



“Shadow” Mount for Ruger 10/22™
Installation Instructions
V1.1

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For more info or support contact CustomerService@tandemkross.com

Attention: Before you begin be certain that the magazine is clear and safe.

Tools needed: 1/8” wide flat head screwdriver for removing set screws in top of receiver, 1/4” flat head screwdriver for removing picatinny rail, and 1/8” allen wrench for installing plate on receiver.

The stock firearm will either have nothing mounted on the receiver or the picatinny style rail installed with a slotted head cap screw.

If the picatinny rail is present, remove the four slotted screws and remove the rail. If you have the original set screws on hand, install one in the front hole and one in the rear hole as shown right. If there is no rail on top of the receiver, remove the two center set screws. Wipe the top surface of the receiver to remove any debris. Picture shows receiver ready for installation of shadow rail.



See the table below that provides all of the necessary hardware and mounting configurations for each supported sight. Identify your sight in the table. Separate the appropriate screws, dowel pins (if necessary), and allen wrench from the supplied kit.

Your sight may be configured with a picatinny style adapter. Refer to the manufacturer's instructions for your sight to remove the picatinny adapter.

The “Shadow” mount is reversible so it can be installed allowing the sight to be mounted in either of two positions depending on the preference of the user.

If the sight is going to be mounted in the forward position the plate will be mounted as shown with the counterbores on the largest holes will be facing up. Align the holes in the “Shadow” Mount with the threaded holes on the top of the receiver. Using either the slotted stock screws or the socket head cap screws provided with rail attach the “Shadow” Mount. Blue Loctite (medium strength) is recommended to keep the screws from loosening during use.



Install dowel pins in locations specified in table for the forward mounting position. Pins may have a small amount of resistance sliding in holes.

If the sight is going to be mounted towards the rear, the plate will be mounted as shown. Install dowel pins in locations specified in the table for the rear mounting position.



Note: With Vortex Viper and Trijicon RMR sights the battery compartment is open. The included rubber gasket plate should be installed to provide a barrier against moisture and debris.

Please contact TANDEM KROSS customer service if the gasket was not provided with initial purchase.

If you are installing a Trijicon RMR or Holosun HS507C, use the included cone head set screws in either holes 1 and 2 (for forward mounting), or 3 and 4 (for rearward mounting). Insert these screws from the underside of the mount so that the point of the set screw protrudes beyond the upper surface of the plate to fully engage the counterbores in the bottom of the sight. The screws are adjusted properly when the sight has no side to side or front to back play.



Place the sight on the mount in proper alignment with pins. Verify that sight is flush with the mount. Check that the correct length screws are being used. Install and firmly tighten screws using medium strength thread locking compound. Do not exceed 8 inch-pounds of torque when tightening flat head #4 screws.



Helpful Hints:

Loctite works best with clean, oil free surfaces: clean the screw in alcohol and use an alcohol soaked cotton swab to clean the screw hole.

Ruger® 10/22® "Shadow" Mount V2.0 Compatibility Chart

Optic	Forward Mount	Rear Mount	Screw Size	Dowel Pin	Rubber Gasket Plate	Allen Wrench	Holes Used - Forward Mount	Holes Used - Rear Mount
Vortex Viper	✓	✓	Small Flat Head	✓	6 holes	1/16"	5, 6, 13, 14	17, 18, 9, 10
Vortex Venom	✓	✓	Small Flat Head	✓		1/16"	5, 6, 13, 14	17, 18, 9, 10
Vortex Razor	✓	✓	Medium Flat Head	✓		1/16"	7, 8, 13, 14	15, 16, 9, 10
C-More Railway	✓		Cap Screws			9/64"	19, 20	
C-More RTS	✓	✓	Medium Flat Head	✓		1/16"	7, 8, 13, 14	15, 16, 9, 10
Burris FastFire 2/3	✓	✓	Small Flat Head	✓		1/16"	5, 6, 13, 14	17, 18, 9, 10
Leupold Deltapoint Pro	✓	✓	Large Flat Head			1/16"	13, 14	9, 10
Trijicon RMR	✓	✓	A: Small Flat Head B: Cone Point Set Screw		4 holes	A: 1/16" B: 5/64"	1, 2, 11, 12	3, 4, 11, 12
Trijicon RMR 2	✓	✓	A: Small Flat Head B: Cone Point Set Screw			A: 1/16" B: 5/64"	1, 2, 11, 12	3, 4, 11, 12
Holosun HS507C, HE508T	✓	✓	A: Small Flat Head B: Cone Point Set Screw			A: 1/16" B: 5/64"	1, 2, 11, 12	3, 4, 11, 12

