

RAVEN EYE CUSTOM

RUGER 10/22[®] BARREL RETAINING V-BLOCK SCREWS

INSTALLATION INSTRUCTIONS - SHEET 1 OF 2

READ PRIOR TO INSTALLATION

MAKE SURE YOUR FIREARM IS UNLOADED BEFORE DOING ANY WORK ON IT.

As the end user and installer of this product, you must accept full responsibility for the correct installation of this product and the resulting condition of your firearm. If you are unwilling to accept this, return the product to the address listed below for a full refund. If you are unable to install this product, seek the services of a qualified gunsmith, or send us an email to the address listed below and we can assist you.

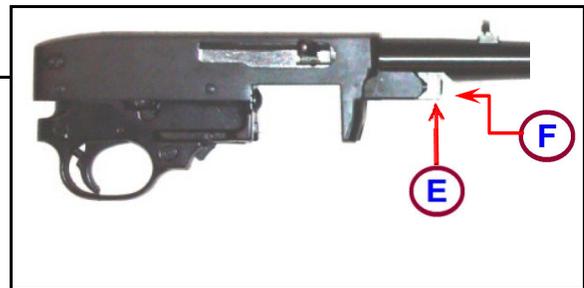
Step 1 To get to the v-block screws, the stock takedown screw and barrel band screw (if present) must first be removed. The takedown screw is located in front of the trigger guard.



Step 2 **CONFIRM THAT THE RIFLE IS UNLOADED!** Slide off the barrel band (C) (if present). Place the safety half way in-between safe and fire (D) Slowly lift the barrel up and rotate it out of the action.

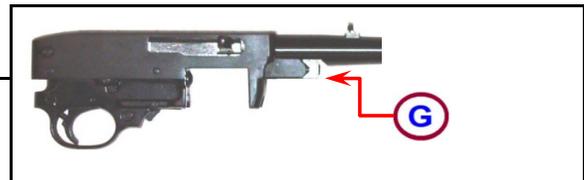


Step 3 The v-block (E) attaches the barrel to the action. Use the larger 5/32" hex wrench included to slowly and evenly remove the factory screws (F) and then carefully remove the v-block.



Step 4 Check for corrosion. If present, clean the action threads, v-block, and barrel recess using an appropriate solvent.

Step 5 Install the V-block, being careful to center the block in the recess. Insert each of the new screws (G) and tighten using fingers (not tight). Once both screws are finger tightened, STOP. Read the **HEX WRENCH NOTES** on the next page.



(CONTINUED ON SHEET 2)

RAVEN EYE CUSTOM

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INSTALLATION INSTRUCTIONS - SHEET 2 OF 2

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HEX WRENCH NOTES

The 1/8"

hex wrench is designed for a low torque application such as this. The goal is around 25 inch-lb torque. Of note is that most automotive tools measure in foot-lb, and do not go down to the 2 foot pound (25 inch-lb) range. If you are using the hex wrench and causing the wrench to bend, you are exceeding the 25 in-lb recommended. You may also damage the aluminum action. The goal is repeatable torque not high torque. THIS ISN'T A STRONGMAN COMPETITION!



Torque = force * lever arm. Therefore to achieve 25 inch-lb force at a lever arm of 2.3 in., you only need to apply 11 lb force (near the weight of a 12 pack of soda)

Step 6

The Raven Eye Custom screws use the included 1/8" hex wrench. Tighten the screws evenly; only perform one turn before switching to other screw. A bit of time spent doing this carefully will pay dividends later with improved accuracy. Do not over torque!

Step 7

Replace the takedown screw and the barrel band screw removed in Steps 1 and 2. Don't overtighten these screws, tightening past snug will likely result in damage to the receiving threads.

BE SAFE!

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