

[TANDEMKROSS]

**“Blast Pack” for Ruger® Mark IV™
and 22/45™**

Installation Instructions



The logo for TANDEM KROSS is a black horizontal bar with green and red diagonal stripes at both ends. The text "[TANDEM KROSS]" is written in green, uppercase letters within the black bar.

[TANDEM KROSS]

Before we begin

Check that the pistol is unloaded.
Make sure your workspace is
cleared and well lit.

Some parts will be under spring
tension, so be sure to wear safety
glasses.

[TANDEMKROSS]

Familiarize
yourself with
package contents
before
continuing

1. “Blast Shield” Magazine Disconnect Replacement
2. “Lightning” Sear
3. upgraded sear spring
4. “Thunder” Hammer



The logo for TANDEM KROSS is located at the top of the slide. It consists of a black horizontal bar with green and red diagonal stripes at both ends. The text "[TANDEM KROSS]" is written in a green, sans-serif font within the black bar.

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Tools Required

- 1.5mm Allen key
- an empty magazine for your pistol
- Tool to remove your grip panels (typically 3/32 Allen key or T10 Torx)

A small punch, fine pliers, and a magazine vise block are recommended

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Step 1



Detach the upper from the lower according to your pistol's manual and remove the grips.

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Step 2



With the safety in the “fire” position, pull the trigger to drop the hammer. If you still have the factory magazine disconnect installed, you will need to insert an empty magazine in order for the trigger to function.

NOTE: Place your thumb over the hammer and let it down gently. Allowing the hammer to swing forward without the upper attached can damage lower components.

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Step 3



From the right side of the grip, remove the left-handed safety lever or safety spacer and screw.

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Step 4

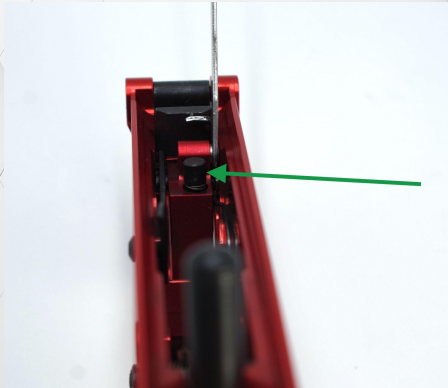


Grip the safety lever and pull it away from the frame while wiggling up and down.

NOTE: There is a small spring and detent in the safety lever that can be lost. Covering the safety with your hand can help keep those parts from being lost.

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Step 5



Remove the hammer, hammer bushing, magazine disconnect components, and safety plate. The magazine disconnect components and hammer will not be re-installed.

NOTE: When the safety shaft is removed, the trigger bar can swing up, allowing the trigger spring and detent to come out. Remove them and set aside for later.

[TANDEMKROSS]

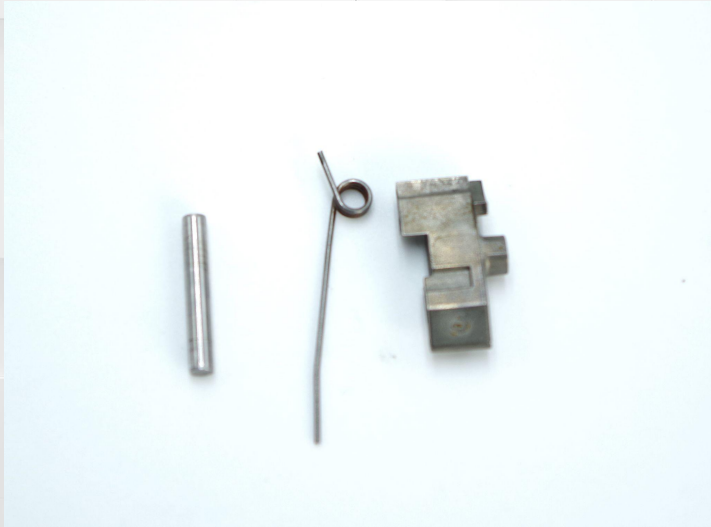
Step 6



From the left side, remove the bolt stop lever.

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Step 7



With your small punch, drive out the sear pin. Remove the sear and sear spring. The factory sear and sear spring will not be reinstalled.

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Step 8



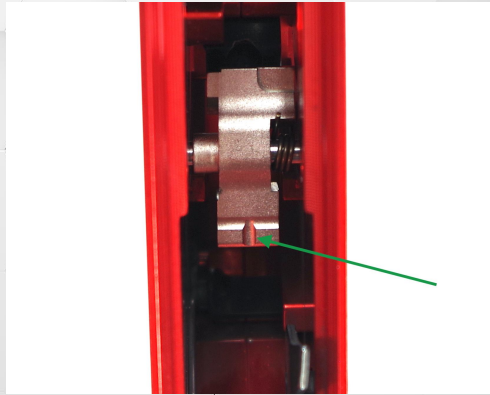
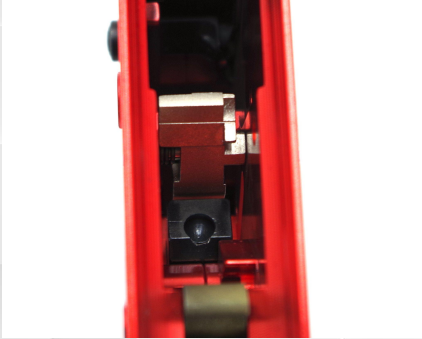
Insert the upgraded sear spring in the orientation show with the short leg facing inwards and the long leg visible in the slot in the grip. Partially insert the sear pin from left-to-right to retain the spring.

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Step 9

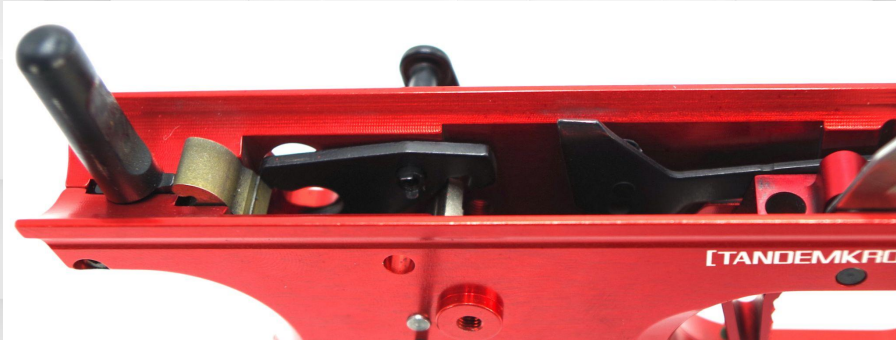
With the pliers, insert the “Lightning” Sear and line it up as shown with the short leg of the sear spring on the front of the sear (pushing the sear rearwards). Press the sear pin through the sear and flush with both sides of the grip.

NOTE: You can insert an allen key into the slot in the grip and press it against the sear to hold it in place.



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Step 10



Insert the safety plate and hook the front edge over the tip of the sear. You may need to pull the sear forward into alignment. Hold the safety plate in place with one hand and start the safety lever and shaft into the hole and through the safety plate to retain the safety plate.

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Step 11



Preassemble the hammer components in preparation for the install. Place the “Blast Shield” around the front of the hammer and install the hammer bushing in the right side of the hammer, through the “Blast Shield” as shown

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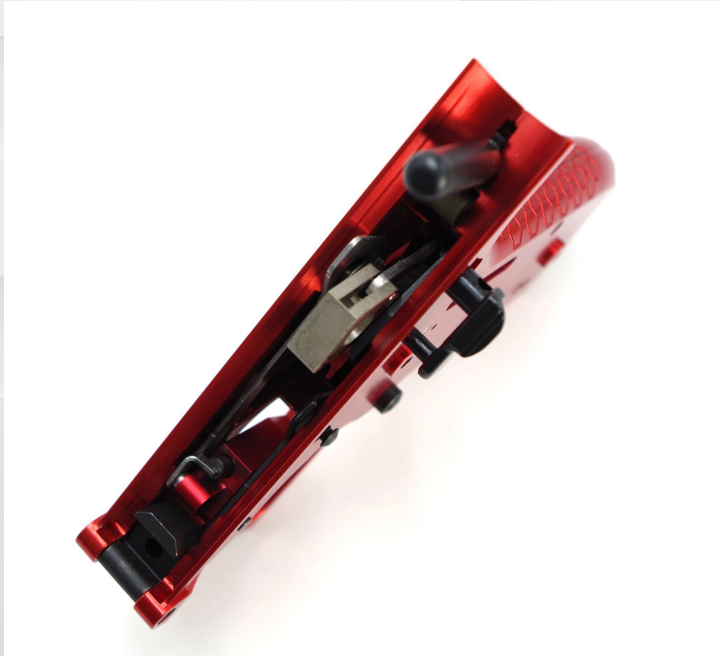
Step 12



Reinstall the trigger spring and detent and lower the disconnect bar over the detent.

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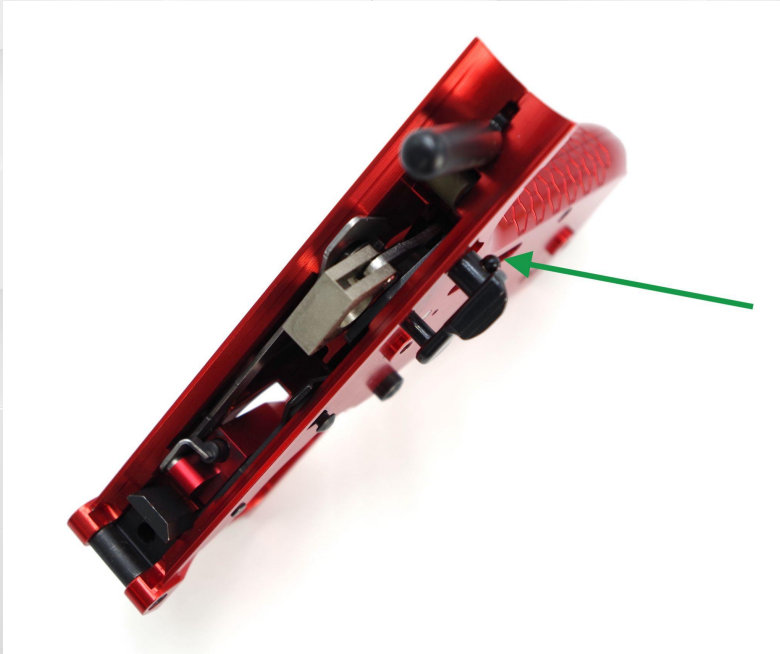
Step 13



Pressing down on the connector bar, insert the hammer assembly into the pistol, making sure that the hammer strut is pressing onto the mainspring plunger and the hammer bushing is inside the square cut-out of the connector bar. Press the safety shaft through the hammer assembly, and connector bar, but not all the way through.

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Step 14



Reinstall the spring and detent in your safety lever and press the safety all the way in. The cylindrical post on the underside of the safety lever will need to line up with the corresponding cutout in the safety plate.

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Step 15



Reassemble the pistol. If you have one of our “Victory” triggers installed, you may need to re-adjust the pre-travel and post-travel screws for best function

NOTE: With the “Blast Shield” installed, the trigger can be pulled with the pistol on “fire” with or without a magazine inserted. Take some time to familiarize yourself with the new feature of the pistol.

The logo for TANDEMKROSS, featuring the brand name in green capital letters inside a black horizontal bar with red and green diagonal stripes at the ends.

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Function test your pistol

Cock the hammer, place the pistol on “safe” and pull the trigger. The pistol should NOT fire. Place the pistol on “fire” and pull the trigger. The pistol should fire. Keep your finger on the trigger and recock the hammer. Let go of the trigger and you should feel and hear a click. Pulling the trigger again will allow the pistol to fire.

The logo for TANDEMKROSS is a black horizontal bar with green and red diagonal stripes at both ends. The text "[TANDEMKROSS]" is written in a green, monospace-style font within the black bar.

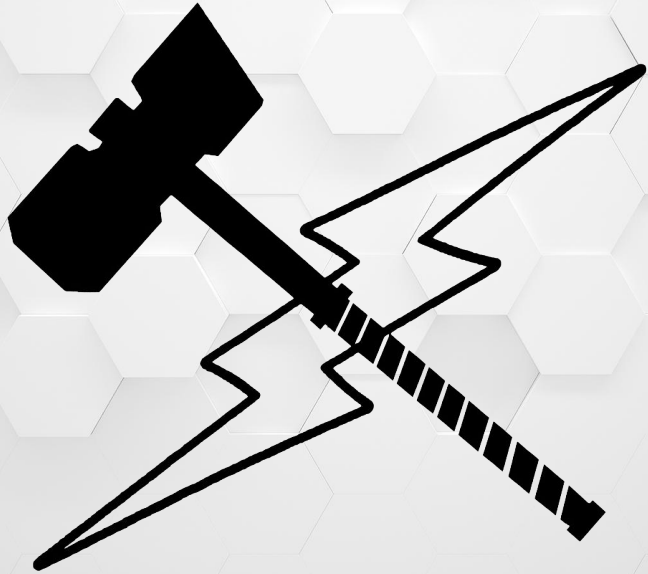
[TANDEMKROSS]

Function test continued

If your pistol does not behave as described, verify your installation with our instructions, paying close attention to the sear and sear spring. Feel free to contact our support by phone or email if needed.

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Congratulations!



You have successfully completed the installation of your “Blast Pack” for Ruger® Mark IV™ and 22/45™.

Get ready to BLAST past the competition.



[T A N D E M K R O S S]



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Mon-Fri 9:00^{AM}-4:00^{PM}

Thank You