Model TSG-FDC-I

FLOATING DUST COLLECTION GUARD

OWNER'S MANUAL

85-008160-00
Rev A - 05152025

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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 internettadresse.
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.

Original Instructions - Floating Dust Collection Guard

Updates to this manual and additional related documentation such as exploded views and parts lists are available at SawStop.eu or SawStop.uk

SAFETY

A table saw is a dangerous tool and there are hazards inherent with using your saw. Some of these hazards are discussed below. Use common sense when operating the saw and floating dust collection guard system and use them only as instructed. You are responsible for your own safety!

1. Read and understand the instruction manual and all safety warnings before operating the saw and floating dust collection guard. Failure to follow instructions or heed warnings may result in electric shock, fire, serious personal injury or property damage. Save these instructions and refer to them whenever necessary.
2. Keep guards in place and in working order. Use the floating dust collection guard and spreader for every operation for which it can be used, including all-through sawing. Use a push stick when required.
3. Wear proper apparel when using the saw and floating dust collection guard. Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Non-slip footwear is recommended. Wear a protective hair covering to contain long hair.
4. Always wear safety glasses when using the saw. Also use a face or dust mask if the cutting operation is dusty. Everyday eyeglasses are not safety glasses.
5. Keep hands out of the line of the saw blade. Never reach around or over the saw blade. Keep proper footing and balance at all times.
6. Maintain the floating dust collection guard as specified in this manual. Use only identical replacement parts when servicing the floating dust collection guard.
7. Turn the power disconnect switch to OFF before servicing the saw and/or floating dust collection guard. Always ensure the power is OFF before changing components or accessories such as blades, brake cartridges, and the like.
8. Check to make sure the saw and floating dust collection guard are in proper working order before using them. For example, check the alignment of moving parts, look to see whether moving parts are binding or rubbing, check to see whether parts are broken, make sure accessories are properly mounted in the saw, and check any other conditions that may affect the operation of the saw or floating dust collection guard. A guard or other part that is damaged should be properly repaired or replaced.
9. Reference the owner's manual and other materials included with your saw for additional safety information.

WARNING LABELS

The following warning labels are located on the Floating Dust Collection Guard. Be sure to read all warnings in the documentation included with your saw and this manual before using the saw.

SYMBOL	DEFINITION
	Warning of general caution or danger
	Read warnings and instructions
	Use appropriate guard for groove cuts

UNPACKING AND PARTS INVENTORY

The Floating Dust Collection Guard is shipped partially assembled. Please unpack the parts carefully and confirm you have received each item on the list below.

PARTS

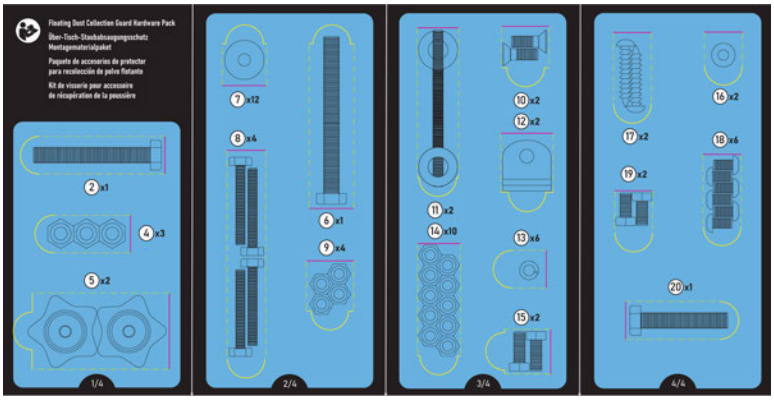
A. Upper Leg (1)
B. Dust Collection Guard Mounting Bracket (1)
C. Extension Leg (1)
D. Leg Support Bracket (2)
E. Outer Dust Tube - Curved (1)
F. Outer Dust Tube - Straight (1)
G. Inner Dust Tube (1)
H. Floating Blade Guard Bracket (1)
I. Floating Blade Guard (1)
J. Blade Guard Handle (1)
K. Dust Collection Hose w. Clamps (1)
L. Riving Knife (1)
M. Hardware Pack (1)

HARDWARE PACK

The included hardware pack contains the following:

1. Flat Washer - M8, 17mm x 2mm (4)
2. Bolt - M8 x 1.25, 60mm, Hex Head (1)
3. Lock Washer - M8 (2)
4. Nut - M8 x 1.25 (3)
5. Knob – M6, Extension Leg Lock (2)
6. Bolt - M8 x 1.25, 80mm, Hex Head (1)
7. Flat Washer - M6, 20mm x 1mm (12)
8. Bolt - M6 x 1.0, 40mm, Hex Head (4)
9. Nut - M6 x 1.0 (4)
10. Bolt - M6 x 1.0, 18mm, Flat Head, Socket (2)
11. Eye Bolt - 10.5mm, M6X1.0, 80mm (2)
12. L Bracket – Leg Support (2)
13. Lock Washer – M6 (6)
14. Lock Nut - M6 x 1.0 (10)
15. Bolt - M6 x 1.0, 16mm, Hex Head (2)
16. Flat Washer - M5, 12mm x 0.8mm (2)
17. Screw - M5 x 2.1, 32mm, Button Head, Phillips (2)
18. Bolt - M5 X 0.8, 10mm, Button Head, Socket (6)
19. Bolt - M6 x 1.0 x 12mm, Hex Head (2)
20. Bolt - M8 x 1.25, 45mm, Hex Head (1)

The bolded numeric designations listed above are also shown on the hardware pack. These same numbers are called out in the assembly instructions found in this manual to make it easy to find the correct fastener associated with each step of the installation.



Hardware Pack

TOOLS NEEDED

Tools are not included.

- Measuring tape
- Flathead and Phillips screwdrivers or driver bits
- Pen or pencil
- Drill with 6mm, 8mm, and 2.8mm drill bits
- Hex wrenches - 3mm, 4mm and 5mm
- Wrenches - 10mm, 13mm, and 17mm

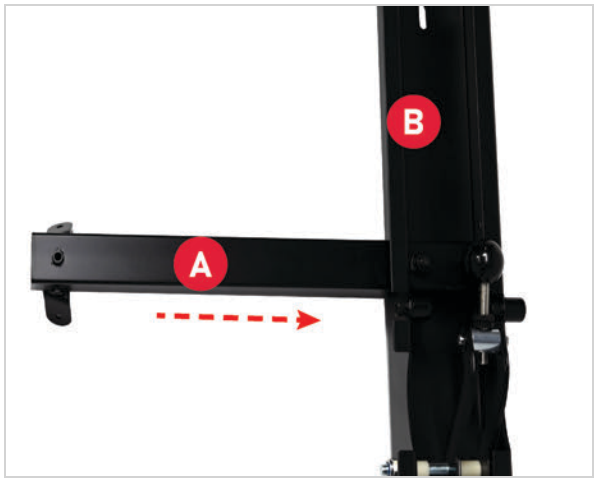
PREPARE YOUR SAW

The Floating Dust Collection Guard cannot be used in tandem with a spreader-mounted blade guard. If installed, remove the blade guard from the saw and replace it with the included 254mm riving knife. A 250mm riving knife is available for purchase as an optional accessory from the SawStop online parts store.

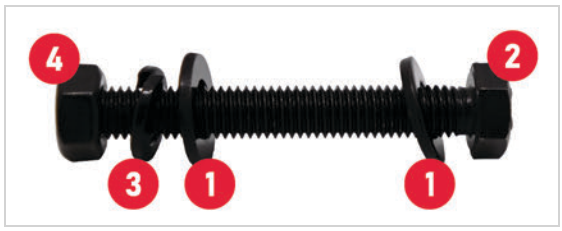
ASSEMBLY

ATTACHING THE UPPER LEG AND LEG SUPPORT

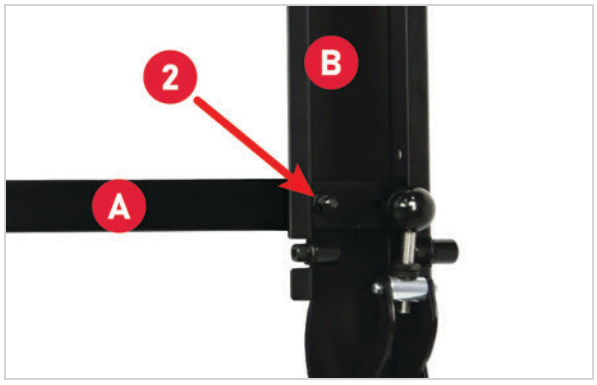
1. Insert the Upper Leg [A] into the Dust Collection Guard Mounting Bracket [B] while ensuring that the pair of holes in each piece align. Secure A and B with hardware described in Step 2.



2. Add a Flat Washer - M8, 17mm x 2mm [1] to the Bolt - M8 x 1.25, 60mm, Hex Head [2].

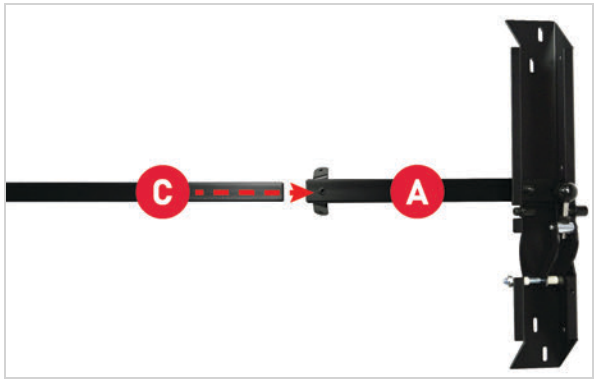


Insert the bolt into the lower hole of the Dust Collection Guard Mounting Bracket [B] then add another Flat Washer - M8, 17mm x 2mm [1] onto the end of the bolt. Next, stack on a Lock Washer - M8 [3] and finally a Nut - M8 x 1.25 [4].



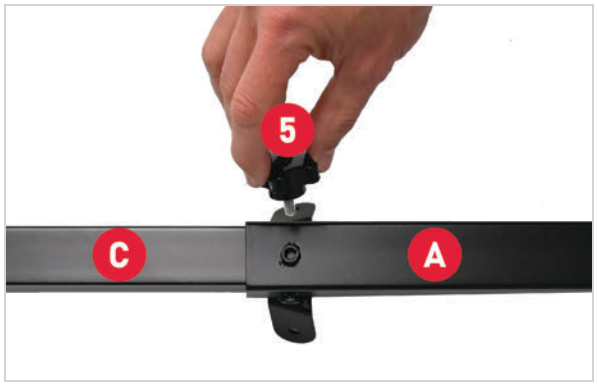
Using a 13mm wrench at both the nut and bolt, tighten the nut to secure the Upper Leg [A] into the Dust Collection Guard Mounting Bracket [B].

3. Slide the hollow end (the end without the cap) of the Extension Leg [C] into the Upper Leg [A].



4. Adjust the overlap between the Extension Leg [C] and the Upper Leg [A] until the total length of the assembly (top of the dust collection guard mounting bracket to the end of the extension leg) approximates height of the extension table of your saw from the floor.

5. Thread the two Knobs – M6, Extension Leg Lock [5] into the two nuts on the Upper Leg [A]. The knobs need only be moderately snug at this time.

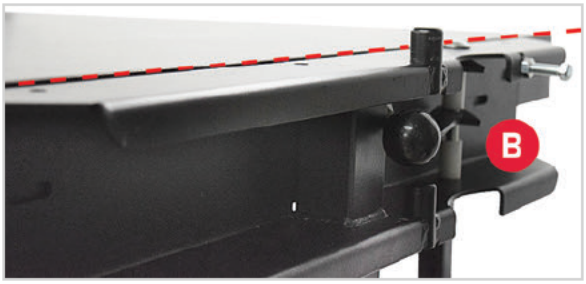


Upon completion of the installation of your TSG-FDC, tighten the extension leg lock knobs evenly to secure the extension leg.

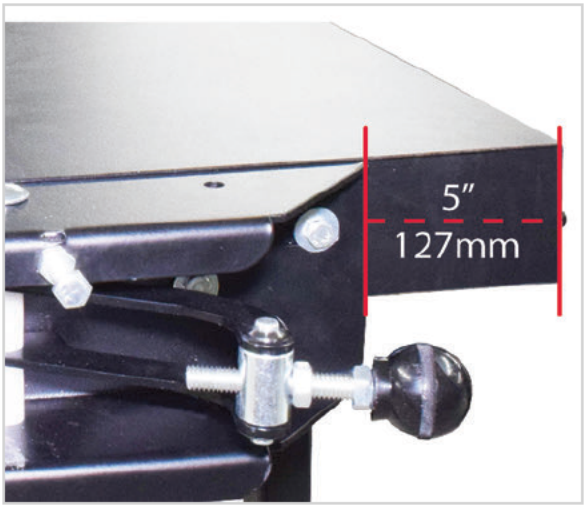
The knobs should engage the Extension Leg [C] and secure it against further movement. This will help prevent potential injury due to unexpected movement of the floating dust collection guard.

ATTACHING THE DUST COLLECTION GUARD MOUNTING BRACKET

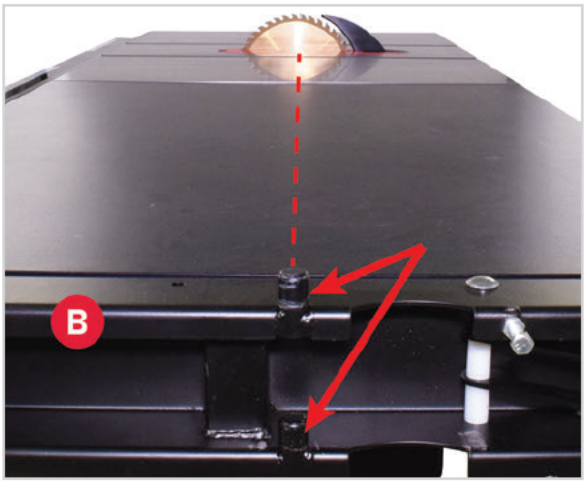
1. Place the flat edge of the Dust Collection Guard Mounting Bracket [B] against the right edge of the extension table on your saw. Ensure the top of the bracket is flush or just below flush with the top of the extension table.



2. To set the proper placement of the bracket, measure 127mm from the rear of the extension table as shown.

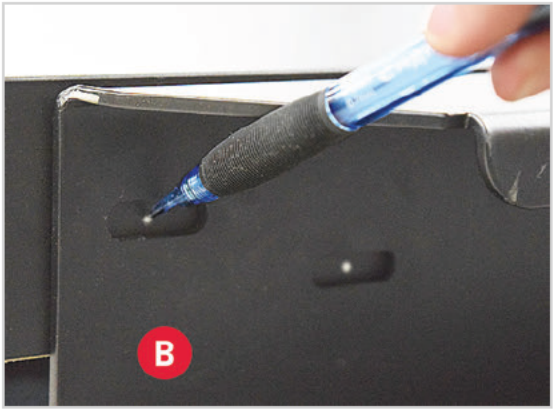


The mounting pins on the Dust Collection Guard Mounting Bracket [B] should align with the center of the blade.



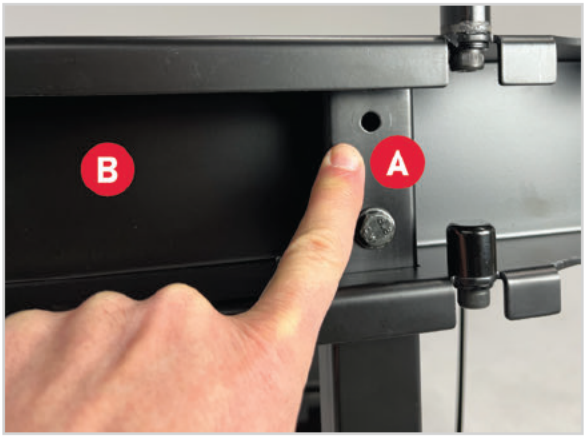
NOTE:
The elongated mounting slots in the bracket will allow for some adjustment of the positioning if needed once it has been mounted to the extension table.

3. Place a mark on the extension table in the center of each of the four elongated mounting slots in the Dust Collection Guard Mounting Bracket [B].



4. Locate an additional mark using the upper round hole where the Upper Leg [A] is joined to the Dust Collection Guard Mounting Bracket [B] to locate the mark.

   Set the dust collection guard mounting bracket and extension leg assembly aside.



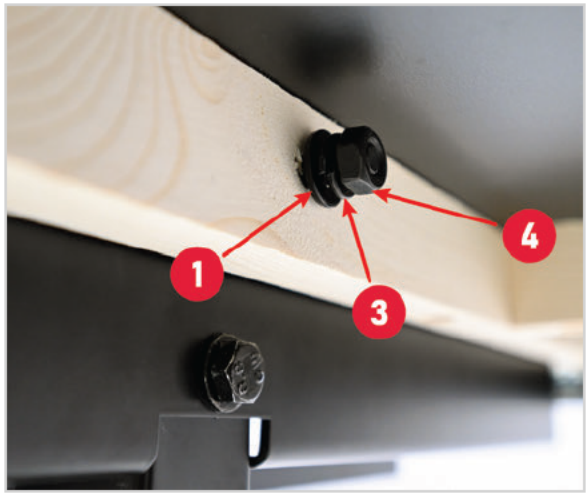
5. Using a 1/4" (6mm) drill bit, drill four through-holes in the extension table at the locations marked in step 3.

6. Use a 5/16" (8mm) drill bit to drill one additional hole at the location you marked in step 4.

7. Add a Flat Washer - M8, 17mm x 2mm [1] onto the Bolt - M8 x 1.25, 80mm, Hex Head [6].

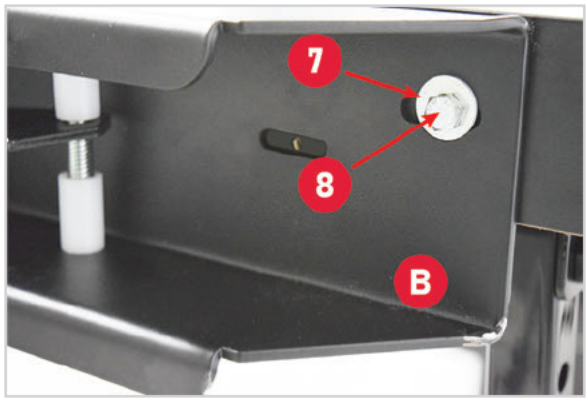
Next, with the newly drilled mounting holes of the extension table aligned with the Dust Collection Guard Mounting Bracket assembly, insert the bolt [6] through the upper hole where the Upper Leg [A] is joined to the Dust Collection Guard Mounting Bracket [B] and through the drilled hole in the extension table.

Next add Flat Washer - M8, 17mm x 2mm [1] followed by Lock Washer - M8 [3] followed by Nut - M8 x 1.25, [4] to the bolt at the extension table facing side.

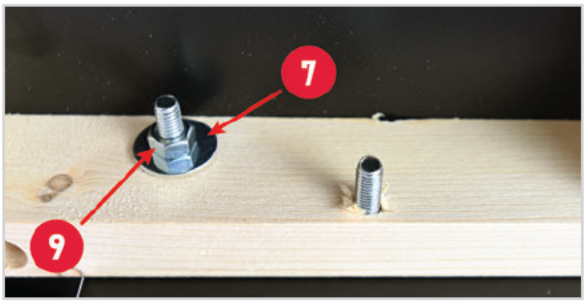


The nut should be only finger tight at this time.

8. Insert a single Bolt - M6 x 1.0, 40mm, Hex Head [8] through a Flat Washer - M6, 20mm x 1mm [7] then through one of the four exposed elongated holes in the Dust Collection Guard Mounting Bracket [B] and extension table.



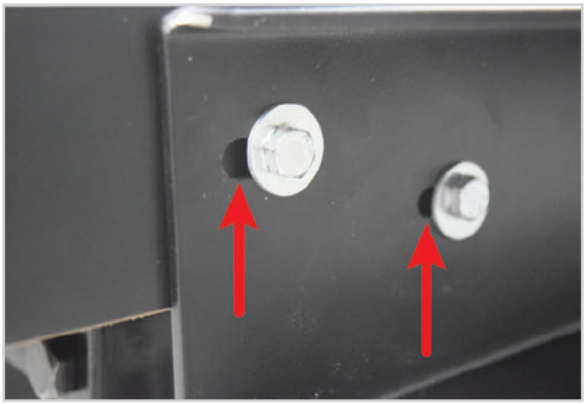
Next add a second Flat Washer - M6, 20mm x 1mm [7] followed a Nut - M6 x 1.0 [9] to the bolt at the extension table facing side.



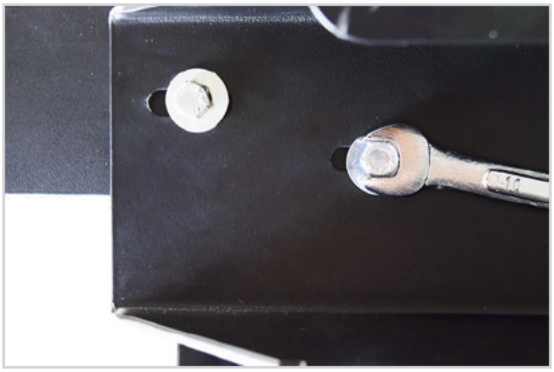
The nut should be only finger tight at this time.

9. Repeat step 8 for the remaining three elongated holes in the mounting bracket assembly and extension table.

10. Confirm that the dust collection guard mounting bracket is still positioned correctly against the extension. If the position needs to be adjusted, make use of the clearance afforded by the elongated slots.



11. Using a 10mm wrench on the head of each of the four M6 bolts and a 10mm wrench on each nut, tighten the nuts to secure the dust collection guard mounting bracket to the extension table.



Using a 13mm wrench on the head of the M8 bolt and a 13mm wrench on its nut that you placed in step 8, tighten the nut to further secure the dust collection guard mounting bracket to the extension table.

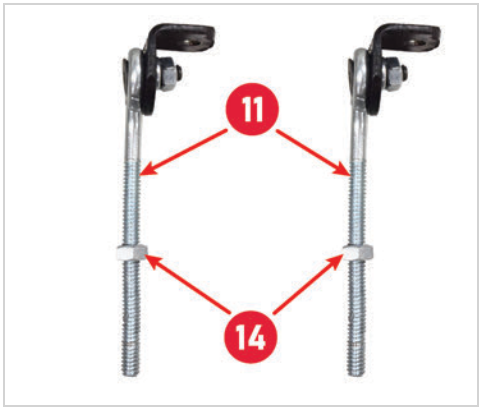
12. Confirm that the Extension Leg [C] is vertical. If necessary, adjust the extension leg lock knobs and/or the bolts attaching the dust collection guard mounting bracket to the extension table.

ASSEMBLING THE LEG SUPPORT BRACKETS

1. Insert a Bolt - M6 x 1.0, 18mm, Flat Head, Socket [10] through the eye of an Eye Bolt - 10.5mm, M6X1.0, 80mm [11], and then through one of the holes in L Bracket – Leg Support [12]. Next, place a Lock Washer – M6 [13] onto the bolt, followed by a Lock Nut - M6 x 1.0 [14]. The nut should be only finger tight at this time.

2. Repeat Step 1 process for the second eye bolt and L bracket.

3. Thread a Lock Nut - M6 x 1.0 [14] about half way up the shaft of each eye bolt [11].



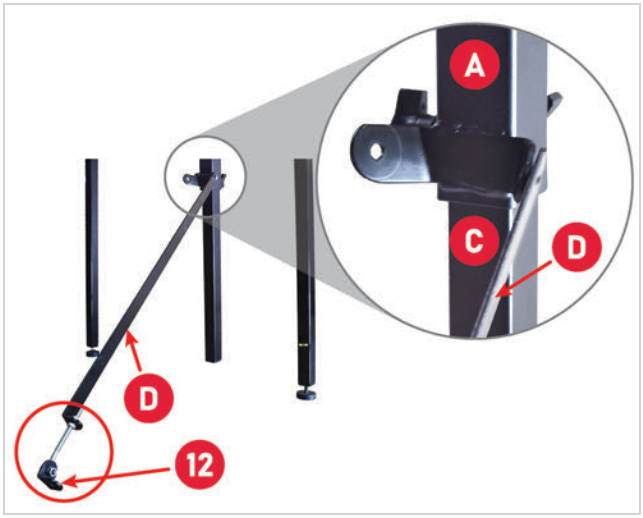
4. Insert the shaft of an Eye Bolt [11] as shown through the hole in the bent end of a Leg Support Bracket [D], followed by a Lock Washer – M6 [13] and a Lock Nut - M6 x 1.0 [14].

The nut should be only finger tight at this time.

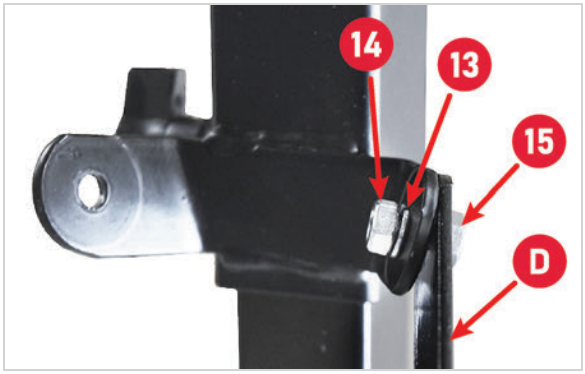
5. Repeat step 4 for the second Leg Support Bracket [D].

ATTACHING LEG SUPPORT BRACKETS TO THE DUST COLLECTION GUARD MOUNGING BRACKET

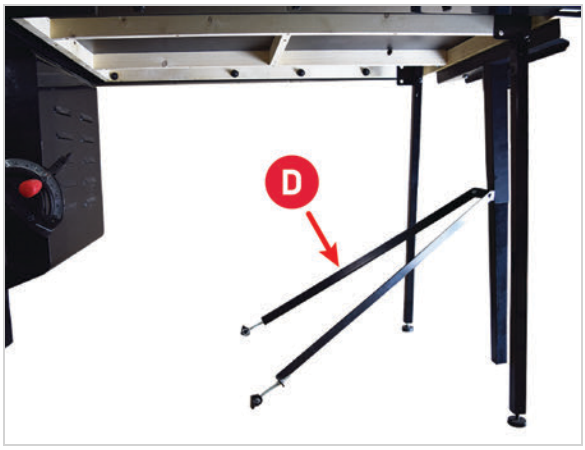
1. Place the flat, non-bent end of a Leg Support Bracket [D] against the exterior side of the front tab welded to the Upper Leg [A]. Make sure the bent sections of the Leg Support Bracket [D] and the L Bracket – Leg Support [12] face out toward the front of the saw.



2. Insert a Bolt - M6 x 1.0, 16mm, Hex Head [15] through the hole in the Leg Support Bracket [D] and then through the tab of the Upper Leg [A], followed by a Lock Washer – M6 [13] and a Lock Nut - M6 x 1.0 [14]. The nut should be only finger tight at this time.



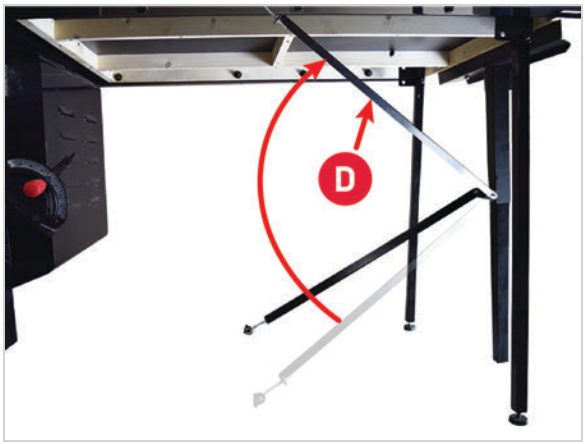
3. Repeat steps 1-2 to attach the second Leg Support Bracket [D] to the exterior side of the rear tab, making sure the bent sections of the leg support bracket and the leg support mounting bracket face out toward the rear of the saw.



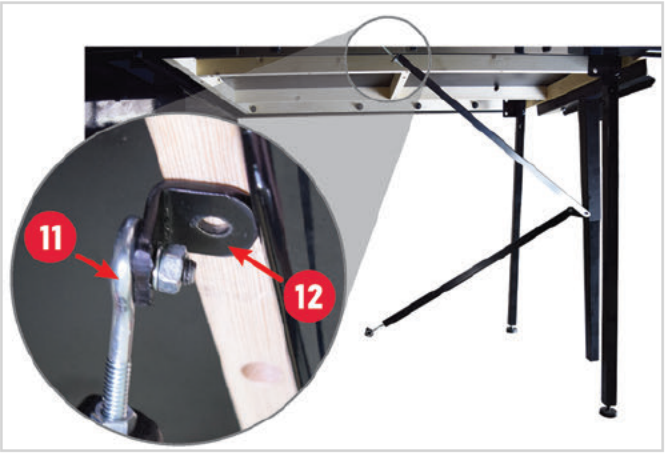
The nut should be only finger tight at this time.

ATTACHING LEG SUPPORT BRACKETS TO THE EXTENSION TABLE

1. Pivot the bent end (with the eye bolt assembly) of the front Leg Support Bracket [D] up toward the underside of the wooden extension table support frame.

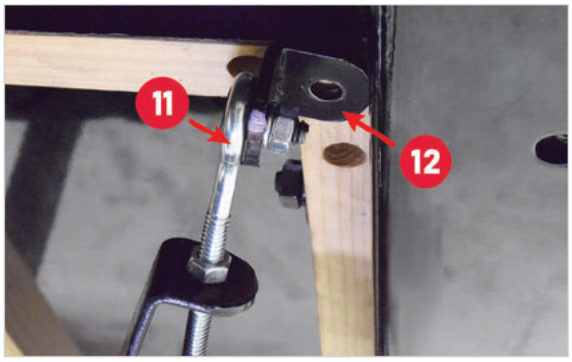


2. Rotate the L Bracket – Leg Support and/or Eye Bolt [11] until the flat side of the L Bracket – Leg Support [12] is flush with the outer portion of the extension table support frame.



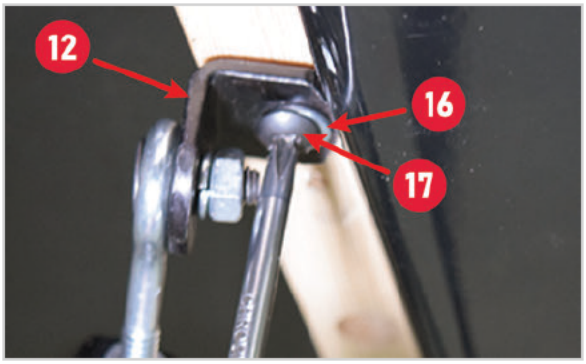
NOTE:

If you have a 36" (910mm) fence rail system, rotate the leg support mounting bracket [12] and/or eye bolt [11] until the flat side of the leg support mounting bracket is flush with the cross support frame of the extension table.

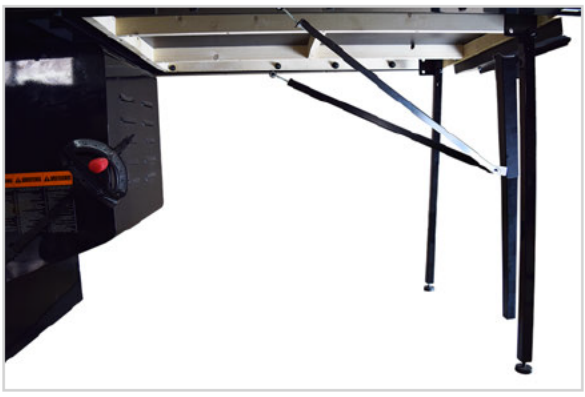


3. Make a mark on the underside of the extension table support frame in the center of the hole of the L Bracket – Leg Support [12].
4. Pivot the leg support bracket back down to rest on the floor. Drill a pilot hole in the location you marked in step 3 with a 7/64" (2.8mm) drill bit. Be sure to drill into the cross-support frame if you have a 36" (910mm) extension table.

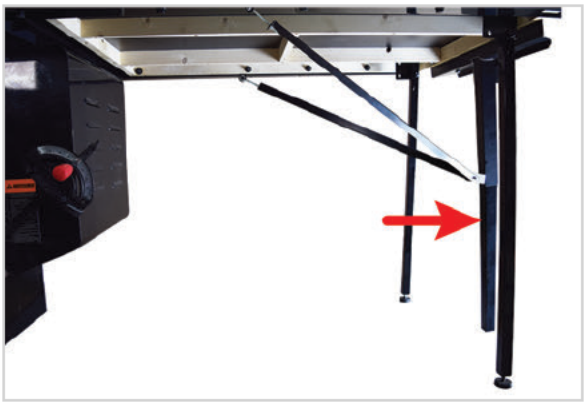
5. Pivot the leg support bracket and attached components up again and align the leg support mounting bracket hole with your drilled pilot hole.
6. Insert a Screw - M5 x 2.1, 32mm, Button Head, Phillips [17] through a Flat Washer - M5, 12mm x 0.8mm [16] and then through the exposed hole in the L Bracket – Leg Support [12]. Secure the bracket to the underside of the extension table support frame using a Phillips screwdriver or drill.



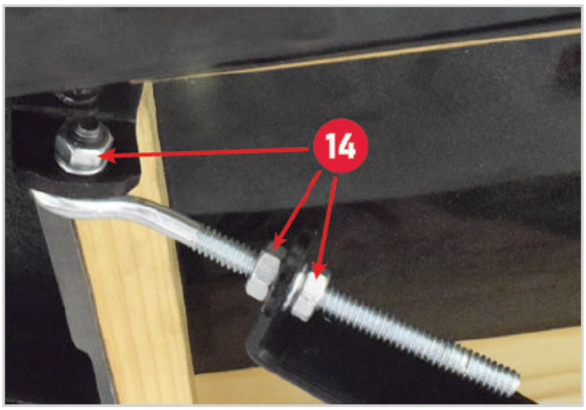
7. Repeat steps 1-6 for the rear leg support mounting bracket.



8. Check to make sure the Extension Leg [A] is still vertical and make any necessary adjustments.

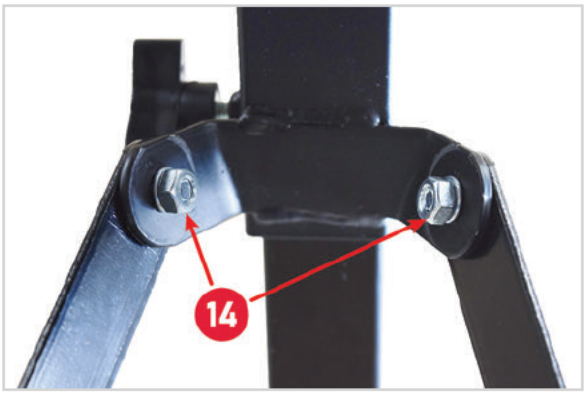


9. Use a 10mm wrench to tighten the six Lock Nut - M6 x 1.0 [14] on the eye bolts for the front and rear Leg Support Brackets [D].



Adjust the position of the first lock nut on the shaft of the eye bolt if needed to achieve ample tension to support the assembly.

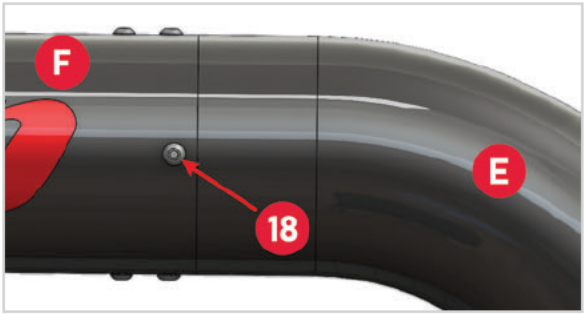
10. Use a 10mm wrench to tighten the two Lock Nut - M6 x 1.0 [14] on both leg support brackets.



ATTACHING THE DUST TUBES

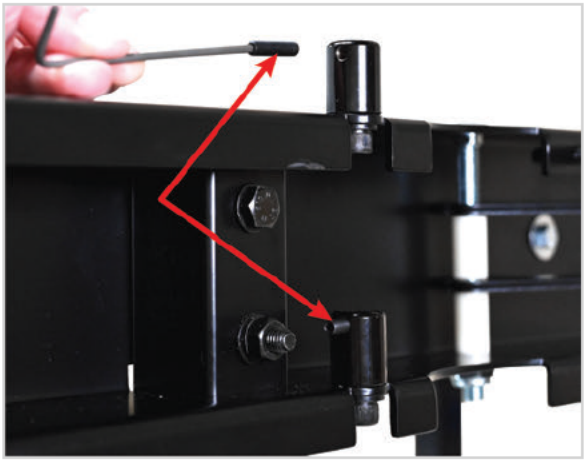
WARNING:
It is recommended that two people attach the dust tubes, as this assembly is heavy and could cause serious personal injury or damage if dropped.

1. Remove the end cap from Outer Dust Tube – Straight [F] .
2. Insert the reduced end of the Outer Dust Tube – Curved [E] into the larger diameter end of Outer Dust Tube – Straight [F]. Be mindful that the gasket included with the curved tube is remains properly seated and aligned while joining parts [E] and [F].



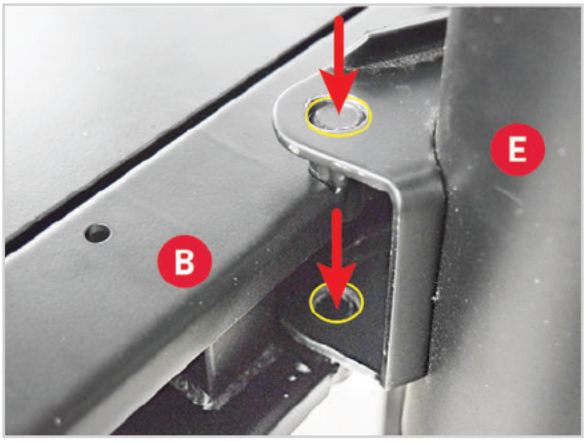
Align the pre-drilled holes in [E] and [F] then insert four Bolts - M5 X 0.8, 10mm, Button Head, Socket [18] into the holes and tighten to secure the outer tube sub-assembly together.

3. Using a 3mm hex wrench, remove the retaining screws from both mounting pins.

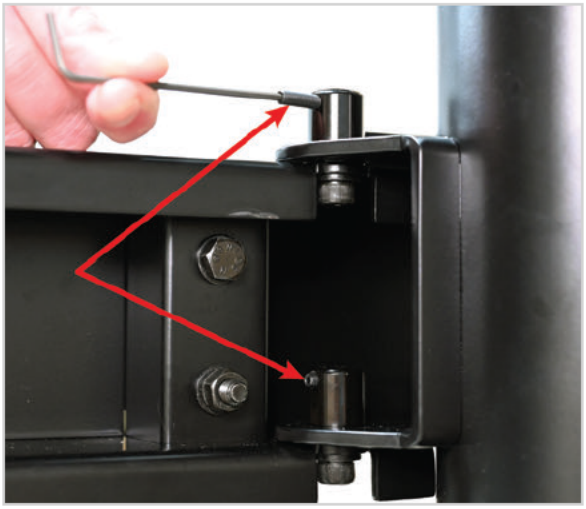


4. With the help of a second person, lift the dust tube assembly (comprised of the inner and outer dust tubes [E, F, G] and set them on the dust collection guard mounting bracket.

   Be sure that the pins (indicated by the red arrows below) on the Dust Collection Guard Mounting Bracket [B] pass through the holes in the bracket on the outer dust tube (indicated by the yellow circles).

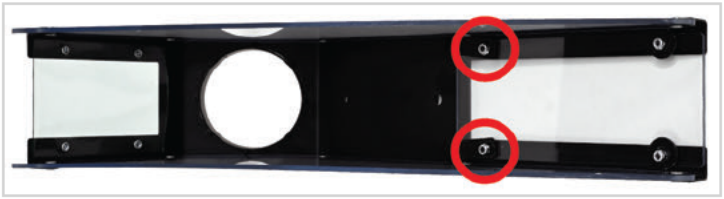


5. Using a 3mm hex wrench, re-install the retaining screws that you removed in step 3, back into the mounting pins.

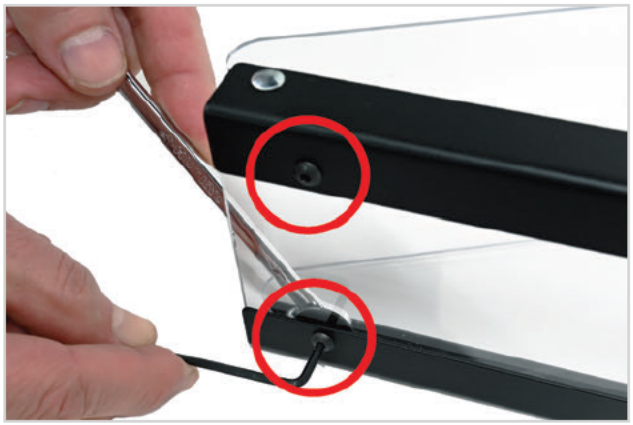


ATTACHING THE FLOATING BLADE GUARD

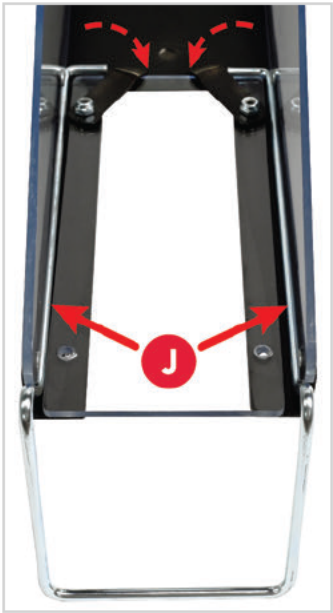
1. Using a 2.5mm hex wrench and a 7mm wrench, loosen the nuts two nuts on the inside of the guard, indicated in the image below.



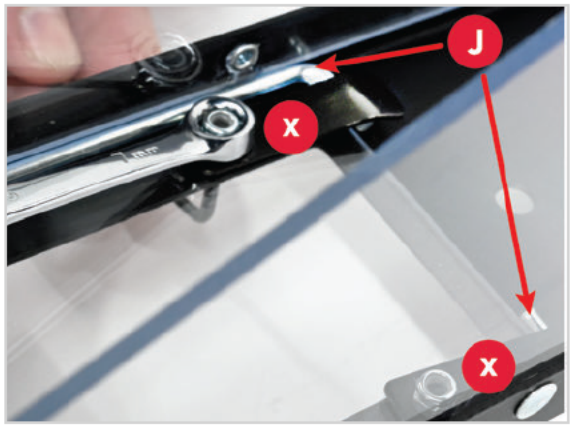
2. Next, remove the lower nuts and washers (inside, using a 7mm wrench) and screws (outside, using a 2.5mm hex wrench). Set the hardware aside for later reassembly.



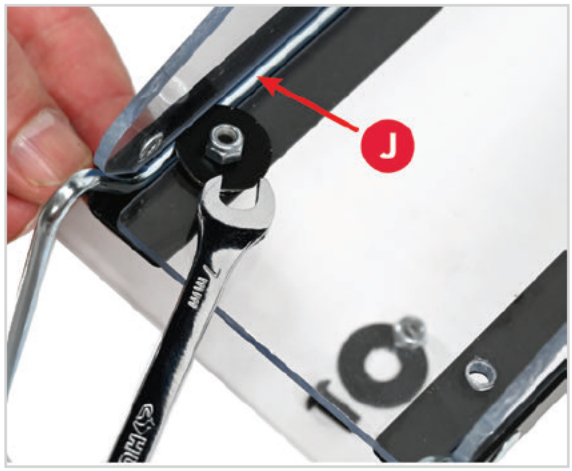
Place the Blade Guard Handle [J] into place. Pivot the black metal tabs (top) toward the center as shown. The handle should seat flat against the black metal frame of the guard.



3. Return the black metal tabs (x) to their original position vertical so that they cover the ends of the Blade Guard Handle [J]. Using a 2.5mm hex wrench and a 7mm wrench, re-tighten the upper nuts (x) you loosened in step 1.



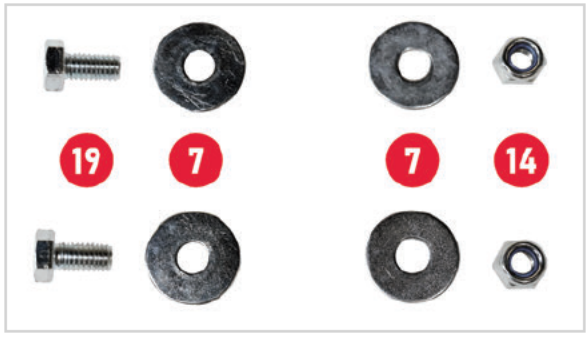
4. Replace the lower screws, nuts and washers you removed in step 2. Before tightening the nuts, be sure that the Blade Guard Handle [J] is positioned beneath the washers. A 2.5mm hex wrench and a 7mm wrench is required.



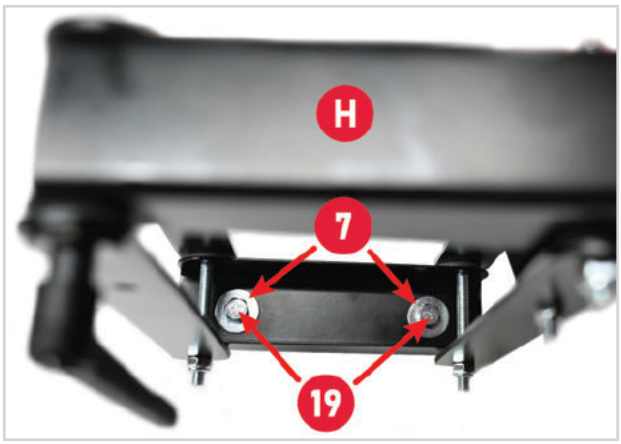
The Blade Guard Handle [J] will be firmly pinched beneath the washers and should not move.

5. Assemble the Floating Blade Guard [I]: Begin by removing the following from the Hardware Pack [L].

- Two Bolts - M6 x 1.0 x 12mm, Hex Head [19]
- Four Flat Washers - M6, 20mm x 1mm [7]
- Two Lock Nuts - M6 x 1.0 [14]



6. Add one Flat Washer [7] onto each Hex Head Bolt [19] then insert the bolts into the holes of the U-shaped channel of the blade guard mount (H) as shown.

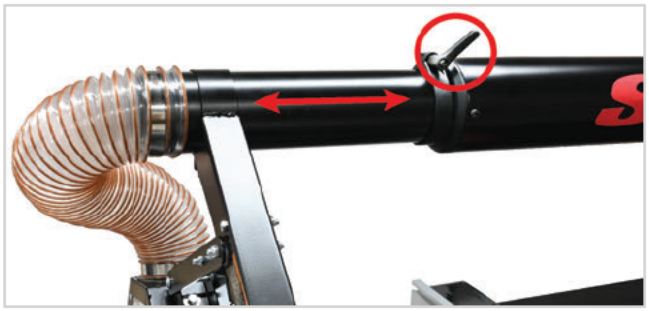


7. Align the holes at the top of the clear blade guard with the Hex Head Bolts [19] you installed in the previous step. Add a Flat Washer - M6, 20mm x 1mm [7] followed by a Lock Nut - M6 x 1.0 [14] onto each Hex Head Bolt [19].

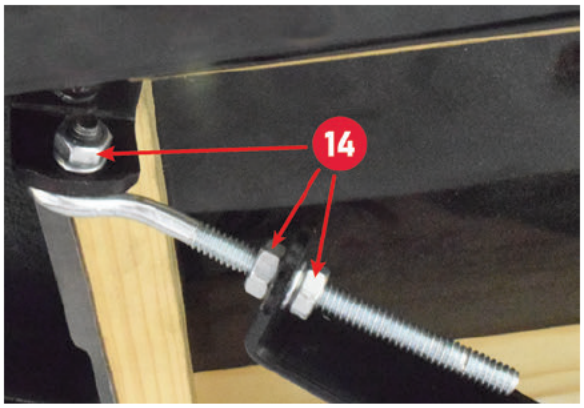
   Secure the assembly using a 10mm wrench on the head of the bolt and a 10mm wrench on the nut.

8. Slide the assembled Floating Blade Guard [H,I] onto the end of the Inner Dust Tube [G] until about 1" (25mm) of the inner dust tube extends past the floating blade guard.

9. Loosen the inner dust tube lock knob (shown below at right) and extend or retract the Inner Dust Tube [G] to center the Floating Blade Guard [I] over the blade. Re-tighten the inner dust tube lock knob to secure the inner dust tube and floating blade guard.



10. Increase the tension on the Leg Support Brackets beneath the table until the Outer Dust Tube - Straight [F] is parallel to the table. You'll need a 10mm wrench to adjust the lock nuts [14] along the shaft of the Eye Bolts [11].



11. Loosen the floating guard lock handle and lower the guard [I] until it rests flat on the table. Provide additional downward force if needed to ensure all sides of the goard are flush.

Re-tighten the floating guard lock handle.

12. Secure the floating guard assembly in place by tightening the lock nut shown below. Use a 4mm hex wrench for the head of the bolt and 10mm wrench for the lock nut.

13. Loosen the floating guard lock handle then raise and lower the guard. When lowered, it should rest flat on the tabletop as before. If the guard does not return to fully flush with the table, loosen the support arm assembly clamp you tightened in the previous step. Adjust the support arm up or down a bit to compensate.

14. Retighten the lock nut as in step 11 and perform step 12 again if needed.

WARNING:
It is recommended that the floating blade guard always be locked in its upper position before the dust tubes are moved or pivoted.

NOTE:

For bevel cuts, where the blade is tilted to the left, you may need to move the Floating Blade Guard [I] to the left so it does not interfere with the teeth on the saw blade. First, turn off your saw and lock the floating blade guard in the upper, retracted position. Then, position the saw blade at the desired angle and elevation. Carefully lower the guard and telescope the Inner Dust Tube [G] further to the left side of the saw as necessary, checking the clearance between the sides of the guard and the teeth on the blade.

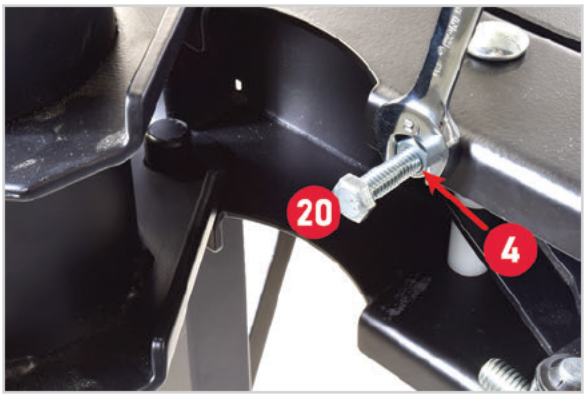
WARNING:

Always check the position of the floating blade guard [I] prior to beginning any cuts, to make sure it will not interfere with the teeth on the saw blade.

INSTALLING LIMIT BOLT AND ADJUST LOCK KNOB TENSION

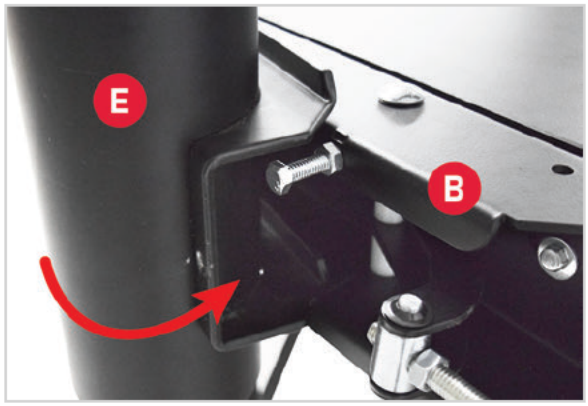
1. Insert and adjust the limit bolt and nut as follows:

   Thread the Nut - M8 x 1.25 [4] onto the Bolt - M8 x 1.25, 45mm, Hex Head [20] about 1/3 of the way down the shaft for now. Next, thread the through the Bolt - M8 x 1.25, 45mm, Hex Head [21] into the mounting bracket as shown.

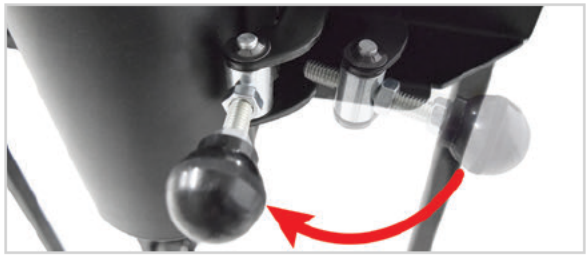


   Adjust the nut and bolt to tune the positioning of the dust tube assembly such that the Floating Blade Guard [I] aligns with (over) the blade. Additionally, the bolt head should contact the dust tube assembly and act as a stop when alignment that offers optimal dust collection is achieved.

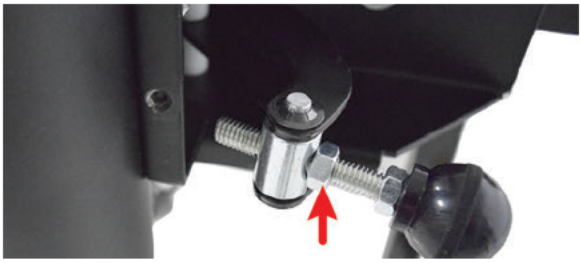
2. Continue with the dust tube assembly positioned over the table saw and it's flat plate portion of Outer Dust Tube – Curved [E] rests securely against the Dust Collection Guard Mounting Bracket [B].



3. Grasp the end of the Dust Tube Lock Knob (indicated by the red arrow below) and pivot it towards the dust tube assembly until the end of the threaded portion of the lock knob lines up with the depression in the flat plate portion of Outer Dust Tube – Curved [E] and push it until it is over center past the depression.

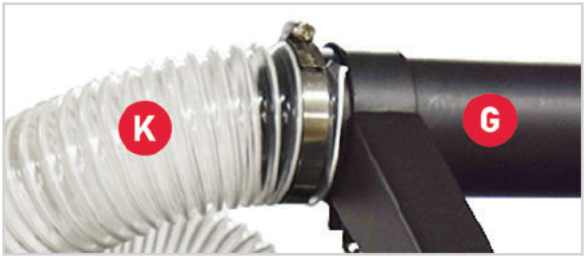


NOTE:
The amount of clamping force exerted by the Dust Tube Lock Knob can be adjusted by loosening the nut adjacent to the pivot point of the handle using a 17mm wrench and threading the handle in or out. Once the desired clamping pressure has been reached, the nut can be re-tightened.

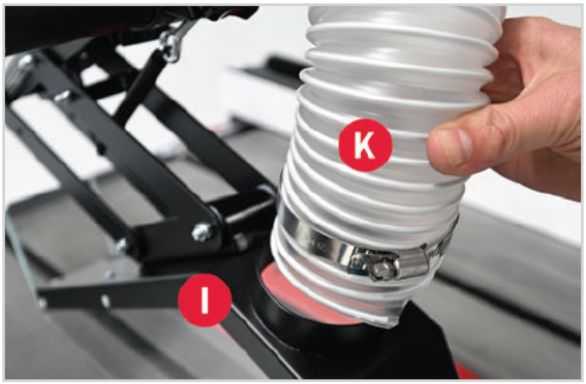


ATTACHING THE DUST COLLECTION HOSE

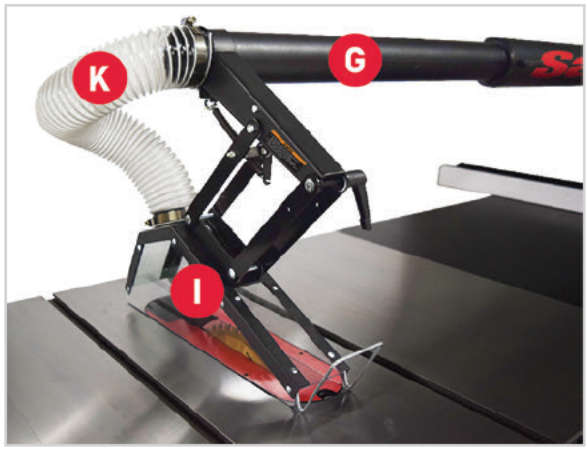
1. Slide one end of Dust Collection Hose [K] over the end of the Inner Dust Tube [G], making sure that the included hose clamp is about 1/4" to 1/2" (6-13mm) inset from the end of the dust tube.



2. Slide the other end of the Dust Collection Hose [K] onto the Floating Blade Guard [I], making sure the hose clamp is about 1/4" to 1/2" (6 to 13mm) over the edge of the Floating Blade Guard [I] 4" (102mm) port.



3. Using a screwdriver, tighten the included hose clamps to secure the dust hose both fittings described in steps 1 and 2.

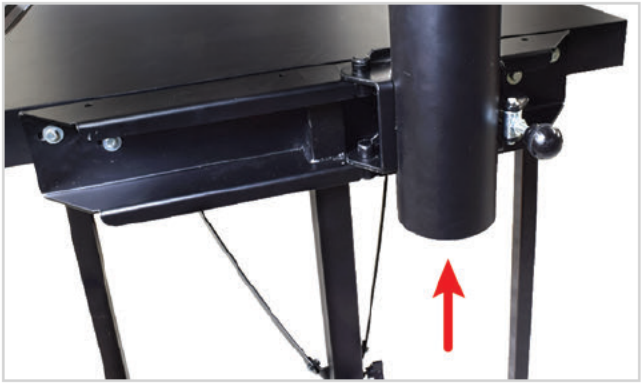


CONNECTING A DUST COLLECTION SYSTEM

WARNING:
Connect your floating dust collection Guard to a dust collection system before starting your table saw.

1. Using a 4" (102mm) hose (not included) and a hose clamp (not included), connect the base of the Outer Dust Tube - Curved [E] to a dust collection system.

   Make sure that both ends of the dust hose are securely connected and tightly sealed.



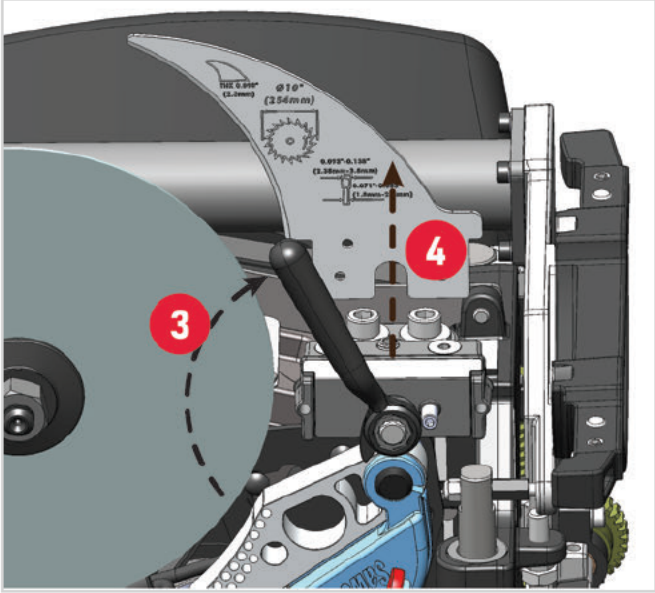
WARNING:
Always turn the dust collection system on BEFORE starting your table saw, and turn the dust collection system off AFTER stopping your table saw.

HOW TO INSTALL THE RIVING KNIFE

Your SawStop Professional Cabinet Saw includes a unique, quick-release blade guard mounting system. This mounting system was developed to allow you to quickly remove and install a blade guard or riving knife without the use of tools and without the need for realignment. The mounting system is factory-aligned to the arbor flange and should not require adjustment. If you wish to change the alignment, see the owner's manual included with your table saw for instructions.

For the majority of sawing operations, including all through-sawing (where the blade cuts through the top of the wood), the riving knife should be used. To install the riving knife, follow the steps below.

1. Remove the table insert.
2. Turn the elevation wheel clockwise to fully raise the blade.
3. Pivot the handle (3) up to open the clamp.



4. If a different size riving knife (4) or spreader-mounted blade guard is present, remove it by moving it slightly toward the right to clear the positioning pins, then lift it out of the clamp.
5. To install your riving knife in its place, position it into the clamp and flat against the base plate. The positioning pins will align the riving knife in the correct position without effort.
6. Lower the clamping handle (3) completely to lock the riving knife in place. If the clamping handle is difficult to lower, make sure the spreader is positioned flat against the base plate.

The clamping force used to hold the spreader or riving knife in place can be increased if the spreader and riving knife are not held securely, or decreased if too much force is required to lower the clamping handle. For clamping force adjustment instructions, see the owner's manual included with your saw.

IMPORTANT:

When using a dado set, neither the spreader-mounted blade guard nor the riving knife may be used. Instead, use other protective devices such as push sticks, push blocks and feather boards.

After completion of grooving cuts, before returning to normal sawing operations be sure to mount and adjust the riving knife or spreader.

NOTE:

Both the spreader and the riving knife are 2.3mm (0.090 inch) thick. Do not use a saw blade with a kerf less than 2.35mm with these tools. The kerf of a saw blade is the width of the cut produced by the blade.

WARNING:

Use the blade guard or spreader for every operation for which it can be used, including all through-sawing.

Related topics available in the owner's manual included with your saw:

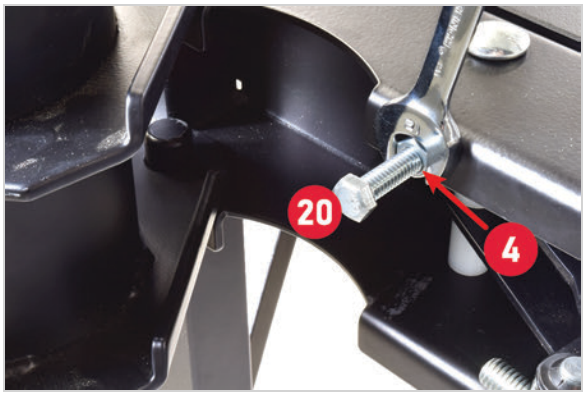
- **ALIGNING THE RIVING KNIFE/SPREADER TO THE BLADE**
- **SETTING THE HEIGHT OF THE RIVING KNIFE/SPREADER**
- **ADJUSTING THE CLAMPING FORCE FOR THE RIVING KNIFE/SPREADER**

MAKING ADJUSTMENTS

ADJUSTING THE DUST TUBE PARALLELISM

1. If the dust tubes are not parallel with the front and back of the table, the parallelism will need to be adjusted. Ensure the floating blade guard is locked in its retracted position. Next, release the dust tube lock knob and pivot the dust tubes towards the rear of the table.

2. Loosen the Nut - M8 x 1.25 [10] using a 13mm wrench and thread the Bolt - M8 x 1.25, 45mm, Hex Head [12] in or out relative to the dust collection guard mounting bracket. Once the bolt is in the correct position, use a 13mm wrench to re-tighten the nut in order to secure the bolt.



ADJUSTING THE DUST TUBE LENGTH

When making narrow rip cuts, ensure that the rip fence does not interfere with the guard by adjusting the height and lateral position of the guard. These adjustments are discussed in this section and the section that follows.

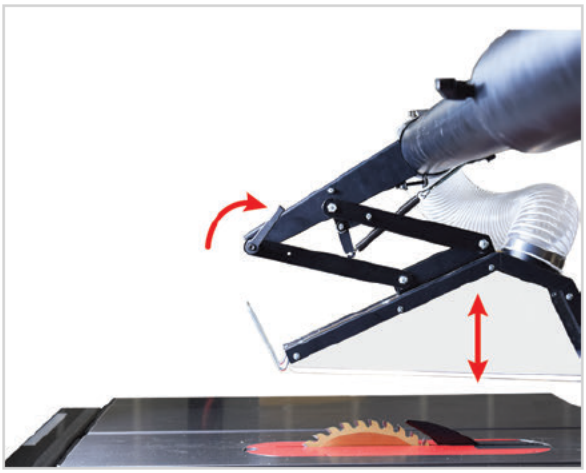
1. Loosen the inner dust tube lock knob by turning the handle counter-clockwise and slide the inner dust tube in or out of the outer dust tube until the desired position of the floating blade guard is reached.

2. Tighten the inner dust tube lock knob by turning the handle clockwise. Do not over-tighten the inner dust tube lock knob.

ADJUSTING THE FLOATING BLADE GUARD

The floating guard lock handle can be used to secure the floating blade guard and prevent vertical movement of the guard. Before each cut and before turning on the saw, adjust the guard height based on the thickness of the workpiece. This will help to maximize dust collection efficiency.

1. Loosen the lock handle by rotating it in a counterclockwise direction.

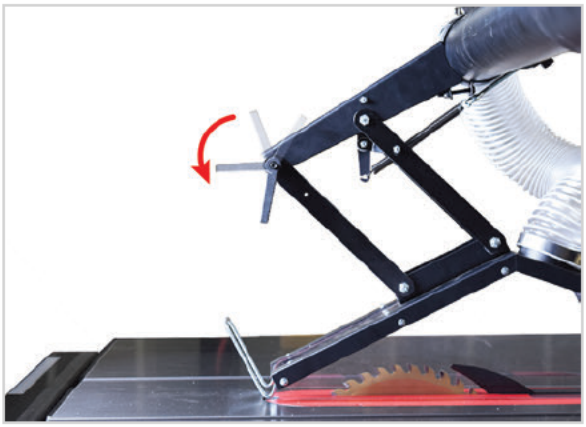


2. Place your workpiece next to the blade guard then adjust the height of the guard to about 2mm above the workpiece.

> **NOTE:**
> If you are employing a low fence to perform a narrow cut and the workpiece is thinner than the low fence, set the guard height to the thickness of the low fence.

> **WARNING:**
> Ensure that the top panel of the guard does not contact the blade and that the rear panel does not contact the riving knife (if present).

3. Tighten the lock handle by rotating it in a clockwise direction.



Limit Stop

The floating guard assembly employs an adjustable limit stop feature which sets the maximum height that the guard can be raised. Perform the following steps to adjust the limit stop.

1. Using a 5mm hex wrench and a 10mm box wrench, loosen the limit stop bolt shown below.

Do not completely remove the nut from the limit stop bolt.

2. To increase the height to which the floating guard can be raised, slide the limit stop bolt toward the right along the slot. Secure the bolt at the desired location using a 5mm hex wrench and a 10mm box wrench.

3. The guard should never be adjusted to be higher than 5mm above the blade in the fully upward position. To decrease the height to which the floating guard can be raised, slide the limit stop bolt toward the left along the slot. Secure the bolt at the desired location using a 5mm hex wrench and a 10mm box wrench.

NOTE:

There are some operations in which the use of the floating dust collection guard system is not practical, and in those cases, the floating blade guard can be lifted up towards the dust tubes and the floating guard lock handle can be tightened to secure it in place.

When pivoting the dust tubes relative to the dust collection guard mounting bracket and when adjusting the lateral position of the floating blade guard, the floating blade guard should always be locked in its upper, or retracted, position.

ADJUSTING THE FLOATING BLADE GUARD SPRING

1. The spring tension knob can be used to adjust the tension of the floating guard spring, which controls the extent to which the floating blade guard is biased towards its upper, retracted position. Rotate the knob clockwise to increase the tension or counter-clockwise to decrease the tension.

MAINTENANCE

- Over the life of your TSG-FDC, the motion of raising and lowering the blade guard may begin to feel stiff. You can change this tension to your liking by loosening the four bolts indicated in the image.

- Keep the floating blade guard clean and free of dust to allow unobstructed viewing of the blade and workpiece.
- If any portion of the floating dust collection guard ceases to function properly, replace or repair it before continuing to use the saw.
- When not in use, the floating blade guard can be stored in its upper position, or the dust tube lock knob can be unlocked and the dust tubes and floating dust collection guard can be pivoted away from the saw.
- See the Owner's Manual included with your table saw for information on recommended dust collection system specifications.

SPECIFICATIONS

The SawStop Floating Dust Collection Guard is designed as a blade cover and dust collection hood. It is intended for use on SawStop cast iron table saws. The transparent floating guard back plate can be cut or removed to provide clearance for safety devices such as riving knives, splitters, and anti-kickback pawls. The Floating Dust Collection Guard is compatible with dado stacked blades.

PRODUCT SPECIFICATIONS	
Net Weight	58 lbs (26.3kg)
Floating Blade Guard Dimension	3.5"x18.5" (88.9mm x 470mm)
Distance Between Blade and End of Extension Table	35.75" to 68" (90.8cm x 172.7cm)
Inner Dust Tube Diameter	3" (76.2mm)
Outer Dust Tube Diameter	4" (101mm)
Outer Dust Tube Height Above Table	13.6" (345.4mm)
Outer Dust Tube Height Above Floor	33.5" to 50" (85cm x 127cm)

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85-008160-00
Rev A - 05152025