Loosening the screw will raise rear sight and raise the point of impact.
- 2) The screw on the right side is for windage adjustment (left and right). Tightening the screw will move the rear sight to the right, shifting your point of impact to the right. Loosening it moves it to the left, shifting your point of impact to the left.

Replacing the Fiber Optic Pipe

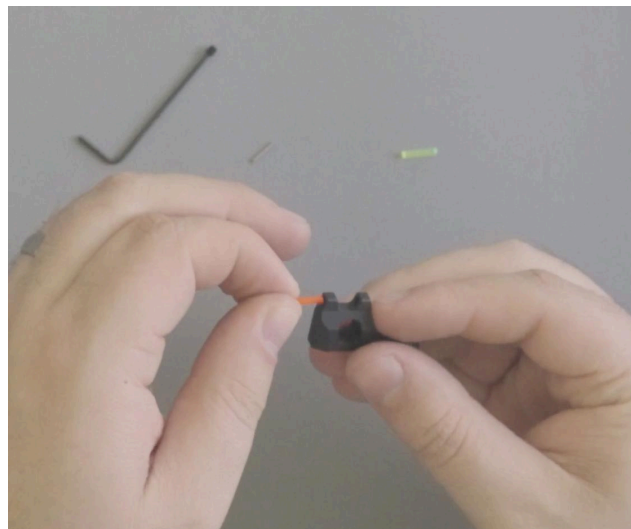
- 1) Locate the frontmost hole on the bottom of the front sight.
- 2) Loosen the set screw.



- 3) Remove the set screw and the small pin it retains. At this point, the fiber optic can be pushed out of the front sight from back to front.



- 4) The new fiber optic pipe can then be pushed in front to back.
- 5) Drop the pin back into the hole and make sure that the pin extends all the way through, blocking the fiber optic from coming out the front hole. Install the set screw and tighten it until it bottoms out.



Thank you!

You have completed the installation of your TANDEMKROSS Eagle Eye Sight Set For Ruger Mark series. Thank you for your support, and if you have any further questions, please reach out to CustomerService@tandemkross.com. Enjoy!