

Woodpeckers®

SF-PRO ROUTER TABLE FENCE

OWNER'S MANUAL

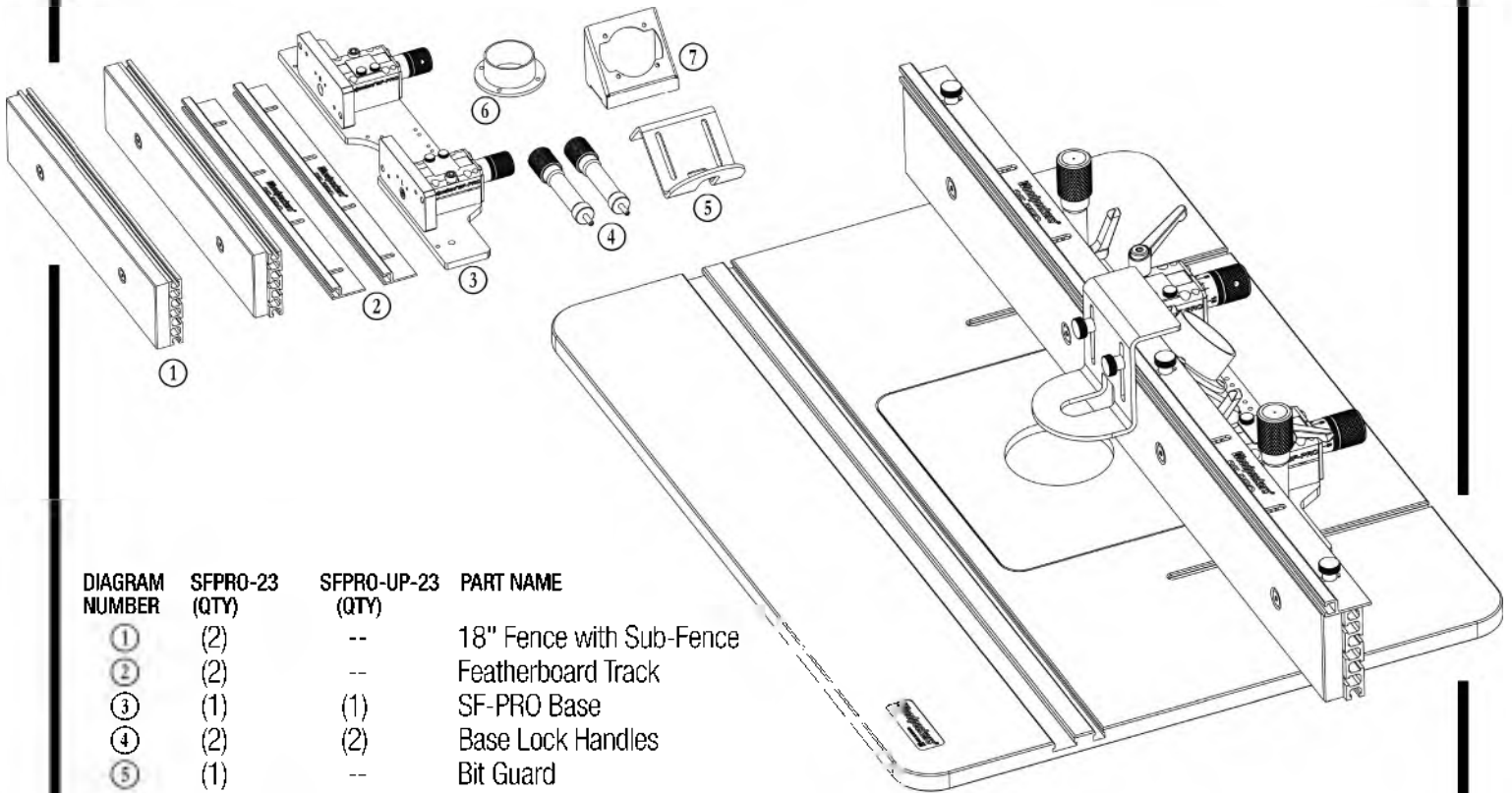


DIAGRAM NUMBER	SFPRO-23 (QTY)	SFPRO-UP-23 (QTY)	PART NAME
①	(2)	--	18" Fence with Sub-Fence
②	(2)	--	Featherboard Track
③	(1)	(1)	SF-PRO Base
④	(2)	(2)	Base Lock Handles
⑤	(1)	--	Bit Guard
⑥	(1)	(1)	Dust Port
⑦	(1)	(1)	Dust Port Bracket
HARDWARE			
	(2)	(2)	3/8-16 x 1-1/4" Adjustable Lever Handle
	(4)	(4)	1/4-20 x 1" Adjustable Lever Handle
	(4)	(4)	1/4" USS Washer
	(6)	(6)	SF-PRO Anti-Rotation T-Nut
	(4)	(4)	#10-32 x 1/2" Button Head Cap Screw
	(4)	(4)	#10-32 Thin Nylon Locknut
	(4)	(4)	#10-32 x 3/8" Button Head Cap Screw
	(6)	--	1/4-20 Oval Nut
	(6)	--	1/4-20 x 3/4" Thumbscrew
	(6)	--	Black Nylon Spacer
	(1)	--	4mm Hex Key



Scan the QR code above to watch the video or visit woodpeck.com under the video tab towards the bottom of the product page.

If you think you're missing anything, email us at mailroom@woodpeck.com.
You can also call us at 800-752-0725 from 9:00 a.m. to 4:00 p.m. EST Monday - Friday.

I. ASSEMBLING DUST PORT HOUSING

AT THIS POINT YOU WILL NEED:

- ③ SF-PRO Base
- ⑥ Dust Port
- ⑦ Dust Port Bracket

• HARDWARE:

- #10-32 x 1/2" Button Head Cap Screw (4)
- #10-32 Thin Nylon Lock Nut (4)
- #10-32 x 3/8" Button Head Cap Screw (4)

1. Attach the Dust Port Bracket ⑦ to the SF-PRO Base ③ using the #10-32 x 3/8" Button Head Screws and 1/8" hex key. Ensure that the front edges of the Dust Port Bracket ⑦ are slightly back from the front straight edge of the SF-PRO Base ③ (the Dust Port Bracket can still be adjusted later through the Dust Port using a ball end screwdriver type hex key). **FIGURE 1**

2. Attach the Dust Port ⑥ to the Dust Port Bracket ⑦ using the #10-32 x 1/2" Button Head Screws and the #10-32 Thin Nylon Lock Nuts with the 1/8" Hex Key and a 3/8" open end wrench.

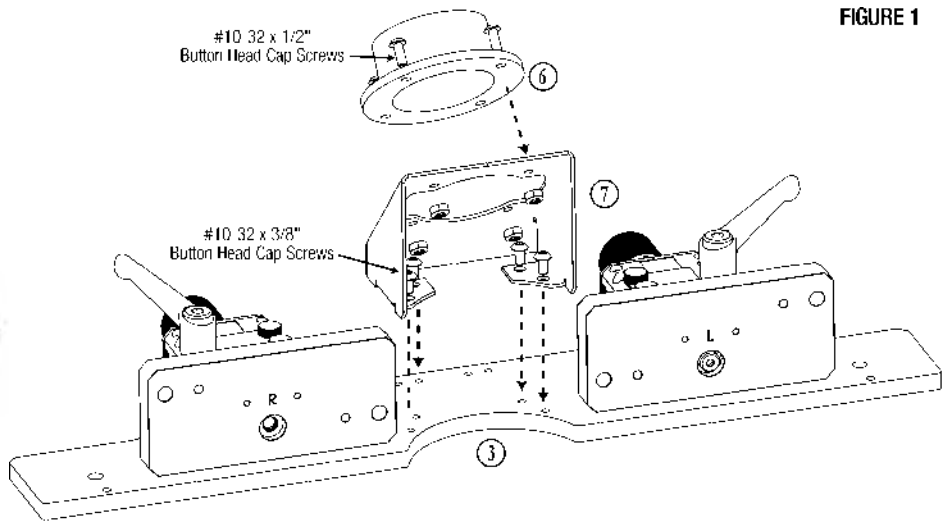


FIGURE 1

II. ASSEMBLING FENCE & SUB-FENCES

AT THIS POINT YOU WILL NEED:

- ① 18" Fence with Sub Fence
- ③ SF-PRO Base

• HARDWARE:

- 1/4-20 x 1" Adjustable Lever Handle (4)
- 1/4" USS Washer (4)
- SF-PRO Anti-Rotation T-Nut (4)

1. Install the Adjustable Lever Handles, 1/4" USS Washers and Anti-Rotation Nuts into each of the two fence brackets. The smooth dowel of the Anti-Rotation Nut goes into the smaller of the two holes at each location. **FIGURE 2**

NOTE: The Adjustable Lever Handles can be tightened faster at initial installation with use of a T15 Torx bit. Simply pull back on the handle, then use the T15 Torx bit to spin the fastener.

2. The sub-fences are factory-installed to the aluminum track. Slide the 18" Fence with Sub-Fence ① onto the Anti-Rotation Nuts. The first nut goes in the higher aluminum fence slot, and the second nut goes into the lower slot. **FIGURE 3**

3. Tighten the 18" Fence with Sub-Fence ① into place using the Adjustable Lever Handles. Repeat steps for the other Fence.

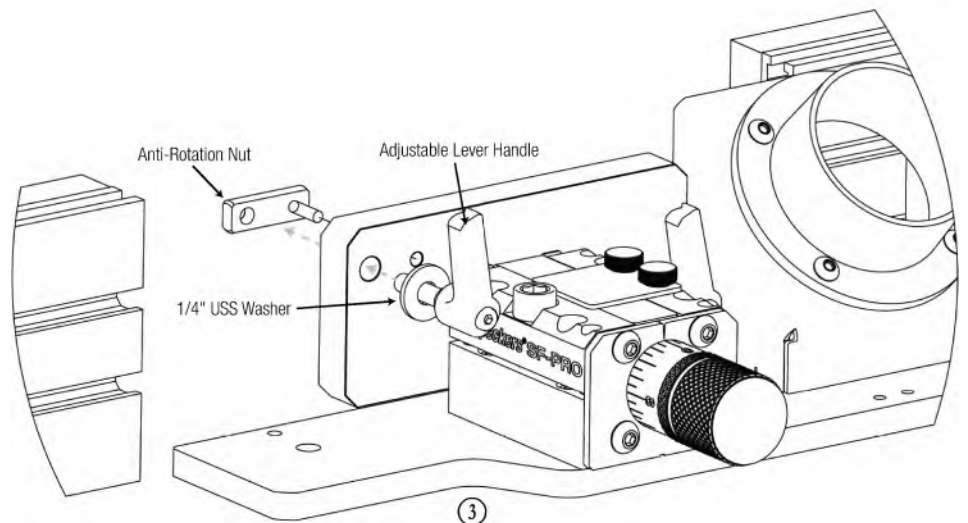


FIGURE 2

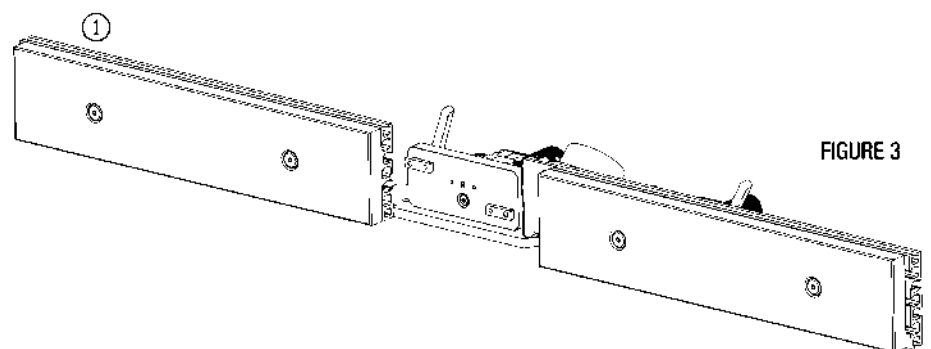


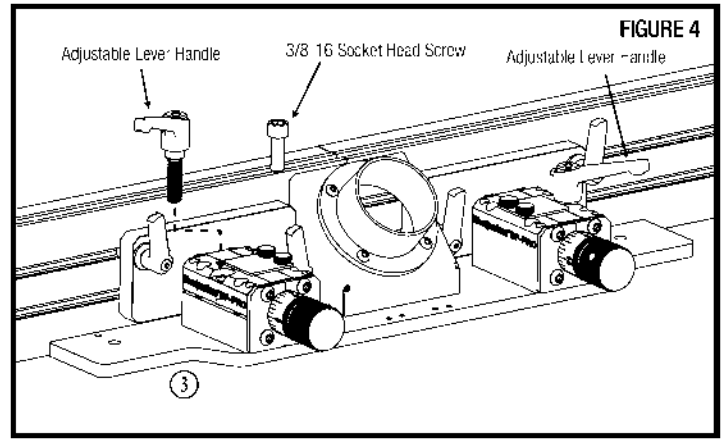
FIGURE 3

III. ASSEMBLING MICRO-ADJUST MODULE BLOCKS

AT THIS POINT YOU WILL NEED:

- ③ SF-PRO Base
- **HARDWARE:**
 - 3/8-16 x 1-1/4" Adjustable Lever Handle (2)

1. Remove the 3/8-16 Socket Head Screws used to secure the offset modules for shipping.
2. Install the 3/8-16 x 1-1/4" Adjustable Lever Handle in its place, fully tighten to secure the position of the offset module. **FIGURE 4**

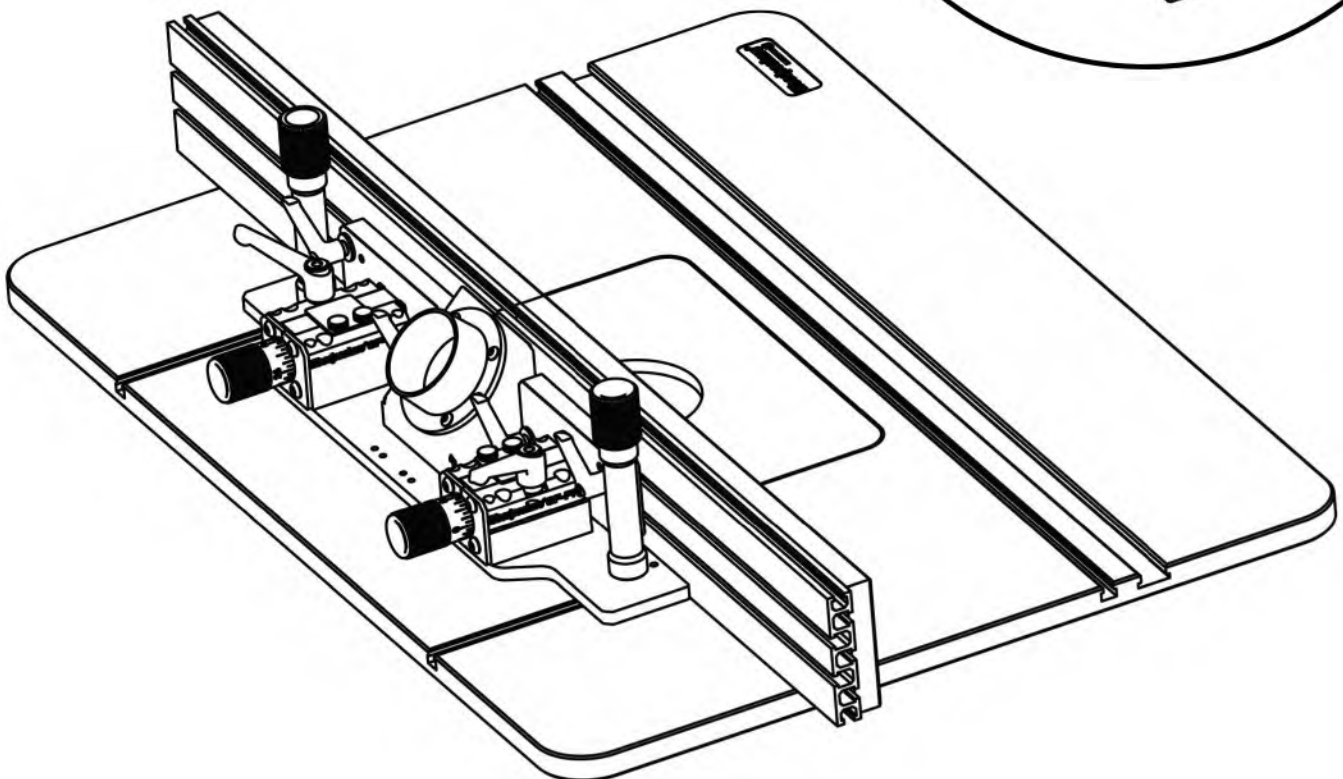
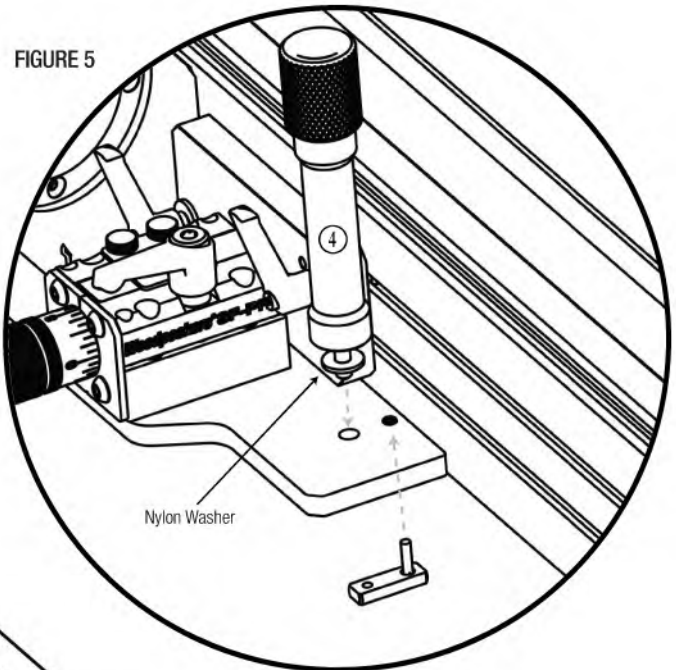


IV. INSTALLING THE FENCE TO THE TABLE

AT THIS POINT YOU WILL NEED:

- ③ SF-PRO Base
- ④ Base Lock Handles
- **HARDWARE:**
 - SF-PRO Anti-Rotation T-Nut (2)
 - Black Nylon Washers

1. Install the Base Lock Handles ④ into the SF-PRO Base ③. **FIGURE 5**
2. The smooth dowel of the Anti-Rotation Nut goes into the smaller hole at each location. The 1/4-20 threaded hole should then align with the larger hole. Thread the Base Lock Handles with the black nylon washers through the SF-PRO Base and into the threads in the Anti-Rotation Nut.
3. Next, install into table t-slots. The Anti-Rotation Nut is forced into parallel alignment, but may require some downward pressure on or loosening of the handles to get started into the table t-slots.

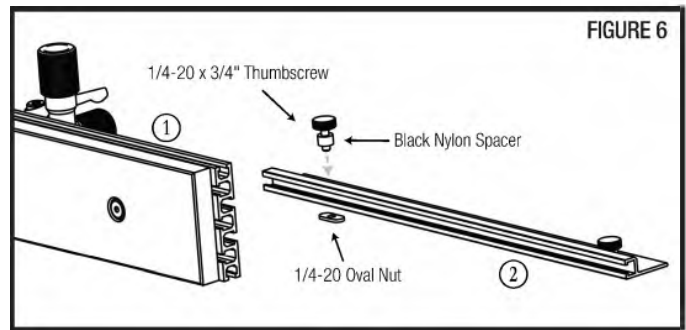


V. ATTACHING FEATHERBOARD TRACK

AT THIS POINT YOU WILL NEED:

- ② Featherboard Track
- **HARDWARE:**
 - 1/4-20 Oval Nut (4)
 - 1/4-20 x 3/4" Thumbscrew (4)
 - Black Nylon Spacer (4)

1. The Featherboard Track ② can be installed on one or both Fences ①. They are used in instances where a featherboard needs to be used along with a sacrificial wooden fence.
2. Each Featherboard Track ② is attached with 1/4-20 x 3/4" Thumbscrews, Black Nylon Spacers, and 1/4-20 Oval Nuts. Assemble the hardware into the Featherboard Track ②, then slip the Oval Nuts into the top T-slot of the Fence ①. Tighten both Thumbscrews to secure.

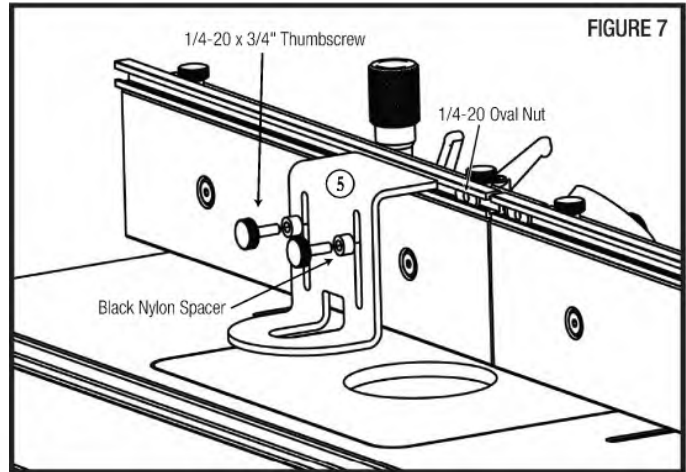


VI. ATTACHING THE BIT GUARD

AT THIS POINT YOU WILL NEED:

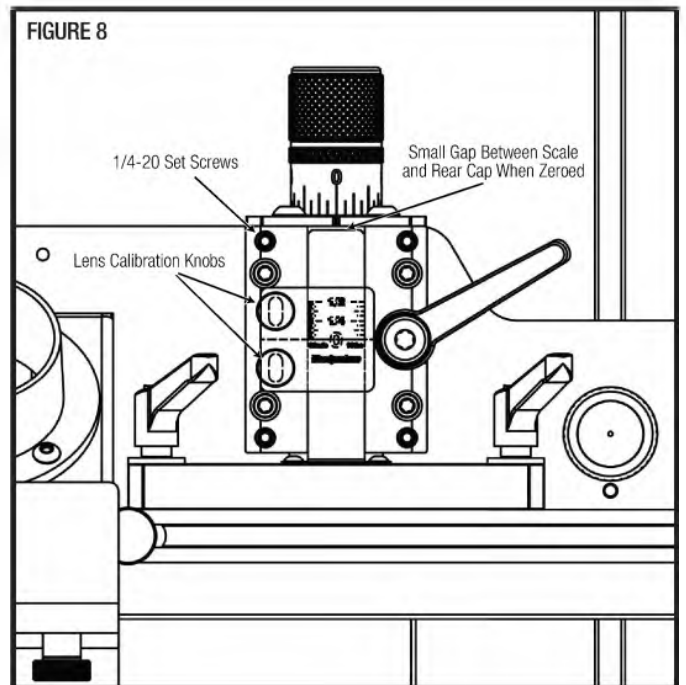
- ⑤ Bit Guard
- **HARDWARE:**
 - 1/4-20 Oval Nut (2)
 - 1/4-20 x 3/4" Thumbscrew (2)
 - Black Nylon Spacer (2)

1. The Bit Guard ⑤ can be attached directly into the slots of the 18" Fence with Sub-Fence ①, or into the slot of the Featherboard Track ②. It attaches the same in either case.
2. Pre-assemble the 1/4-20 x 3/4" Thumbscrews, Black Nylon Spacers, and 1/4-20 Oval Nuts into each of the two slots of the Bit Guard ⑤.
3. Slide the Oval Nut into the T-slot in the Featherboard Track ② or any of the slots in the Fence ①.
4. Position the Bit Guard ⑤ in the desired location and tighten both knobs.



VII. INITIAL ZEROING OF THE OFFSET MODULES

1. Loosen the Adjustable Lever Handle and retract the infeed offset module fully. (*The offset module will stop when the stainless steel scale contacts the rear stainless steel cap.*)
2. Loosen the two Thumbscrews securing the lens, and set to align the hairline to zero at this position.
3. Next, extend the infeed offset module to roughly 1/32" (this should create a small gap between the scale and the rear cap, near the dial).
4. Snug down the Adjustable Lever Handles to secure this position.
5. Loosen the #10-32 socket head cap screws securing the infeed offset module to the SF-PRO Base using a 5/32" hex key.
6. With the socket heads loose, apply pressure to the Fence so that the rear side is in contact with the front straight edge of the SF-PRO Base. This will square and align the correct zero position for this side.
7. Retighten the (4) socket head cap screws while applying pressure to secure the alignment.
8. Reset the lens to zero at this new position.
9. Repeat all steps with the outfeed offset module to establish the zero setting and rough alignment. **FIGURE 8**



VIII. ALIGNING INFEED & OUTFEED FENCES PARALLEL

1. After completing the initial zeroing of the offset modules, parallel alignment can be checked and adjusted. A reliable straight edge is required for this step. **FIGURE 9**
2. Adjustment can be made to either the infeed or outfeed offset modules by loosening the #10-32 socket head cap screws and checking against a reliable straight edge.
3. Either offset module can be adjusted to ensure that the Fences are coplanar in addition to parallel, by using the offset functionality until there is no detectable difference between the two sides.
4. Reset the lens zero position for each side as required once the fences are made coplanar and parallel.

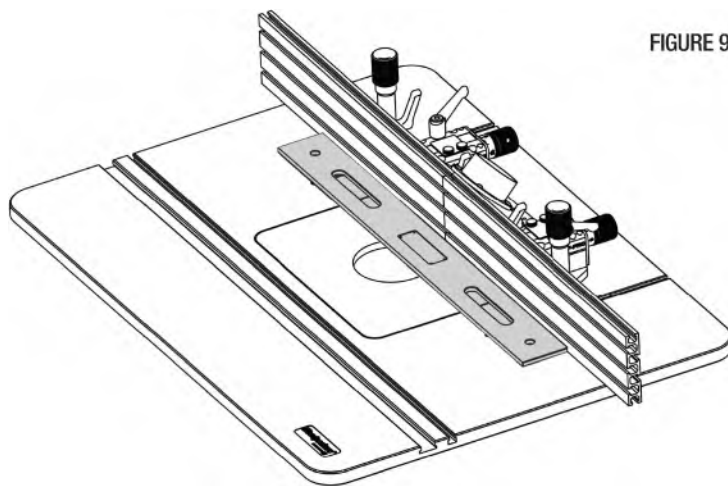


FIGURE 9

IX. SQUARING THE FENCE TO THE TABLE

1. Both offset modules can be independently squared relative to the table.
2. There are (4) 1/4-20 set screws in each offset module that can be adjusted.
3. Use a reliable square to check if the fence face is square to the table/lift plate.
4. If there is a gap at the top, the rear adjustment screws should be used.
5. If there is a gap at the bottom, the front adjustment screws should be used.
6. In either case, once it is determined which screws to adjust, loosen only the (2) adjacent #10-32 socket head screws. Loosening all 4 at once will make you lose the previously made adjustments.
7. Then, use a 1/8" hex key to adjust the 1/4-20 set screws until the square checks good.
8. Typically one set screw will be enough to move the Fence into square, then the second set screw can be adjusted until it just touches (or begins to adjust the squareness again).

NOTE: The set screws have a thread locking patch that may make it feel as though it is already tight/contacting.

9. You may need to re-adjust one side to get both fences coplanar again. Re-zero the lens on the top scale if necessary.

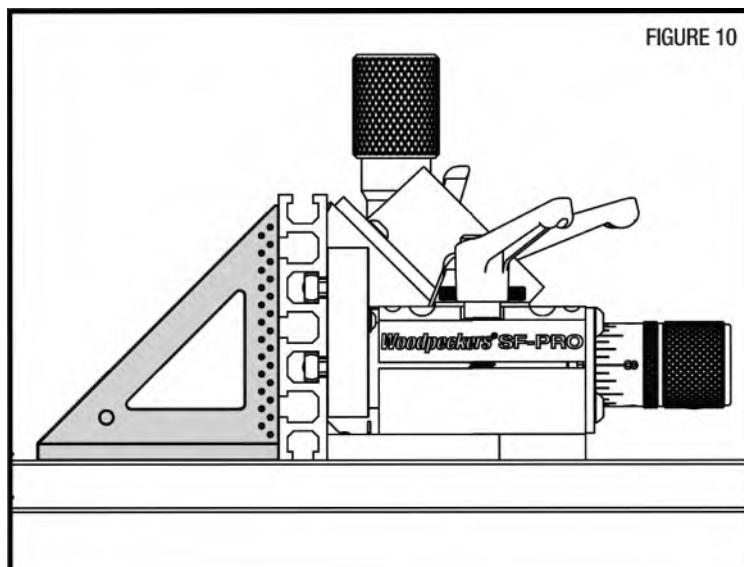


FIGURE 10

X. USING THE OFFSET MODULES

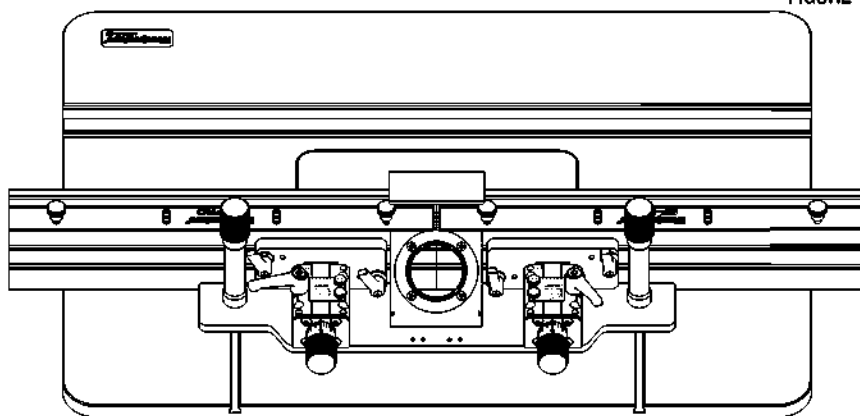
FIGURE 11

1. To adjust the position of either offset module, loosen the adjustable lever handle, then turn the knob to the desired position. Retighten the adjustable lever handle to lock in the adjustment. **FIGURE 11**

2. The scale on top of each offset module has $1/16$ " graduations on one side and $1/32$ " on the other. To zero the lens, loosen the Thumbscrews and adjust lens.

3. The dial on the knob can be zeroed for measuring movements. For the inch version of the SFPRO, each division represents $.001$ " movement of the fence. The dial can be re-positioned to dial in exact movements. The divisions line up with the notch in the stainless steel rear cap.

4. One way to test parallel between the two Fences is to set up the Fences with an offset then checking the path the board takes as you rout the edge.



A. Set up the Fence so the router bit sits just proud of the Infeed Fence. Begin feeding the board across the router bit. Stop feeding the board and turn off the router once the board extends past the bit about 3". **FIGURE 12**

B. Use the offset module to bring the Outfeed Fence out until it just touches the new edge of the board.

C. Retract the board fully away from the router bit. Turn on the router and feed it completely past the router bit.

D. Snipe looks like a small offset at the end of the board which happens when the end slips off the Infeed Fence and dives into the router bit. This is caused by the Outfeed Fence being slightly behind the front edge of the router bit. **FIGURE 13**

E. Correct snipe by adjusting the Outfeed Fence again so it's lined up with the bit.

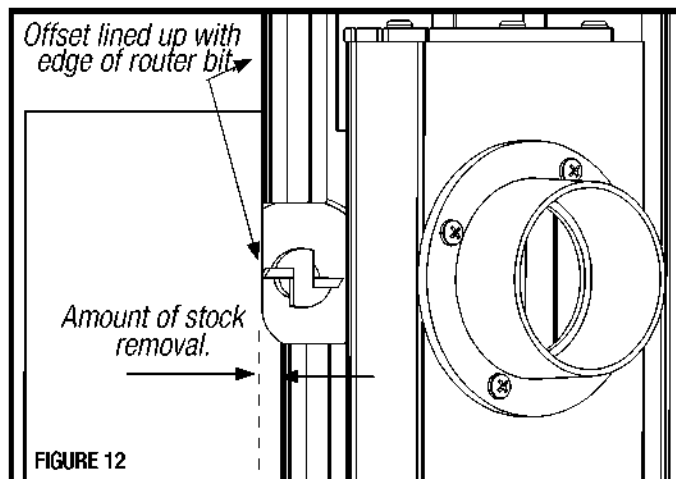


FIGURE 12

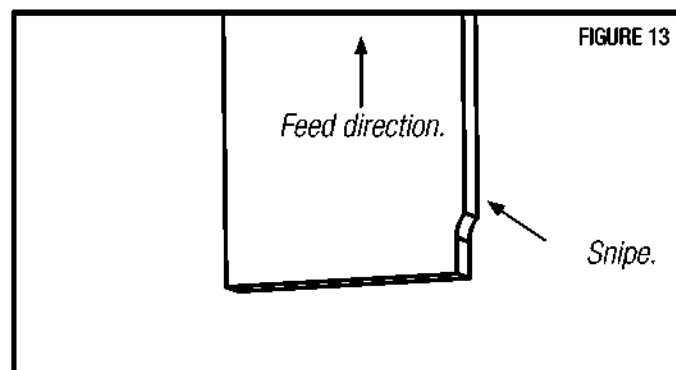


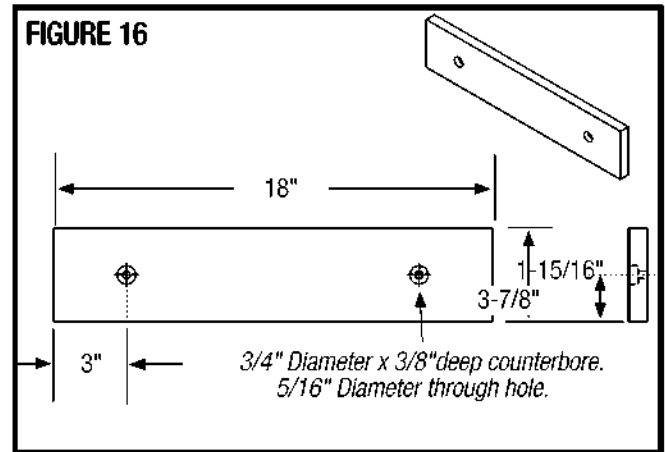
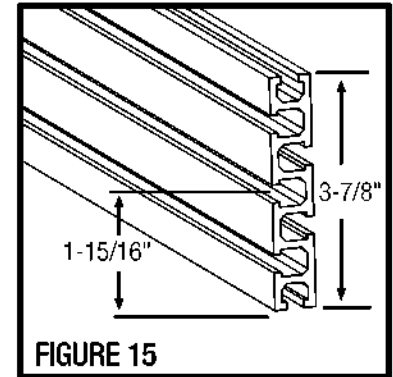
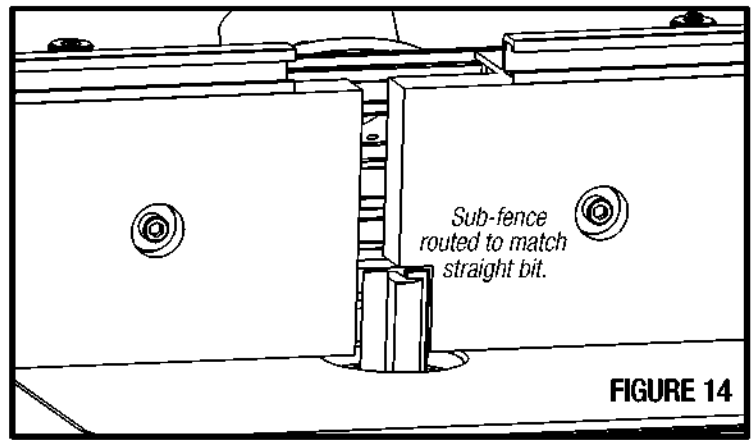
FIGURE 13

XI. SUPER TRACK FENCES

1. The gap at the Dust Port can be adjusted to the desired gap. To do so, loosen the Adjustable Handles on the Fence Brackets and slide the Fence to the desired location. Retighten the Adjustable Handles to lock the position.
2. The slots on the Fences can be used for Flip-Stops, featherboards or other similar accessories.

XII. SACRIFICIAL FENCES (SUB-FENCES)

1. Sub-Fences can be used or removed as required. The included 4mm Hex key fits into the connector bolts on the front side of the Fence.
2. There are a number of purposes for a sacrificial Sub Fence. Most often it's used to create zero clearance at the edges of the router bit. **FIGURE 14**
3. A good fit between the Fence and the bit reduces tear out. Dimensions needed to make sub-fences are shown. See **FIGURE 15 & 16**
4. Use a 3/4" thick piece of wood about 18" long and no more than 3-7/8" wide for a sub-fence. First drill two 3/4" diameter holes about 3/8" deep spaced up from the bottom edge by 1-15/16" and approximately 3" from each end. This large hole should have a flat bottom. The best way to accomplish that is with a Forstner or spade bit.
5. Once the large hole has been drilled, drill through the rest of the way with a 5/16" standard twist drill.
6. With the sub-fences complete, you're ready to install hardware and attach them to the fence.
7. Loosely install the hardware and slip the nuts into the center t-slot in the face of the aluminum fence. Repeat this for the other fence. **FIGURE 17**
8. One word about making a zero-clearance fence. Because the router bit spins toward the infeed, only the infeed fence needs to be routed to reduce tear out. In fact leaving the outfeed fence spaced slightly away from the router bit will improve dust collection.



XIII. DUST PORT

1. The Dust Port is sized to fit either 2-1/2" dust collection hose or 2-1/4" shop vac hose.

XIV. ACCESSORIES

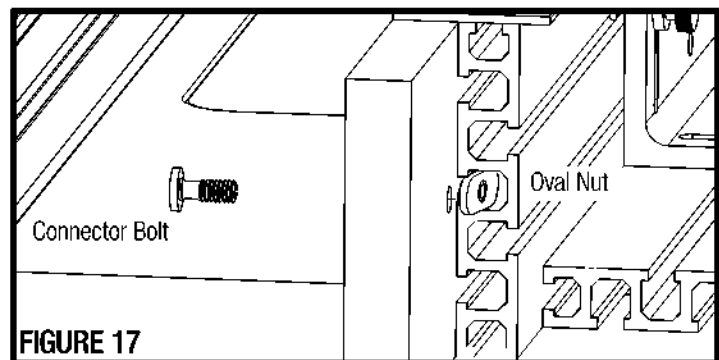
Additional Sub-Fences **SKU: SF-SUBFENCES**

Super Track Flip-Stops **SKU: STFSTOP**

Fence Micro Adjust **SKU: MICADJ**

*Not directly compatible. Contact customer service for details.

Variable Pressure Featherboards **SKU: VPFB**



Woodpeckers®

Woodpeckers, LLC Strongsville, Ohio
woodpeck.com
© 2023 Woodpeckers, LLC



woodpeck.com

At Woodpeckers we are constantly reviewing & improving our tools. The most current version of our instruction manuals are always available to download at woodpeck.com.

(Located in the bottom section of the tool's page under the "Additional Information" or "Instructions" tabs.)



Be the first to know all the new products, OneTIME Tools & sales by subscribing to our eClub. *(Located at the top center of our webpage woodpeck.com.)*



Subscribe to our YouTube channel to stay up-to-date on all the latest tool tips & tricks.



INTERACT WITH US! Follow us on Facebook, Instagram & TikTok!



Enjoy shop tips, project ideas, tool techniques & more in our Woodworking Resource Center/Blog. *(Located at the bottom center of our webpage woodpeck.com.)*



WARNING!

This product can expose you to chemicals, including chromium, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov