

Insert-Pro™ Raised Panel and Back Cutter Instructions

84-00x

Congratulations on your purchase of the Infinity Cutting Tools Insert-Pro™ Raised Panel Shaper Cutter or Radius Backcutter. We're confident that you will appreciate the versatility and exceptional performance of this customizable woodworking shaper cutter system.

Before using your new Insert-Pro™ Rail & Stile Cutter, please read through these easy-to-follow instructions. If you have any questions about setup or use of the system at any time, contact us directly and one of our experienced technicians will be able to assist you. Take special notice of any highlighted areas in these instructions as they contain important information about the setup of your system, and please take all necessary precautions to ensure that you are working in a safe environment and manner.

- Raised Panel Knife Installation Instructions. (Follow the same procedure for 84-010 Backcutter Knife replacement)
 - o Remove the two (2) Pan Head Screws from the cutter body (only 1 screw for 84-010)
 - Choose the appropriate profile knives for your project and cutterhead rotation (clockwise or counterclockwise)
 - 1. Replacement profile knives are available in multiple profiles and will interchange into the RPB-001 head
 - a. All CIK-00X.SX and CIK-00X.DX knives will work in Second Generation RPB-001 Head
 - b. The First Generation RPB-001 body is NOT Compatible with CIK-00X.DX knives
 - c. CIK-00X.SX Knives will cut in a face-up orientation when run in standard (counterclockwise) rotation.
 - i. SX knives are required for use with the 84-010 Insert Pro Backcutter.
 - d. CIK-001.DX knives will cut in a face-down orientation when run in standard (counterclockwise) rotation
 - e. When replacing knives, ensure that the head is clean and free of sawdust and buildup
 - Install the Knife into the Cutterhead
 - 1. Ensure that the knife seats fully into the cutter body
 - 2. Ensure that the knife is fully seated against the Stop Screw at the top of the cutter head
 - 3. Reinstall the two (2) pan head screws through the holes in the knife and into the cutter head. (only 1 screw for 84-010)
 - Use the provided screwdriver to tighten screws to avoid over tightening.
 - 4. Repeat steps 1-3 for second knife.
 - If switching between SX knives and DX knives the stop screws on the top of the head will need to be moved to the opposite locations.

NOTE: It is important to note that the Second Generation Insert Pro Raised Panel Head is made to allow knives to be mounted for either face-up or face-down workpiece orientation when run in standard (counterclockwise) rotation. Ensure that the correct knives are installed in the correct location otherwise damage to the knives will occur. Refer to the photo below to ensure proper installation for your application.

^{*}Photo of SX and DX Installation*

Cutter Head Installation Instructions

- The Raised Panel Head can be run in multiple configurations for different applications.
 - For back-cut raised panels use the 84-00X.SX with a <u>RUB-103</u> rub collar and an <u>84-010 Radius</u>
 Backcutter, (will produce a ¼" tongue thickness)
 - Install the 84-010 Backcutter first
 - Install RUB-103 second
 - Install 84-00X.SX third
 - Insure shaper is set for standard (counter-clockwise) rotation
 - For dual-sided raised panels for Interior doors, use both <u>84-00X.SX and 84-00X.DX</u> with a <u>RUB-103</u> rub collar. This will produce a ¼" tongue thickness compatible with <u>84-05X</u> interior door system.
 - Install 84-00X.DX first
 - Install RUB-103 second
 - Install 84-00X.SX third
 - Ensure shaper is set for standard (counter clockwise) rotation
 - For dual-sided raised panels for exterior doors (compatible with <u>84-05X interior door system</u> and <u>84-058</u> exterior door kit) use both <u>84-00X.SX and 84-00X.DX</u> with <u>RUB-103</u> rub collar and 84-058F spacer. This produces a 15mm tongue thickness. 84-058F is included with 84-058 exterior door kit.
 - Install 84-00X.DX first
 - Install RUB-103 rub collar second
 - Install 84-058F spacer third
 - Install 84-00X.SX fourth
 - Insure shaper is set for standard (counter-clockwise) rotation