



Model TSA-SA48-I

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# SLIDING CROSSCUT TABLE



85-008207-00  
Rev A - 05072025

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Original Instructions - Sliding Crosscut Table TSA-SA48-I

Updates to this manual and additional related documentation such as exploded views and parts lists are available at [SawStop.eu](http://SawStop.eu) or [SawStop.uk](http://SawStop.uk)



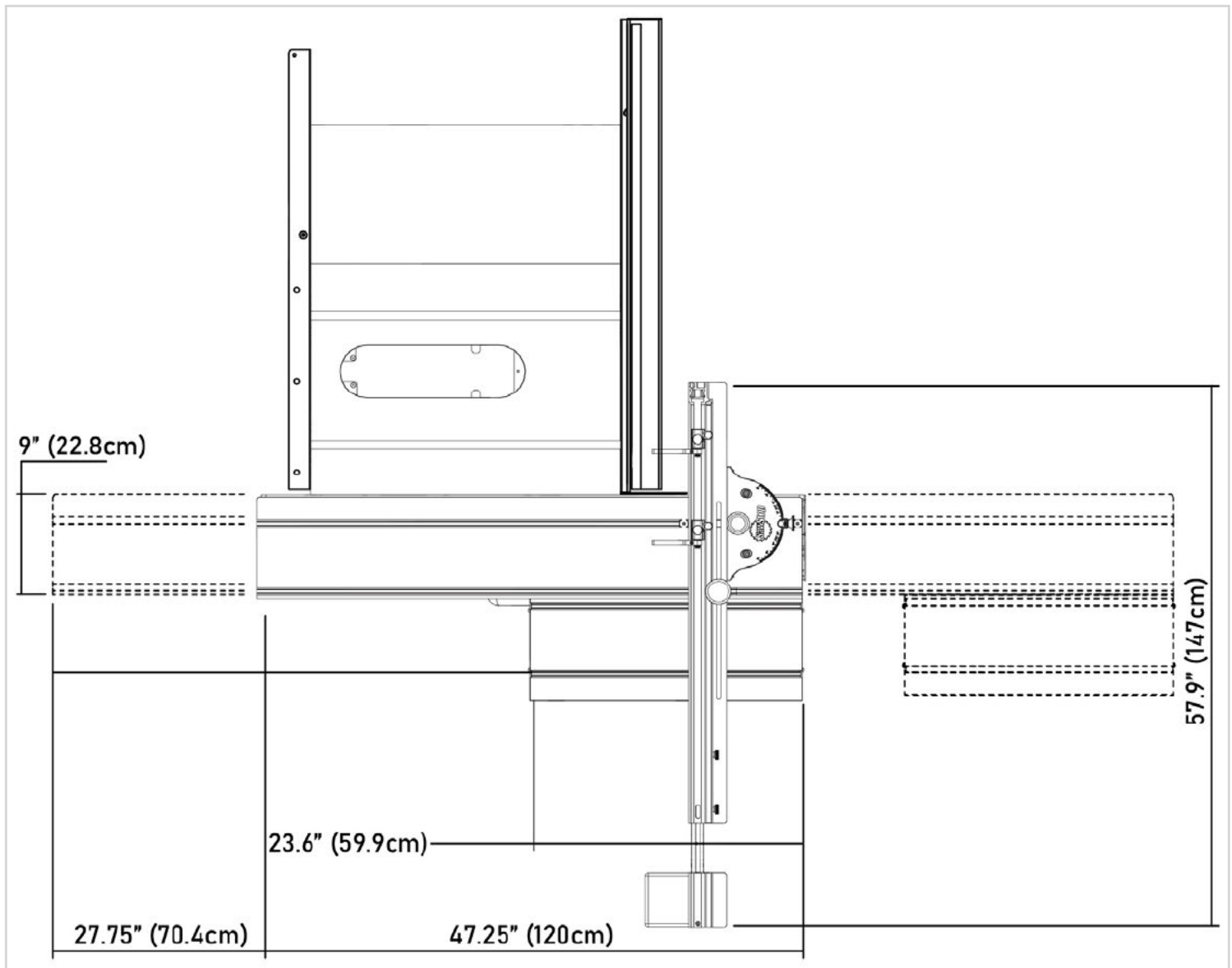
[www.SawStop.eu/support](http://www.SawStop.eu/support)

EN - Additional translations of this manual are available from the above URL.  
IT - Ulteriori traduzioni di questo manuale sono disponibili all'URL sopra indicato.  
NL - Bijkomende vertalingen van deze handleiding zijn beschikbaar via de bovenstaande URL.  
SV - Ytterligare översättningar av denna bruksanvisning är tillgängliga via ovanstående URL.  
FI - Oppaan muita käännöksiä on saatavilla yllä olevasta URL-osoitteesta.  
DA - Der kan findes yderligere oversættelser af denne vejledning på ovennævnte webadresse.  
NB - Ytterligere oversettelser av denne håndboken er tilgjengelige på ovenstående internetadresse.  
PT - Traduções adicionais deste manual estão disponíveis no URL acima.  
CS - Další překlady tohoto návodu jsou k dispozici na výše uvedené adrese URL.  
PL - Dodatkowe tłumaczenia tej instrukcji dostępne są pod powyższym adresem WWW.

# SPECIFICATIONS

Sliding table	9" x 47" (22.8 x 119.4cm)	Maximum cut capacity (standard mounting)	48" (121.9cm)
Extension table	9" x 23.6" (22.8cm x 59.9cm)	Maximum cut capacity (flush mounting)	37" (94cm)
Maximum table travel	60" (152cm)	Weight capacity fully extended	110 lbs (50kg)
Maximum crosscutting length	60" (152cm)	Net Weight	70 lbs (32kg)

Note the dimensions provided in this drawing for space planning purposes. The configuration shown is one of four possible configurations (See **MOUNTING OPTIONS** on page 5). The required footprint will vary slightly depending on the specific configuration you choose.



# UNPACKING

The Sliding Crosscut Table is shipped partially assembled. Please unpack the parts carefully and confirm you have received each item on the list below. Note that you will refer back to this page during assembly instructions.

- A. Sliding Table Assembly (1)
- B. Support Leg Assembly (2)
- C. Fence Assembly (1)
- D. Fence Extension Support Plate (1)
- E. Extension Table Assembly (1)
- F. Flip Stop Assembly (2)
- G. Crosscut Fence Lock Knob (1)
- I. Switch Box Mounting Bracket (1)
- J. Auxiliary Hardware Pack:
  - 1. Cap Screw M6x1.0x16 (6)
  - 2. Lock Washer M6 (6)
  - 3. Flat Washer M6 (9)
  - 4. Nut M6 (3)
  - 5. T-Bolt M8x1.25x35 (2)
  - 6. Flat Washer M8 (2)
  - 7. Lock Nut M8 (2)

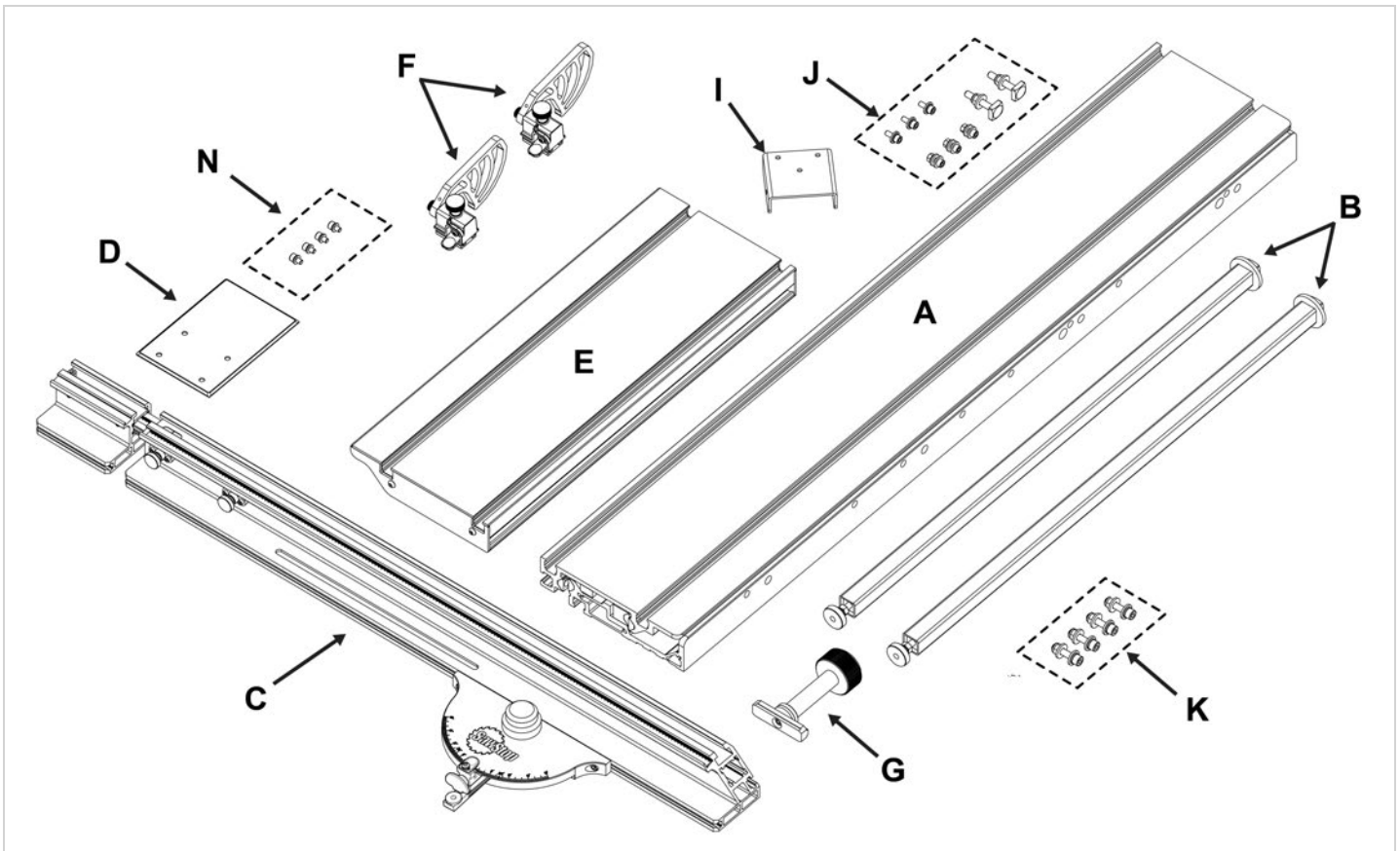
## K. PCS Table or Wing-Mounting Hardware Pack:

- 1. Cap Screw M8x1.25x35 (4)
- 2. Lock Washer M8 (4)
- 3. Flat Washer M8 (2)
- 4. Lock Nut M8 (4)

## N. Fence Extension Support Plate Mounting Hardware Pack:

- 1. Cap Screw M6x1x10 (4)
- 2. Lock Washer M6 (4)
- 3. Flat Washer M6 (4)

**HELPFUL TIP:** The letter labels on the three hardware bags match the letter designations listed above. These designations and the letters that label major components seen below, are also called out in the assembly instructions. To find the correct part or fastener associated with each step of the installation, you may find it helpful to refer back to this page.



## COLOR VARIATIONS AMONG ANODIZED COMPONENTS

The major components of your Sliding Crosscut Table are extruded from high-grade aluminum and then anodized to provide a durable, corrosion-resistant surface. The process of aluminum anodization creates a lustrous colored finish that can vary slightly from one component to another. When developing the manufacturing process for the Sliding Crosscut Table, we chose contrasting hues of black and grey to match and enhance the glossy black powder coating of our table saws. As a result, the color variation you may see is intended.

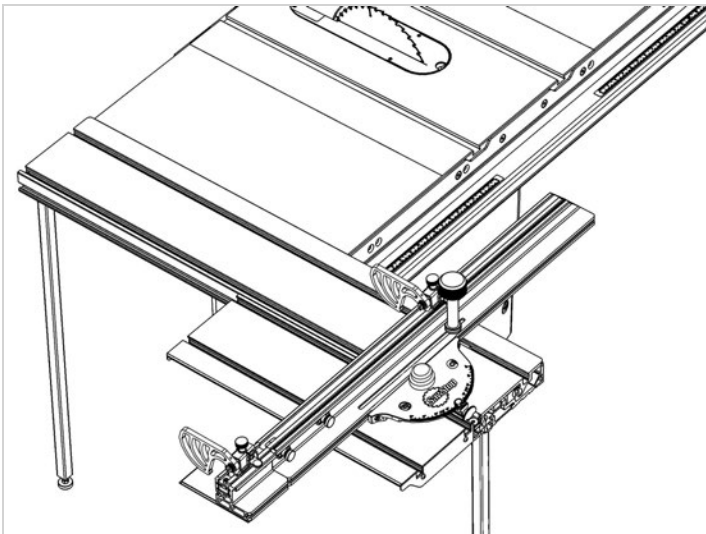
## MOUNTING OPTIONS

The SawStop Sliding Crosscut Table can be mounted to your SawStop table saw in any of four different configurations depending on your needs. Choose from the options described below note the page where the instructions begin for your selected mounting option.

### STANDARD MOUNTING WITH LEFT EXTENSION WING

#### OPTION 1 OF 4

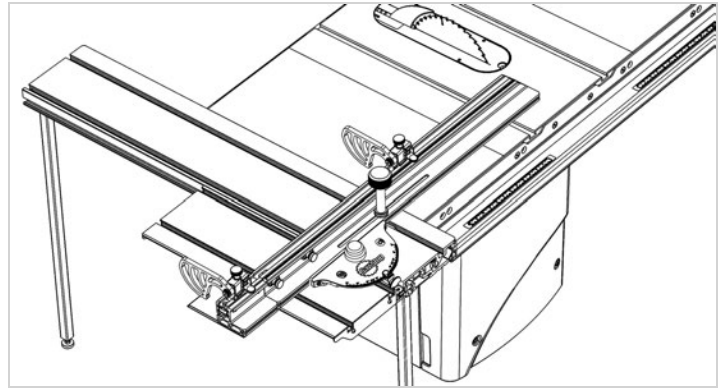
This configuration provides the maximum cutting length while also maintaining the additional support to the left of the blade provided by the left extension wing.



### FLUSH MOUNTING WITH LEFT EXTENSION WING

#### OPTION 2 OF 4

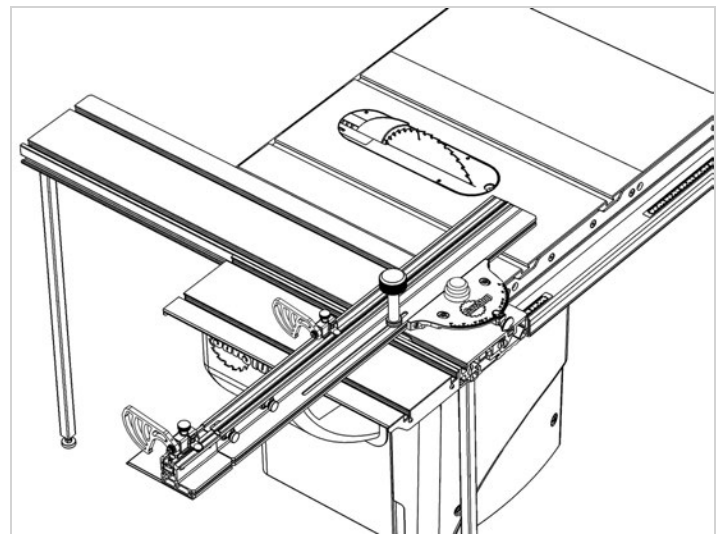
This configuration minimizes the total footprint, but with the crosscut fence and miter gauge mounted at the front of the sliding table, as shown below, the cut length capacity is reduced from 48" (122cm) to 37" (94cm).



### FLUSH MOUNTING WITHOUT LEFT EXTENSION WING

#### OPTION 3 OF 4

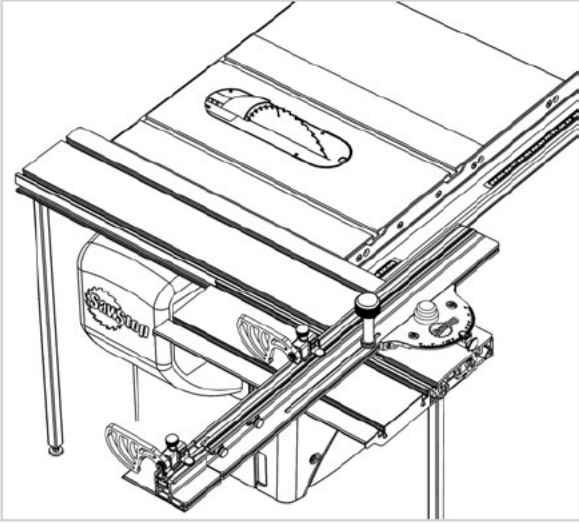
This configuration minimizes the total footprint, but with the crosscut fence and miter gauge mounted at the front of the sliding table, as shown below, the cut length capacity is reduced from 48" (122cm) to 37" (94cm). Since the left wing is not installed, the crosscut table is close to the saw blade.



## STANDARD MOUNTING WITHOUT LEFT EXTENSION WING

### OPTION 4 OF 4

This configuration provides the maximum ripping length and the closest position of the Crosscut Table to the saw blade.



## MODIFYING YOUR TABLE SAW

Before mounting the Sliding Crosscut Table, you may need to modify your table saw. Some of the steps below involve removing/installing the fence rails and extension wing. For those steps please refer to your table saw manual and fence manual. (You can download manuals at [SawStop.eu](http://SawStop.eu) or [SawStop.uk](http://SawStop.uk))



### WARNING:

Disconnect your table saw from electrical power before beginning any modifications.

## FOR UNASSEMBLED SAWS

If your saw has not yet been assembled, you will first need to pre-install the fence rails to mark them for cutting. If you plan to mount the Sliding Crosscut Table with the left extension wing, begin by installing and aligning the left extension wing as described in the installation documentation for your table saw. If you plan to mount the Sliding Crosscut Table without the left extension wing, then do not install the wing for this step. Next, install your rail assembly to the saw as described in your fence manual. It is not necessary to install every screw or to fully align and tighten your rails at this time.

## CUTTING FENCE RAILS

If you have chosen to use a **With Wing** configuration as described in the previous section:

If the left ends of the front and rear rails do not extend past the left edge of the left extension wing, then no modifications are necessary to complete the assembly of your saw and rails. You may skip directly to **Mounting the Sliding Crosscut Table**. If the left ends of the front and rear rails do extend past the left edge of the extension wing, you will need to shorten your rails using the steps below.

If you have chosen to use a **Without Wing** configuration as described in the previous section:

You will need to shorten your rails before mounting the sliding table attachment using the steps below.

1. Find the seam between the table and the left extension wing (or the left edge of the table if the wing is not installed). Mark the front rail, rear rail and main tube  $\frac{1}{4}$ " (6mm) to the right of the seam (or edge).
2. Use a 13mm wrench to remove the bolts from the underside of the main tube. Set it aside.
3. Use a 13mm wrench and 5mm Allen wrench to remove the front and rear rails.
4. If the left extension wing is already installed on your saw, and you have chosen to use a Without Wing configuration as described in the previous section, use a 13mm wrench to remove the left extension wing from the table saw.
5. If you have not yet mounted the switch box assembly to your saw, skip to step 6. If your switch box assembly has already been mounted to your saw, use a hex wrench to remove the two bolts that mount the switch box bracket to the main table. Allow the switch box assembly to dangle in place.
6. Use a metal cutting band saw to cut off the front rail, rear rail, and main tube at the marks made in Step 1.



### IMPORTANT:

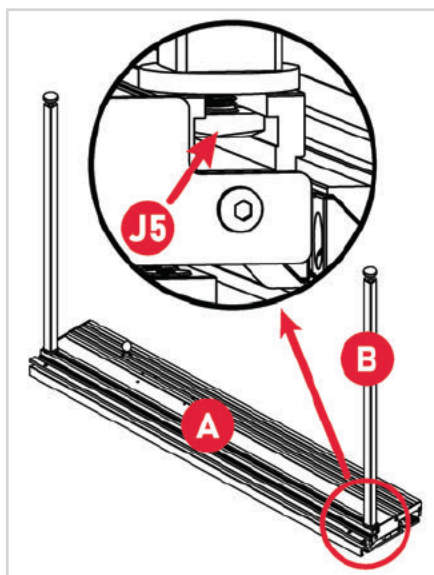
Use metal-cutting band saw only. Other types of saws (such as circular saw) generate too much heat causing the powder coating to blister.

7. Remove any burrs or sharp edges with a file.
8. Remove the plastic end cap from the cut off portion of the main tube and install it on the new left end of the main tube.
9. If necessary, complete the assembly of your saw but do not mount the switch box. Next, re-install the front and rear rails and the main tube (refer to your fence system manual for instructions).

## MOUNTING THE SLIDING CROSSCUT TABLE

Before continuing, make sure the sliding table top is locked to the sliding table assembly. If the sliding table top is not locked, pull out the sliding table lock knob on the bottom of the table assembly and rotate it 90 degrees, then release. Slowly slide the table top toward the Home Position. The Home Position is where the front of the sliding table top is generally flush with the table bottom. The lock knob should engage the table top and lock it against further movement. This will help prevent injury due to the sliding table top moving unexpectedly.

1. Turn the Sliding Table Assembly (A) upside down, slide the support leg T-bolts (J5) into the sliding table T-slot, then hand-tighten the legs (B) clockwise to secure them in place.



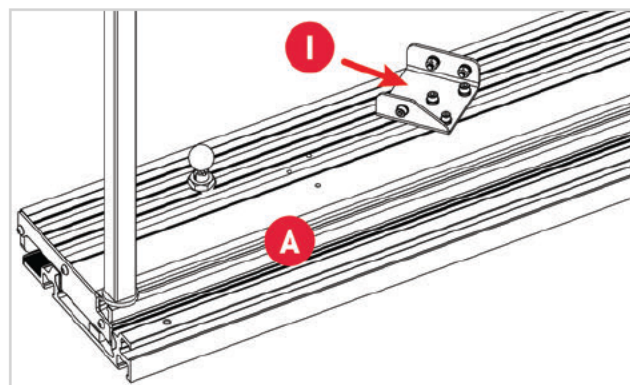
### ! IMPORTANT:

For the best support, position the legs near the edges of the sliding table, as shown above.

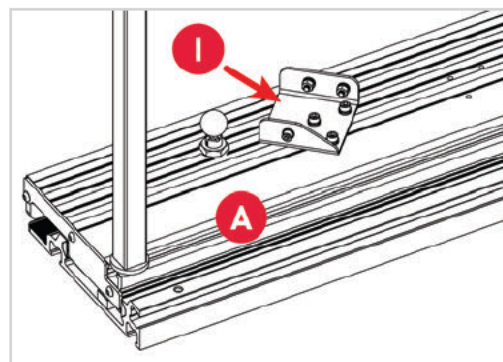
2. Perform this step **ONLY** if you have chosen to use a Without Wing configuration:

Attach the Switch Box Mounting Bracket (I) to the underside of the sliding table assembly using three M6x1.0x16 cap screws (J1), three M6 washers (J3) and three M6 lock washers (J2) from the Auxiliary Hardware Pack (J), as shown in the images below - placement will vary.

Option 1: If you are mounting the Sliding Crosscut Table in the standard configuration, align the holes in the Switch Box Mounting Bracket (I) to the rear holes on the underside of the Sliding Table Assembly (A).



Option 2: If you are mounting the Sliding Crosscut Table in the Flush Configuration, align the holes in the bracket (I) to the front holes on the underside of the Sliding Table Assembly (A).



3. **Perform this step ONLY if you have chosen to use a With Wing configuration:**

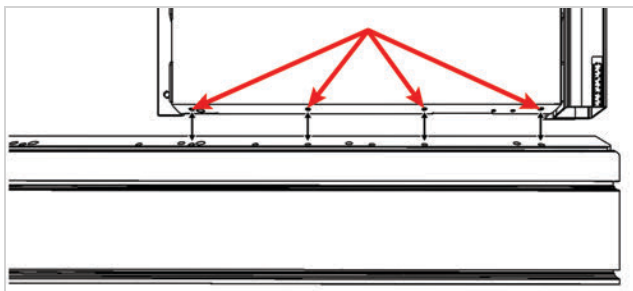
Mount the switch box assembly as described in the installation documentation for your saw.

4. Remove the M8x1.25x35 cap screws (K1), the M8 lock washers (K2) and four of the M8 flat washers (K3) from the PCS/CNS Table or Wing Mounting Hardware Pack (K). (The remaining hardware is not needed for this mounting configuration.)

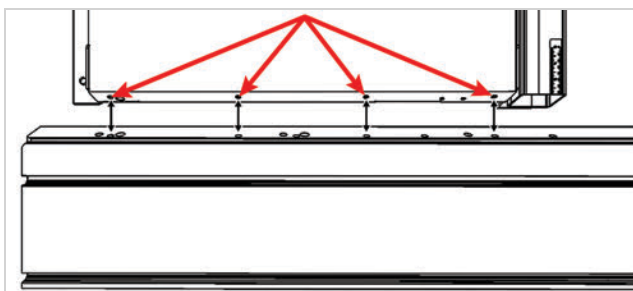


5. With the help of at least one other person to support the weight, turn the sliding table assembly over and position it against the side of the saw table or extension wing. (This will differ depending on whether you have chosen a With Wing or Without Wing configuration.)
6. Adjust the height of the sliding table to approximately match the height of the saw by turning the foot pads on the bottoms of the leg assemblies.

Visually align the mounting holes in the side of the sliding table assembly with the holes in the side of the wing and then mark the set of holes to be used. Professional Cabinet Saws have 4 mounting holes:



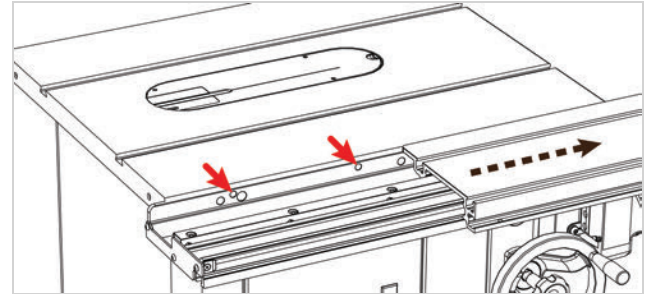
*(Flush mount shown above)*



*(Standard mount shown above)*

7. Pull out the sliding table lock knob on the underside of the sliding table assembly and rotate it 90 degrees to unlock the sliding table. Then slide

the table top toward the front of the saw to expose two of the mounting holes.



8. **Perform this step ONLY if If you have chosen to use a Without Wing configuration:**

With the mounting holes aligned, thread two M8x1.25x35 cap screws (K1) with two M8 lock washers (K2) and two M8 flat washers (K3) through the sliding table into one of the exposed mounting holes of the saw table.

Repeat this process for the other exposed mounting hole. Only finger tighten the cap screws at this time.

9. **Perform this step ONLY if If you have chosen to use a With Wing configuration:**

With the mounting holes aligned, insert an M8x1.25x35 cap screw (K1) through a flat washer (K3), then through one of the two exposed rear holes in the sliding table and extension wing. Add a second flat washer (K3) and a lock nut onto the end of the cap screw (K1).

Repeat this process for the other exposed rear hole in the sliding table and extension wing. Only finger tighten the cap screws at this time.

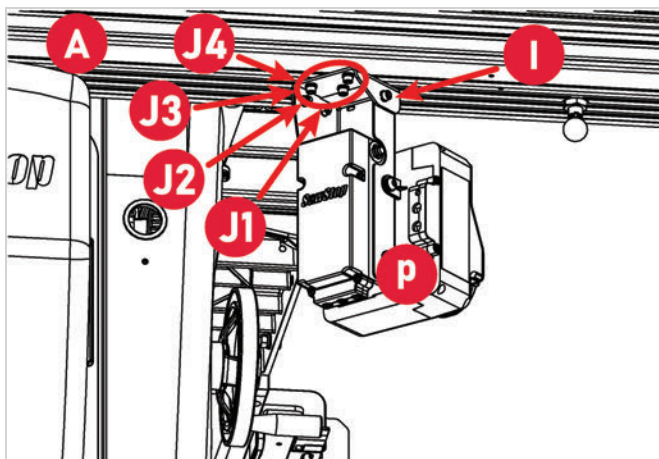
10. Slide the table top toward the back of the saw to expose the final mounting hole(s) and install the remaining cap screw(s), lock washer(s), and flat washer(s). There may be one or multiple sets of hardware to install depending on your saw. Only finger tighten the cap screws at this time.
11. Slide the table top as necessary until only one cap screws is exposed at the front of the saw. Lay a straight edge across the sliding table top so that it extends over the top of the table saw as close to the exposed cap screw as possible. Make sure the sliding table top is parallel to the top of the saw and then adjust the foot pad on the bottom of the front leg until the sliding table top is between 0.010" (0.2mm) and 0.020" (0.5mm) higher than the

table saw top. Tighten the exposed fastener. Slide the table toward the front of the saw to expose one cap screw at the back of the saw and repeat the process at this location. Recheck both ends of the table (front and back) to make sure they are still correct. Then tighten the remaining fasteners.

12. Pull out the sliding table lock knob on the underside of the sliding table assembly, rotate it 90 degrees then release. Slide the table top toward the Home Position until it locks in place. (The Home Position is where the front of the sliding table top is generally flush with the table bottom.)

13. **Perform this step ONLY if you have chosen to use a Without Wing configuration:**

Attach the switch box assembly (p) to the mounting bracket (I) on the underside of the sliding table using three M6x1.0x16 cap screws (J1), three M6 lock washers (J2), six M6 washers (J3), and three M6 nuts (J4) from the Auxiliary Hardware Pack (J).



14. Place the two M8 T-bolts (J5) from the Auxiliary Hardware Pack (J) through the holes in the side of the extension table assembly (E). Loosely install the M6 flat washers (J3) and M8 lock nuts (J7) on the T-bolts (J5). Slide the heads of the T-bolts into the T-slot on the outside edge of the sliding table, and then tighten the M8 lock nuts (J7) to secure the extension table (E) in place.

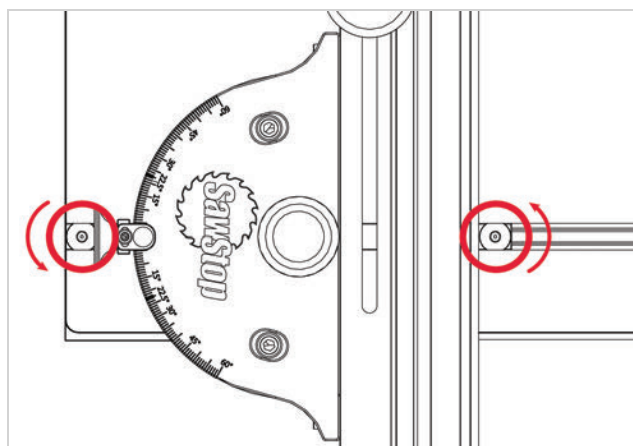
For most operations, position the extension table so that it is flush with the front edge of the sliding table top, as shown below.



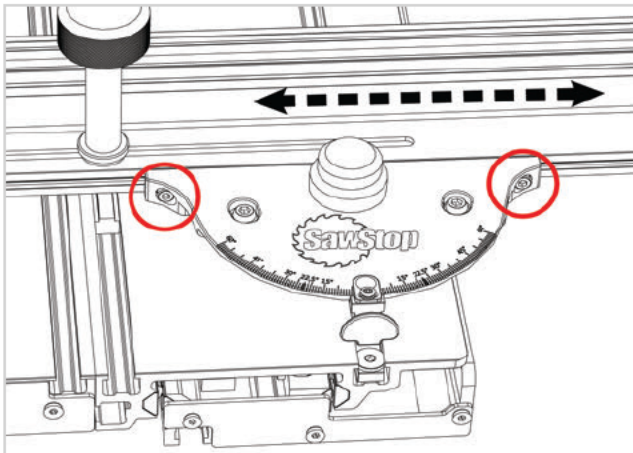
## MOUNTING THE MITER GAUGE AND CROSSCUT FENCE

This procedure is identical whether you have chosen a With Wing or Without Wing configuration.

1. Slide the miter gauge bar into the T-slot on the sliding table top farthest from the blade as shown below.
2. For full cutting capacity, the miter gauge bar should be positioned flush with the front edge of the sliding table. Use a 5mm hex wrench to turn the reverse-thread fasteners (circled in the illustration below) at the front and rear of the miter gauge bar COUNTERCLOCKWISE to secure the miter gauge to the sliding table.



- Use a 5mm hex wrench to slightly loosen the crosscut fence from the miter gauge as shown. **Do not loosen the screws more than 1 ½ full turn.**

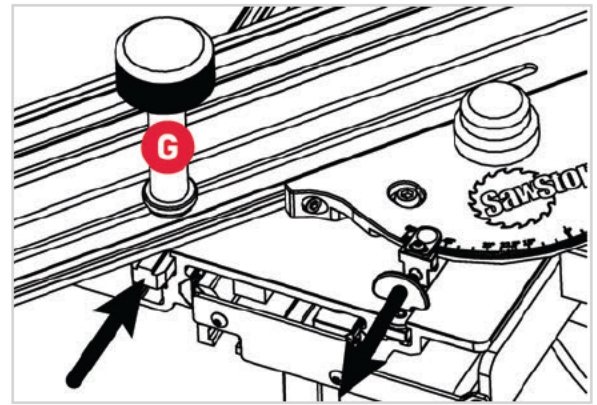


Raise the saw blade to the highest elevation and tilt it to 45 degrees. Pivot the crosscut fence until it is parallel to the front edge of the saw table. Slide the crosscut fence to the right until the right side of the crosscut fence is about 2.5" (63mm) from the left side of the blade. If you want to position the crosscut fence closer to the blade, be careful not to run the crosscut fence into the blade guard or anti-kickback pawls (if present) during operation. Retighten the screws.

**NOTE:**

A setscrew installed in the T-slot prevents the fence from contacting the blade or blade guard when installed as directed with the left extension wing in place.

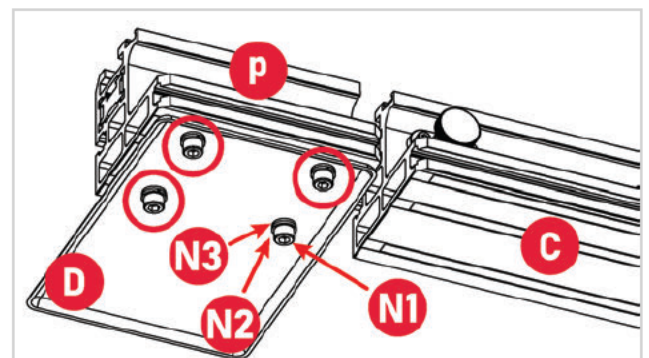
- Pull the detent pin backwards (see arrow at left in the image below) and pivot the crosscut fence clockwise until the right end of the long slot on the crosscut fence is off the saw table. Remove the T-bolt and plastic washer from the crosscut fence lock knob (G) and insert the threaded shaft of the T-bolt up through the slot as shown in the image below.



Pivot the fence counterclockwise and slide the T-bolt into the T-slot in the right side of the sliding table top. Place the plastic washer you removed earlier on the T-bolt threaded shaft and then screw the crosscut fence lock knob (G) through the washer and into the T-bolt. Do not tighten the lock knob at this time.

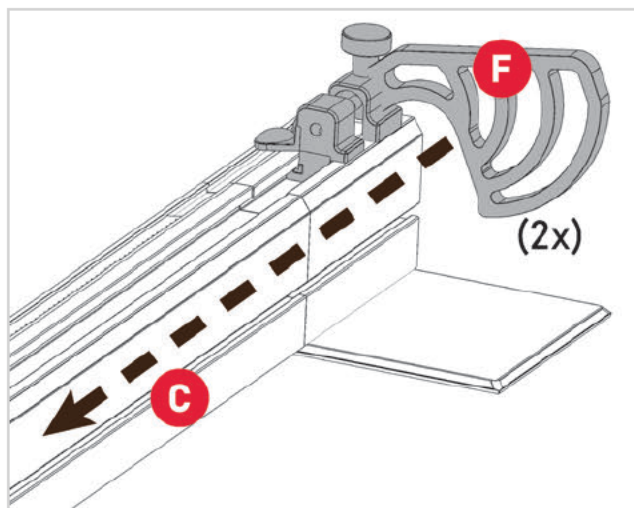
- Use a square to position the fence exactly 90 degrees relative to the saw blade then tighten the crosscut fence lock knob.
- Check the miter gauge angle indicator. If the reading is not 0 degrees, loosen the indicator lens mounting screw and adjust the position of the indicator to read 0 degrees. Retighten the mounting screw.

- Mount the Fence Extension Support Plate (D) to the bottom of the Fence Extension using four M6x10 Cap Screws (N1), M6 Lock Washers (N2) and M6 Flat Washers (N3) from the Fence Extension Support Plate Mounting Hardware Pack.



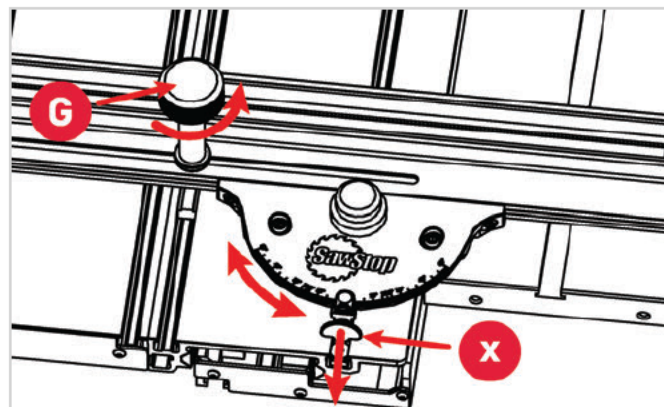
- Slide the two Flip Stop Assemblies (F) into the T-slot on top of the crosscut fence (C) and then

tighten their lock knobs to hold them in place.



## OPERATION

1. To adjust the crosscut miter angle, loosen the crosscut fence lock knob (G) and disengage the detent pin (X) to allow the crosscut fence to pivot.



### ! IMPORTANT:

The rulers on the fence and the fence extension are double-sided. Flip them over to reveal metric or imperial scale.

9. Using a tape measure, adjust the right flip stop (F) to 12" (30cm) from the blade. Adjust the integrated fence ruler so that it indicates 12" (30cm) in the flip stop indicator lens.
10. To properly position the ruler on the crosscut fence extension, slide the left flip stop to the left-most position on the crosscut extension section. Next, slide the extension ruler left until it stops. Using a tape measure, extend the crosscut fence extension out until the distance between the blade and the left flip stop is 50" (127cm). Check the indicator reading on the extension fence. If the indicator does not read 50" (127cm), adjust the position of the flip stop until the indicator reads 50" (127cm), then lock the flip stop in place by tightening the lock knob.

These final adjustments ensure exact measurements when cutting using the flip stop on the crosscut fence extension with the miter gauge set to the 0 degree mark. When the miter gauge is adjusted to an angle other than 0 degrees, the extension ruler will need to be readjusted before using the flip stop indicator lens.

## CONGRATULATIONS!

Your Sliding Table Attachment is now installed

### ! IMPORTANT:

If using the rulers on the fence or fence extension to position the flip stops, you should reposition the rulers after changing the miter angle.

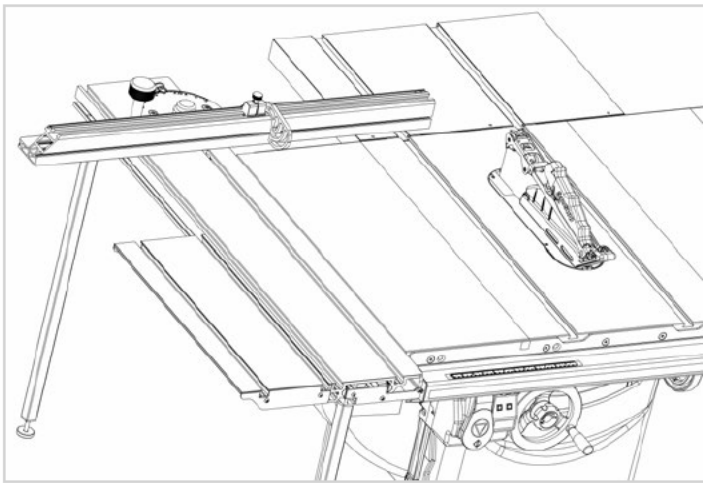
2. Using the miter gauge angle indicator, set the fence to the desired miter angle and retighten the lock knob (G) to secure the fence in place.
3. To make repetitive cuts, loosen the appropriate flip stop lock knob and slide the flip stop into the desired position. Retighten the lock knob to lock the flip stop in place.
4. Unlock the sliding table by pulling out the sliding table lock knob on the underside of the sliding table and rotating it 90 degrees.
5. To prevent the sliding table from moving, pull out the sliding table saw lock knob and rotate it 90 degrees. Next, slowly slide the table toward the Home Position (where the front of the sliding table top is generally flush with the table bottom) until the lock pin engages and the table locks in place. When the sliding table is not in use, lock it in place so that it will not move unexpectedly.
6. For longer work pieces (up to 60" (1524mm)), make sure the fence is positioned over the extension table. Next, loosen the crosscut fence extension lock knobs and slide the fence extension to the left as needed to accommodate the longer work piece. Retighten the fence extension lock knobs.

## HOW TO USE THE DETENT PIN

The face of the miter gauge can be adjusted between  $-60^\circ$  and  $+60^\circ$  relative to the blade. To adjust the miter angle, turn the crosscut fence lock knob counter-clockwise approximately  $1/2$  turn to unlock the miter gauge head. Pull the detent pin backwards until it stops, and then rotate the head until the indicator is positioned over the desired angle on the miter gauge scale. Use an angle gauge to set the angle between the miter gauge head and the blade if precise alignment is needed. Once the angle is correct, turn the crosscut fence lock knob clockwise to lock the miter gauge head.

Adjustable index stops at  $-60^\circ$ ,  $-45^\circ$ ,  $-30^\circ$ ,  $-15^\circ$ ,  $0^\circ$ , and  $+15^\circ$ ,  $+30^\circ$ ,  $+45^\circ$ ,  $+60^\circ$  are provided to allow quick and precise alignment at those angles. To use the index stops, rotate the miter gauge head until the angle indicator reads approximately the desired angle, and then push the detent pin forward until it stops. The index stops can be adjusted by loosening the two M8x1.25x12 button head socket screws on the top of the miter gauge head and rotating the miter gauge detent plate. Once the index stops are properly adjusted, retighten the screws to secure the detent plate in place.

## REVERSE CROSSCUT FENCE INSTALLATION



*Optional Configuration*

In this configuration, the leading edge of the workpiece is registered against the fence, whereas the traditional configuration registers the trailing edge of the workpiece against the fence.

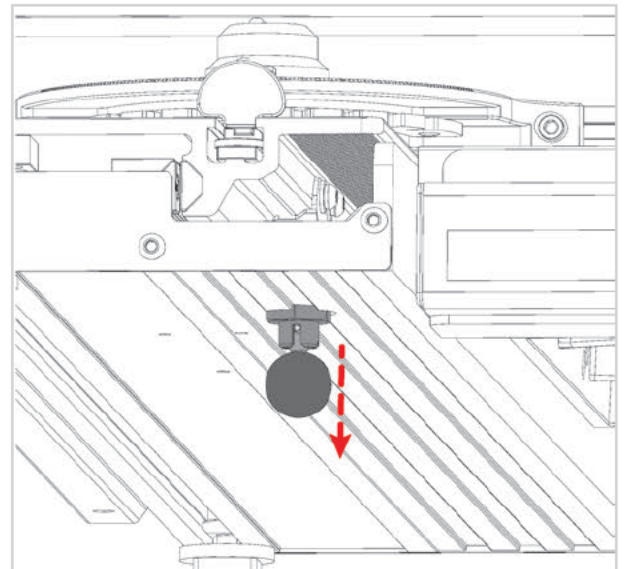
One advantage of the inverted configuration is increased cut capacity. For Flush Mount configurations (see **MOUNTING OPTIONS** on page 5), the cut capacity is increased to 51" (129cm) as compared to 37" (94cm) with the crosscut fence in the traditional configuration. For Standard Mount configurations, the cut capacity is increased to 39" (99cm) as compared to 38" (96.5cm) with the crosscut fence in the traditional configuration.

### **i** NOTE:

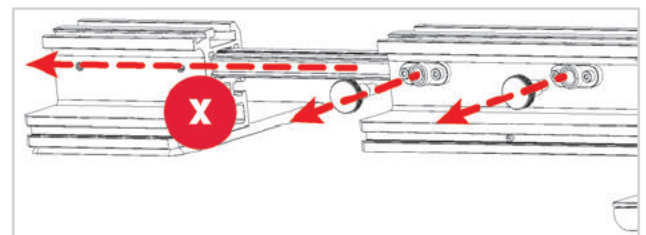
If you have chosen a With Wing installation scenario, note that the miter adjustment range of the fence is very limited in this reverse configuration.

Follow the steps below to reconfigure your crosscut fence to the reverse position.

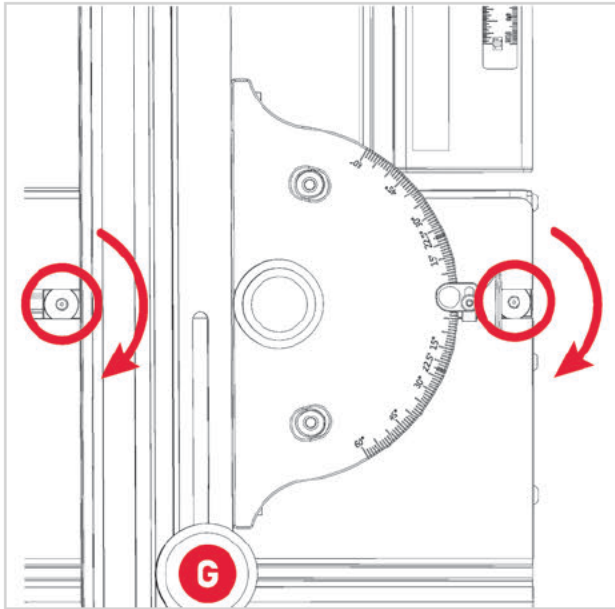
1. Pull out the sliding table lock knob on the underside of the sliding table assembly, rotate it 90 degrees then release. Slide the table top toward the Home Position until it locks in place. (The Home Position is where the front of the sliding table top is generally flush with the table bottom.)



2. Remove both thumbscrews that secure the fence extension (x) into the main fence extrusion.

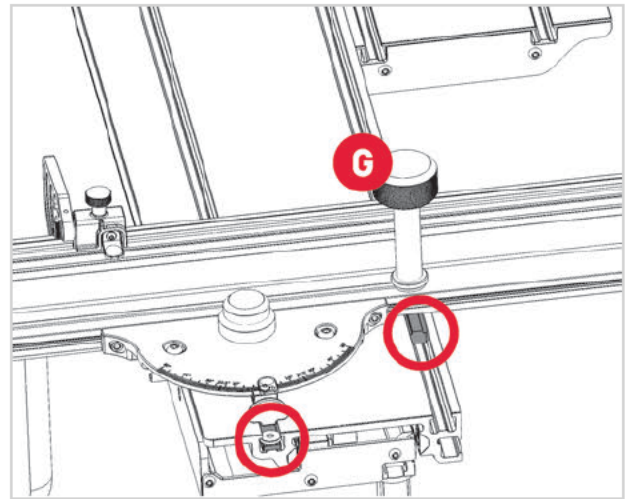


3. Fully extend and then completely remove the fence extension (x) from the main crosscut fence. Set the extension aside as it cannot be used in the reverse configuration.
4. Reinstall the thumbscrews you removed in step 2. Tighten to ensure they do not inadvertently fall out during cutting operations but do not overtighten.
5. Using a 5mm hex wrench, turn the reverse-thread fasteners (circled in the illustration below) at the front and rear of the miter gauge bar **CLOCKWISE** to loosen the miter gauge from the sliding table.



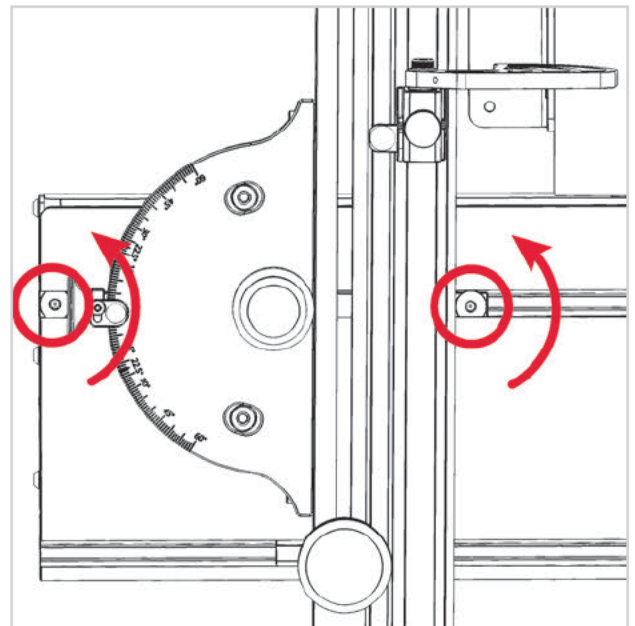
Loosen the fence lock knob (G)

6. Slide the miter gauge and fence toward you to remove it from the slot in the sliding table.
7. Move to the opposite end of the sliding table and slide the miter gauge bar into the slot in the sliding table located closest to the saw blade. Simultaneously, align the T-bolt attached to the fence lock knob (G) with the slot in the sliding table that is furthest from the saw blade.

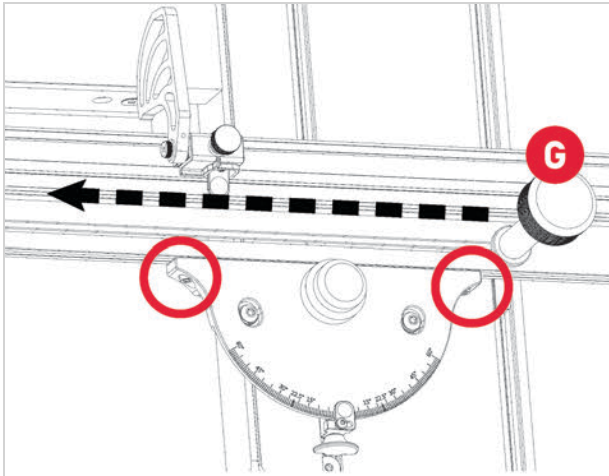


Position the back of the miter gauge bar at the edge of the sliding table as shown.

8. Use a 5mm hex wrench to turn the reverse-thread fasteners (circled in the illustration below) at the front and rear of the miter gauge bar **COUNTERCLOCKWISE** to secure the miter gauge to the sliding table.



9. Use a 5mm hex wrench to slightly loosen the crosscut fence from the miter gauge head as shown. **Do not loosen the screws more than 1 ½ full turn.**



14. (Optional step) You may prefer to to adjust the location of the Extension Table Assembly (E) for optimal workpiece support. Using a 13mm wrench, loosen both lock nuts (J7) located on the underside, then slide Extension Table Assembly (E) to the desired location. Re-tighten the lock nuts.



10. Adjust the fence in relation to the miter gauge head:  
WITH WING: Slide the fence to the left (toward the blade) until it cannot be moved further. The shaft of the fence lock knob (G) will be at the extreme end of the adjustment slot in the fence as shown above.)  
WITHOUT WING: Position the fence to provide optimal support for the workpiece. Maintain at least 3mm distance between the saw blade and the end of the fence.
11. To secure the fence to the miter gauge head, re-tighten the bolts you loosened in step 9 using a 5mm hex wrench.
12. Confirm the fence is at the desired angle then tighten the fence lock knob (G).
13. Remove the ruler from the crosscut fence extrusion, re-orient the ruler so that the lowest numbers on the scale are positioned closest to the saw blade and re-insert the ruler into the fence extrusion.

Calibrate the exact position of the ruler using the method described on page 11.

# NOTES





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