

Target Tool Billet Aluminum Skeletonized Ruger Precision Rifle Stock Installation Procedure



Thank you for purchasing a Target Tool billet aluminum skeletonized Ruger Precision Rifle stock! The Target Tool billet aluminum skeletonized stock was designed and manufactured with performance and quality as the top priorities. This stock overcomes all of the short comings of the OEM Ruger Precision stock while maintaining solid length of pull adjustment as well as the cheek riser height adjustment.

Below you will find all of the tools and steps required to remove the OEM Ruger Precision Rifle stock and install the Target Tool billet aluminum skeletonized stock.

Please contact Target Tool by calling and leaving a message at 717-507-4044 with any product related questions or to order any additional stocks or parts. Happy shooting!

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PROCEDURE REQUIREMENTS

Tools

- Soft Faced Mallet
- **1/8"** Roll Pin Punch
- **1/16"** Roll Pin Punch
- **9/64"** Allen Wrench
- **5/32"** Allen Wrench
- Gun Vise (Optional)

Parts

- (1) Target Tool Billet Aluminum Ruger Precision Rifle Stock Assembly
- (1) Recoil Pad Base Plate**
- (1) Recoil Pad**
- (2) Recoil Pad Base Plate Screws**
- (2) Recoil Pad Screws**
- (1) Stock Hinge Pin**
- (1) Stock Pivot Latch**
- (1) Stock Pivot Latch Pin**
- (1) Stock Pivot Lock Button
- (1) Latch Spring**
- (1) Stock Latch Detent Washer**
- (1) Stock Pivot Lock Button**

** Parts to be removed from the OEM Ruger Precision Rifle stock and reused

SAFETY CHECK THE RUGER PRECISION RIFLE

Ensure that the Ruger Precision Rifle is Clear of Ammunition



BEFORE BEGINNING ANY WORK ON THE FIREARM:

1. Ensure that the firearm is pointed in a safe direction.
2. Ensure that the safety is in the "SAFE" position.
3. Remove the magazine from the rifle.
4. Open and/or the bolt on Ruger Precision Rifle and ensure that there is no ammunition in the chamber.

REMOVE THE OEM RUGER PRECISION RIFLE STOCK

Remove the Ruger Precision Stock Assembly from the Rifle

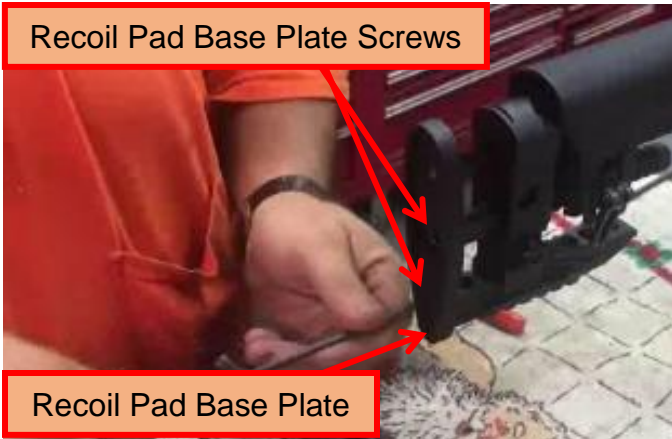
Recoil Pad Screws



Recoil Pad

1. Remove the (2) recoil pad screws, which affix the recoil pad to the recoil pad base plate.
 - Use a **9/64"** Allen Wrench.
2. Remove the recoil pad from the recoil pad base plate.
 - Retain the OEM recoil pad as it will need to be reinstalled on the new Target Tool billet aluminum skeletonized stock.

Recoil Pad Base Plate Screws



Recoil Pad Base Plate

3. Remove the (2) recoil pad base plate screws, which affix the recoil pad base plate to the OEM Ruger stock.
 - Use a **5/32"** Allen Wrench.
4. Remove the recoil pad base plate.
 - Retain the OEM recoil pad base plate as it will need to be reinstalled on the new Target Tool billet aluminum skeletonized stock.

Hinge Pin



5. Remove the stock hinge pin from the rifle receiver and OEM stock.
 - Use a **1/8"** roll pin punch and soft faced mallet.
 - Push the hinge pin out from the bottom side of the rifle.
 - Retain the OEM stock hinge pin as it will need to be reinstalled on the new Target Tool billet aluminum skeletonized stock.



6. Depress the stock release button and pull the OEM stock from the rifle receiver.

REMOVE THE OEM RUGER LATCH MECHANISM

Remove the Ruger Latch Mechanism from the Ruger Stock

Stock Release Button

Stock Pivot Latch



On the OEM Ruger Precision Rifle stock:

1. Depress and hold the stock release button.
2. Rotate the stock pivot latch forward to reveal the stock pivot pin access hole underneath.
 - The stock pivot latch should be rotated approximately 45°.

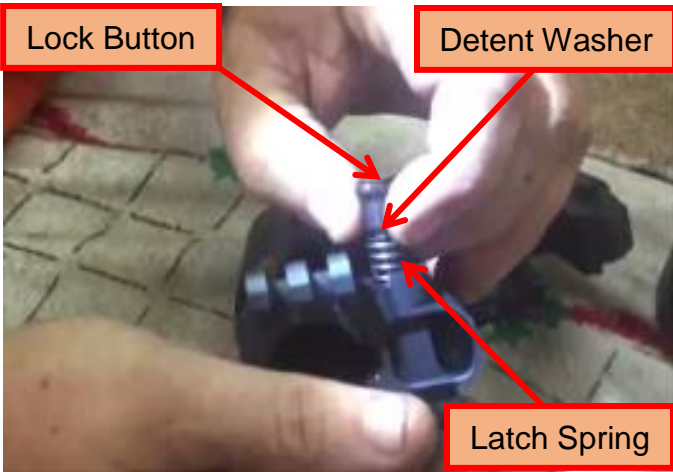


Pin Access Hole

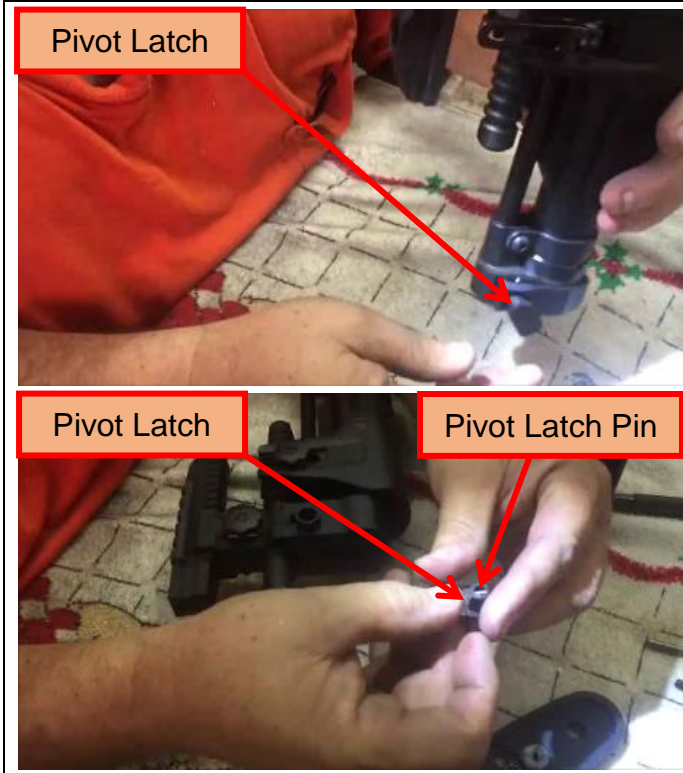


Through the stock pivot pin access hole:

3. Remove the stock pivot pin from the stock pivot latch.
 - Use a **1/16"** roll pin punch and soft faced mallet.
 - After the stock pivot pin is removed from the stock pivot latch, the pin will be retained. The pin will not fall free from the stock.



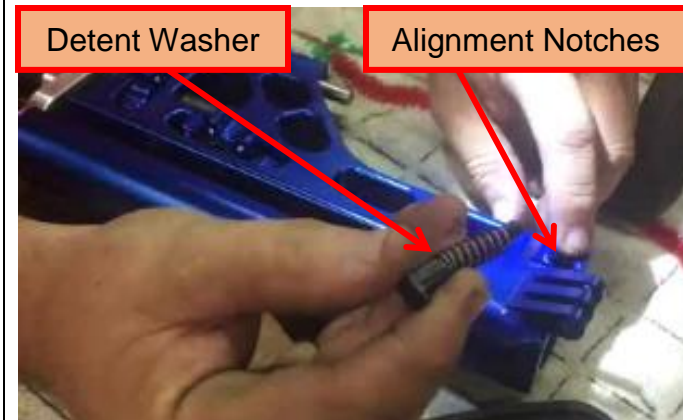
4. Pull the stock pivot lock button, stock latch detent washer, and latch spring from the Ruger OEM stock.
 - The stock pivot lock button, stock latch detent washer, and latch spring should all come out of the OEM stock together.
 - Retain the stock pivot lock button, stock latch detent washer, and latch spring as they will need to be reinstalled on the new Target Tool billet aluminum skeletonized stock.



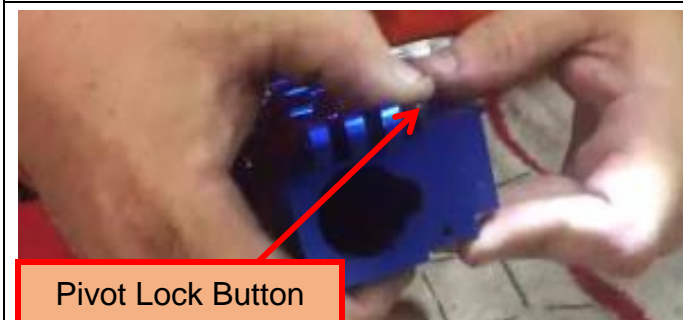
5. Turn the OEM Ruger stock upside down.
6. Remove the stock pivot latch from the stock.
 - The stock pivot latch pin will be retained inside of the stock pivot latch.
 - Retain the OEM stock pivot latch and pivot latch pin as they will need to be reinstalled on the new Target Tool billet aluminum skeletonized stock.

INSTALL THE LATCH MECHANISM IN THE SKELETONIZED STOCK

Install the Ruger Latch Mechanism in the Target Tool Aluminum Skeletonized Stock



- On the Target Tool Ruger skeletonized stock:
1. Install the stock pivot lock button, stock latch detent washer, and latch spring into the left side of the Target Tool skeletonized stock.
 - Ensure that the latch detent washer alignment tabs are properly aligned with the notches in the aluminum skeletonized stock. Rotate the stock pivot lock button until the detent washer drops into place.



2. Push the stock pivot lock button in until the button bottoms out.



Pivot Latch

With the pivot lock button still depressed:

3. Slide the pivot latch barrel over the pivot lock button shaft.
4. Rotate the pivot latch until the pivot latch and pivot lock button pin holes align.
 - The stock pivot latch should be rotated approximately 45° for the pin holes to align.



Pivot Latch Pin

5. Insert the pivot latch pin into the pivot latch through the pin access hole.
6. Tap the pivot latch pin into place.
 - Use a **1/16"** roll pin punch and soft faced mallet.
 - When the pivot latch pin is installed correctly, the pivot latch will be free to rotate when the pivot lock button is depressed.



INSTALL THE TARGET TOOL ALUMINUM SKELETONIZED STOCK

Install the Target Tool Aluminum Skeletonized Stock on the Rifle



With the pivot latch in the downward position:

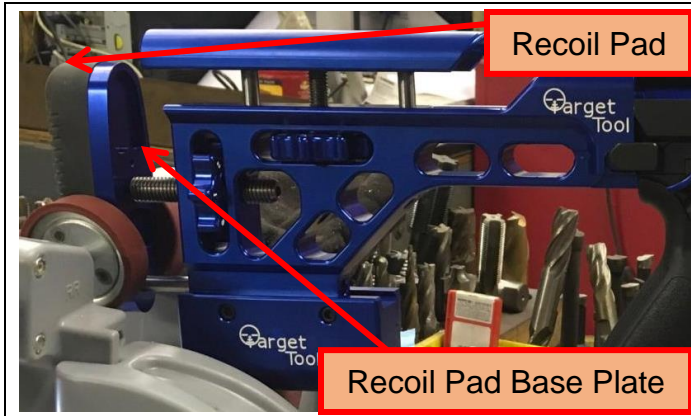
1. Align and slide the hinge knuckles of the rifle and the Target Tool aluminum skeletonized stock together.
 - NOTE: The fit up between the aluminum skeletonized stock and the rifle will be much tighter than the OEM stock. **DO NOT FORCE THE STOCK HINGE KNUCKLES INTO THE RIFLE HINGE KNUCKLES.** Gently wiggle the stock until the hinge pin holes align.



2. Insert the stock hinge pin into the rifle and stock hinge knuckles.
 - Use a **1/8"** roll pin punch and soft faced mallet to set the hinge pin.
 - Insert the stock hinge pin from the top side.



3. Close the rifle stock.
4. Press the stock pivot lock button and rotate the pivot latch into the locked position.



5. Install the OEM Ruger recoil pad base plate by affixing it to the length of pull adjustment screw and guide rod with the (2) recoil pad base plate screws.
 - Use a **5/32"** Allen Wrench.
6. Affix the OEM Ruger recoil pad to the recoil base plate with the (2) recoil pad screws.
 - Use a **9/64"** Allen Wrench.

SEE YOU AT THE RANGE!

