

Installing Your SawStop Premium Fence Assembly

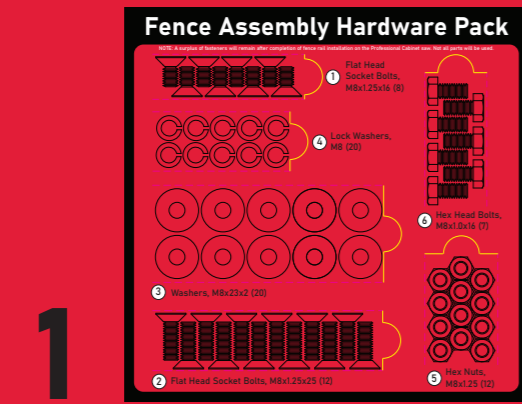
Before assembling your Premium Fence Assembly, make sure that you have all the necessary components identified on page 1 in the owner's manual, including the fence assembly hardware pack. Call the SawStop Service Department at 503-582-9934 if any components are missing. You will also need the following tools to complete the fence assembly installation:

1. a 3 mm hex wrench
2. a 5 mm hex wrench
3. a 13 mm wrench
4. a straight-edge

Note: While the illustrations here depict the Professional Cabinet Saw, the installation instructions for fitting your Premium Fence Assembly to the 10" Contractor Saw are identical. Any small variations in assembly procedure are noted in the instruction steps that follow.

• Locate the front rail, the rear rail, and the fence assembly hardware pack. All of the hardware needed to install the fence system is located on the fence assembly hardware pack. In order to easily identify the hardware used in each of the following steps, the different pieces of hardware are numbered on the hardware pack and in the figures.

Note: Your saw must be fully assembled before installing the fence system.

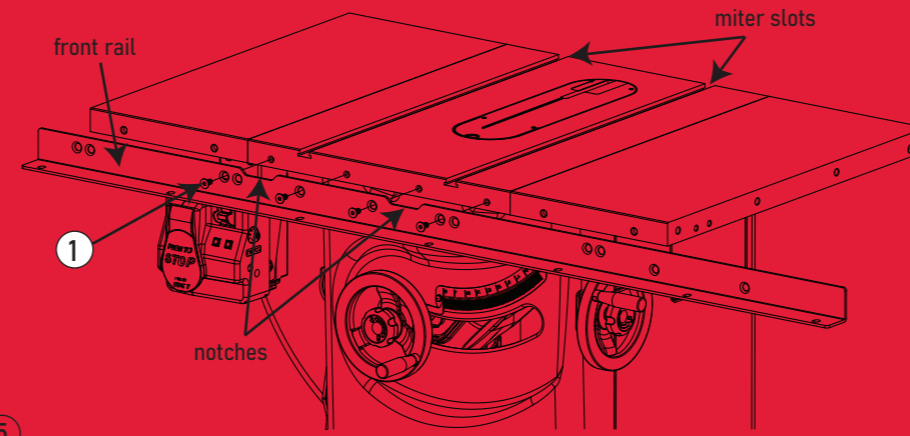


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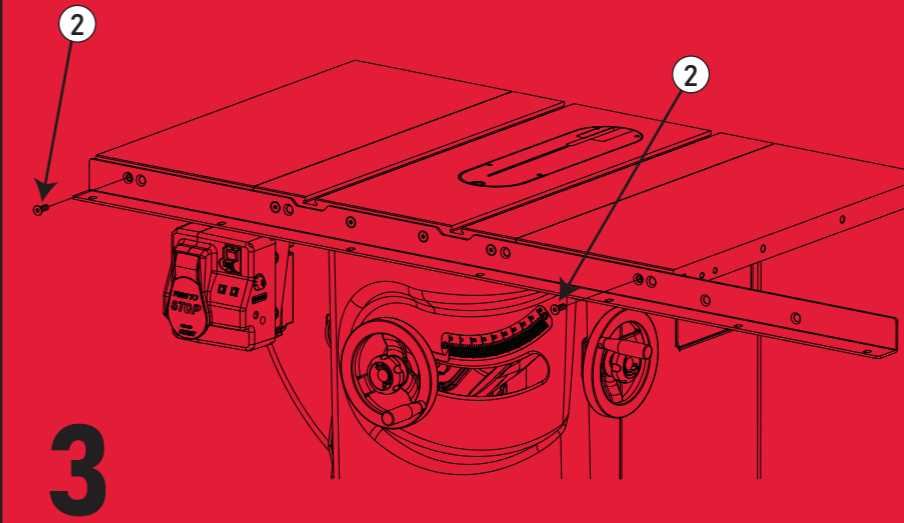
• Take the front rail (the larger of the two rails) and align it to the front edge of your saw by centering the notches in the rail with the two miter slots in the table and aligning the two holes between the notches with the two corresponding holes in the front edge of the table. Aligning the two holes between the notches aligns all the other holes used in mounting the front rail to your saw; different holes are used for different saws.

PCS Procedure: When the holes are aligned, mount the front rail to the saw by taking four M8x1.25x16 flat head socket bolts ① and threading one into each of the four threaded holes in the front edge of the main table. Tighten the four bolts using a 5 mm hex key.

CNS Procedure: When the holes are aligned, mount the front rail to the saw by taking four M8x1.25x25 flathead socket bolts ② and inserting one into each of the four open holes in the front edge of the main table. Place an M8x23x2 washer ③ and an M8 lock washer ④ on the back of each of the M8x1.25x25 flat-head socket bolts that extend through main table, and then thread an M8x1.25 hex nut ⑤ on each bolt. Tighten the four bolts using a 5mm hex wrench and a 13mm wrench.

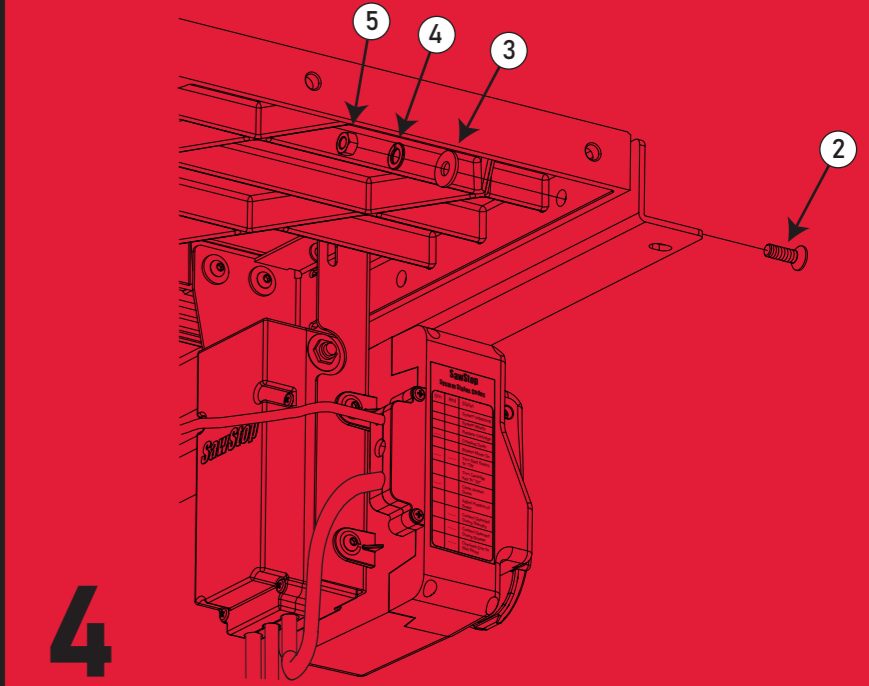


• Take two M8x1.25x25 flat head socket bolts ② and insert one through the open hole at the end of each extension wing.



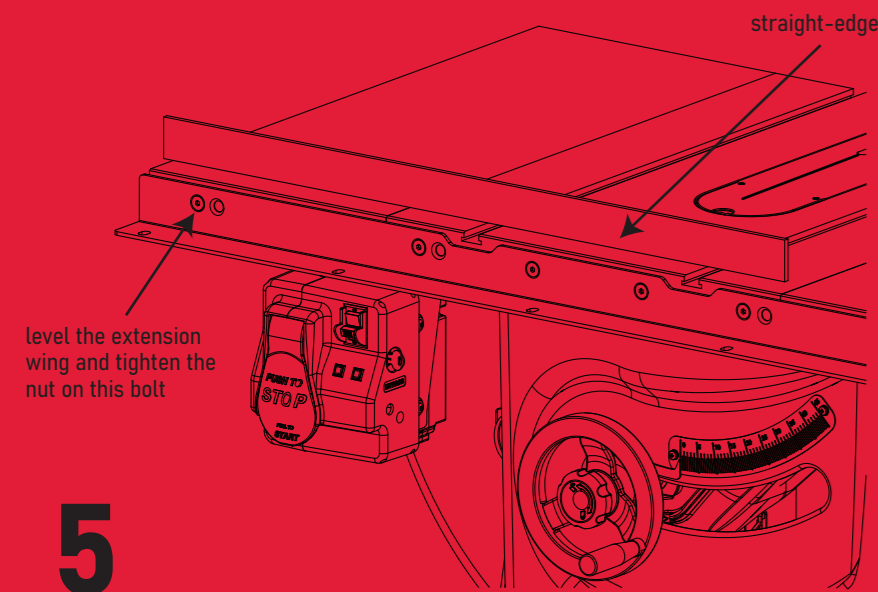
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• Place an M8x23x2 washer ③ and an M8 lock washer ④ on the back of each of the M8x1.25x25 flat head socket bolts ② that extend through the extension wings, and then thread an M8x1.25 hex nut ⑤ on each bolt. Hand tighten the nuts; do not fully tighten them.



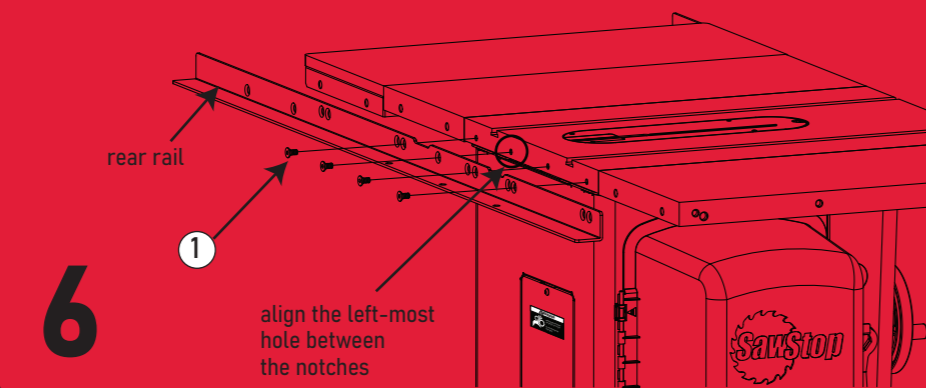
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• Use a straight-edge to level the front edge of the left extension wing to the cast iron table top. You may have to pull up or push down on the outer edge of the extension wing to level it. Once the front edge of the left extension wing is level, use a 5 mm hex key and a 13 mm wrench to fully tighten the nut on the bolt that mounts the left extension wing to the front rail. Repeat this process to level the front edge of the right extension wing.



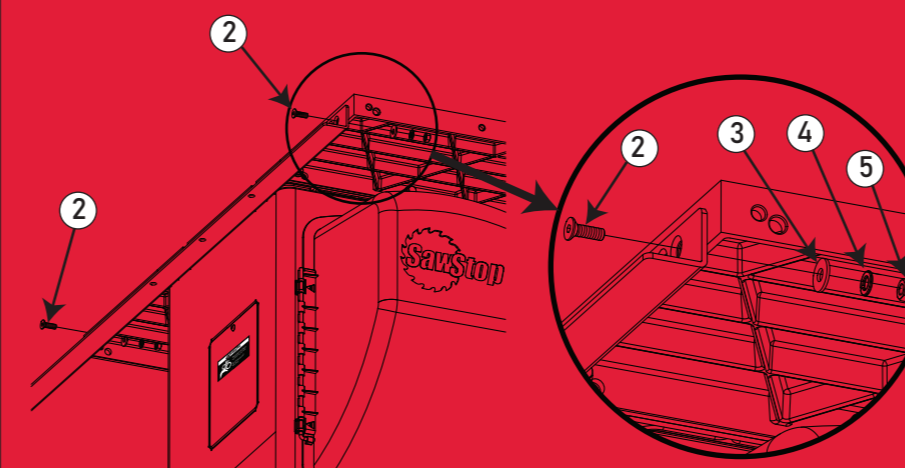
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• Take the rear rail (the smaller of the two rails) and align it to the rear edge of your saw by centering the notches in the rail with the two miter slots in the table and aligning the left-most hole between the notches with the corresponding hole in the rear edge of the table. There are three holes in the rail between the notches, one solitary hole and two holes paired together, and the left-most hole is the solitary hole. Not all of the holes are used to mount the rail to your saw; different holes are used for different saws. Aligning the left-most hole aligns all the other holes used in mounting the rear rail to your saw. When the holes are aligned, mount the rear rail to the saw by taking four M8x1.25x16 flat head socket bolts ① and threading one into each of the four threaded holes in the rear edge of the main table. Tighten the four bolts using a 5 mm hex key.

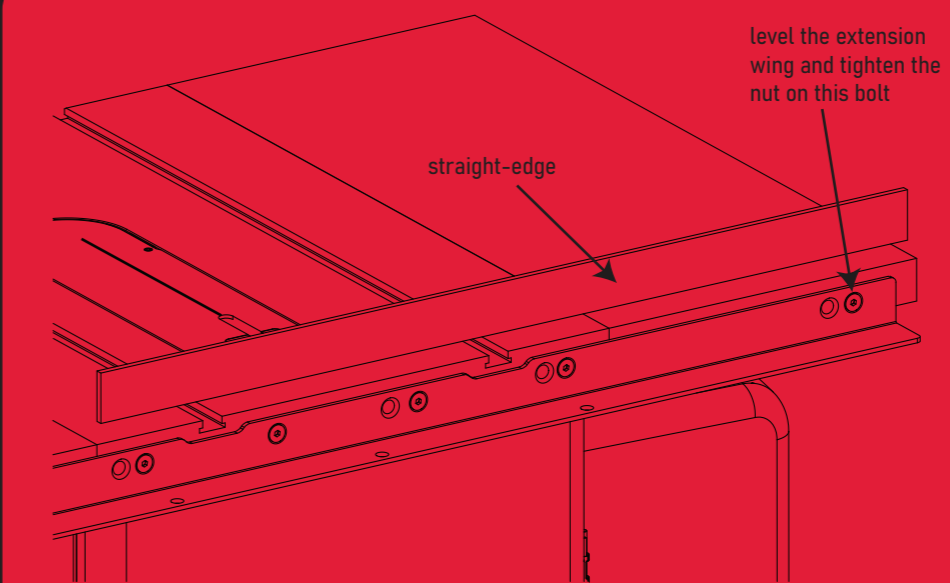


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• Take two M8x1.25x25 flat head socket bolts ② and insert one through the open hole at the end of each extension wing. Place an M8x23x2 washer ③ and an M8 lock washer ④ on the back of each bolt and then thread an M8x1.25 hex nut ⑤ on each bolt. Hand tighten the nuts; do not fully tighten them.



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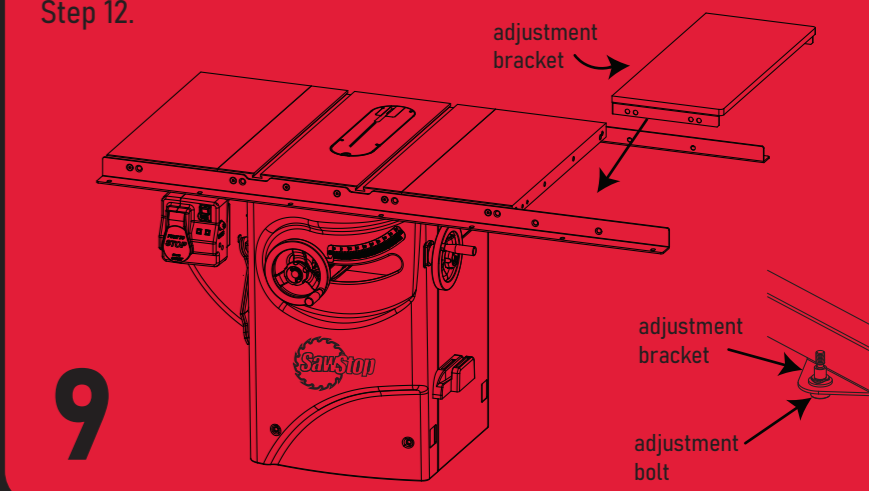


• Use a straight-edge to level the rear edge of the left extension wing to the cast iron table top. You may have to pull up or push down on the outer edge of the extension wing to level it. Once the rear edge of the left extension wing is level, use a 5 mm hex key and a 13 mm wrench to fully tighten the nut on the bolt that mounts the left extension wing to the rear rail. Repeat this process to level the rear edge of the right extension wing.

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• The next step of the assembly is easiest with two people. Position the extension table between the front and rear rails. Make sure that the table is oriented so that the adjustment bracket is closest to the right extension wing. Tilt the extension table slightly so that the adjustment bracket can fit under the edge of the extension wing. Position the extension table so that the end of the adjustment bolt aligns with the corresponding threaded hole in the bottom of the extension wing. With the weight of the extension table still supported, turn the adjustment bolt until the extension table is roughly flush with the extension wing.

For CNS assembly, see additional details regarding adjustment bolt in Step 12.



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- The extension table mounts to the rails with bolts that pass through holes in the rails and extension table. Take four M8x1.25x25 flat head socket bolts (2) and insert one bolt into each of the remaining holes in the front and rear rails. Place an M8x23x2 washer (4) and an M8 lock washer (3) on the back of each bolt and then thread an M8x1.25 hex nut (5) on each bolt. Hand tighten the nuts; do not fully tighten them.

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- Make sure the extension table is flush against the right extension wing and there is no gap between them. Then, use a straight-edge to level the front edge of the extension table to the cast iron table top. You may have to pull up or push down on the outer edge of the extension table to level it. Once the front edge of the extension table is level, use a 5 mm hex key and a 13 mm wrench to fully tighten the nuts on the bolts that mount the extension table to the front rail. Repeat this process to level the rear edge of the extension table to the cast iron table top.

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- **PCS Procedure:** Place the straight-edge lengthwise across the middle of the extension wing and the extension table (see Fig. 12a). Use a 5 mm hex key to turn the adjustment bolt clockwise or counter-clockwise until the middle of the extension table is level with the extension wing (see Fig. 12b).
- **CNS Procedure:** The above does not apply to the 10" Contractor Saw installation procedure unless the optional cast iron extension wings are present. The adjustment bolt described has nothing to thread into on the stamped steel extension wing.

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- Locate the main tube and remove seven M8x1.0x16 hex head bolts, seven M8x23x2 washers, and seven M8 lock washers from the fence assembly hardware pack. Position the main tube on the horizontal portion of the front rail with the rulers facing up and the 12 inch ruler on the left. The powder coated surfaces of the main tube and rail can be slick, so be careful that the main tube does not fall off the rail. Align the holes in the rail with the holes in the bottom of the main tube. Place an M8x23x2 washer (3) and an M8 lock washer (4) on each M8x1.0x16 hex head bolt (6) and insert the bolts through the rail and into the threaded holes in the bottom of the main tube. Hand tighten the bolts; do not fully tighten them.

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- Locate the fence and the red fence handle. Thread the handle into the cam lock on the front of the fence.

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- The holes in the bottom of the front rail are oversized to allow you to adjust the position of the main tube on the rail. To set the main tube in the correct position, first pull the main tube away from the cast-iron table as far as possible. Next, place your fence down on the main tube near the left end.

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- Press down on the fence handle to clamp the fence to the main tube. If the fence does not clamp tightly enough to hold its position against a moderate amount of force, you can increase the clamping pressure by turning both parallelism adjustment screws clockwise using a 3 mm hex key. Those screws are located in the vertical portion of the fence cross-bracket. Alternatively, if too much force is required to push the fence handle down to clamp the fence to the main tube, you can reduce the clamping pressure by turning both parallelism adjustment screws counter-clockwise.

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- Once the fence is tightly clamped to the main tube, move the left end of the main tube back toward the saw until there is only a small gap (approximately 1/16") between the front rail and the rear face of the glide plate on the fence. Tighten the left-most M8x1.0x16 hex head bolt that holds the main tube to the front rail using a 13 mm wrench. Be careful not to overtighten the bolts because you may strip the threads in the main tube (recommended torque = 8.0 ft-lbs).

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- Next, move the fence to the right end of the main tube, repeat the process described in step 17 to position the main tube, and tighten the right-most bolt. Once both ends of the main tube are adjusted correctly, use a 13 mm wrench to tighten the remaining M8x1.0x16 hex head bolts to mount the main tube to the front rail. Be careful not to overtighten the bolts because you may strip the threads in the main tube (recommended torque = 8.0 ft-lbs). The fence should now slide smoothly along the main tube without binding and without excessive play.

**Congratulations,
your fence system is
now installed.**

Please refer to your Premium Fence Assembly Owner's Manual for information on how to correctly use and adjust your fence system.