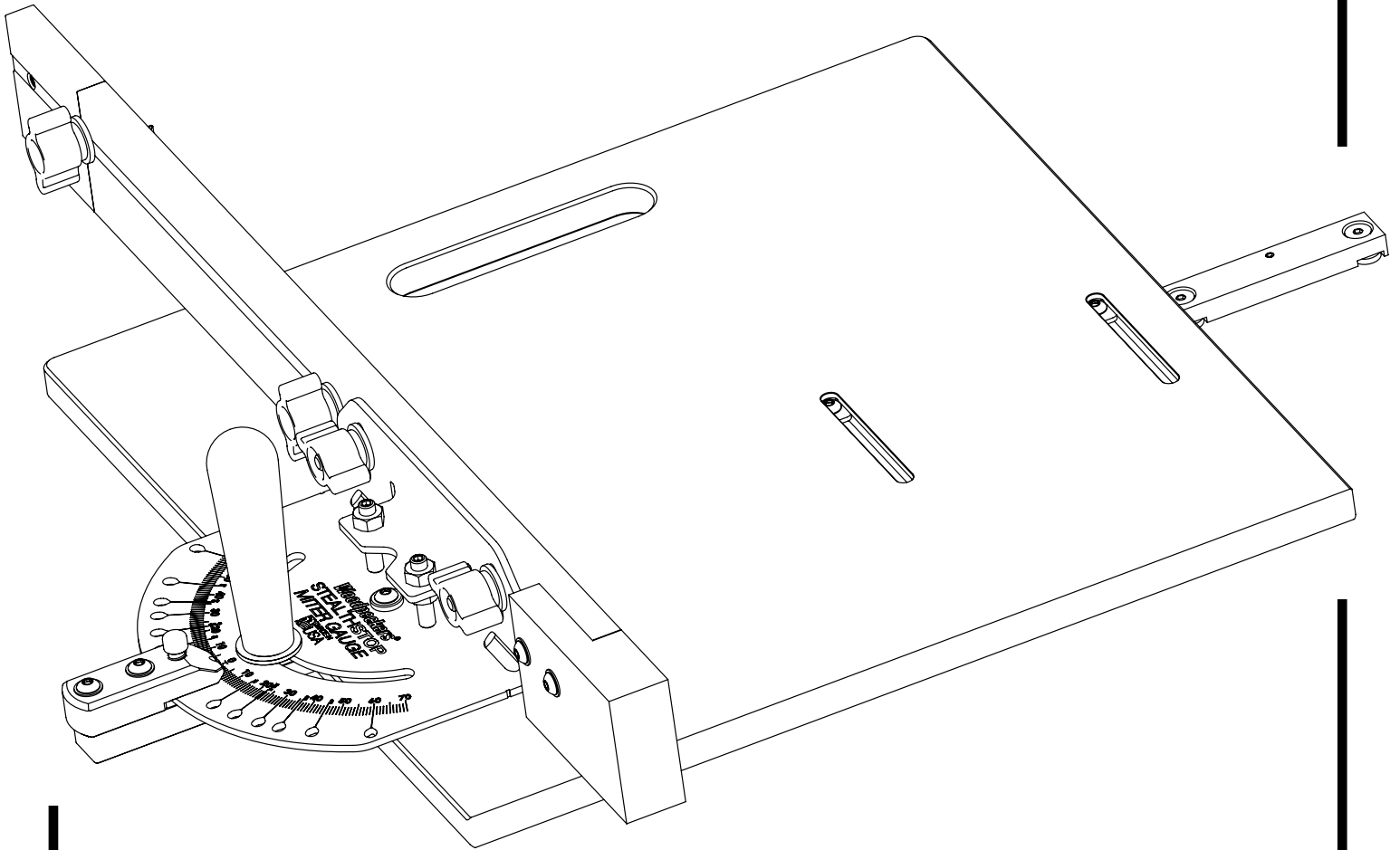


# **Woodpeckers<sup>®</sup>**

## **STEALTHSTOP MITER SLED**

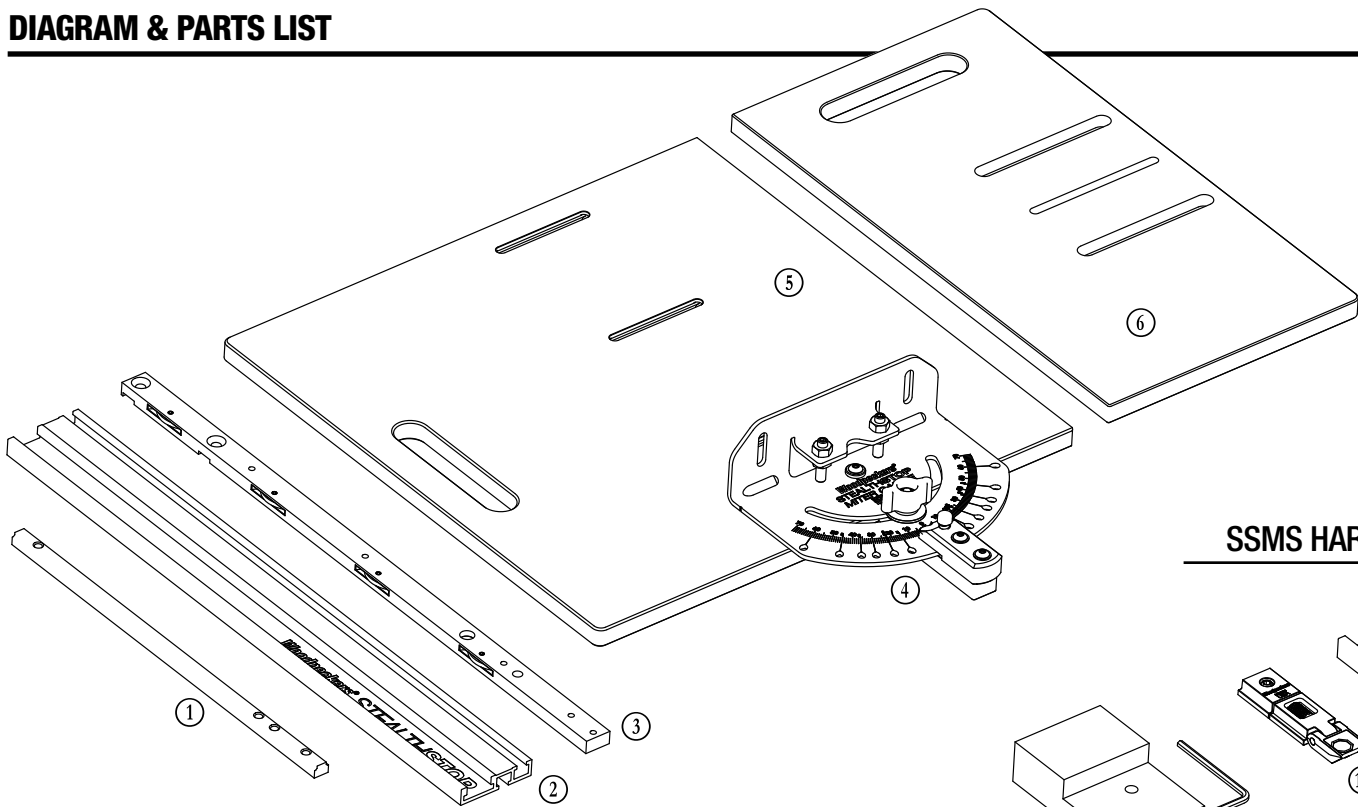
O W N E R ' S M A N U A L



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You can also call us at 800-752-0725 from 9:00 a.m. to 4:00 p.m. EST Monday - Friday.

# DIAGRAM & PARTS LIST



## SSMS HARDWARE PACK:

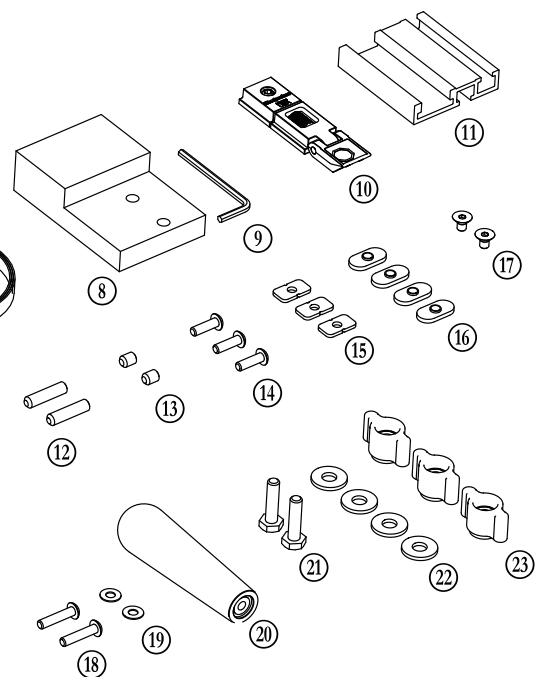
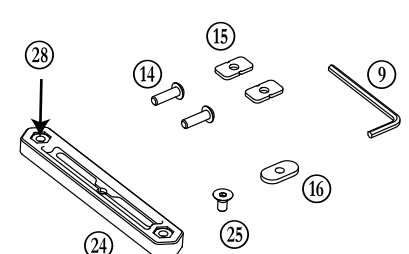


DIAGRAM NUMBER	SSCMS-DLX (QTY)	SSCMS (QTY)	SSCMS-DZ (QTY)	SSCMS-UP (QTY)	PART NAME
①	(1)	(1)	--	--	Extension Bar
②	(1)	(1)	--	--	Fence Track
③	(1)	(1)	--	--	Miter Bar
④	(1)	(1)	--	--	Miter Head
⑤	(1)	(1)	--	(1)	Miter Sled Base
⑥	(1)	--	(1)	--	Drop Zone Sled

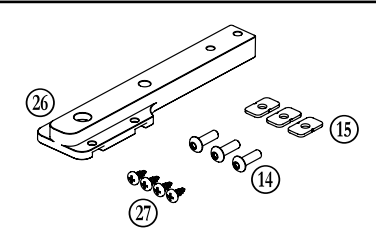
## HARDWARE

⑦	(1)	(1)	--	--	UHMW Strip, Adhesive Backed
⑧	(1)	(1)	--	--	Zero Clearance Block
⑨	(2)	(1)	(1)	--	Hex Key 1/8"
⑩	(1)	(1)	--	--	StealthStop Flip Stop w/ Micro Adjust
⑪	(1)	(1)	--	--	Fence Extension
⑫	(2)	(2)	--	--	Cup Point Set Screw, 1/4" x 20 x 1"
⑬	(2)	(2)	--	--	Flat Tip Set Screw, 1/4" x 20 x 5/16"
⑭	(5)	(3)	(2)	(3)	Button Head Cap Screw, 10-32 x 5/8"
⑮	(5)	(3)	(2)	(3)	Rectangular Washer for #10 Screw
⑯	(5)	(4)	(1)	--	10-32 Track Nut
⑰	(2)	(2)	--	--	10-32 x 5/16" Flat Head Cap Screw
⑱	(2)	(2)	--	--	10-32 x 7/8" Button Head Cap Screw
⑲	(2)	(2)	--	--	#10 Washer
⑳	(1)	(1)	--	--	Clamping Handle
㉑	(2)	(2)	--	--	1/4" x 20 x 1" Hex Head Bolt
㉒	(4)	(4)	--	--	1/4" USS Washer
㉓	(4)	(4)	--	--	Black 1/4"-20 Plastic Wing Nut
㉔	(1)	--	(1)	--	Clamping Miter Bar
㉕	(1)	--	(1)	--	10-32 x 3/8" Flat Head Cap Screw
㉖	(1)	(1)	--	(1)	Miter Sled Pivot Bar
㉗	(4)	(4)	(4)	(4)	#7 x .375 Wood Screw
㉘	(2)	--	(2)	--	10-32 Hex Nut

## DROP ZONE SLED HARDWARE PACK:



## SSMS UPGRADE HARDWARE PACK:



## I. ASSEMBLY

1. The StealthStop Miter Sled (5) comes from the factory partially assembled and calibrated. Fine tuning is required for best results on your saw. Unpack all pieces and lay out on a bench. Some items are packed within the cardboard cushions...check against the parts list on page 2.

2. The Miter Head (4) ships with one of the Black 1/4"-20 Plastic Wing Nuts (23) used for the fence in place of the Clamping Handle (20). Remove the Wing Nut and place with the rest of the hardware and replace with the Clamping Handle. **FIGURE A**

3. Install a Hex Head Bolt (21), 1/4" Washer (22), and Black Wing Nut into each of the mounting slots on the Miter Head. **FIGURE B**

4. Locate the Fence Track (2) and Fence Extension (11), then install the UHMW Strip (7) to the bottom of the main Fence Track, ensuring that the UHMW Strip is not proud of the front surface. Trim any excess UHMW Strip with a razor blade. **FIGURE C**

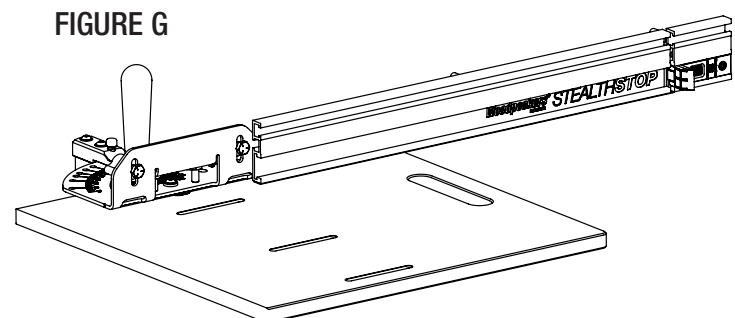
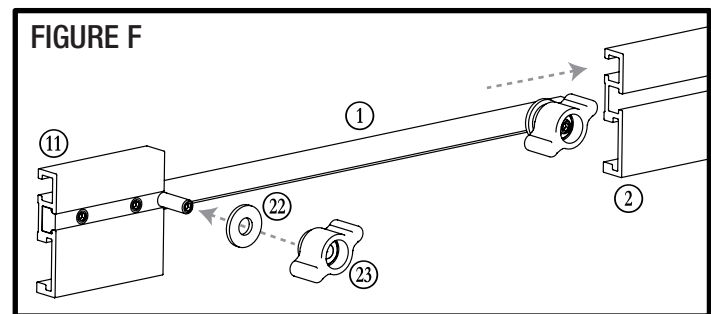
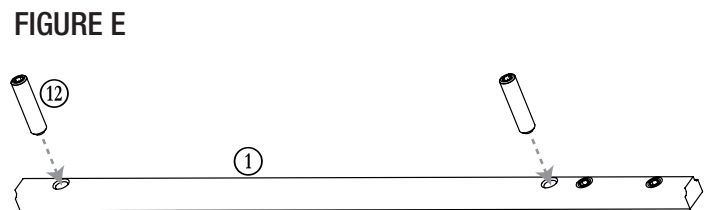
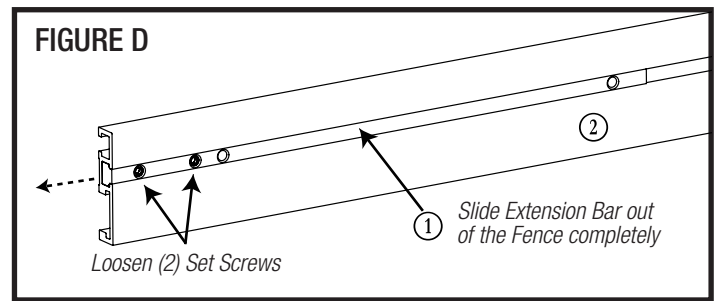
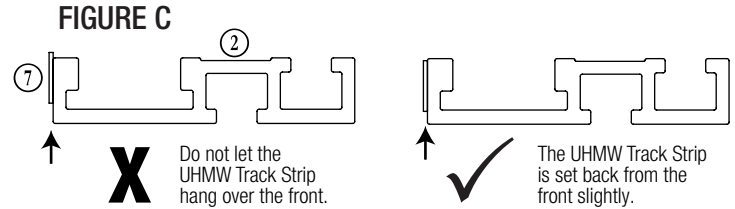
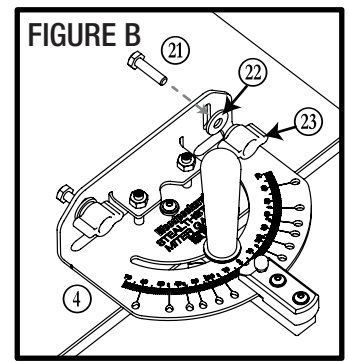
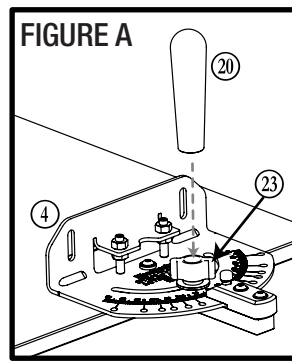
5. The Extension Bar (1) is fully within the Fence Track for shipping. Loosen the (2) set screws securing it in place, and fully remove from bar. **FIGURE D**

6. Next, install the Cup Point Set Screws (12) into the Extension Bar into the two empty tapped holes, using the included Hex L-Key (9). These tapped holes are drilled through, but not tapped all the way through. Tighten the Cup Point Set Screws completely. **FIGURE E**

7. Install the Extension Bar into the Fence Extension, flushing up the end. Using the Hex L-Key, snug the (2) short set screws to secure the Fence Extension to the Extension Bar. Do not overtighten these set screws, which could cause the fence extension to deflect. **FIGURE F**

8. Install a 1/4" Washer and a Black Wing Nut onto each of the Cup Point Set Screws installed earlier. Slide the Extension Bar into the Fence and lock it in place with the two Black Wing Nuts.

9. Slide Fence onto the Hex Head Bolts in the Miter Head, and secure in place with the Black Wing Nuts. **FIGURE G**



10. The Miter Sled attaches to the Miter Bar ③ through slots that accommodate the distance between the miter slot and the saw blade of most table saw designs.

11. Place a Rectangular Washer ⑮ onto a Button Head Cap Screw ⑭ and thread into the holes in the Miter Bar. At this point in time, the screws only need to be threaded in a couple of turns. **FIGURE H**

12. Turn the Miter Sled upside down. Align the Rectangular Washers with the oval cutouts in the sled, and drop them in. **FIGURE I**

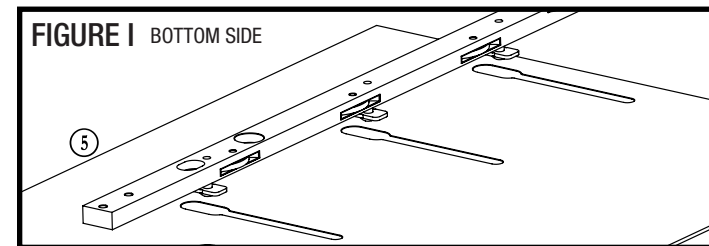
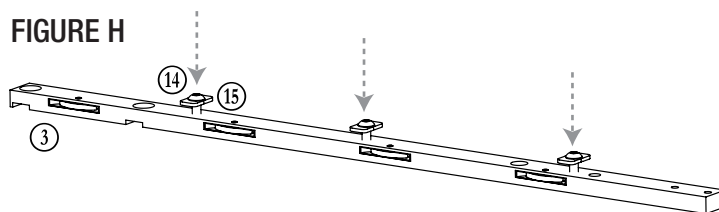
13. Once all three washers and button heads have dropped into the slots, slide them to the middle of the track. Flip the sled right side up. Tighten the Button Head Screws into the Miter Bar until they are just snug enough to keep the bar from sliding. Calibration of the Miter Bar to your saw will be done later. **FIGURE J-1**

14. There are (2) T-Slot Nuts you can install if your table saw miter slot has a T-shaped profile.

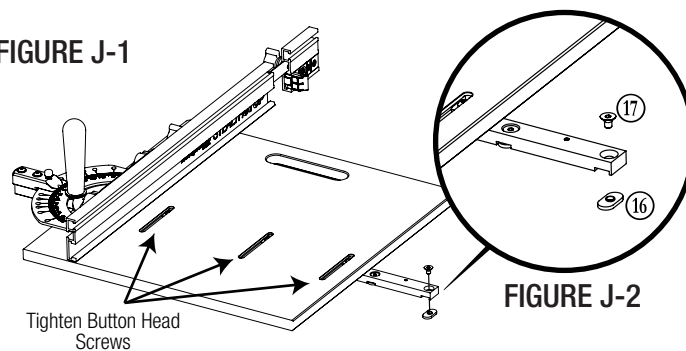
15. To install, place a Track Nut ⑯ into the cutout, with the raised side facing the hole, then install a Flat Head Screw ⑰ into the countersink on the other side of the Miter Bar. Tighten fully using the Hex L-Key. **FIGURE J-2**

16. One Zero Clearance Block ⑧ is included. This MDF block helps push the offcut past the blade and prevents tear out on the backside of the cut. To install the Zero Clearance Block, pre-install the Button Heads ⑱, #10 Washers ⑲, and #10 Track Nuts ⑯ into the block, then slide into the rear slot of the Fence Track. Additional blocks are available for purchase in 3-packs, or you can make your own. **FIGURE K**

**FIGURE H**



**FIGURE J-1**



## II. INITIAL SETUP & CALIBRATION

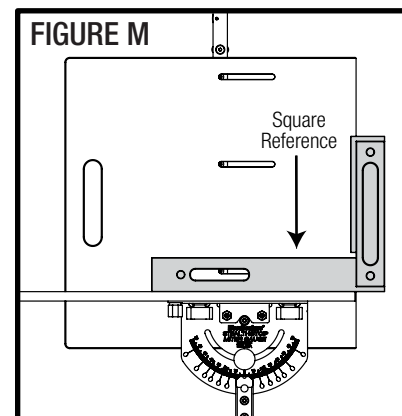
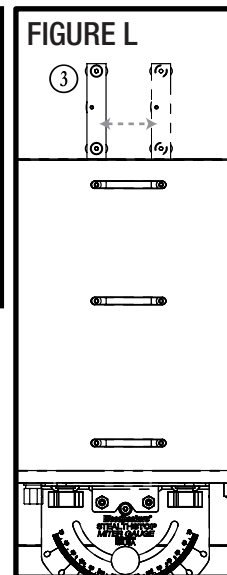
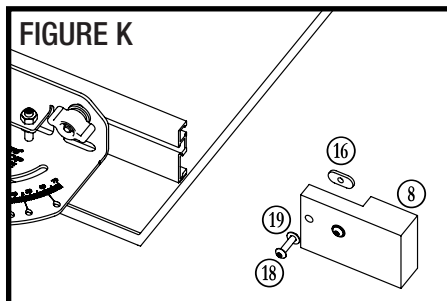
1. You can either align the existing edge of the Sled to your blade or for perfect zero clearance you can take a skim cut off the edge of the Sled. The choice is yours. The Protractor has been calibrated to the factory edge, but in the procedure below you can calibrate it to a freshly sawn edge.

2. For either method, begin by loosening the Button Head Screws holding the Sled to the Miter Bar. Slide the Sled until it aligns with your saw blade (or just slightly beyond, if you are going to cut a fresh edge). **FIGURE L**

3. To verify factory calibration or calibrate to a fresh edge, loosen the Clamping Handle. Set a known square reference (such as a Woodpeckers 1281 Square) on the Sled edge. Align the Fence to the square. **FIGURE M**

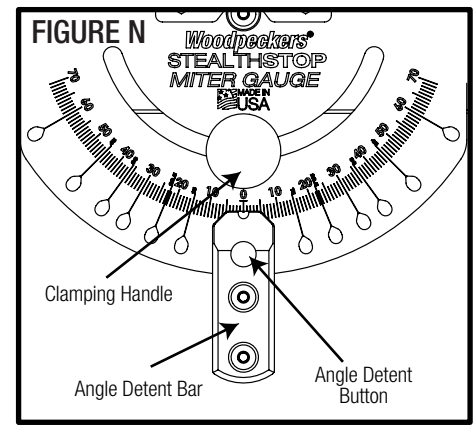
4. Tighten the Clamping Handle to lock in this angle.

5. Make a test cut to confirm the calibration. Adjust until a test cut delivers a square cut.



### III CALIBRATING THE ANGLE STOP SYSTEM

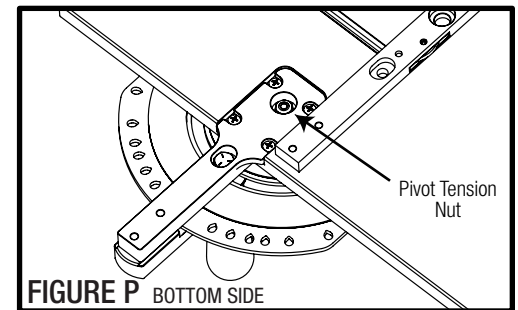
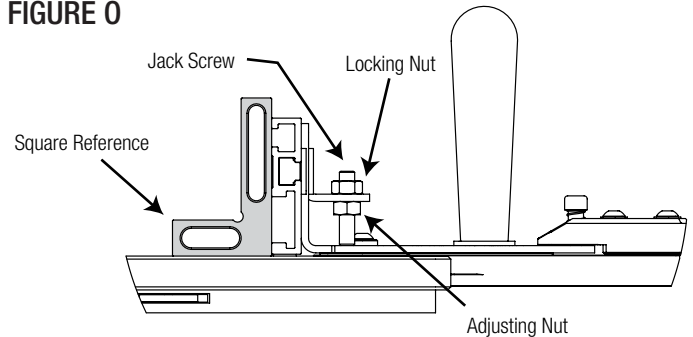
1. Once the Fence is delivering square cuts, loosen the (2) Button Head Cap Screws on the angle detent bar. **FIGURE N**
2. Depress the angle detent button and wiggle the angle detent bar until the pin drops into the detent.
3. While keeping the button depressed, adjust the angle detent bar until the angle indicator pip lines up with the laser engraved 0" line.
4. Continuing to hold the button depressed and the pip on the "0" line, tighten the two Button Head Cap Screws to lock in the calibration.
5. Check calibration by loosening the Clamping Handle and then re-engaging the detent at 0°, and making a test cut. Repeat adjustment to desired accuracy.



### IV. CALIBRATING THE FENCE ROLL ANGLE

1. The Miter Head is purposely bent past square. The Jack Screws provide fine adjustment to bring the Fence square to the Sled surface. **FIGURE O**
2. Place a known square reference against the front of the Fence.
3. Use a 7/16" open ended wrench (not included) to crack loose the upper hex nuts on the Jack Screw assemblies. Loosen a few turns to give room for adjustment.
4. Place the wrench on one of the lower hex nuts, and the included Hex Key into the socket of the Jack Screw.
5. Prevent the screw from turning with the Hex Key and use the wrench to tighten or loosen the lower Hex Nut to adjust the roll angle. Do so until the reference square touches at both top and bottom of the Fence.
6. The second Jack Screw assembly can be adjusted the same, but just until the bottom nut starts to meet resistance.
7. Once the roll angle is good, and both lower Hex Nuts are snug up against the flange, tighten the upper hex nuts to lock in the adjustment. Again, using the Hex Key to prevent the Jack Screws from spinning.

**FIGURE O**



**FIGURE P** BOTTOM SIDE

### V. ADJUSTING MITER HEAD PIVOT TENSION

1. To adjust the Miter Head pivot tension, flip the Miter Sled upside down and locate the Nylon Lock Nut on the bottom side of the pivot. **FIGURE P**
2. Using a 3/8" hex socket (not included), tighten or loosen the Nut to set the tension on the pivot. Only a very minor amount of adjustment should ever be required.

**NOTE: Do not loosen the Button Head Cap Screw on the top side of the pivot. That connection is intended to be permanent and will throw off angle calibration.**

### VI. ADJUSTING ANGLE USING THE ANGLE SCALE

1. Loosen the Clamping Handle and rotate the Fence to the desired angle. **FIGURE Q**
2. Sight down the small pip in the front end of the angle detent bar, the desired angle is achieved when the line is dead center in the pip.
3. Tighten the Clamping Handle to secure the angle setting.

## VII. ADJUSTING ANGLE USING THE ANGLE DETENTS

1. Loosen the Clamping Handle, hold onto the Fence, and rotate past the desired angle detent. **FIGURE R**
2. Depress the angle detent button, then rotate the Fence until the pin snaps into the detent.
3. With the detent button still depressed, tighten the Clamping Handle to secure the setting.

## VIII. USING THE FENCE & FENCE EXTENSION

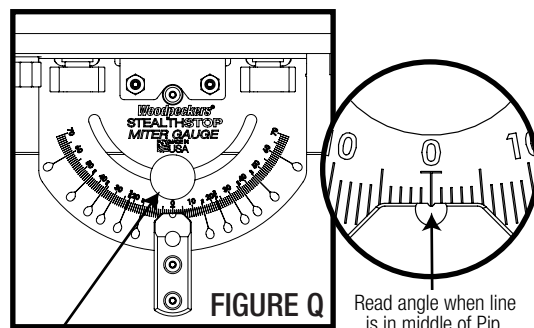
1. To use the Fence Extension, first, move the StealthStop Flip Stop ⑩ flush to the end of the Extension Track.
2. Loosen both Black Wing Nuts/Fence Extension Knobs, and slide to desired extension amount. **FIGURE S**
3. Retighten both Black Wing Nuts to secure extension position.
4. The StealthStop Flip Stop will now be slightly proud of the Extension Track when flipped out, and can be micro-adjusted as normal.
5. To collapse the Extension, loosen both Black Wing Nuts and slide until closed. Tighten both Black Wing Nuts to secure into position.
6. The Fence can slide closer or further from the blade by loosening the (2) Black Wing Nuts on the Miter Head. This can be useful adjusting to your specific saw, or for getting the Fence to the right position when miter cutting.

**Note:** you may need to extend or fully remove the Extension when adjusting the Fence to certain positions.

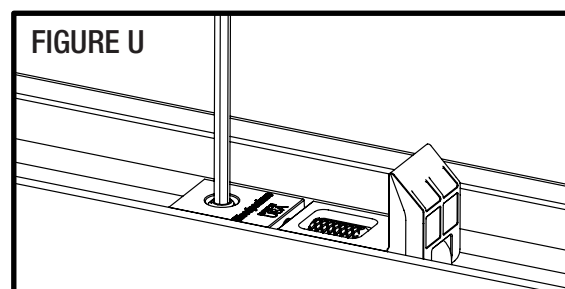
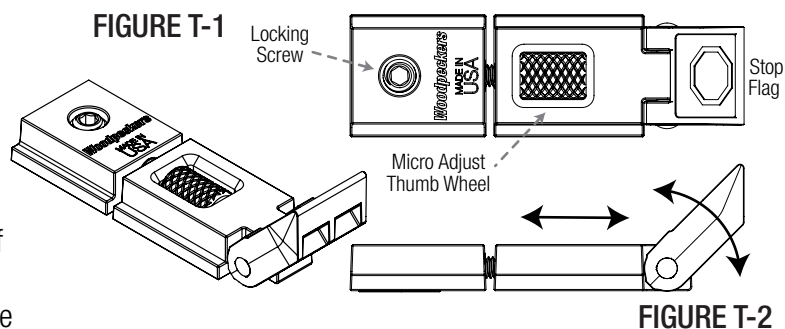
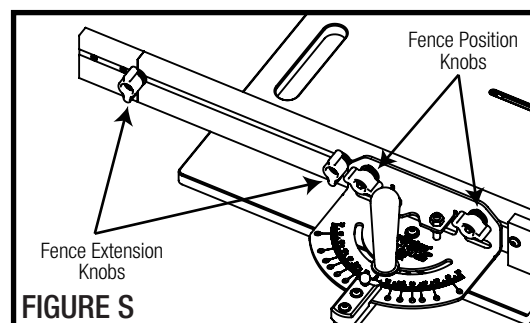
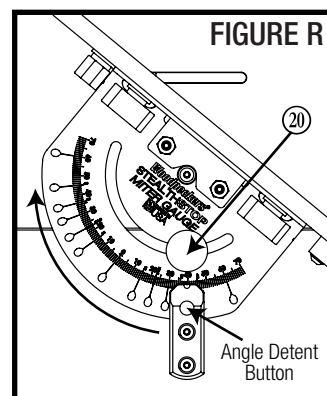
**CAUTION:** ALWAYS CONFIRM THAT THE ALUMINUM FENCE WILL NOT CONTACT THE SAW BLADE.

## IX. USING THE STEALTHSTOP FLIP STOPS

1. The StealthStop Flip Stop ⑩ is tool-free for raising/lowering the flag, and for micro-adjusting position. It does require the Hex Key to lock the stop in place. When lowered, the Flip Stop is fully below the surface of the Combo Track and out of the way. **FIGURE T-1**
2. To lock/unlock the Flip Stop, use the Hex Key in the exposed hex of the locking screw. **FIGURE U**
3. To move the Flip Stop around quickly, use the Hex Key to loosen the lock, and then move the stop with the Hex Key still installed. The optional screwdriver handle 1/8" hex key (sold separately) is convenient for these adjustments.
4. To micro-adjust the position of the Flip Stop, spin the knurled brass thumb wheel to move the flag forward or backward.
5. To raise / lower the flag, simply use your finger tip to snap it up or down. **FIGURE T-2**



⑩ Loosen Clamping Handle to adjust angle.



## X. DROP ZONE ASSEMBLY & USE

1. The Drop Zone Sled (6) is a platform for catching offcuts when using the StealthStop Miter Sled. It is made of the same material and is the same thickness as the Miter Sled Base.
2. Install the Track Nut (16) and Flat Head Cap Screw (25) into the center hole in the Clamping Miter Bar. **FIGURE V**
3. Install a 10-32 Hex Nut (28) into each of the hex pockets in the Clamping Miter Bar.
4. Place a Rectangular Washer (15) onto a Button Head Screw (14) and place into the recessed slots of the Drop Zone. Tighten the screw into the Clamping Miter Bar in both locations.
5. The location of the Drop Zone edge relative to the table saw blade is adjustable within the recessed slot by loosening the Button Head Screws and moving the Sled to the desired location.

### FIGURE W

6. The Clamping Miter Bar fits in a standard miter slot, and is locked in place by tightening the Flat Head Screw from above using the included Hex Key.

## XI. STEALTHSTOP MITER SLED UPGRADE KIT AND STEALTHSTOP MITER GAUGE CONVERSION

1. The StealthStop Miter Gauge can be upgraded to a Stealth-Stop Miter Sled and vice versa. An upgrade kit is available for any StealthStop Miter Gauge owners. (SKU: SSCMS-UP). A Stealth-Stop Miter Sled can be converted into a StealthStop Miter Gauge if desired.
2. Begin by installing the Miter Sled Pivot Bar (26) into the Sled. It should be a snug fit. Secure with the (4) Wood Screws (27). Do not over-tighten the Wood Screws.
3. Partially disassemble the Miter Gauge, starting with removing the fence. Then, remove the Index Bar assembly by loosening the (2) Button Head Screws. **FIGURE X**
4. Take off Clamping Handle, Washer, and Hex Head Bolt.
5. Loosen and remove the Pivot Tension Nut and Washer, using a 3/8" socket (not included).

**NOTE: Do not loosen the Button Head Screw opposite the Pivot Tension Nut.**

6. Remove the Miter Head assembly from the Miter Bar.
7. Install Miter Head assembly into the Sled Pivot Bar, then install Pivot Tension Nut and Washer. Adjust to desired pivot tension.

### FIGURE Y

8. Install the Clamping Handle, Hex Head Bolt, and Washer.
9. Install the Index Bar assembly.
10. Once everything is re-installed on the Sled, follow the instructions at the start of the manual as if you were unpacking and setting up the tool for the first time. **NOTE: you will need to calibrate both the miter angle and roll angle as described in the calibration sections (pages 4-5).**
11. To convert the Miter Sled to a Miter Gauge, follow the directions in reverse, and re-calibrate miter and roll angles when complete.

FIGURE V

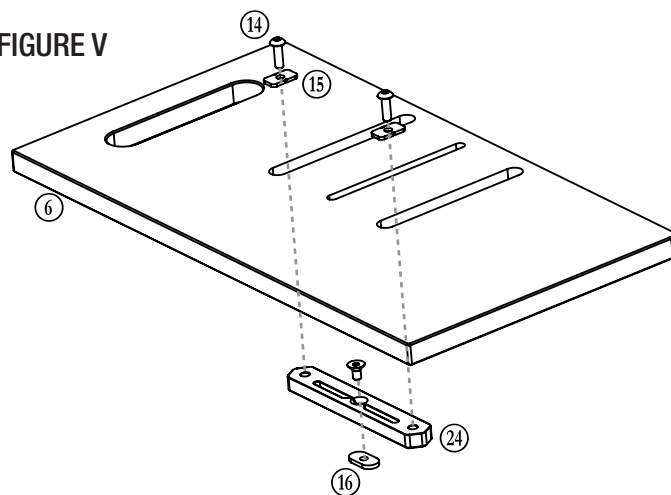
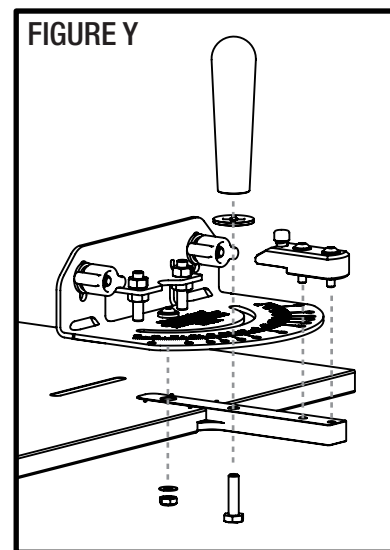
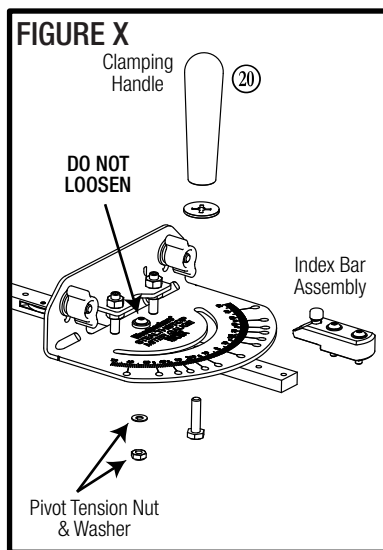
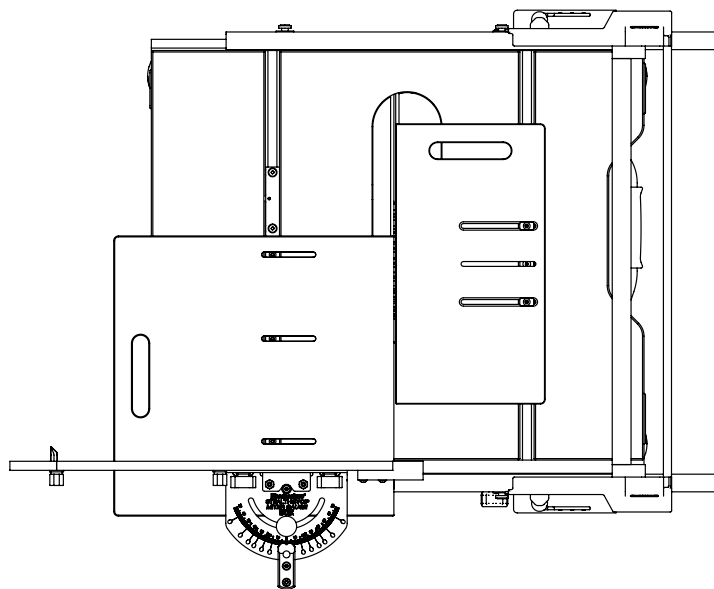
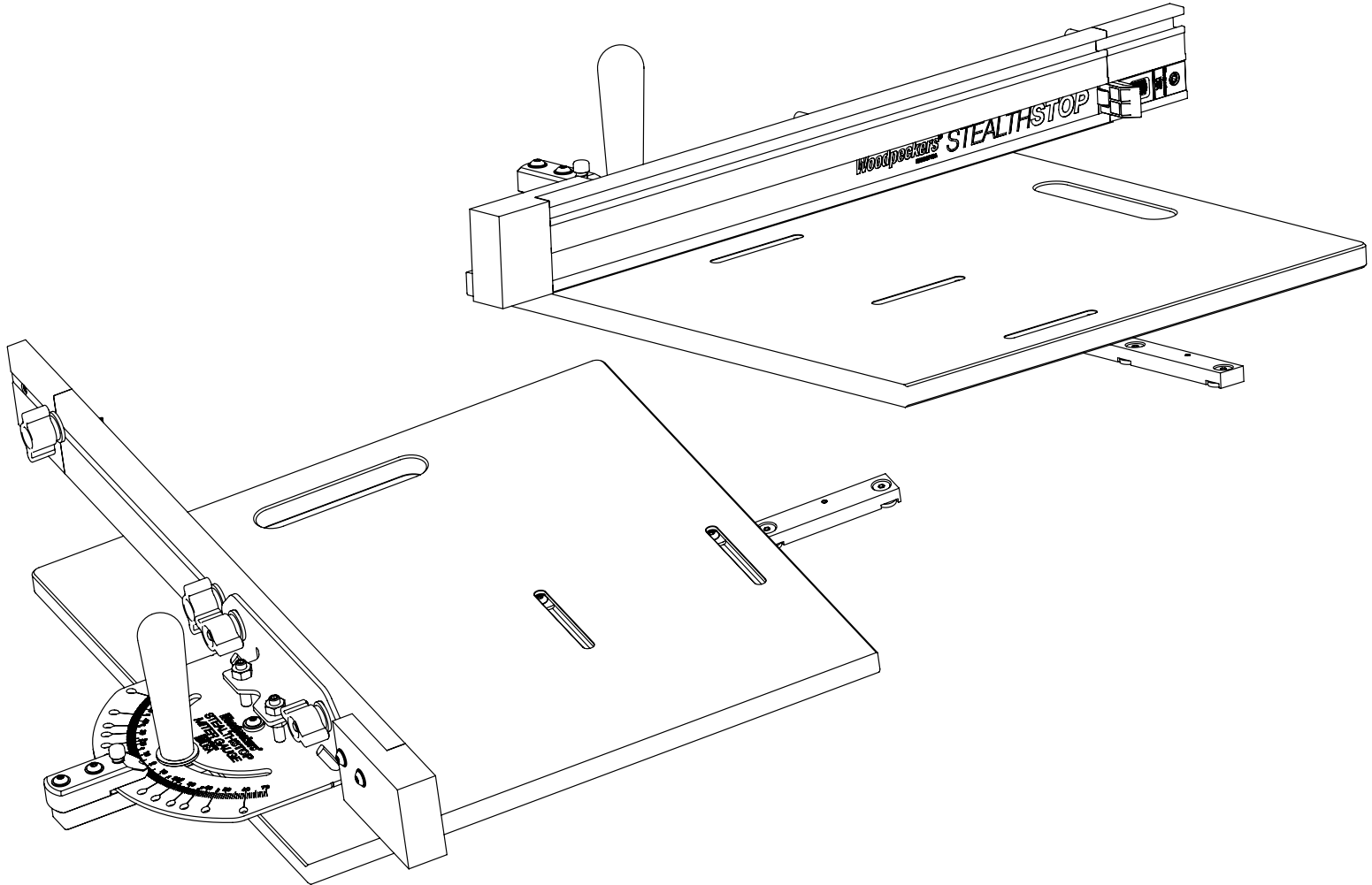


FIGURE W



## XII. OPTIONAL ACCESSORIES

- The Drop Zone is available in the same sled material and thickness. (SKU: SSCMS-DZ)
- Additional StealthStop Flip Stops are available in 2 packs. (SKU: SSX2)
- Additional MDF Zero-Clearance Inserts are available to reduce chance of tear out when cross cutting. These inserts are available in 3 packs (SKU: SSMGZC-3PK), and come with necessary hardware to mount to the Fence.
- Longer Fence Tracks are available, in 32" (SKU: CT32) or 48" lengths (SKU: CT48)
- A 1/8", Ball End, Hex Screwdriver is available. (SKU: BD-0707.474)




**WARNING!** To reduce the risk of injury keep hands away from moving parts. Refer to your power tool 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.

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