



## Customer Notice:

Congratulations on the purchase of this Sliding Crosscut Attachment. As the owner of a SawStop saw, you are familiar with our high standards for quality, fit and finish.

Different from your saw, this Sliding Crosscut Attachment is crafted from aluminum. Rest assured that we use high quality T6 aircraft-grade aluminum for long life and durability. In this application, aluminum is dyed by a process called "anodizing." While this process creates deep and lustrous color, it is not as precise as painting or powder coating. It is likely that you will see some variations in color shade between the different aluminum parts that make up your Sliding Crosscut Table. Please understand that we at SawStop have worked hard to minimize these variations, and that any differences you may notice are both expected and unavoidable.

Congratulations again on your SawStop purchase, and thank you!

-SawStop  
Tualatin, OR

## Modifying Your Unassembled Table Saw

If your table saw is not yet assembled, follow these instructions in place of the instructions on Page 4 of the Owner's Manual for modifying your saw rails before assembling your table saw and attaching your Sliding Crosscut Table.

1. Set out the front rail, rear rail, and main tube. (*Contractor Saw w/ 30" TSA-SFA does not have a front rail*)
2. Mark the front rail, rear rail, and main tube, measuring from the left end. Refer to the table below for the correct measurements, and the diagram at the bottom of the page to determine the left end of the rails.

**Note: To orient the tube properly, ensure the ruler is right side up when you are facing the tube. Then, measure and cut from the left end.**

3. Use a metal cutting band saw to cut the front rail, rear rail, and main tube at the marks made in the previous step.

**Note: Using other types of saws (such as a circular saw) can generate enough heat to blister the powder coating.**

4. Remove any burrs or sharp edges with a file. Remove cap from end of rail and reinstall on new cut end.
5. Install the front rail, rear rail, and main tube as you normally would when assembling your table saw, using the instructions provided with your saw. In your Sliding Crosscut Table Owner's Manual, proceed with setup starting at Page 5, Steps 10-12.

**Reminder: The Sliding Crosscut Table takes place of the left wing.**

### Contractor Saw

Rip Capacity	Front Rail	Main Tube	Rear Rail
30" (TSA-SFA)		13 1/4	10 1/2
36" (TGP2-36)	13 5/8	13 5/8	12 3/8
52" (TGP2-52)	13 5/8	13 5/8	12 3/8

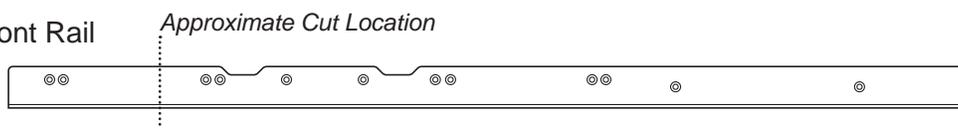
### Professional Cabinet Saw

Rip Capacity	Front Rail	Main Tube	Rear Rail
30" (TSA-PFA)	12 5/8	12 5/8	11 3/8
36" (TGP2-36)	12 5/8	12 5/8	11 3/8
52" (TGP2-52)	12 5/8	12 5/8	11 3/8

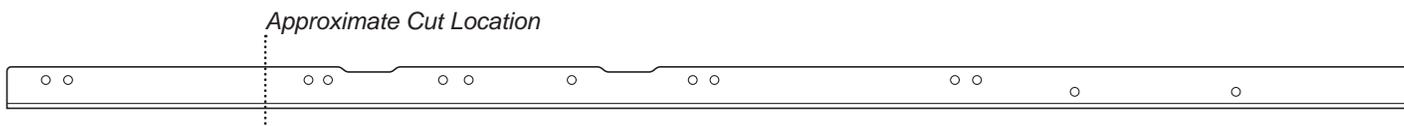
### Industrial Cabinet Saw

Rip Capacity	Front Rail	Main Tube	Rear Rail
36" (TGP2-36)	10 11/16	10 11/16	10 9/32
52" (TGP2-52)	10 11/16	10 11/16	10 9/32

Example of a Front Rail

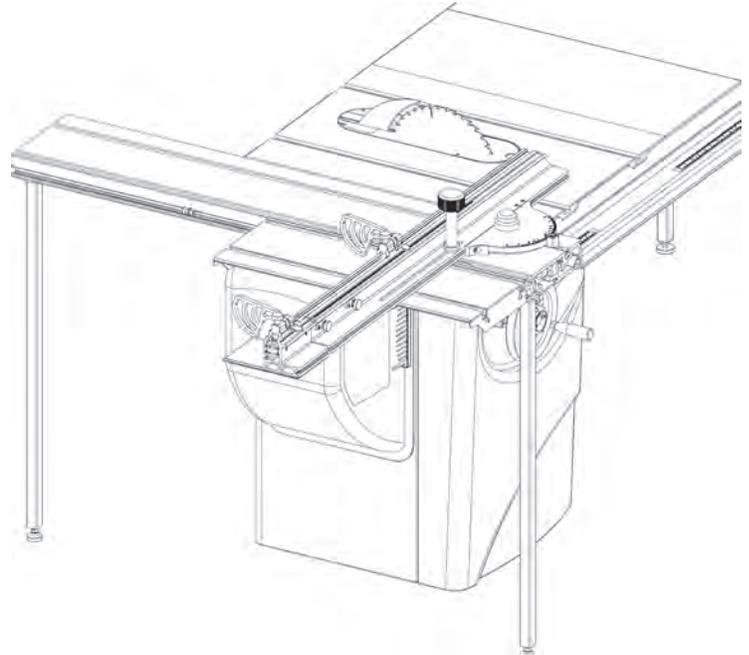


Example of a Rear Rail

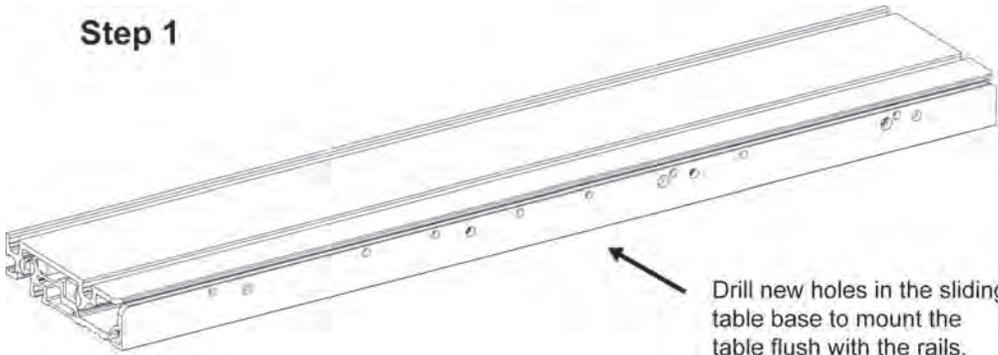


# Alternative Mounting Instructions

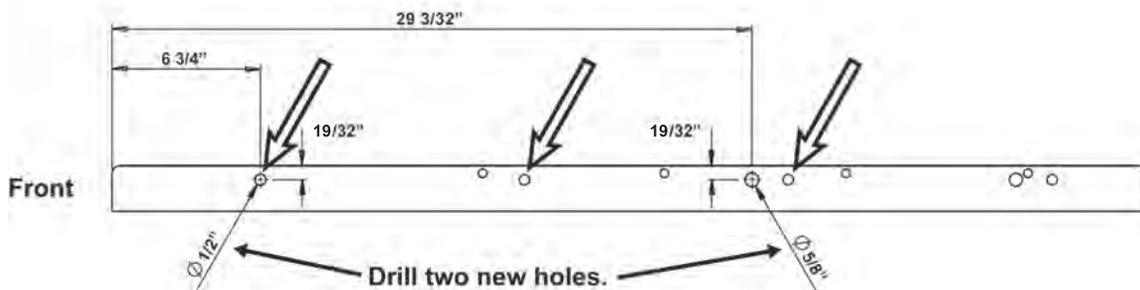
For a reduced footprint, you can mount your sliding table attachment “flush” with the front rails as shown on the right. With a flush mounting, the maximum rip capacity is reduced from 48” to 37”.



## Step 1



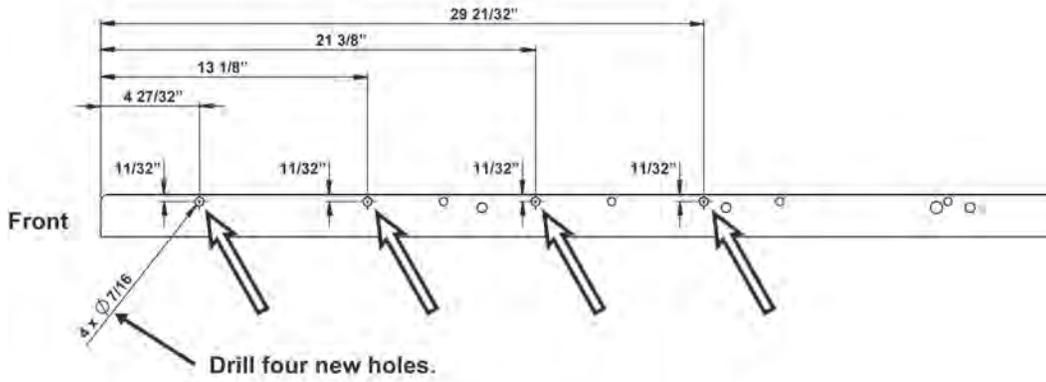
## For ICS Saws only



Mount your sliding table attachment to your ICS saw using the holes indicated by these arrows. (see step 5 of the installation instructions.)

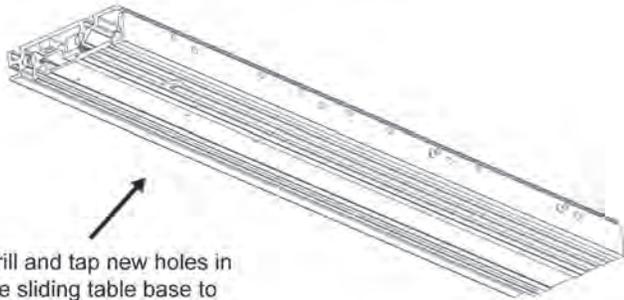


**For PCS & CNS Saws only**

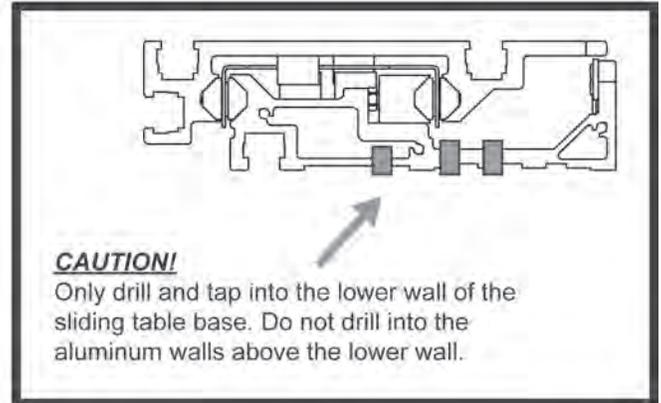


Mount your sliding table attachment to your PCS or CNS saw using the holes indicated by these arrows. (see step 5 of the installation instructions.)

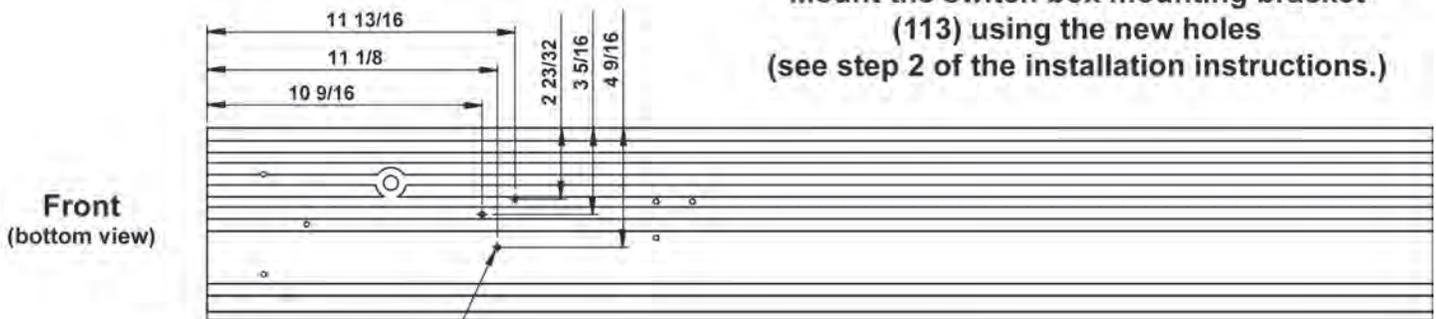
**Step 2 for PCS & CNS saws only**



Drill and tap new holes in the sliding table base to mount the switch box and contactor assembly.



Mount the switch box mounting bracket (113) using the new holes (see step 2 of the installation instructions.)

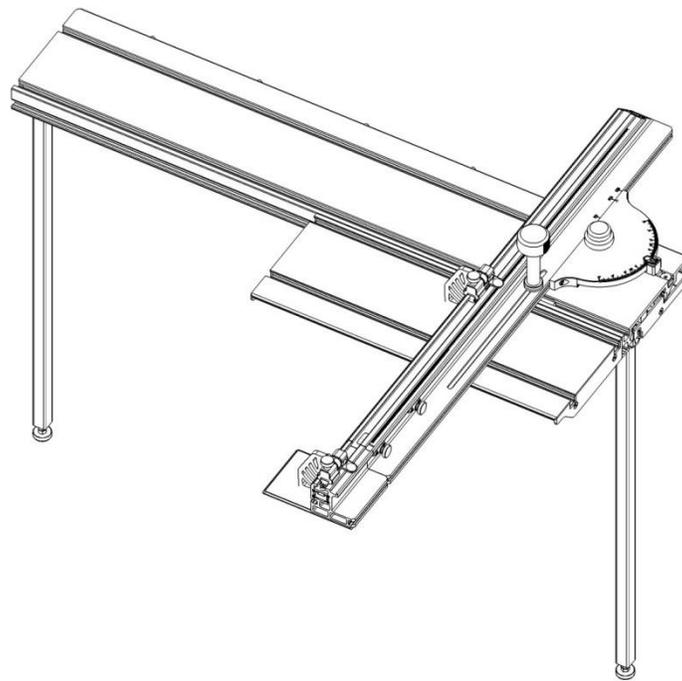


3 x M6 x 1 THREADED HOLES

Drill and tap three new holes.

# *SawStop*<sup>®</sup>

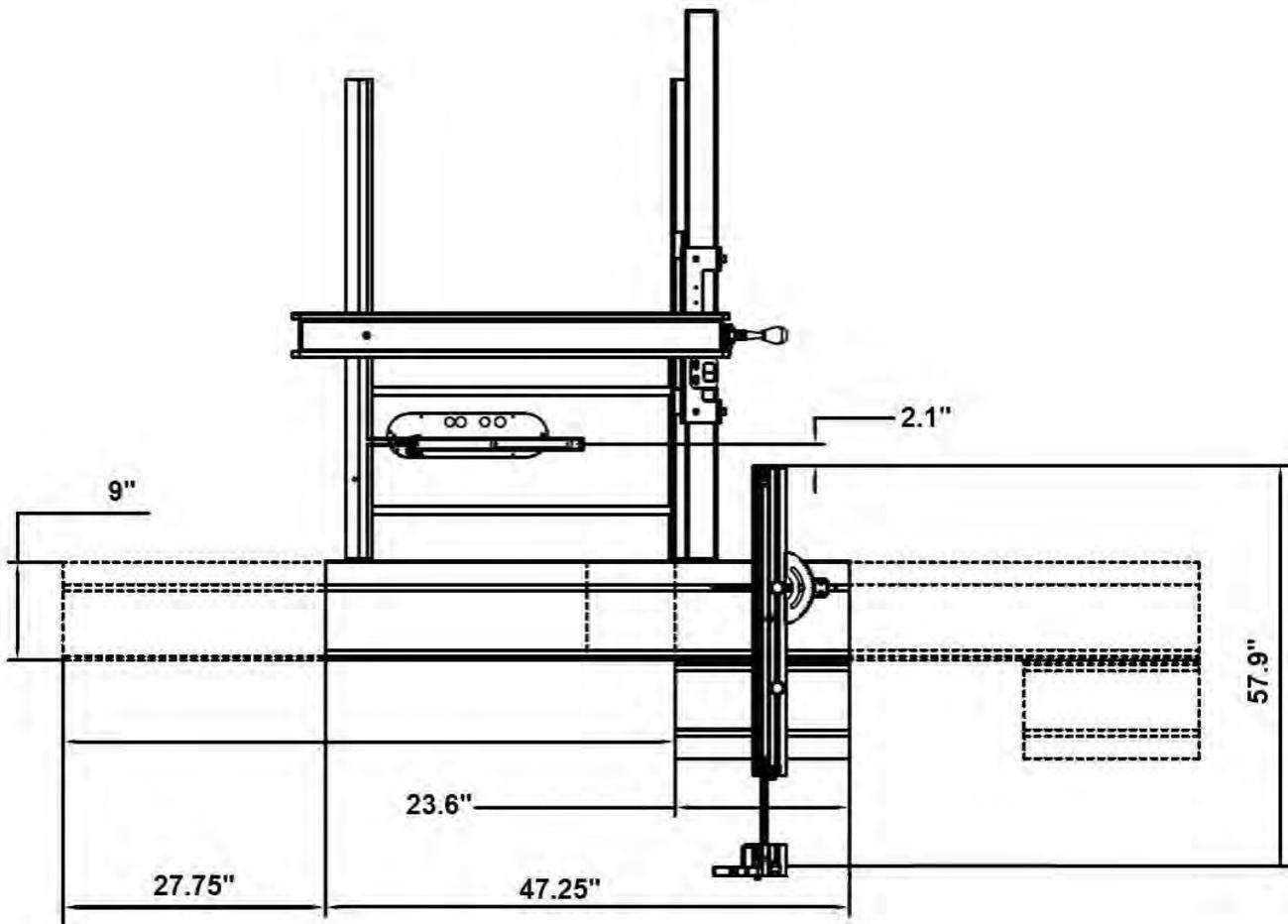
## Sliding Crosscut Table Installation Guide



**Model TSA-SA48**

## Product Specifications

Sliding Table.....	9" x 47"
Extension Table .....	9" x 23.6"
Maximum Table Travel .....	60"
Maximum Crosscutting Length .....	60"
Maximum Rip Capacity (standard mounting) .....	48"
Maximum Rip Capacity (flush mounting) .....	37"
Weight Capacity Fully Extended.....	110 lbs
Net Weight .....	70 lbs

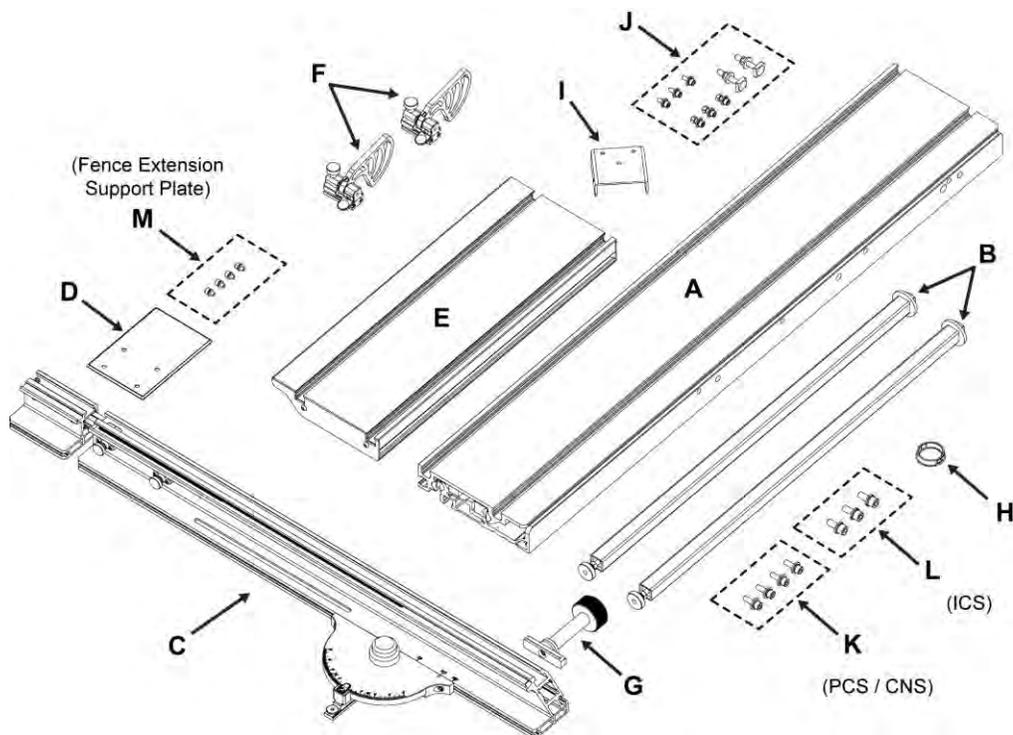


# Inventory of Parts

Use the listing below to inventory the contents of the shipping box.

**Note: If you cannot find an item on this list, check the mounting locations or examine the packaging materials very carefully. Certain components may have been pre-installed for shipping purposes.**

A. Sliding Table Assembly .....	1	K. PCS/CNS Mounting Screw Assemblies:	
B. Support Leg Assembly .....	2	Cap Screw M8x1.25x25 .....	4
C. Fence Assembly .....	1	Lock Washer M8 .....	4
D. Fence Extension Support Plate .....	1	Flat Washer M8 .....	4
E. Extension Table Assembly .....	1	L. ICS Mounting Screw Assemblies:	
F. Flip Stop Assembly .....	2	Cap Screw M10x1.5x25 .....	3
G. Knurled Pivot Handle Assembly .....	1	Lock Washer M10 .....	3
H. 2" Grommet for CNS Saws .....	1	Flat Washer M10 .....	3
I. Switch Box Mounting Bracket .....	1	M. Fence Extension Support Plate Mounting Screw	
J. Hardware Pack:		Assemblies:	
Cap Screw M6x1.0x16 .....	6	Cap Screw M6x1x10 .....	4
Lock Washer M6 .....	6	Lock Washer M6 .....	4
Flat Washer M6 .....	9	Nut M6 .....	4
Nut M6 .....	3		
T-Bolt M8x1.25x35 .....	2		
Flat Washer M8 .....	2		
Lock Nut M8 .....	2		



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## **Modifying Your Table Saw**

Before mounting the Sliding Crosscut Table, you must first modify your table saw. For steps 3-4, refer to your fence manual. For steps 5-6, refer to your saw manual. (You can download copies of your manuals at [www.sawstop.com](http://www.sawstop.com).)

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

1. Find the seam between the main table and the left wing.
2. Mark the front rail, rear rail, and main tube 0.25" to the right of the seam.
3. Use a 13mm wrench to remove the bolts from the underside of the main tube. Set it aside.
4. Use a 13mm wrench and 5mm Allen wrench to remove the front and rear rails.
5. For PCS/CNS saws only: Use a 6mm Allen 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 either a 17mm wrench (for ICS saws) or a 13mm wrench (for PCS/CNS saws) to remove the left wing from the table saw.
7. Use a metal cutting band saw to cut off the front rail, rear rail, and main tube at the marks made in Step 2.

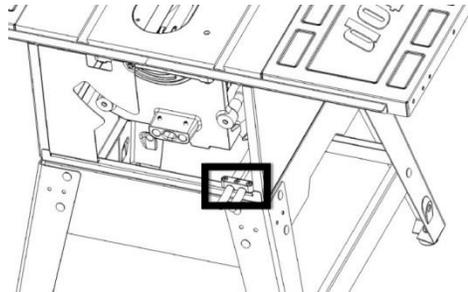
**Note: Using other types of saws (such as a circular saw) can generate enough heat to blister the powder coating. It is strongly suggested that you use a metal cutting band saw only.**

8. Remove any burrs or sharp edges with a file.
9. Re-install the front and rear rails and the main tube (refer to your fence manual). For ICS and PCS saws, no further modifications are needed. For CNS saws, continue to step 10.

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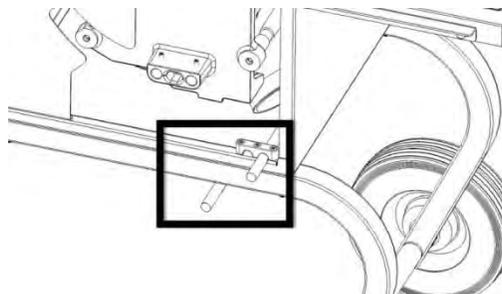
**Note: Steps 10—12 apply only to CNS saws.**

10. On CNS saws it is necessary to increase the slack in the motor power cord in order to move the switchbox to the new mounting position. The first step is to remove the motor power cord from the strain relief on the rear of the saw (see **Fig. 1**). Remove the three screws that mount the strain relief to the rear of the saw frame. Remove the cord connected to the motor and replace the strain relief. Make sure the AC power cord is captured by the strain relief.



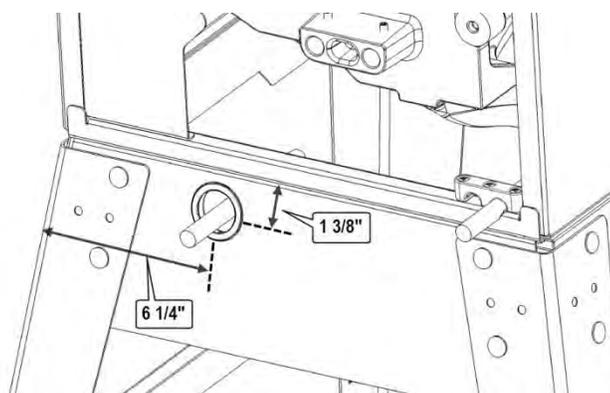
**Fig. 1**

11. If your CNS saw is mounted on a Mobile Cart as shown in **Fig. 2**, simply route the motor power cord underneath the upper frame of the Mobile Cart.



**Fig. 2**

12. If your CNS saw is mounted on the CNS stand, it is necessary to create a 2" diameter hole in the rear panel of the stand. The center point of the hole should be located as shown in **Fig. 3**. SawStop recommends using a 2" hole saw to form the hole in the rear panel. Finally, snap the supplied 2" grommet (257) into the hole and feed the cord from the motor through the grommet then reconnect it with the motor power cord.



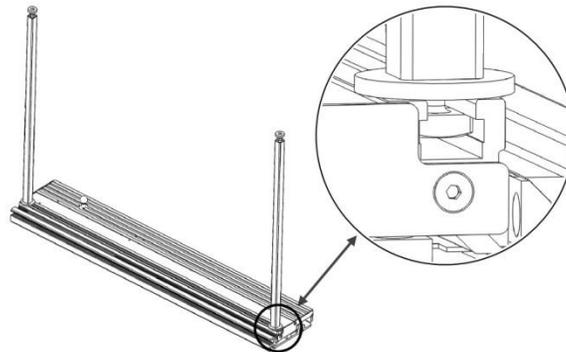
**Fig. 3**

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## **Mounting the Sliding Table Attachment to Your Saw**

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.

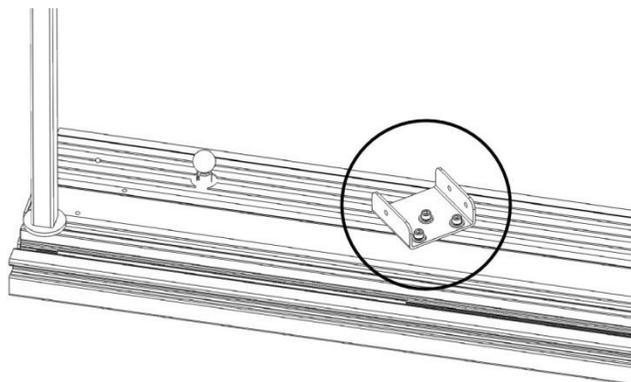
1. Turn the sliding table assembly upside down, slide the support leg T-bolts (109) into the sliding table T-slot (see **Fig. 4**), then hand-tighten the legs clockwise to secure them in place.



**Fig. 4**

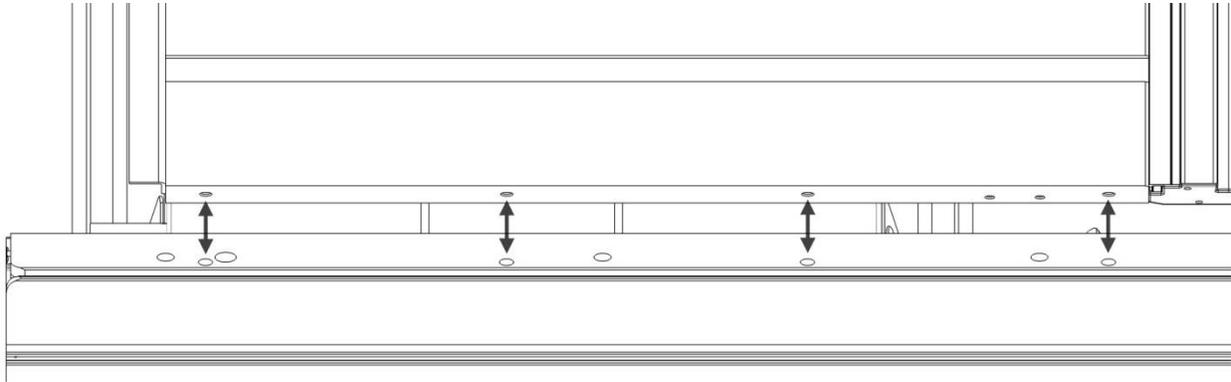
**Note:** For the best support, position the legs near the edges of the sliding table, as shown in Fig. 4.

2. For PCS and CNS saws ONLY: Attach the switch box mounting bracket (113) to the underside of the sliding table assembly using three M6x1.0x16 cap screws, three M6 washers and three M6 lock washers as shown in **Fig. 5**.



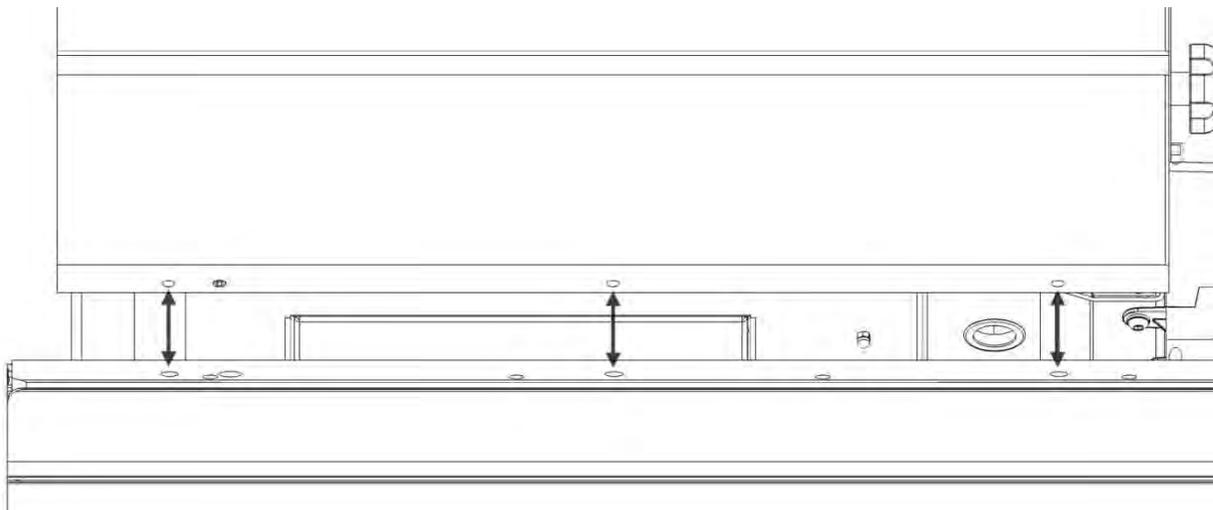
**Fig. 5**

3. 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.
4. Adjust the height of the sliding table to approximately match the saw table by turning the foot pads on the bottom of the leg assemblies.
5. Visually align the mounting holes in the side of the sliding table assembly with the holes in the side of the saw table and then mark the set of holes to be used. See **Fig. 6** for PCS and CNS saws, or **Fig. 7** for ICS saws.



**Fig. 6**

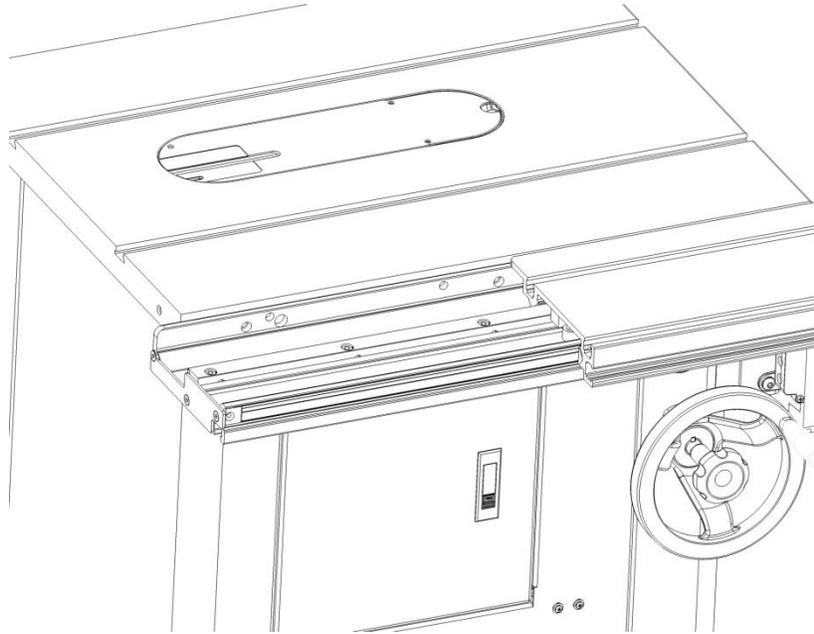
(PCS and CNS saws have 4 mounting holes)



**Fig. 7**

(ICS saws have 3 mounting holes)

- 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, as shown in **Fig. 8**.

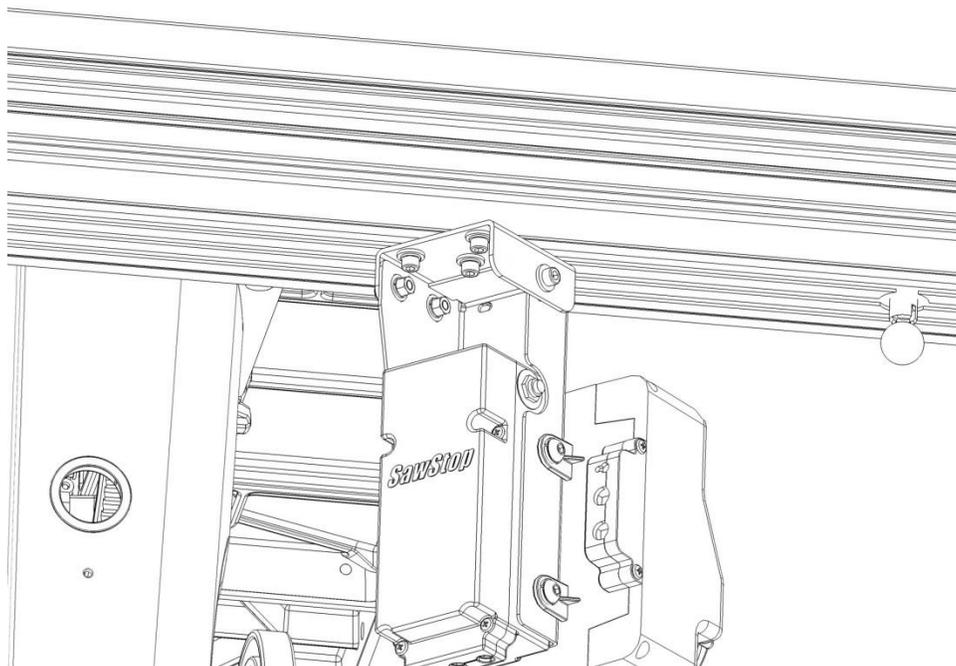


**Fig. 8**

(ICS Model Shown)

- For ICS saws ONLY: With the mounting holes aligned, thread two M10x1.5x25 cap screws (121) with two 10mm lock washers (122) and two 10mm flat washers (123) through the sliding table into the saw table. Only finger tighten the cap screws at this time. *Position the flat edge on the flat washers facing downward.*
- For PCS and CNS saws ONLY: With the mounting holes aligned, thread two M8x1.25x25 cap screws (106) with two 8mm lock washers (107) and two 8mm flat washers (108) through the sliding table into the mounting holes of the saw table. Only finger tighten the cap screws at this time.
- 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). Only finger tighten the cap screws at this time.
- Slide the table top as necessary until only one cap screw 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 table and then adjust the foot pad on the bottom of the front leg until the sliding table top is between 0.010" and 0.020" higher than the table saw top. Tighten the exposed cap screw. 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.
- 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.

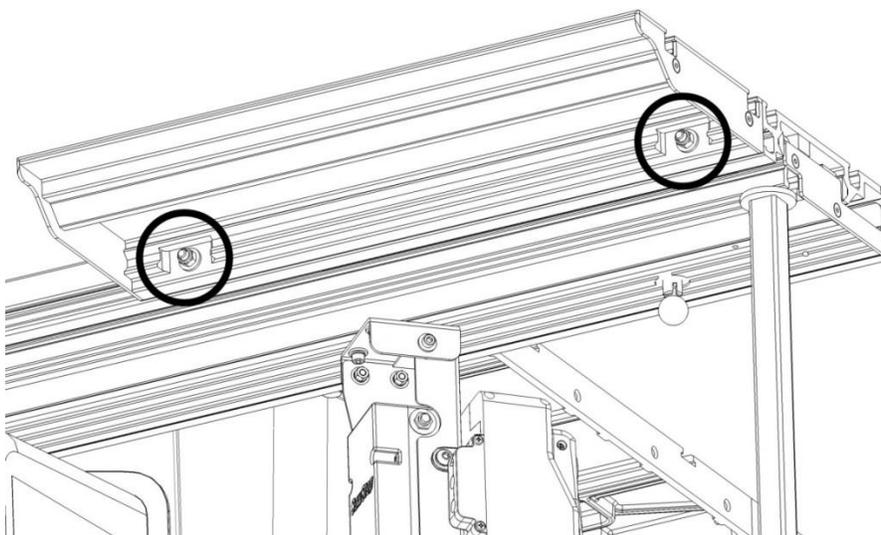
12. For PCS and CNS saws ONLY: Attach the switch box assembly to the mounting bracket on the underside of the sliding table using three M6x1.0x16 cap screws, six M6 washers, three M6 lock washers and three M6 nuts, as shown in **Fig. 9**.



**Fig. 9**

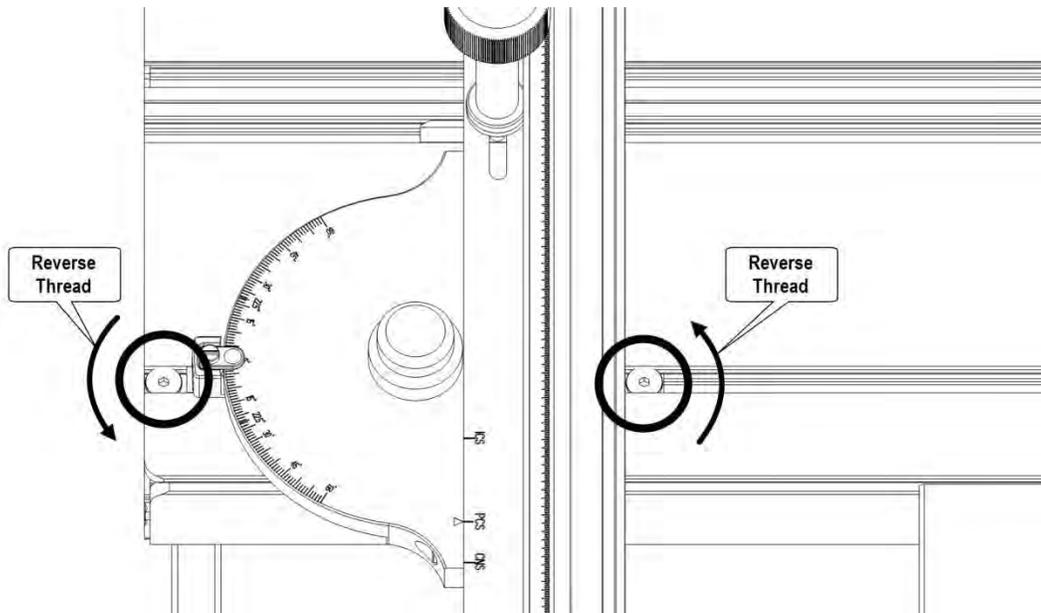
(PCS Model Shown)

13. Place the two M8 T-bolts (109) through the holes in the side of the extension table. Loosely install the flat washers (108) and lock nuts (110) on the T-bolts. Slide the heads of the T-bolts (109) into the T-slot on the outside edge of the sliding table, and then tighten the nuts (110) to secure the extension table 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 in **Fig.10**.



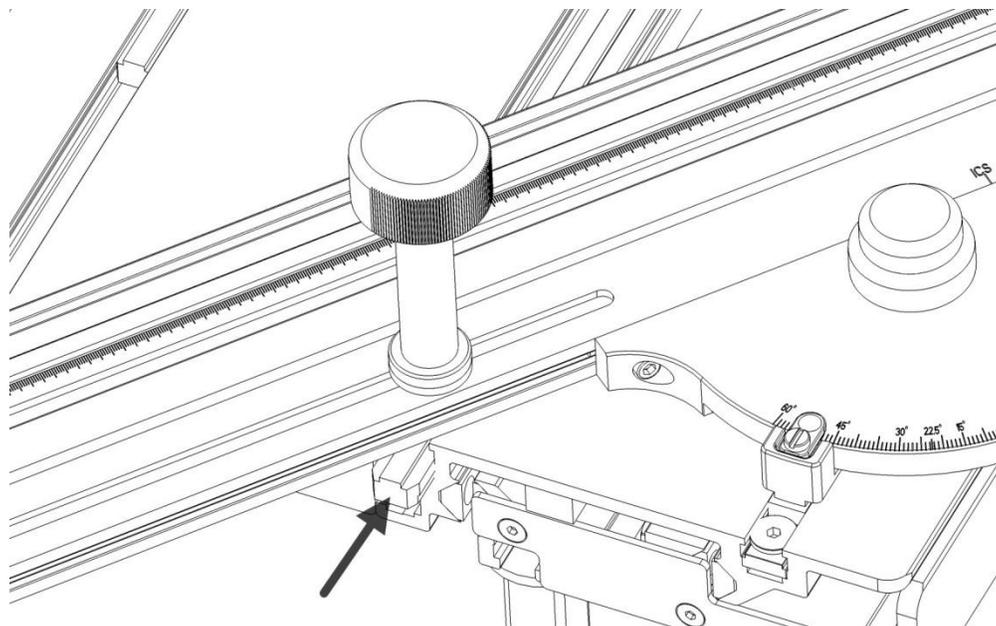
**Fig. 10**

14. Slide the miter gauge bar (249) into the T-slot on the sliding table top nearest the blade, as shown in **Fig. 11**. For full cutting capacity, the miter gauge bar should be positioned flush with the front edge of the sliding table. Use a 5mm wrench to turn the **reverse-thread** fasteners (248) at the front and rear of the miter gauge bar COUNTERCLOCKWISE to lock the miter gauge bar in place.



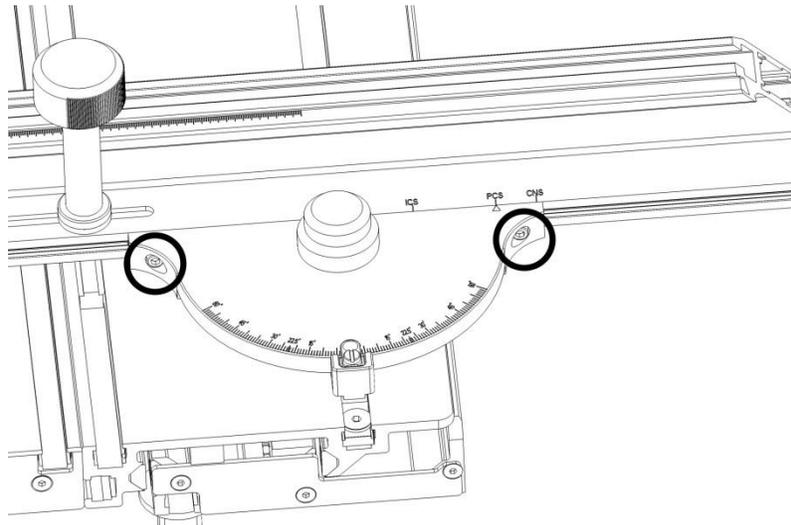
**Fig. 11**

15. Remove the T-bolt (229) from the Crosscut Fence Lock Knob and insert the threaded shaft of the T-bolt up through the slot on the fence as shown in **Fig. 12**. Pivot the fence clockwise and slide the T-bolt into the T-slot in the left side of the sliding table top. Place the plastic washer (228) on the T-bolt threaded shaft and then screw on the crosscut fence lock knob. Do not tighten the lock knob at this time.



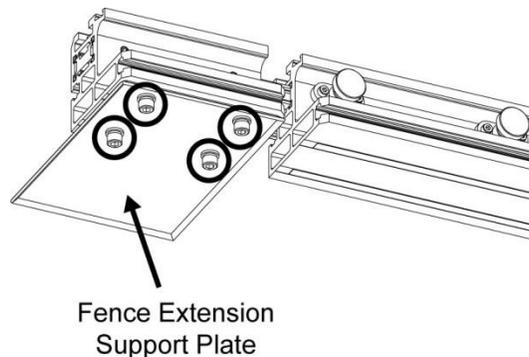
**Fig. 12**

16. Use a 5mm wrench to slightly loosen the miter gauge from the crosscut fence as shown in **Fig. 13**. **Do not loosen the miter gauge screws more than 1 ½ full turn.** If necessary, slide the fence left or right to align the arrow on the miter gauge with the indicator on the fence for your saw type (ICS/PCS/CNS). Retighten the screws, but not the lock knob.



**Fig. 13**

17. Use a square to position the fence exactly 90 degrees relative to the saw blade then tighten the crosscut fence lock knob.
18. Check the miter gauge angle indicator. If the reading is not 0 degrees, loosen the indicator lens mounting screw (245) and adjust the position of the indicator to read 0 degrees. Retighten the mounting screw.
19. Mount the Fence Extension Support Plate (202) to the bottom of the Fence Extension using four M6 Cap Screws (203), M6 Lock Washers (115) and M6 Flat Washers (116) as shown in **Fig. 14**.



**Fig. 14**

20. Slide the two flip stops (219) into the T-slot on top of the crosscut fence and then tighten their lock knobs to hold them in place.

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21. Using a tape measure, adjust the right flip stop to 12" from the blade. Adjust the fence ruler (225) so that it indicates 12" in the flip stop indicator lens. This adjustment ensures exact measurements when cutting using the flip stop with the miter gauge set to the 0 degree mark. When the miter gauge is adjusted to an angle other than 0 degrees, the fence ruler will need to be readjusted before using the flip stop indicator lens.
22. 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". Check the indicator reading on the extension fence. If the indicator does not read 50", adjust the position of the flip stop until the indicator reads 50", then lock the flip stop in place by tightening the lock knob. This adjustment ensures 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.

**Note: The rulers on the fence and the fence extension are double-sided. Flip them over for metric measurements.**

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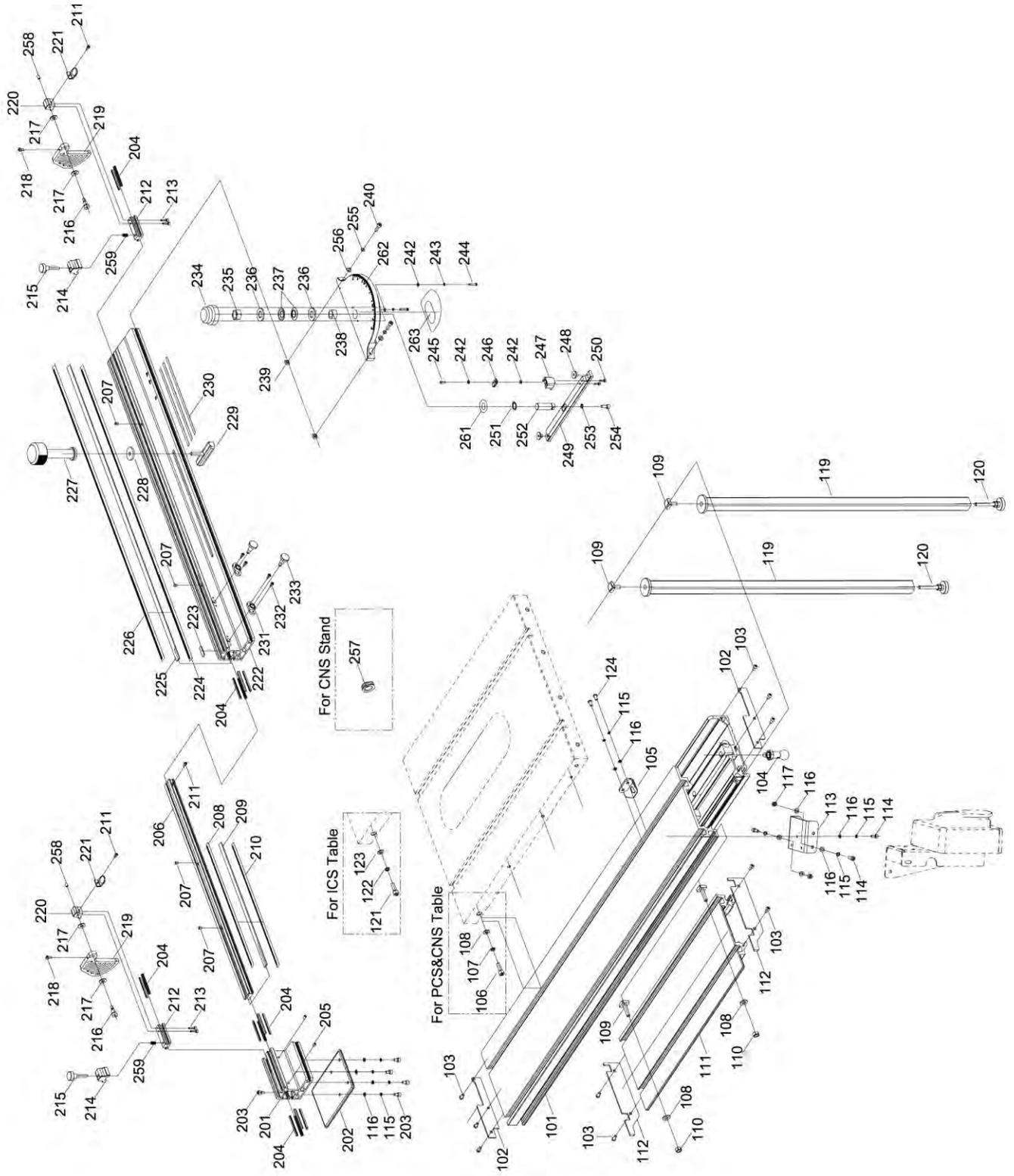
## **Operations**

1. To adjust the crosscut miter angle, loosen the crosscut fence lock knob to allow the crosscut fence to pivot. Using the miter gauge angle indicator, set the fence to the desired miter angle and retighten the lock knob to secure the fence in place.

**Note: 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. 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.
3. Unlock the sliding table by pulling out the sliding table lock knob on the underside of the sliding table and rotating it 90 degrees. This will enable the sliding table to move along its path without interference from the pin.
4. 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 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.
5. For longer work pieces (up to 60"), make sure the fence is positioned over the extension table. Next, loosen the crosscut fence extension lock knobs (233) and slide the fence to the left as needed to accommodate the longer work piece. Retighten the fence extension lock knobs.

# ST1400 Sliding Table Attachment Exploded View



## **ST1400 Sliding Table Attachment Parts List**

<b>No.</b>	<b>Description</b>	<b>Qty.</b>	<b>Part No.</b>
	Assembly	1	TSA-SA48
101	Sliding Table	1	TSA-SA48-101
102	Sliding Table End Cover	2	TSA-SA48-102
103	M6x1.0x12 Pan Head Socket Screw	10	TSA-SA48-103
104	Sliding Table Lock Knob	1	TSA-SA48-104
105	Sliding Table Limit Block	1	TSA-SA48-105
106	M8x1.25x25 Socket Head Cap Screw	4	TSA-SA48-106
107	M8 Lock Washer	4	TSA-SA48-107
108	M8x20x2.5 Washer	6	TSA-SA48-108
109	M8x1.25x35 T-Bolt	4	TSA-SA48-109
110	M8x1.25 Lock Nut	2	TSA-SA48-110
111	Sliding Table Extension Table	1	TSA-SA48-111
112	Extension Table End Cover	2	TSA-SA48-112
113	Switch Box Mounting Bracket	1	TSA-SA48-113
114	M6x1.0x16 Socket Head Cap Screw	6	TSA-SA48-114
115	M6 Lock Washer	12	TSA-SA48-115
116	M6x12x1.5 Washer	15	TSA-SA48-116
117	M6x1.0 Nut	3	TSA-SA48-117
119	Support Leg	2	TSA-SA48-119
120	M8 Foot	2	TSA-SA48-120
121	M10x1.5x25 Socket Head Cap Screw	3	TSA-SA48-121
122	M10 Lock Washer	3	TSA-SA48-122
123	M10x14.5x2 Washer	3	TSA-SA48-123
124	M6x1.0x12 Pan Head Phillips Screw	2	TSA-SA48-124
201	Crosscut Fence Extension	1	TSA-SA48-201
202	Crosscut Fence Extension Support Plate	1	TSA-SA48-202
203	M6x1.0x10 Socket Head Cap Screw	5	TSA-SA48-203
204	Crosscut Fence Extension Glides	16	TSA-SA48-204
205	M6x1.0x10 Set Screw	2	TSA-SA48-205
206	Crosscut Fence Extension Bar	1	TSA-SA48-206
207	M6 Spring Bearings	4	TSA-SA48-207
208	Crosscut Fence Extension Ruler (inch)	1	TSA-SA48-208
209	Crosscut Fence Extension Ruler Body	1	TSA-SA48-209
210	Crosscut Fence Extension Ruler (mm)	1	TSA-SA48-210
211	M4x0.7x8 Socket Head Cap Screw	3	TSA-SA48-211
212	Flip Stop Bar	2	TSA-SA48-212

213	M4x0.7x16 Socket Head Cap Screw	4	TSA-SA48-213
214	Flip Stop Lock Block	2	TSA-SA48-214
215	M6 Flip Stop Lock Knob	2	TSA-SA48-215
216	M8x1.25x12 Socket Head Shoulder Screw	2	TSA-SA48-216
217	M8x16x1.5 Nylon Washer	4	TSA-SA48-217
218	M4x0.7x10 Nylon Screw	2	TSA-SA48-218
219	Crosscut Fence Flip Stop	2	TSA-SA48-219
220	Stop Plate Mounting Block	2	TSA-SA48-220
221	Flip Stop Position Indicator Lens	2	TSA-SA48-221
222	Crosscut Fence	1	TSA-SA48-222
223	Crosscut Fence Extension Indicator Lens	1	TSA-SA48-223
224	Crosscut Fence Ruler (mm)	1	TSA-SA48-224
225	Crosscut Fence Ruler Body	1	TSA-SA48-225
226	Crosscut Fence Ruler (inch)	1	TSA-SA48-226
227	Crosscut Fence Lock Knob	1	TSA-SA48-227
228	M8x28x3 Nylon Washer	1	TSA-SA48-228
229	Crosscut Fence Lock Bar	1	TSA-SA48-229
230	Crosscut Fence Glide Pad	3	TSA-SA48-230
231	Crosscut Fence Extension Lock Knob Mounting Block	2	TSA-SA48-231
232	M4x0.7x10 Socket Head Cap Screw	4	TSA-SA48-232
233	Crosscut Fence Extension Lock Knob	2	TSA-SA48-233
234	Crosscut Fence Miter Gauge Cover	1	TSA-SA48-234
235	M16x2.0 Lock Nut	1	TSA-SA48-235
236	M16x32x3 Washer	2	TSA-SA48-236
237	M16x31x0.7 Spring Washer	2	TSA-SA48-237
238	Crosscut Fence Pivot Bushing	1	TSA-SA48-238
239	M6x1.0 Square Nut	2	TSA-SA48-239
240	M6x1.0x20 Socket Head Cap Screw	2	TSA-SA48-240
242	M4x9x0.8 Washer	4	TSA-SA48-242
243	M4 Lock Washer	2	TSA-SA48-243
244	M4x0.7x20 Socket Head Cap Screw	2	TSA-SA48-244
245	M4x0.7x12 Button Head Socket Screw	1	TSA-SA48-245
246	Miter Gauge Angle Indicator Lens	1	TSA-SA48-246
247	Miter Gauge Angle Indicator Lens Mounting Block	1	TSA-SA48-247
248	M8x1.25x8 Flat Head Screw	2	TSA-SA48-248
249	Miter Gauge Bar	1	TSA-SA48-249
250	M4x0.7x14 Socket Head Cap Screw	2	TSA-SA48-250
251	16mm External Retaining Ring	1	TSA-SA48-251
252	Miter Gauge Pivot Shaft	1	TSA-SA48-252

253	M6 External Tooth Lock Washer	1	TSA-SA48-253
254	M6x1.0x16 Socket Head Cap Screw	1	TSA-SA48-254
255	M6 Lock Washer	2	TSA-SA48-255
256	M6x12x1.5 Washer	2	TSA-SA48-256
257	2" Grommet for CNS Saws	1	TSA-SA48-257
258	M6x1.0x6 Set Screw	2	TSA-SA48-258
259	Flip Stop Lock Block Spring	2	TSA-SA48-259
261	M16 Miter Gauge Oval Washer	1	TSA-SA48-261
262	Crosscut Fence Miter Gauge Round Pad	1	TSA-SA48-262
263	Miter Gauge Glide Round Pad	1	TSA-SA48-263