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# Ruger 77 MKII VT Trigger Kit

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*Operators Instruction Manual*



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## **WARNING**

This fire control system is intended for use only by experienced competitive shooters and professionals. You must take responsibility for your own actions. We will not be responsible for any loss, injury, or death resulting from the use or misuse of this product.

The handling and use of firearm bears with a certain unavoidable risks, like sky diving and rock climbing. If you are not willing to accept responsibility for your own actions, guns are not for you.

The use of any custom parts or modifications may void any warranty from the manufacturer of your firearm.

Returns will not be accepted on any parts that have been modified.

If you do not have a thorough understanding of the Ruger 77 MKII or 77/22 trigger system and the purpose and function of all the parts, do not attempt to install this system. Have it installed by an experienced gunsmith.

Read the instructions completely before beginning the procedure.

1. Check to make sure gun is unloaded.
2. Remove the bolt.
3. Remove the receiver from the stock.
4. Using a punch, remove the trigger pivot pin.
5. Remove the trigger, the trigger return spring, the trigger lever and the trigger lever return spring.
6. Remove the sear pivot pin.
7. Move the safety lever to between detents and the lever to aligned with the dovetail notch.
8. Press the safety and dovetail cap down to remove the safety lever and dovetail cap.
9. Remove the safety detent pin and detent spring from the block they are housed in. (It may be easier to remove the detent pin, then compress the detent spring with a punch and then remove the detent spring block..)
10. Remove the block which houses the safety detent and spring. (May have been removed in step #9.)

11. Remove the sear and sear return spring.
12. Remove the adjustment screws from the Jard trigger, clean the screws, and apply the loctite provided and reinstall the screws.
13. Turn the Jard overtravel screw flush with front of the trigger. You are not required to use the Jard trigger overtravel screw in the Ruger 77 MKII VT (Varmint Model). The center screw on the front of the trigger shroud which did house the spring can be used as an overtravel screw as it is easier to access.
14. Lay the Jard sear into the approximate location in the receiver.
15. Place the safety detent housing into place with the radius on the safety side to allow the safety to be in the proper location.
16. Install the safety detent spring and safety detent into the receiver/housing.
17. Lay the safety into the groove in the receiver, which will compress the safety detent spring. Then from the top side slide the dovetail cap into its proper location with the sear pivot groove aligning with the sear pivot hole.
18. Install the one shim on each side of the sear and install the factory sear pivot pin.
19. Place the Jard sear/trigger return spring provided into the spring packet on the sear (gun should be upside down).
20. Install the Jard trigger into the receiver with one of the shims provided on each side of the trigger. (use factory pin)
21. Replace the bolt and cock the gun. (The sear engagement and overtravel screw may need to be adjusted to cock.) The factory overtravel screw (top screw) and sear engagement screw (bottom screw) will not be used so they can be backed out some so they do not interfere with the Jard trigger.
22. Turn the sear engagement screw in (clockwise) until the firing pin drops, then back the screw out (counterclockwise) about one turn.
23. Check the sear engagement setting by slamming the bolt closed sharply several times. If the sear is not released when closed sharply, then it may be possible to adjust for less sear engagement, but if the sear is released, then back off the sear adjusting screw further, and/or increase the weight of the pull (heavier spring).

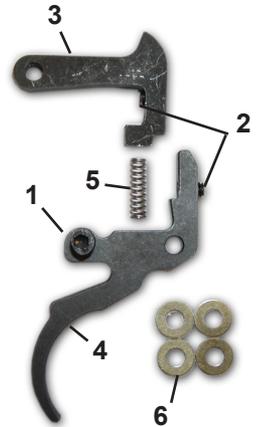
24. The overtravel screw (factory spring preload screw) can now be adjusted for minimal travel after sear release. There must be ample clearance to allow the sear to release clearly when the trigger is pulled.
25. Now adjust the safety screw. The head of the screw is elliptical. Turn the screw counterclockwise so when the safety is on, the head of the screw contacts the safety. There should be NO movement of the trigger when the safety is on. (There must be at least .050" gap between the screw head and the trigger to prevent the trigger from wedging.)
26. Allow the loctite to dry 24 hours before using the weapon.
27. After loctite has dried, recheck all settings and functions.

\*Approximate pull weights

Trigger weights available: 1 lb, 1-1/2 lb, 2 lb, & 2-1/2 lb

**Ruger 77 MKII 77/22 Trigger Parts Breakdown List**

Ref #	Part #	Description
1.	<b>1125</b>	Safety Screw
2.	<b>1130</b>	Sear/over-travel Screw
3.	<b>1145</b>	Sear
4.	<b>1146</b>	Trigger
5.	<b>1126</b>	Trigger Return Spring (1#)
-	<b>1127</b>	Trigger Return Spring (1-1/2#)
-	<b>1128</b>	Trigger Return Spring (2#)
-	<b>1129</b>	Trigger Return Spring (2-1/2#)
6.	<b>1242</b>	Brass Washer #5
-	<b>1020</b>	Thread Locker



Order by Part # and Description

**JARD, Inc.**

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