

Griffon Hill Red Dot Mount for Ruger Blackhawk Flattops



Congratulations on your purchase of the Griffon Hill Red Dot Mount. Our mounts are 100% designed and manufactured in the USA. CNC machined from 7075-T6 Aluminum and black anodized. Our mounts utilize the factory rear sight screw, along with the rear sight cross pin. If additional support is needed, a second screw can be drilled and tapped inside the rear sight pocket hidden from view. A mounting screw is included if you wish to save the original. Perfect solution for maintaining the look of your revolver and preserving resale value.

This mount only accepts red dot sights with the Docter/Noblex footprint:

- Vortex Venom (discontinued)
- Vortex Viper (discontinued)
- Burris Fastfire 2, 3, 4
- Springfield HEX Dragonfly

Necessary tools:

- 1/16" brass punch
- Hammer
- Hollow-ground screwdriver
- Degreaser (brake cleaner, lacquer thinner, paint thinner, acetone, etc)
- Drill
- Quality 1/16" drill bit
- Inch-pound torque wrench
- Blue/purple Loctite or clear fingernail polish
- Q-Tips

1. Please read through the instructions in their entirety. If you are not comfortable trying this on your own, please consider having a gunsmith do it for you.
2. Remove rear sight elevation screw and tap out cross pin with 1/16" brass punch. Remove rear sight, be careful there are two small springs coated in grease that will stick to either the rear sight or the revolver. These springs will need to be saved for future installation of the rear sight. The screw and cross pin will be used for the Griffon Hill sight mount.
3. Remove cylinder from frame to aid in the cleaning process.
4. The original rear sight screw, threaded hole in the frame, and cross pin need to be thoroughly degreased and dried. For Blued guns, use an appropriate mild degreaser that will not remove any bluing. A Q-tip with about 70-80% of the

cotton pulled off one end is the perfect size for cleaning the threaded hole in the frame.

5. Temporarily attach the mount to the revolver with the included screw, just snug up, do not over tighten. Make sure the mount is pushed forward and sits down against the frame. Check the cylinder opening to make sure the screw doesn't protrude and interfere with the cylinder. If it does, either shorten the screw or use your original factory screw.
6. Using a new, sharp 1/16" drill bit, carefully drill halfway from each side for the cross pin. The aluminum is soft and will drill easy so go slow, take your time, and make sure the drill is perpendicular to the frame. Slow speed and light pressure work best.
7. Remove mount and clean up any drilling debris and reattach.
8. Brush clear fingernail polish on the cross pin, insert the pin making sure it is flush on both sides of the frame. Then wipe away any excess and let dry. (**See Helpful Hints page online for more cross pin info**)
9. The second screw hole is optional. This hole fits snugly inside the rear sight pocket and will not show if the mount is removed, and the rear sight is installed. This keeps the appearance of your revolver looking factory without unsightly screws in the top strap after the mount is removed. This task is best performed by a competent gunsmith or machinist. The hole will accept a #6 oval head screw.
10. Next remove the rear screw and apply a small dab of Blue or Purple Loctite. Loctite is marketed as a temporary thread locker. The screw will be removeable in the future, but it can be very difficult to remove the residue left behind in tiny threads and small threaded holes. As an alternative, clear fingernail polish can be used if desired. It dries faster and is much easier to clean up and remove. If using the supplied screw, reinsert and torque to 15 in/lbs and allow to dry for 24 hours before firing revolver. If using the original sight screw, the knurled head will dig into the base acting as a lock washer and will throw off torque values. Just tighten until snug, then an 1/8 to 1/4 turn more. Over tightening any screws will result in snapped off heads. The cross pin and screw work together to secure the mount, therefore the screw is not required to sustain all the force.
11. The red dot sight can now be added to the mount using the factory screws supplied with the red dot sight. Torque screws according to the instructions from the manufacturer or just snug them up. Again, do not over tighten screws. Do not use Loctite on these screws, if a thread locker is desired, clear fingernail polish is a safer option.
12. Once the thread locker has dried it is now time to sight in your new red dot!

Questions? Contact Dan at dan@griffonhill.com

Visit us at www.griffonhill.com for more red dot mounts