



# RAVIN

MULTI PRESS USER MANUAL



## SECTION 1 - GENERAL SAFETY INSTRUCTIONS

Your new Ravin® Multi Press is designed exclusively for use on all Ravin Crossbow models. Use for any other purposes can cause property damage, serious injury, or death.

Unless you have significant experience working on Ravin Crossbows we highly recommend that you have your string and cables replaced at your local pro shop or the Ravin Service Department. To obtain service on your Ravin Crossbow please contact our Service Department at:

**Ravin Crossbows, LLC**  
**3535 Tower Ave.**  
**Superior, WI 54880**  
**Phone: 715.718.3574**  
**rvnsales@velocity-outdoor.com**

CAREFULLY READ THE ENTIRE MANUAL and its warnings before using your Ravin Multi Press. It explains the operation of the Ravin Multi Press, handling, and warns of the potential danger, including property damage, serious personal injury, or death that can result from using it unsafely. Your safety and the safety of others requires that you always remain aware of the danger inherent in using your Ravin Multi Press.

Improper use of the Ravin Multi Press is extremely dangerous. To minimize risk of death or serious injury while servicing your Ravin Crossbow:

- Always wear safety glasses.
- Unload and fully uncock your Ravin Crossbow before servicing.
- Use only the Ravin Multi Press on your Ravin Crossbow.
- Do not use the Ravin Multi Press on any other crossbows.
- Do not modify your Ravin Multi Press.
- Do not over-compress the limbs with the Ravin Multi Press.
- Seek a qualified professional to change the limbs on your Ravin Crossbow.
- Return your Ravin Crossbow to our Service Department to replace a damaged or worn cocking strap.
- Only use manufacturer-approved replacement parts.
- Contact Customer Service at 715.718.3574 if you have any questions.
- The warranty for your Ravin Multi Press is void if any of the following occur:
  - The instructions in the manual are not followed.
  - Use of the Ravin Multi Press on any other crossbows.
  - Use of replacement parts not approved by the manufacturer.
  - The Ravin Multi Press is modified from its original condition.
  - Damage is caused by abuse or neglect.

Use only manufacturer-approved replacement parts on both your Ravin Crossbow and Ravin Multi Press. Use of replacement parts not approved by Ravin will void both warranties!

The Ravin Multi Press was specifically designed to compress the limbs to change the string and cables, and to unstring the Ravin Crossbow. Use only the Ravin Multi Press to compress the limbs on your Ravin Crossbow. Do not use the Ravin Multi Press on any other crossbow.

The cocking strap (if equipped) can only be replaced by the Ravin Service Department.

Your Ravin Crossbow limbs can be compressed while the scope is mounted to the bow. However, for ease of use we recommend you remove the scope from the rail.

Ravin R26/R29/R29X require uninstalling the scope rail prior to compressing the limbs. See the Ravin website ([ravincrossbows.com](http://ravincrossbows.com)) for instructions on how to properly uninstall the scope rail.

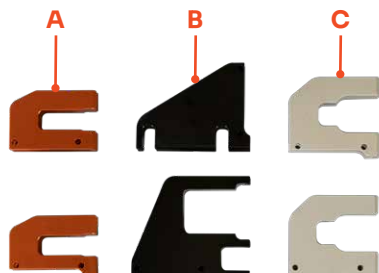
If you elect to replace the string and cables yourself, carefully read and understand these instructions and its warnings before using your Ravin Multi Press.

## SECTION 2 - PREPARING MULTI PRESS FOR USE

1. Four primary components of the Ravin Multi Press (**Figure 1**).



- A. **T-Handle** – Can be turned by hand, with a ½" combination wrench, or ½" socket and driver.
  - B. **Stationary Base** – Remains stationary when compressing the limbs.
  - C. **Adjustable Base** – moves within the channel on the rail as you rotate the T-Handle.
  - D. **Rail** – Guides the adjustable base. The cam axles on most Ravin models slide within the channel when properly seated.
2. The Ravin Multi Press has interchangeable blocks that will fit either the corresponding stationary or adjustable base to properly compress any Ravin model crossbow limbs. The blocks are labeled and color coded (**Figure 2**) to identify various models:



- A. **Orange** – R9/10/15/20/26/29/29X
- B. **Black** – R18
- C. **Grey** – R500 Series

3. Installing the block:

- a. Select the stationary and adjustable block that matches your model Ravin Crossbow.
- b. Both blocks will have a slot at the bottom that will fit over the tab on a matching base. The adjustable block will have a step at the front of the block to prevent installation on the wrong base (**Figure 3**).
- c. Locate the adjustable base. It will be on the side that does not have a T-handle.
- d. Locate the step on the bottom of the adjustable block and point it towards the stationary base. Place the slot on the bottom of the adjustable block on the tab at the top of the adjustable base and align the holes on the side of the block with the holes in the side of the tab on the adjustable base (**Figure 4**). Install a shoulder bolt in each hole. Thread and tighten a nut on each of the two shoulder bolts.
- e. Repeat steps c thru d with a stationary block and base. The stationary block will not have a step on the bottom (**Figure 5**). Make sure the color and block label match your Ravin model crossbow.



Figure 3

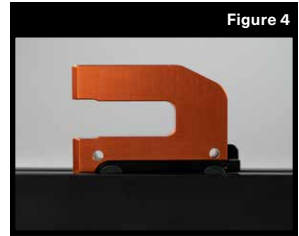


Figure 4



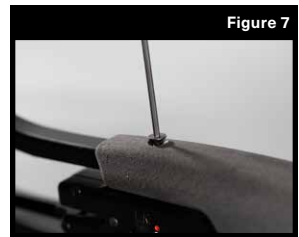
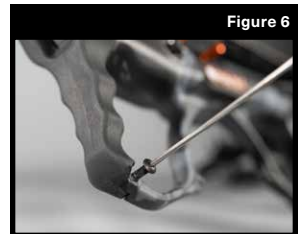
Figure 5

## SECTION 3 - PRESSING A RAVIN CROSSBOW

- Ensure your Ravin Crossbow is unloaded and uncocked!
- Always wear safety glasses.
- Unload and fully uncock your Ravin Crossbow before servicing.
- Use only the Ravin Multi Press on your Ravin Crossbow.
- Do not use the Ravin Multi Press on any other crossbows.
- Do not modify your Ravin Multi Press.
- Do not over-compress the limbs with the Ravin Multi Press.
- Verify the blocks install on the bases match the Ravin Crossbow being pressed.

### ALL MODELS EXCEPT R18

1. **Model R9/R10/R15/R20/R500 Series** – skip to step 3.
2. **Model R26/R29/R29X** – the scope rail must be removed to use the press.
  - a. Remove the screw at the bottom of the grip (**Figure 6**).
  - b. Remove the screw on the top front of the cheek pad (**Figure 7**).
  - c. Grasp the cheek pad near the top front. Pull up and rearward to remove the cheek pad (**Figure 8**).
  - d. Locate the two screws at the back of the scope rail and remove (**Figure 9**).
  - e. Locate the two screws at the front of the scope rail. They thread into a bridge nut underneath the archway. Remove the two screws and the bridge nut will fall away from the archway when the screws are removed.
  - f. Your Ravin Crossbow is now ready to be installed in the Multi Press.
3. Rotate the T-Handle clockwise to move the adjustable block until it is at least 11 inches away from the stationary block. The T-Handle can be rotated by hand or with a ½" driver.



4. Lay the Ravin Multi Press on the table with the blocks in the upright position (**Figure 10**).
5. Turn the Ravin Crossbow upside down. Slowly move the front end of the Ravin Crossbow between the stationary block and the adjustable block until the limb axle mounts are centered on the blocks (**Figure 11**).
6. Lay the Ravin Crossbow on the rail of the Ravin Multi Press (**Figure 12**). The cam axles will set inside the channel on the rail of the Ravin Multi Press.
7. Slide the Ravin Crossbow toward the stationary block until it touches, keeping the axles in the channel. The limb axle mount on the limb closest to the stationary block should seat into the radius on the stationary block (**Figure 13**).
8. Slowly rotate the T-Handle clockwise moving the adjustable block until it contacts the limb axle mount. Make sure the limb axle mount is centered on the radius on the adjustable block. Verify that the limb axles are in the channel on the Rail (**Figure 14**).
9. Rotate the T-Handle slowly until the string and cables have enough slack to be removed (**Figure 15**). Do not compress the limbs too far or damage to the Ravin Crossbow may result.
10. When changing string and cables, be careful not to add or remove twists from the string and cables during installation as this can be detrimental to performance and accuracy.
11. To un-compress the limbs slowly rotate the T-Handle counterclockwise. Periodically check to ensure the string remains in the cam groove and end loops are properly seated on the anchor posts and bushings (**Figure 16, 17, & 18**).
12. When the string and cables are at full tension remove your Ravin Crossbow from the Ravin Multi Press.

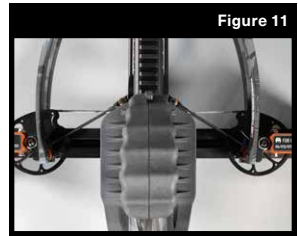


Figure 10



Figure 12



Figure 13

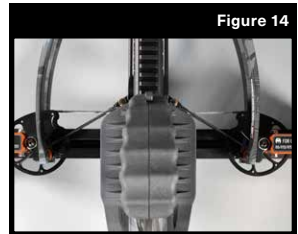


Figure 14

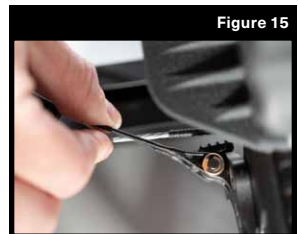


Figure 15



Figure 16

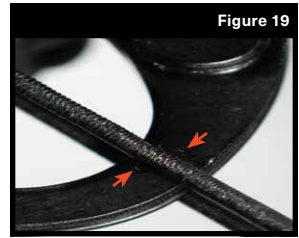


Figure 17



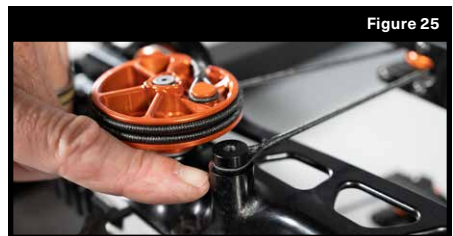
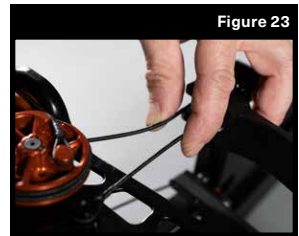
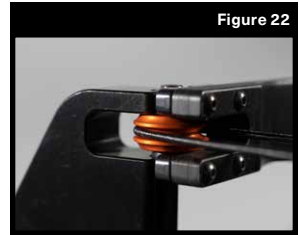
Figure 18

13. Turn your Ravin Crossbow over and check the cam timing. The upper cable should be between the dots on the cam (**Figure 19**). If the cable is outside the dots on either cam contact Ravin Service Department.



## R18

1. Rotate the T-Handle clockwise to move the adjustment block until it is at least 11 inches away from the Stationary Block. The T-Handle can be rotated by hand or with a 1/2" driver.
2. Lay the Ravin Press on the table with the blocks in the upright position.
3. Turn the R18 Ravin Crossbow on its side with the bottom of the bow facing the stationary block.
4. Put the Crossbow between the stationary block and the adjustable block. Locate the cable anchor arms on the frame (**Figure 20**) and seat it in the radius on the stationary block (**Figure 21**).
5. Slowly rotate the T-Handle clockwise sliding the adjustable block until it contacts the limb axle mounts on the limbs (**Figure 22**). Make sure the limb axle mounts are centered on the radius on the adjustable blocks.
6. Rotate the T-Handle slowly until the string and cables have enough slack to be removed (**Figure 23**). Do not compress the limbs too far or damage to the Ravin Crossbow may result.
7. When changing strings and cables, be careful not to add or remove twists from the strings and cables during installation as this can be detrimental to performance and accuracy.
8. Slowly rotate the T-Handle counterclockwise to un-compress the limbs. Periodically check to ensure the string and cables remain in the grooves and end loops are properly seated on the anchor posts. (**Figure 24 and 25**).
9. When the string and cables are at full tension remove your Ravin Crossbow from the Ravin Multi Press.



## SECTION 4 - MAINTENANCE

The warranty for your Ravin Press is void if any of the following occur:

- The instructions in the manual are not followed.
- Use of the Ravin Press on any other crossbows.
- Use of replacement parts not approved by the manufacturer.
- The Ravin Press is modified from its original condition.
- Damage is caused by abuse or neglect.

Regular inspection and maintenance will extend the life of your Ravin Press.

1. **General.** Check for worn or loose parts.
2. **Lubrication.** Periodically apply a light coating of lubrication to the moving parts on your Ravin Press.
3. **Service.** To obtain service please contact our Service Department at:

**Ravin Crossbows, LLC**  
**3535 Tower Ave.**  
**Superior, WI 54880**  
**Phone: 715.718.3574**  
**[rvnsales@velocity-outdoor.com](mailto:rvnsales@velocity-outdoor.com)**

## SECTION 5 - LIMITED WARRANTY

Congratulations on the purchase of your new Ravin Multi Press (“the Ravin Press”) from Ravin Crossbows, LLC (“Ravin”). By using the Ravin Press you are agreeing to be bound by the terms of this Limited Warranty.

With proper usage and care you will enjoy many years of use. It is important to follow proper safety, assembly and equipment usage procedures. This information is located in your manual. Serious injuries to yourself or others, damage to your Ravin

Crossbow, or poor performance from your Ravin Crossbow could result from failure to thoroughly read, understand, and follow these instructions. If any part of this manual is unclear to you, further information is available at:

[ravinrossbows.com/support](http://ravinrossbows.com/support) or contact the Service Department at 715.718.3574

### Five-Year Non-Transferable Limited Warranty

A new Ravin Press is covered under a five-year limited warranty against defects in materials and workmanship when used normally in accordance with our published instructions and guidelines. Our liability extends to parts, labor and return transportation to the customer and is non-transferable. This limited warranty does not cover damage to your Ravin Crossbow, transportation of the Ravin Press to our Service Center; damage caused by abuse, using the Ravin Press on any other crossbows, failure to follow safety advice, and usage instructions in the manual, modification or failure to perform normal maintenance; or any other expenses or damage to property or person. This warranty gives you specific legal rights and you may also



have other rights that vary from state to state.

To obtain service: Please call for a return authorization number (RA#) prior to sending the unit and write the RA# on the outside of the package. Attach to the product your name, address, telephone number and a letter describing the problem. Carefully package and return product prepaid, clearly writing the RA# below the address. Return the unit to an authorized Service Center or directly to the factory. For a listing of authorized service centers please call the factory at the number listed below. A Ravin Multi Press deemed to be covered under the five-year warranty will be repaired and shipped to you at no charge. You will be responsible for the shipping charges into the service center, and possibly labor charges for repairs completed at a non-factory authorized service center. A Ravin Multi Press not covered under this warranty will be subject to normal charges. We will obtain your permission before we repair your Ravin Multi Press if it is not covered by warranty.

For further inquiries contact the Service Department:

**Ravin Crossbows, LLC**  
**3535 Tower Ave.**  
**Superior, WI 54880**  
**Phone: 715.718.3574**  
**rvnsales@velocity-outdoor.com**

Any cause of action you may have with respect to the terms of this Limited Warranty must be brought within one (1) year of when the cause of action arose. If any portion of this Limited Warranty is held to be invalid, such holding shall not invalidate the other provisions. This Limited Warranty constitutes the entire agreement between you and Ravin, and all promises, representations, understandings, warranties, and agreements with reference to the subject matter hereof and inducements for purchasing the Ravin Press relied upon by you are expressed herein. The validity, performance, and construction of this Limited Warranty shall be governed and interpreted in accordance with the laws of Wisconsin. The Parties hereby consent and submit to the exclusive jurisdiction of any of the federal or state courts located in the State of Wisconsin with respect to the enforcement of any rights or remedies hereunder.

**DISCLAIMER: TO THE EXTENT PERMITTED BY LAW, THIS LIMITED WARRANTY AND THE REMEDIES SET FORTH ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REMEDIES AND CONDITIONS, WHETHER ORAL, WRITTEN, STATUTORY, EXPRESS OR IMPLIED. RAVIN DISCLAIMS ALL STATUTORY AND IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WARRANTY OF NON-INFRINGEMENT OF THIRD-PARTY RIGHTS, AND WARRANTIES AGAINST HIDDEN OR LATENT DEFECTS, TO THE EXTENT PERMITTED BY LAW. IN SO FAR AS SUCH WARRANTIES CANNOT BE DISCLAIMED, RAVIN LIMITS THE DURATION AND REMEDIES OF SUCH WARRANTIES TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL RAVIN BE LIABLE FOR ANY CONSEQUENTIAL, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR PUNITIVE DAMAGES, ARISING OUT OF OR RELATING TO ANY BREACH OF THE TERMS OF THIS LIMITED WARRANTY, AND NOTWITHSTANDING THE FAILURE OF ANY AGREED OR OTHER REMEDY OF ITS ESSENTIAL PURPOSE. LIMITATIONS OF LIABILITY: TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY, AND THE SOLE LIABILITY OF RAVIN FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES ARISING OUT OF OR RELATING TO ANY BREACH OF THE TERMS OF THIS LIMITED WARRANTY, SHALL NOT EXCEED THE PRICE PAID FOR THE RAVIN PRESS.**

# FIELD NOTES

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