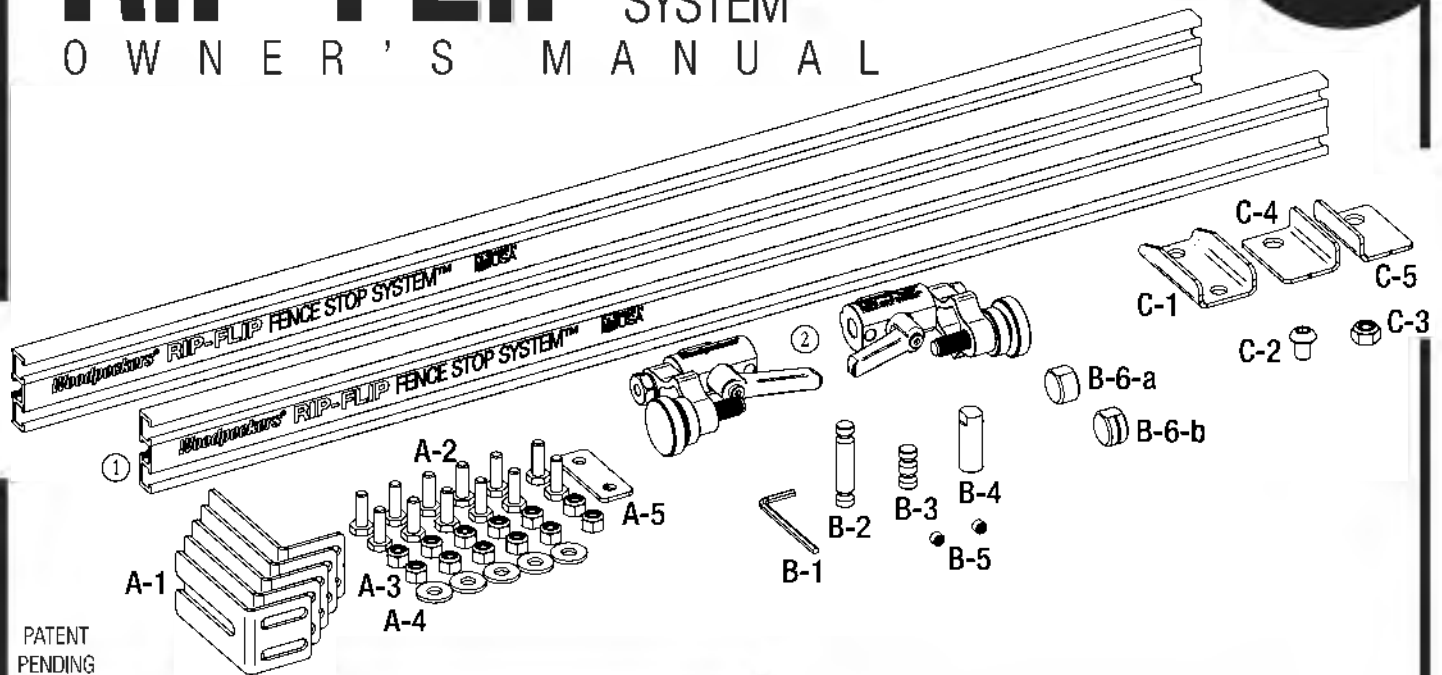


Woodpeckers®

RIP-FLIP FENCE STOP SYSTEM™

OWNER'S MANUAL

FITS
POWERMATIC
AND
BIESEMEYER
FENCES



PATENT
PENDING

30" Capacity - Fits Powermatic & Biesemeyer Fences RF-FS-30-PM
50" Capacity - Fits Powermatic & Biesemeyer Fences RF-FS-50-PM

DIAGRAM NUMBER	(QTY)	PART NAME
①	(2)	T-Slot Tracks
②	(2)	Rip-Flip Stops

HARDWARE BAG A-PM

30" 50"

A-1	(5)	(7)	Mounting Brackets
A-2	(12)	(16)	Hex Head Cap Screws 1/4"-20 x 3/4"
A-3	(12)	(16)	Nylon Locknuts 1/4"-20
A-4	(5)	(7)	Washers 1/4"
A-5	(1)	(1)	Track Coupling Plate

HARDWARE BAG B-PM

B-1	(1)	Hex Key 1/8"
B-2	(1)	Long Dado Coupling Pin
B-3	(1)	Short Dado Coupling Pin
B-4	(1)	Stop Extension
B-5	(2)	Cone Point Set Screw 1/4"-28
B-6	(2)	Brass Thread Caps (a)M10 x 1.5 (b)3/8-16

HARDWARE BAG C-PM

C-1	(1)	Clamping Handle Adapter Bracket
C-2	(1)	Bolt Head Cap Screw M8x1.25x12mm
C-3	(1)	Nylon Locknut M8x1.25x12mm
C-4	(1)	Right Hand Contact Plate
C-5	(1)	Left Hand Contact Plate

The Rip-Flip Fence Stop System allows you to make repeatable, accurate cuts on your table saw. Save time by setting the Rip-Flip Stop at any dimension you desire, and never have to worry again about repeating a critical cut. Two stops can be joined together with a coupling pin, establishing a stop on both sides of your fence. This makes it simple to cut perfect dados repeatedly, anywhere along your rip fence rail. When the Rip-Flip Stops are not needed, flip them down, and your fence can slide freely without interference.

All the different versions and brands of T-Square style fences have minor variations in how the clamping head is designed. We have worked through as many different versions as we've been able to find, and have included parts and hardware for all of them. Don't panic when you finish your installation and have a box full of nuts, bolts washers and adapters. Nobody is going to use all of it! Please read through the instructions carefully. You will see the differences in clamping head designs in some of the illustrations. Find the one that most closely matches yours and you shouldn't have any trouble working through it.



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 5:00 p.m. EST Monday - Friday.

I. INSTALLING THE MOUNTING BRACKETS

AT THIS POINT YOU WILL NEED:

- ① T-Slot Tracks
- ② Rip-Flip Stops

Hardware Bag A:

- A-1 Mounting Brackets
- A-2 Hex Head Cap Screws
- A-3 Nylon Locknuts
- A-4 Washers

Hardware Bag B:

- B-6 Brass Thread Caps

1. Starting at the center of the rip fence tube - loosen, but do not remove, two of the existing hex head bolts securing the fence tube. If there are lock washers, continue to use those. Slide in the Mounting Bracket (A-1) and lightly snug the hex head bolts against the bracket. **NOTE:** If the existing hardware on your fence tube is too small for the slot in the Mounting Bracket, Washers (A-4) are included with your Rip-Flip kit.

2. Position the Mounting Bracket so that it sits roughly 1/2" in from the front tube. **FIGURES 1 & 1-A.** **NOTE:** To prevent changing the alignment of your rip fence, do not make any adjustments to the remaining bolts that are securing your rip fence tube until you complete the following steps.

3. Insert Hex Head Cap Screws (A-2) through the closed slots on the two mounting brackets, loosely secure them each with a Nylon Locknut (A-3). Nylon Locknuts should be away from the user, on the backside of the Mounting Bracket. **FIGURE 2.**

4. Slide one of the T-Slot Tracks ① so that the Hex Head Cap Screws slide into the single channel side of the T-Slot Track. Roughly center the T-Slot Track between the two Mounting Brackets. **FIGURE 3.**

5. To begin the Mounting Bracket alignment process, secure the T-Slot Track by tightening the Nylon Locknuts. Ensure the T-Slot Track is flush and co-planar to the rip fence front tube. **FIGURE 4.**

6. Insert a Rip-Flip Stop ② into the top channel of the track and slide it in between the two Mounting Brackets then clamp it in place.

7. Slide your table saw rip fence checking to see that it slides freely over the rip-flip.

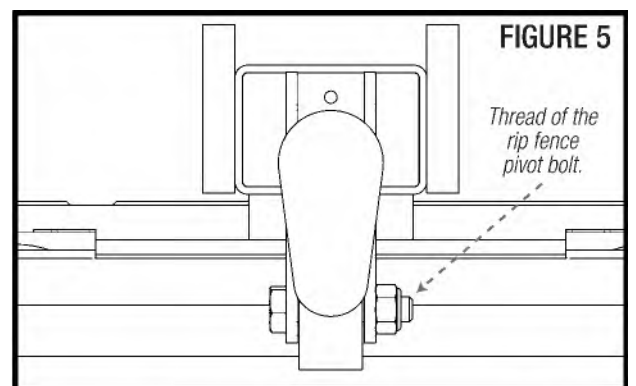
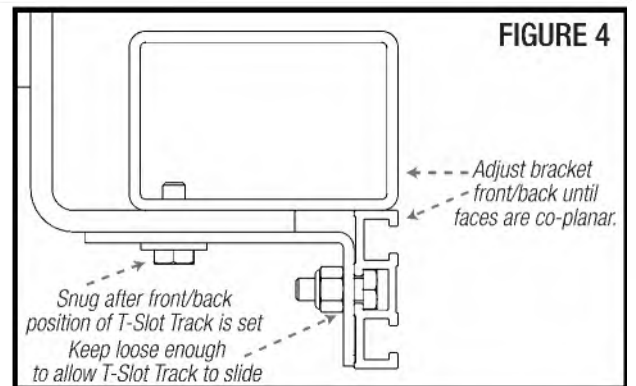
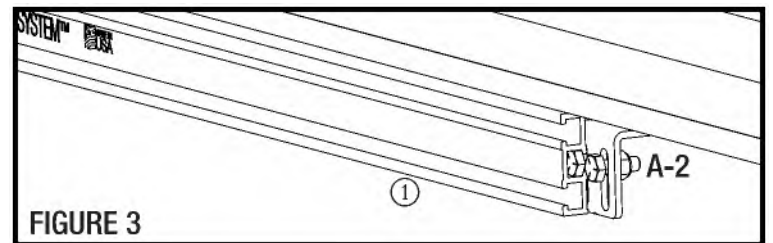
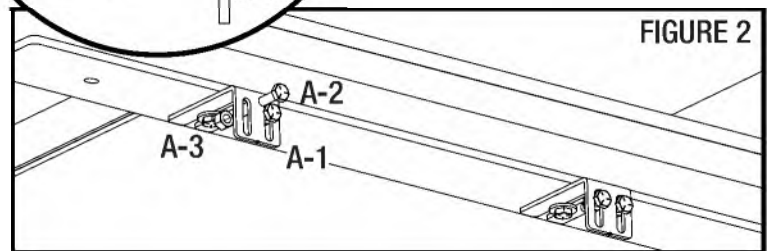
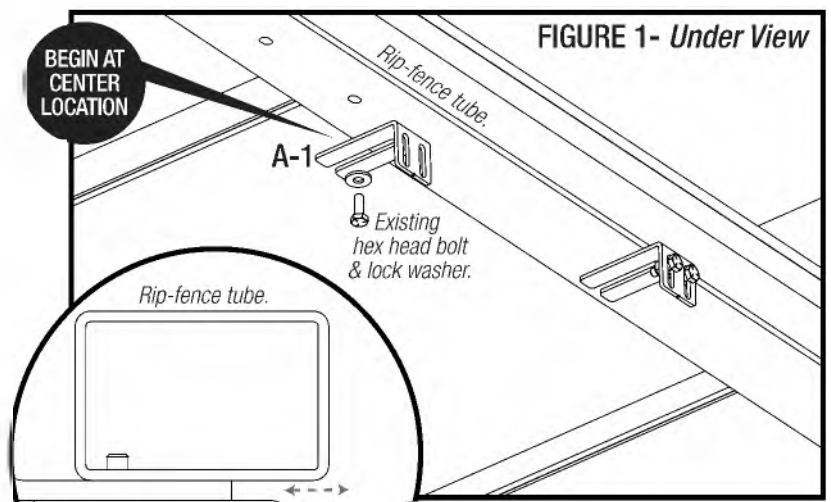
8. Check to see that when the rip fence is clamped down, that it does not interfere with the Rip-Flip.

9. The Rip-Flip Stop must come in contact with either the rip fence pivot bolt or the bracket that holds the pivot bolt. It doesn't matter whether the Rip-Flip Stop indexes off the pivot bolt or the bracket, as long as it provides a consistent reference point for the Rip-Flip Stop. If the Rip-Flip Stop is not coming into contact with either, or if the Rip-Flip is obstructing the movement of the rip fence, you will need to add a few parts to your rip fence or adjust the position of the track, or possibly (but rarely) both.

10. Brass Thread Caps (B-6) have been provided to increase the contact area. Thread Caps are provided in both M10 (B-6-a) and 3/8-16 (B-6-b) threads, the two most common thread sizes for pivot bolts. **FIGURE 5.**

11. For newer Powermatic saws and others where the fence clamping mechanism is too far above the Rip-Flip, Contact Plates (C-4 & C-5) may resolve the issue without readjusting the T-Slot Track. See *Step IV, Page 5.*

12. If the Contact Plates and Thread Caps do not create a usable index point or if the Rip-Flip is interfering with the movement of your fence, you will need to adjust the position of the T-Slot Track as outlined in *Step II, Page 3.*

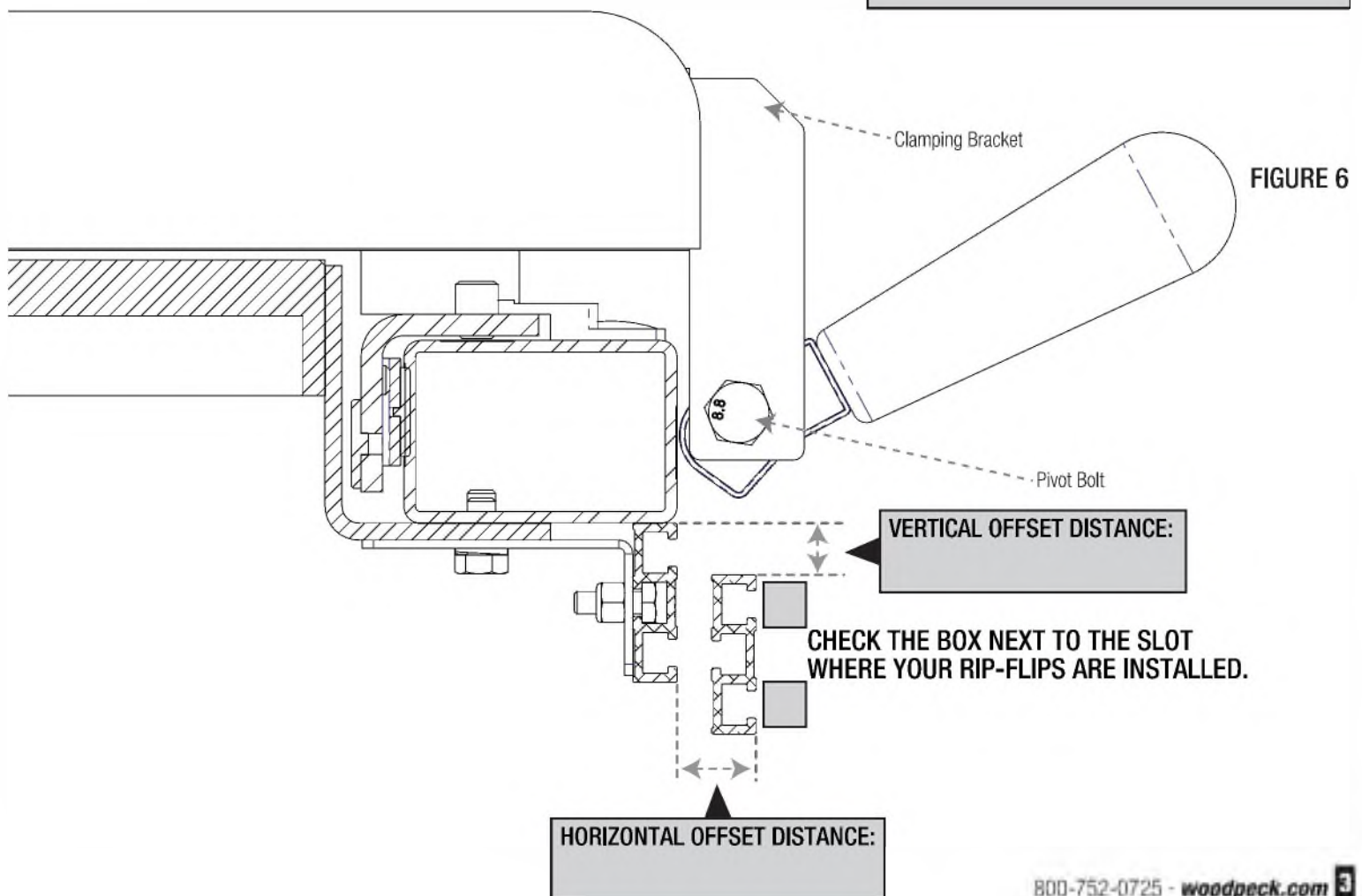


II. IF THE RIP-FLIP STOP IS NOT COMING IN PROPER CONTACT

1. Loosen the Nylon Locknuts on the two Mounting Brackets that are securing the vertical position of the T-Slot Track.
 - 1-a. Adjust the T-Slot Track down in position until it will no longer interfere with the movement of your rip fence.
 - 1-b. Record the distance between the bottom of the rip fence rail and the top of the T-slot Track as the "Vertical Offset" in the worksheet below, **FIGURE 6**. Cut 2 shims that match this dimension.
 - 1-c. Place the shims (not included) on each end of the top of T-Slot Track and press the T-Slot Track up in position until the shims become sandwiched between the top of the T-Slot Track and the bottom of the rip fence rail. Hold this position while tightening the Nylon Locknuts to secure the vertical position of the T-Slot Track.
2. If the Rip-Flip stop still interferes, move the Rip-Flip Stop from the top T-Slot Track channel to the bottom channel. Then repeat the above steps, starting with the T-Slot Track flush against the tube again. Check for proper function.
3. Lastly, if the in/out position of the T-slot Track is interfering with the rip fence, loosen the bolts securing the Mounting Bracket to the rip fence tube and adjust the Mounting Bracket in or out so that there is no inference and the Rip-Flip Stop functions as expected. Use a combination square to set this horizontal dimension the same at both Mounting Bracket locations. Record this dimension as "Horizontal Offset" in the diagram below. **FIGURE 6**.

Save your installation dimensions for future use.

YOUR TABLE SAW & RIP FENCE MODEL #:



III. INSTALLING THE MOUNTING BRACKETS (CONTINUED)

AT THIS POINT YOU WILL NEED:

Hardware Bag A:

A-5 Track Coupling Plate

Once you have the track properly aligned, install the remaining Mounting Brackets one at a time (to prevent changing the alignment of your rip fence rail). Also install the Hex Head Cap Screws (A-2) and Nylon Locknuts (A-3) into each Mounting Bracket.

1. Slide the T-Slot Track to the left or right for each Mounting Bracket so that the Nylon Locknuts slide into the single channel of the T-Slot Track, bringing the Mounting Brackets into proper horizontal position.

2. With all the Mounting Brackets properly installed, slide on both T-Slot Tracks. Start by sliding one on from right to left. Leave at least 3" of space between the left end of the T-Slot Track and the table saw power switch. This allows for room to remove a Rip-Flip Stop on the left end. Slide the second T-Slot Track in from the right, and leave a gap between the two T-Slot Tracks to allow installation of the Track Coupling Plate (A-5). **FIGURE 7.**

NOTE: If the location of your table saw prevents you from sliding the T-slot Track as described in Step 2, follow these steps:

- 2-a. Remove the Hex Head Cap Screws and Nylon Locknuts from the Mounting Brackets
- 2-b. Feed the Hex Head Cap Screws into the T-Slot Track
- 2-c. Line up the Hex Head Cap Screws with the Mounting Brackets and install through slots in the Mounting Brackets.
- 2-d. Reinstall Nylon Locknuts to secure T-Slot Track to the Mounting Brackets.

3. Install the Track Coupling Plate (A-5) in the single slot on the back side of the T-Slot track, using the Hex Head Cap Screws (A-2) and Nylon Locknuts (A-3), **FIGURE 8.**

4. Slide the T-Slot Track ends together. Tighten a Rip-Flip Stop ② in place over the seam to ensure that the two T-Slot Tracks align. Then fully tighten the Hex Head Cap Screws on the Track Coupling Plate. **FIGURE 9.**

5. With the 3" minimum gap between the power switch and the left end of the joined T-Slot Tracks, the track may overhang the right end of the rip fence front tube. You can cut the T-Slot Track flush to the end of the rip fence front tube with a hacksaw.

6. Going from one end to the other, tighten the Nylon Locknuts to secure the T-Slot Tracks in place vertically. Be sure to use the shims or the previously recorded distance to set the tracks at the correct height (As outlined in Step II. 1-c. on page 3.).

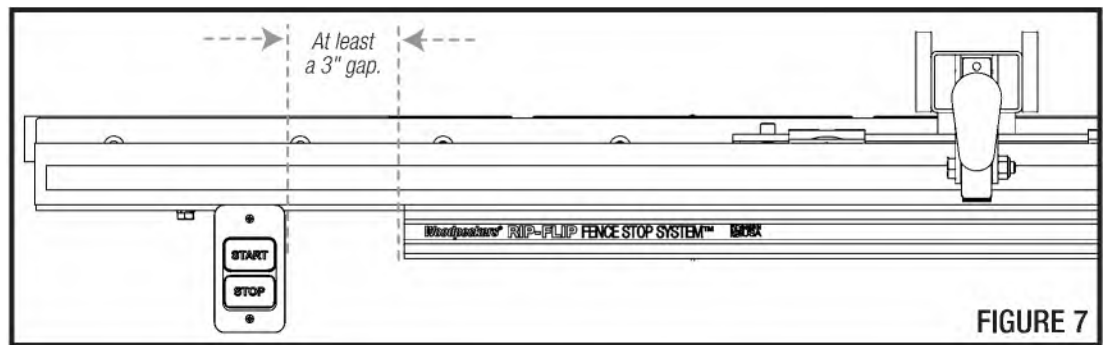


FIGURE 7

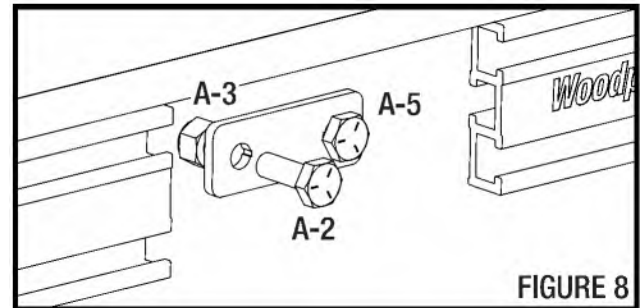


FIGURE 8

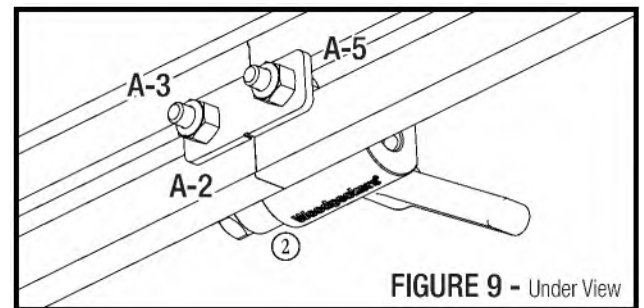


FIGURE 9 - Under View

IV. HEAD MODIFICATIONS FOR NEWER POWERMATIC RIP FENCES & OTHERS WITH SHORTER CLAMPING BRACKETS

AT THIS POINT YOU WILL NEED:

HARDWARE BAG C:

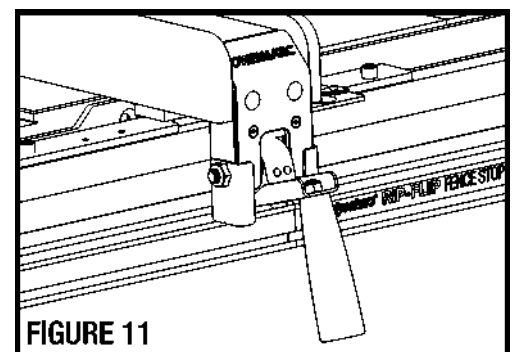
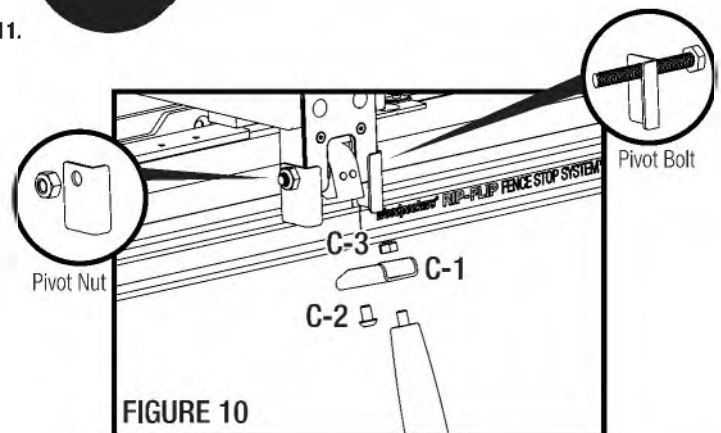
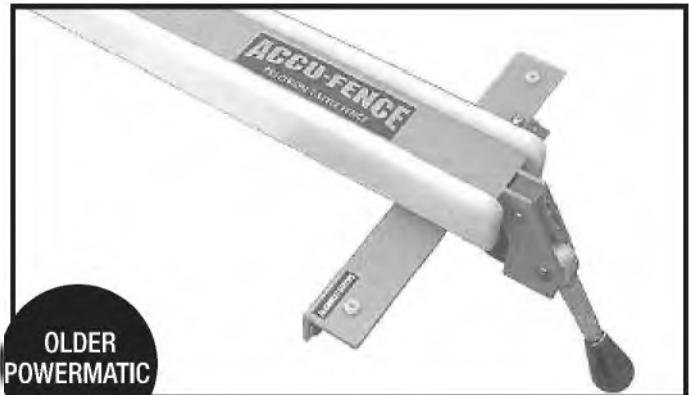
- C-1 Clamping Handle Adapter Bracket
- C-2 Bolt Head Cap Screw M8x1.25x12mm
- C-3 Nylon Locknut M8x1.25x12mm
- C-4 Right Hand Contact Plate
- C-5 Left Hand Contact Plate

A. Installing Right and Left-Hand Contact Places (C-4, C-5) for newer Powermatic rip fences:

1. Remove the pivot bolt for the rip fence locking mechanism.
2. Install Right-Hand Contact Plate (C-4) and Left-Hand Contact Plate (C-5) on each side of the clamping bracket, using the pivot bolt and other existing hardware.
3. The bent side of the Contact Plates should face inwards, and be on the operator side. **FIGURE 10.**
4. Contact Plates can be roughly squared during final tightening, and should be aligned to prevent dragging on both the fence tube and the Rip-Flip track.

B. Installing Clamping Handle Adapter Bracket (C-1):

1. Remove existing rip fence clamping handle from the clamping head.
2. Install Clamping Handle Adapter Bracket (C-1) using a Button Head Cap Screw (C-2).
3. Re-install handle into the top hole of the Clamping Handle Adapter Bracket securing it with a Nylon Locknut (C-3). **FIGURE 11.**



V. ASSEMBLING RIP-FLIP FOR DADOES

AT THIS POINT YOU WILL NEED:

② Rip-Flip Stops

Hardware Bag B:

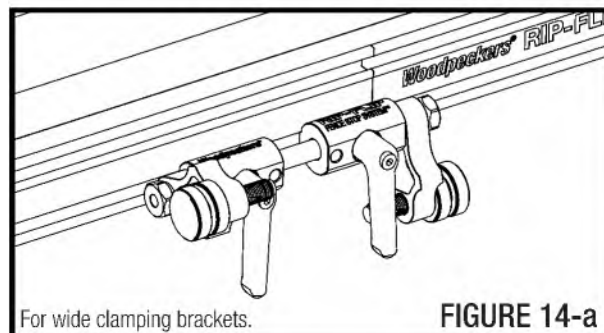
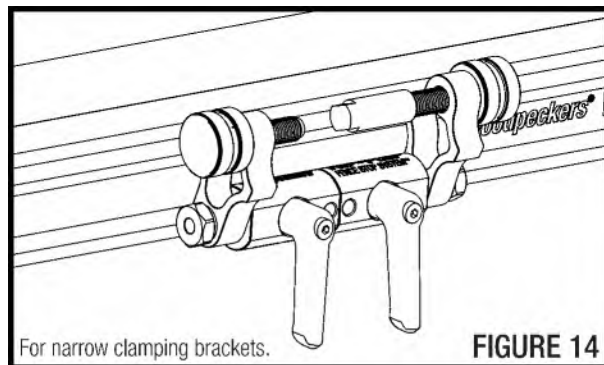
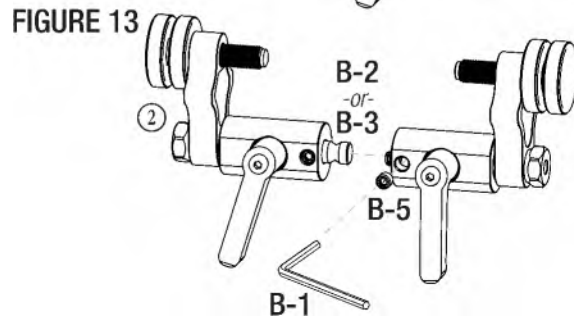
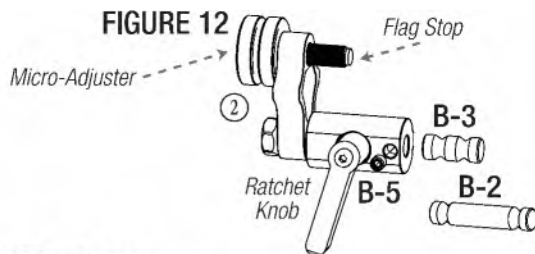
- B-1 Hex Key
- B-2 Long Dado Coupling Pin
- B-3 Short Dado Coupling Pin
- B-4 Stop Extension
- B-5 Cone Point Set Screw

1. The parts you need to use for a coupled-stop dado depend on the design of your fence head and how you have your Rip-Flip installed. Most fences will only require the Short Dado Coupling Pin (B-3). Some will need the Stop Extension (B-4) with the Short Dado Coupling Pin. Others will need the Long Dado Coupling Pin (B-2). You may have to experiment with the different combinations to find the "mix" that works with your fence. **FIGURE 12.**

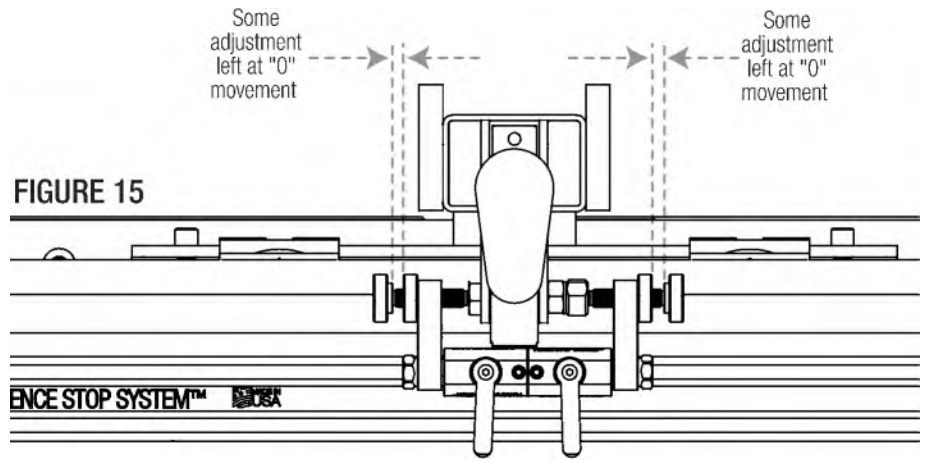
2. For proper dado operation in most situations, the coupled Rip-Flip Stops need to allow a range of movement of the fence from 0" to approximately 3/4".

3. To get an idea of what you need, bring two Rip-Flip Stops together, with the micro-adjusters facing each other. Run both micro-adjusters most of the way out. Bring your fence between the stops and flip them up. If your fence can move at least 3/4", you will use the Short Dado Coupling Pin. If the fence can't move at all or if it has very limited movement, you will use the Long Dado Coupling Pin. **FIGURE 13.**

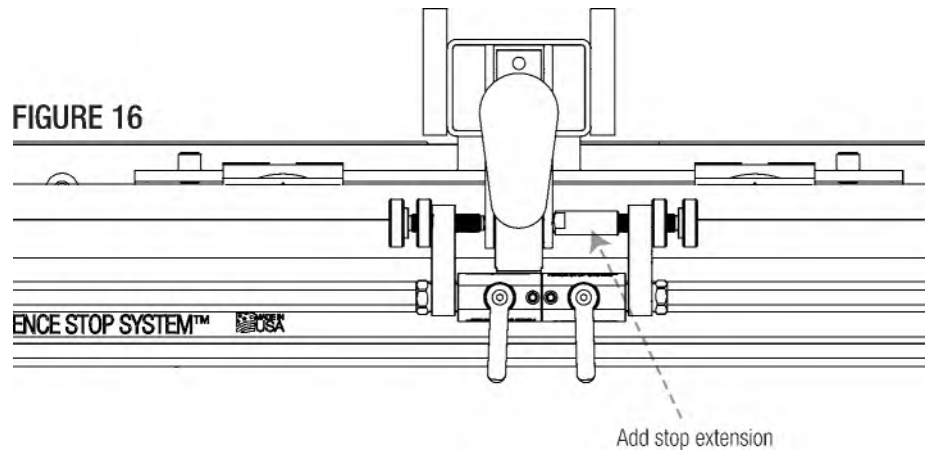
4. Bring the micro-adjusters all the way in. If they contact the fence head, you need just the Coupling Pin selected in the previous step. If they cannot close completely on the fence head, install either a Brass Thread Cap (B-6) or the Stop Extension (B-4), whichever one is sufficient to engage the fence head. **FIGURE 14 & 14-a.**



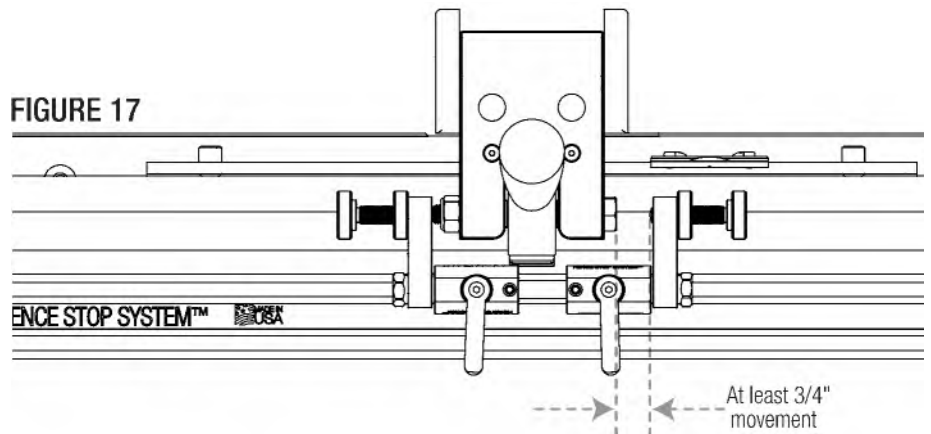
- Ideal installation; Micro-Adjusters allow at least 3/4" of movement and still have some adjustment left when closed completely down on the fence head. **FIGURE 15.**



- Very narrow fence head, which requires the Stop Extension (or possibly just a Thread Cap). **FIGURE 16.**



- Very wide fence head, which requires the Long Coupling Pin. **FIGURE 17.**



VI. USING RIP-FLIP STOPS INDIVIDUALLY

1. Set your table saw rip-fence to the desired location.
2. Slide the oval nut on the Rip-Flip Stop ② into the T-Slot Track.
3. Flip the flag stop up and slide the Rip-Flip along until the brass tip of the stop comes in contact with the bolt on your rip-fence pivot bolt or the installed contact plate.
4. Secure it in place with the ratchet knob.
5. Rip-Flip Stops can be used on either side of your fence by simply loosening the ratchet knob and rotating the Rip-Flip Stop 180°.

VII. USING THE RIP-FLIP FOR DADOES

1. Install a dado stack at least half the thickness of the desired groove size.
2. Set table saw fence to desired location and set the Rip-Flip Stop to come in contact with the rip fence handle.
3. Flip the other Flip Stop up, and micro-adjust to fine tune a perfect fitting dado by making two cuts; one against each stop.

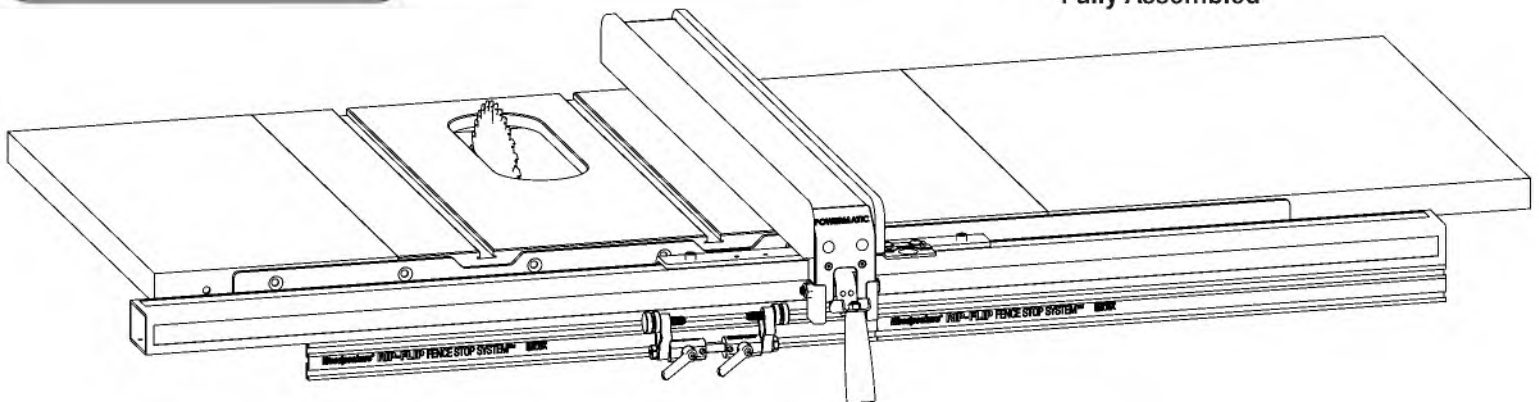


WARNING! To reduce the risk of injury, always use featherboards, push sticks or push blocks with proper guarding. Keep hands away from moving parts. Refer to your saw manual for proper setup and use.



WARNING! To reduce the risk of injury, wear safety goggles or glasses with side shields, ear protection & a dust mask.

Rip-Flip™ Fence Stop System
Fully Assembled



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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