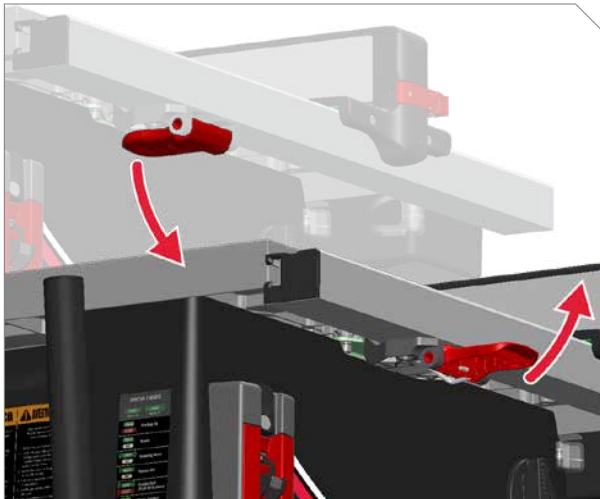


- 2** To move the fence, push lever down to unlock the fence (2A), and then slide fence until the indicator line reads desired cut width. Push down on the opposite end of the lever (2B) to lock the fence in place.



**Always use the fence when making rip cuts. Never perform a ripping operation freehand-this may result in serious injury.**



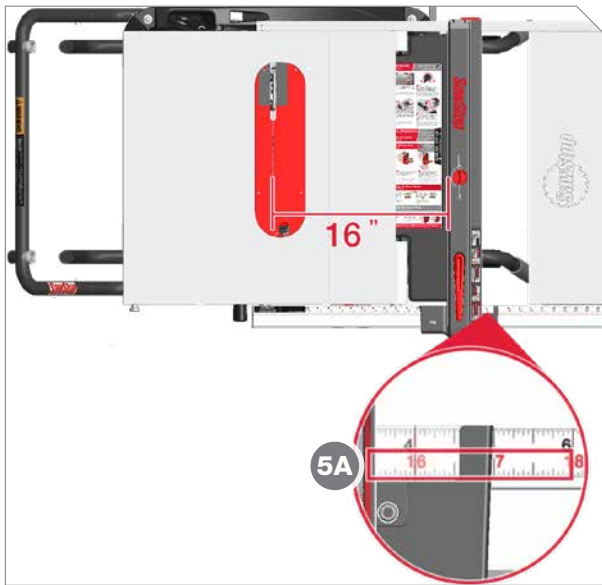
- 3** Extend table for rip cuts wider than 12" (30 cm). Flip handle out to unlock the table.



- 4** Slide the table to the right (4A) to extend. Flip handle towards the saw (4B) to lock table in place. The rails for the table must be fully extended to lock the handle.



**Do not use the saw unless the table is locked in one of the two positions: either fully closed (not extended) or fully open (fully extended).**



5

Use upper (black) scale with the table retracted. Use lower scale (5A) with the table extended.

i

Scale values are only correct when table is fully retracted or fully extended.



Do not use the saw unless the table is **locked** in one of the two positions: **fully closed (not extended)** or **fully open (fully extended)**.

## LOW FENCE

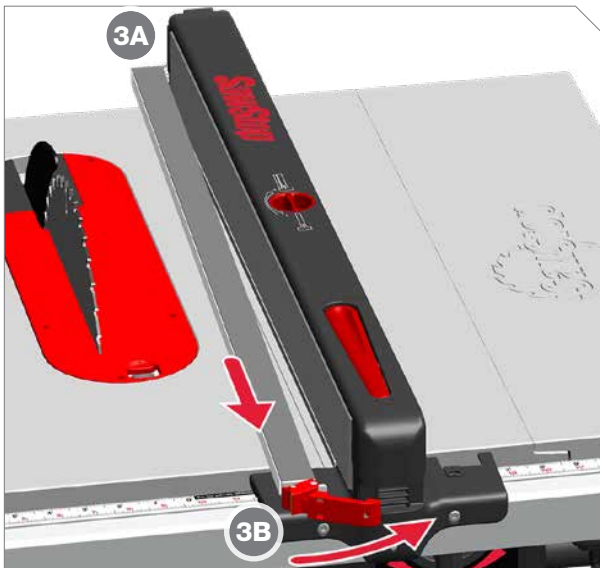


- 1 The fence is equipped with a low fence. Use the low fence when cutting thin material or narrow strips of material.

The low fence is one inch wide; subtract one inch from the values on the ruler when using the low fence.



- 2 Store low fence on right side of rip fence. Low fence can be used on either side of rip fence. To use low fence on left side of rip fence, pull lever forward (2A) and slide low fence slightly back to unhook rear.



- 3 Flip low fence over and hook rear end on left side of rip fence (3A). Push lever back to lock low fence in place (3B).



**Do not allow low fence to contact blade.**

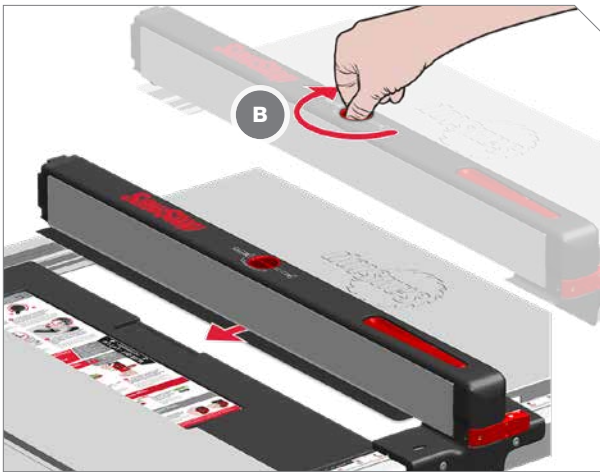
## SUPPORT SHELF



A support shelf is included in the rip fence. Use the shelf to support material (A) when the table is extended. Turn the support shelf knob clockwise (B) to extend shelf. Retract shelf when fence is over table or extension table.



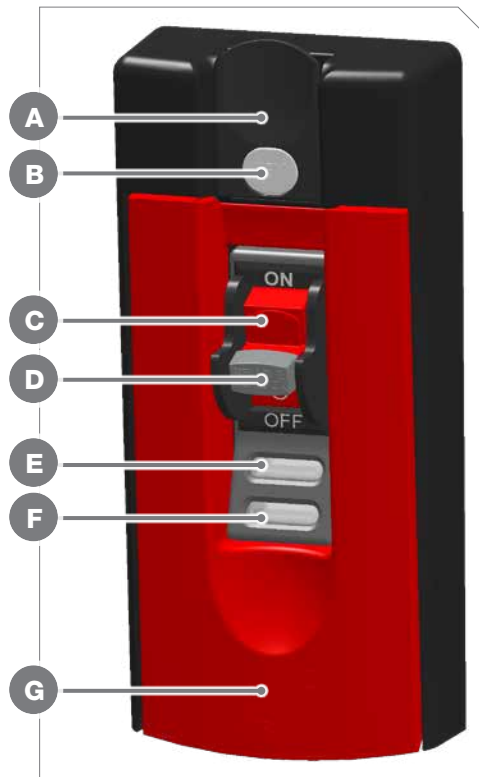
The support shelf cannot be extended when low fence is attached to left side of rip fence.



**Always retract the support shelf when the fence is over the table. If the support shelf touches the blade, the brake will activate.**

# OPERATION

## ABOUT POWER CONTROLS



- A. **Bypass Switch.** Use to run the saw in Bypass Mode (see page 50).
- B. **Bypass Lock Out Key.** Remove to disable Bypass Mode (see page 51).
- C. **Main Power Switch.** Activates power for the saw (but does not spin the blade).
- D. **Lock Out Key.** Remove to disable the saw (see page 49).
- E. **Green Status Light** (see page 45).
- F. **Red Status Light** (see page 45).
- G. **Start/Stop Paddle.** Pull out to turn on the motor and spin the blade. Push in to turn off the motor (see page 47).

## STATUS LIGHTS & CODES

The green and red lights under the power switch indicate the status of the saw. The lights function independently or in combination, depending on the status. Either light can flash slow or fast, or be on continuously. The red light can flash once indicating the saw is in Bypass Mode (see page 50).



**Startup.** The safety system is initializing. Allow up to 10 seconds to complete and the red status light to turn off.



**Ready - Running.** Saw is ready or motor is running.



**Coasting Down.** Blade is coasting down. Do not touch blade or brake will activate.



**Bypass Mode Activated.** Red light flashes once, indicating Bypass Mode has activated (see page 50).



**Bypass Mode On.** Saw is in Bypass Mode.



**Paddle Out.** Start/Stop paddle is out. Push in to clear.



**Blade Contact While Stopped.** Contact detected while blade was stopped. Wait 5 seconds for red status light to turn off.



**Blade Contact During Bypass.** Contact detected while saw is in Bypass Mode. Will clear when blade stops.



**Brake Key Error.** Turn power switch off and reinstall brake key.



**Overload Due to Moisture.** Material is too wet or green. Cycle power to clear. Allow material to dry or cut in Bypass Mode.



**Small or Missing Blade.** Switch power off, unplug the power cord and install 10" blade (or 8" Dado set and brake).



**Blade Stalled.** Cycle power and cut material more slowly. Call SawStop Technical Support if issue persists (see page 6).



**Replace Cartridge.** Cycle power. If error does not clear, replace brake.

## NORMAL MODE



### Non-Conductive Materials

Start your saw in Normal Mode (see page 47) to cut NON-CONDUCTIVE materials.

- Dry wood
- Dry plywood or OSB
- Dry pressure-treated wood
- MDF
- Plastic
- Solid surface
- Laminate
- Cardboard
- Foam



**Cutting conductive material in Normal Mode will cause the brake to activate.**

## START IN NORMAL MODE



**ALWAYS WEAR HEARING PROTECTION WHEN USING SAW!**

1

Switch power on.

Wait while safety system initializes. Red status light flashes slowly until saw is ready.



2

Ready. Red status light is off.





3 Pull paddle out to spin blade.



Never start the saw when the blade is in contact with the workpiece or any other object.

## STOP IN NORMAL MODE



1 Push paddle in.

Green status light flashes fast while blade spins down.



Do not touch the blade while it is coasting down. Your touch will trigger the brake.





2

After all cuts are completed, switch power off.

### How to Disable Your Saw

i



Remove lock out key to disable saw.

## BYPASS MODE



### Conductive Materials

Start your saw in Bypass Mode to cut CONDUCTIVE materials ([see page 50](#)).

- Green or very wet wood
- Wet pressure-treated wood
- Very wet plywood or OSB
- Aluminum and other metals
- Carbon-filled materials
- Foil
- Mirrors



**There is no protection in Bypass Mode! Use Bypass Mode only to cut conductive materials or to test conductivity ([see page 51](#)).**

## START IN BYPASS MODE



There is no protection in Bypass Mode! Use Bypass Mode only to cut conductive materials or to test conductivity (see page 51).

1

Switch power on.

Wait while saw powers up. Red status light flashes slowly until saw is ready.



2

Ready. Red status light is off.



3

Press and hold bypass switch above key. Wait for red light to flash once. DO NOT release switch.



4

While pressing bypass switch, pull paddle out to spin blade. Keep pressing switch until red light flashes once, then release switch.



**Bypass Mode**



- You cannot start in Bypass Mode unless the brake cartridge is installed and all error codes are cleared.
- Green light flashes while in Bypass Mode.

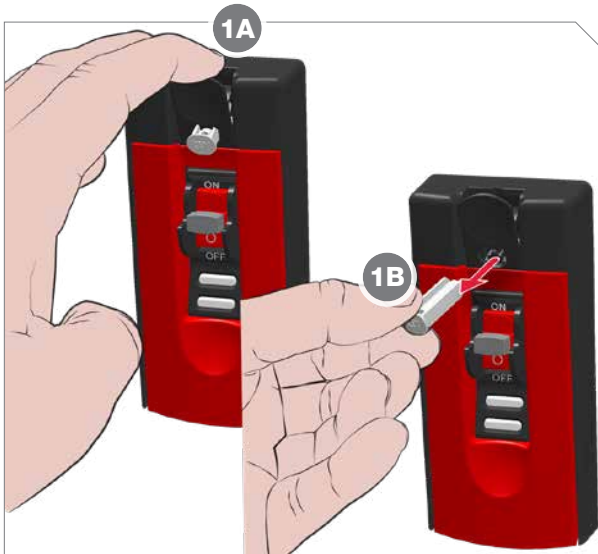
## STOP IN BYPASS MODE



- 1 Push paddle in to stop blade. Green status light flashes fast while blade spins down. Saw exits Bypass Mode automatically after blade stops. After all cuts are completed, switch power off.



The saw is still in Bypass Mode until the blade comes to a complete stop! The saw returns to Normal Mode automatically after the blade stops.



### How Disable Bypass Mode

- 1 Pull bypass switch out (1A) then remove the Bypass Key (1B) to disable bypass. Insert Bypass Key to re-enable.

### How to Test Material Conductivity

Use Bypass Mode to see if material is conductive and would cause the brake to activate. Start the saw in Bypass Mode (see page 50), and then carefully make several cuts on a scrap piece of the material.

The status code (combination of lights) shown here indicates material is conductive and must be cut in Bypass Mode to prevent brake from activating. If this status code is not displayed after several trial runs, then it is likely the material is not conductive and you can make future cuts in Normal Mode.





## MAINTENANCE

### USER-REPLACEABLE PARTS

The following is a list of typical user-replaceable parts, and where to find replacement instructions:

PART	PAGE
Blade	29
Cartridge	35
Table Insert	28
Riving Knife	33
Blade Guard	31
Spreader	31

### ALL PARTS

See the exploded views near the end of this manual for a complete listing of components and part numbers. For parts and further technical assistance contact SawStop ([see page 6](#)).

### POWER CORD

Periodically check the condition of the power cord; if the cord becomes damaged, it must be replaced by a specially prepared supply cord available through SawStop Service. The cord must be replaced by SawStop or an authorized service agent ([see page 6](#)).

## BLADE GUARD

Keep the blade guard free of accumulated saw dust, wood chips, and other debris. Vacuum out any dust as needed. Check that you have a clear view of the saw blade from all angles; make sure no abrasions or materials on the blade guard obscure your view. Before each use, check that the blade guard pivots up and down freely. It should rest completely on the table when not in use, and the side plate should contact the table when the blade is tilted to 45 degrees.

## CABINET

The interior of the cabinet should be kept free of accumulated saw dust, wood chips and other debris. Although most of the dust is collected by the dust collection system, it is normal to have some dust collect in the cabinet. Periodically check for dust inside the bottom of the cabinet, trunnion assembly, and dust shroud. Vacuum out the dust as needed to prevent any buildup.

# MAKE ADJUSTMENTS



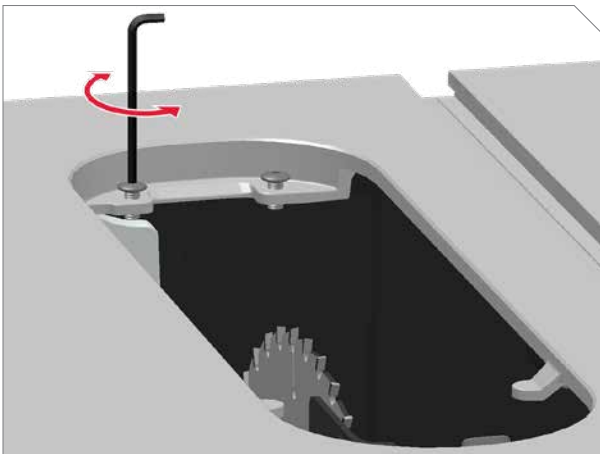
Always make sure the motor is off, the power cord is unplugged and the blade is completely stopped before making any adjustments.



Your saw is factory-adjusted to meet strict requirements and should not generally need adjustment.

## ADJUST TABLE INSERT

### Vertical Movement



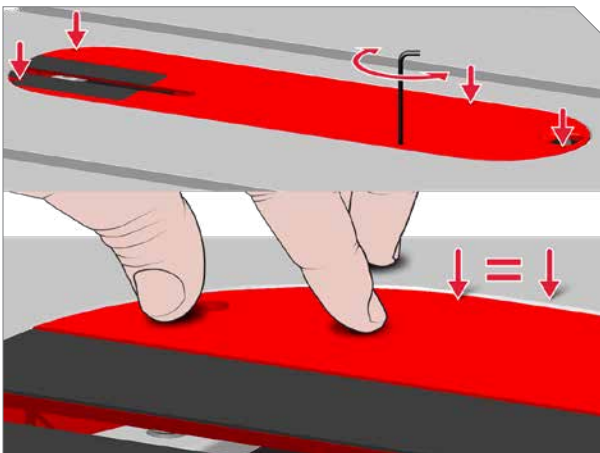
1

Remove insert. To reduce vertical movement, use a 3 mm hex key wrench to tighten both screws (clockwise). Reinstall insert. Press down on parts of insert to check that there is no movement.

2

If insert becomes difficult to install or remove, increase vertical movement by loosening screws (counter-clockwise). Check by reinstalling and removing insert several times.

### Align to the Table Top Surface



1

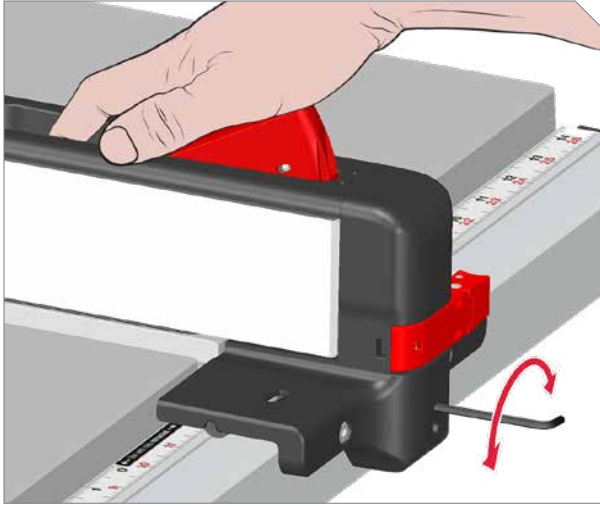
Use a 3 mm hex key wrench to rotate the 5 screws clockwise to raise insert or counter-clockwise to lower insert. Balance adjustments between all 5 screws.

2

Feel around edges of insert to ensure it is flush with tabletop. When pressing on insert, it should not rock or click.

## ADJUST FENCE

### Clamping Force



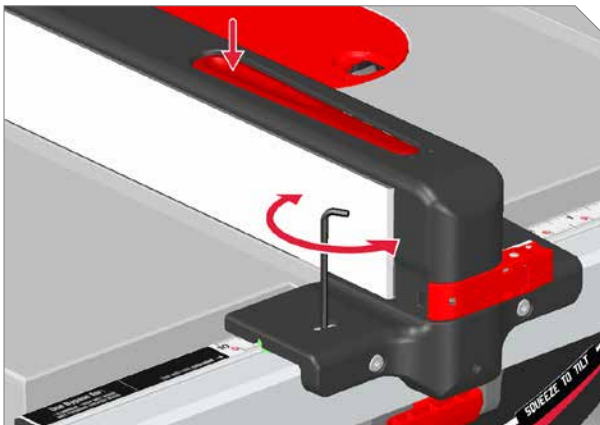
- 1 Unlock fence and insert a 3 mm hex key wrench into hole in front of fence. Turn clockwise to tighten or counter-clockwise to loosen. Check clamping force by locking and unlocking fence several times. Make further adjustments as necessary.

### Alignment

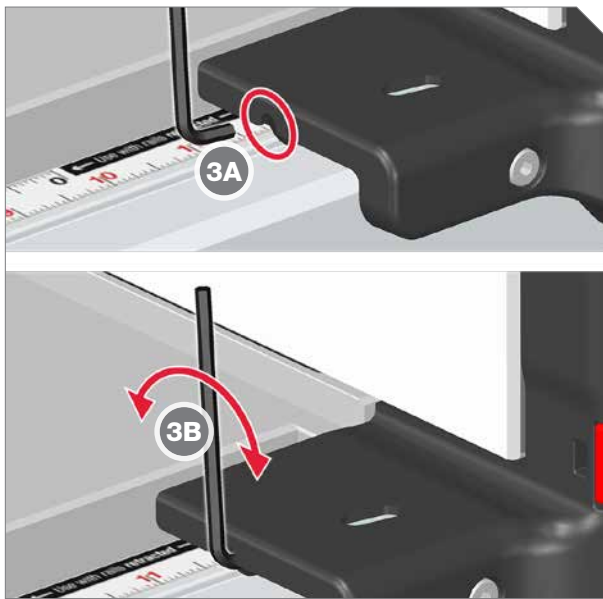


- 1 Unlock fence and position with one side flush with a miter gauge slot. Lock fence. Check that face of fence is flush with miter slot edge along whole length. If there is misalignment, continue to next step.

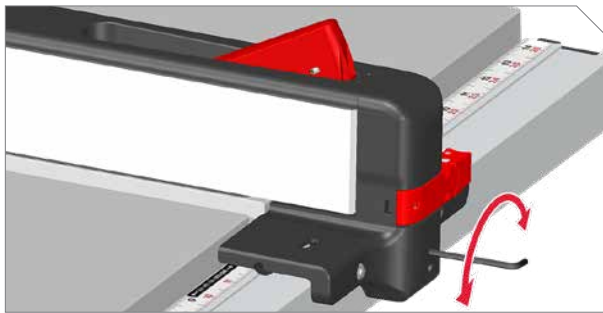
**i** When locking, fence may shift. If this occurs, unlock fence, adjust, and re-lock.



- 2 Unlock fence. Use a 3 mm hex key wrench to slightly loosen screw in top left side of fence head.

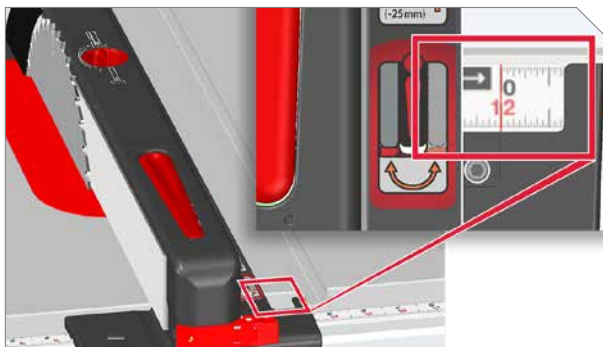


**3** Insert 3 mm hex key wrench (3A) at an angle into hole in left side of fence head. Rotate screw (3B) clockwise to shift fence left, or counter-clockwise to shift fence right. Lock fence and check alignment. Make further adjustments as necessary. When fence is parallel to the miter slot, tighten screw in top left side of fence head. (Reverse Step 2)

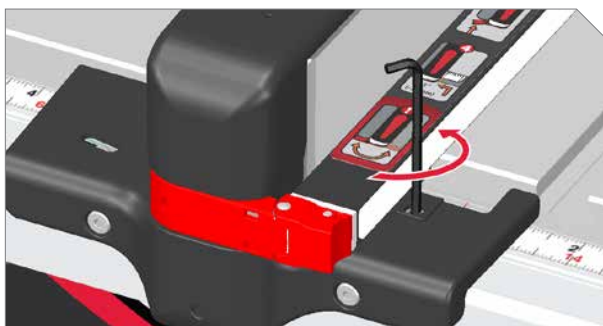


**4** Once fence alignment is done, lock and unlock fence to make sure it is still tightly secured to rail. If fence slides while locked, or feels loose, use a 3 mm hex key wrench to tighten screw on front of fence.

## Adjust Indicator Lens

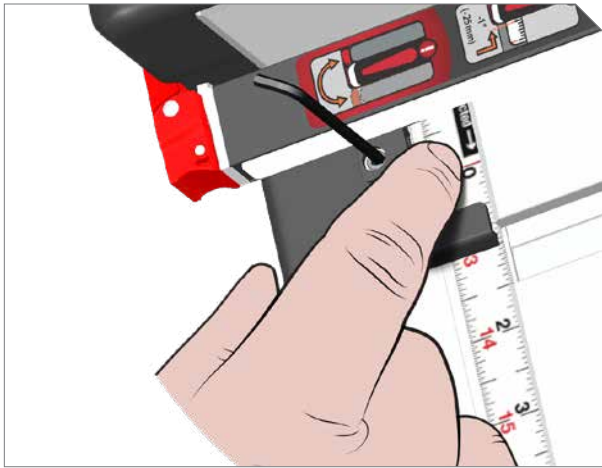


**1** Raise blade fully. Make sure the table is fully retracted. Move fence so its left side rests against right side of blade. If indicator lens reads 0" (0 mm) on ruler, no adjustment is needed. If indicator does not read 0" (0 mm) proceed to next step.



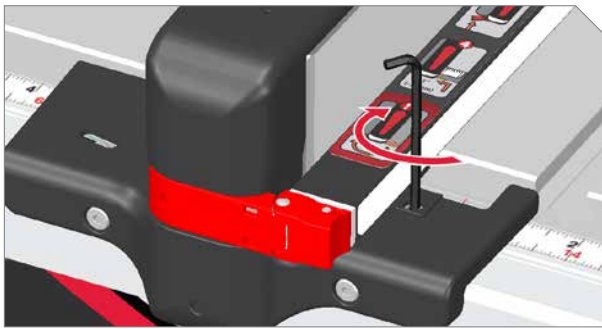
**2** Use a 3 mm hex key wrench to loosen bolt next to indicator lens.





3

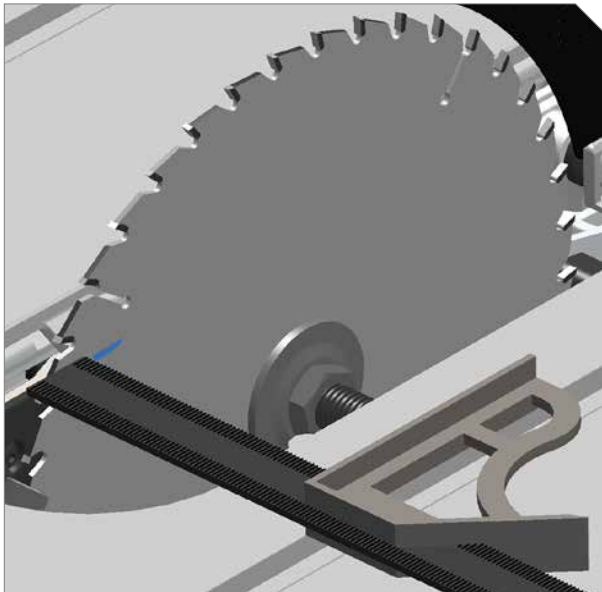
Slide lens by hand to correct location. If easier, you can also remove the fence and slide the lens from the underside of the fence.



4

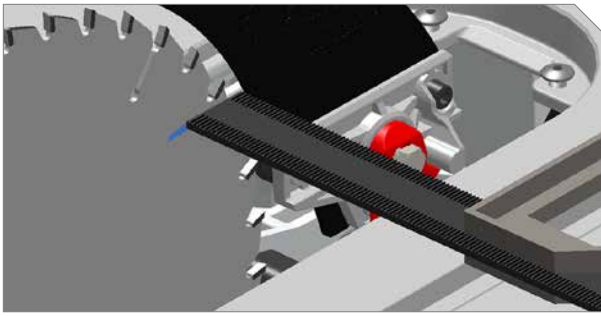
Tighten bolt. Check position of lens and make further adjustment as necessary.

## ALIGN BLADE TO TABLE



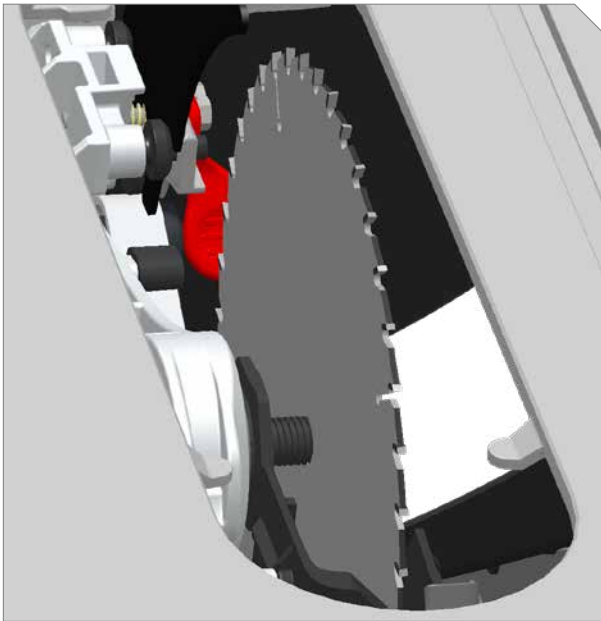
1

Remove table insert and raise blade. Set combination square parallel with right miter slot. Extend ruler until it touches space between two teeth at front of blade. Mark that point on blade. Note ruler measurement.



2

Rotate blade until marked point is just above table, but toward back of saw. Repeat measurement with combination square. If measurement is within 0.01" (0.025 mm), no adjustment is needed. If not, proceed to next step.



3

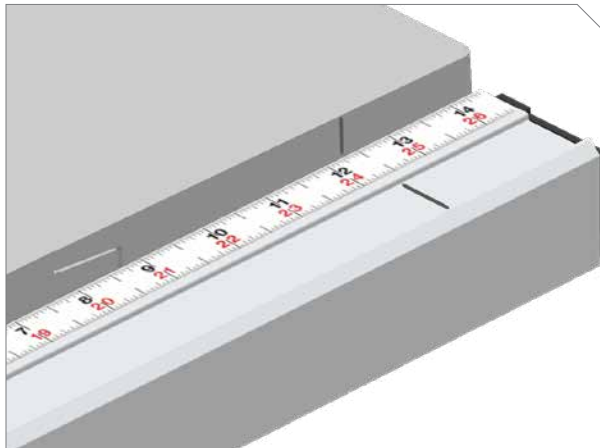
Loosen arbor nut and slide blade over slightly.



4

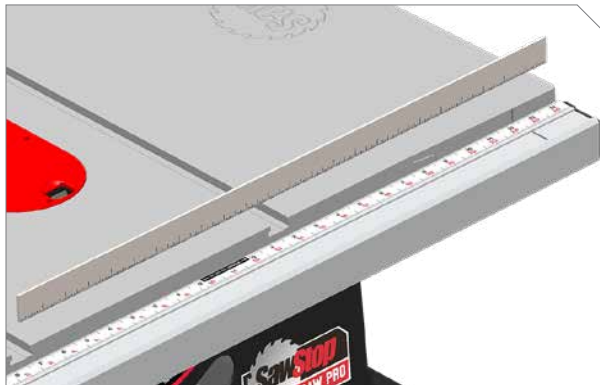
Locate adjustment bolt, which is down and left of blade, inside table insert opening. Use 4 mm hex key wrench to rotate bolt clockwise to move blade right, and counterclockwise to move blade left. Once adjusted, tighten arbor nut. Return to step 2 and make further adjustments as necessary.

## ALIGN EXTENSION TABLE



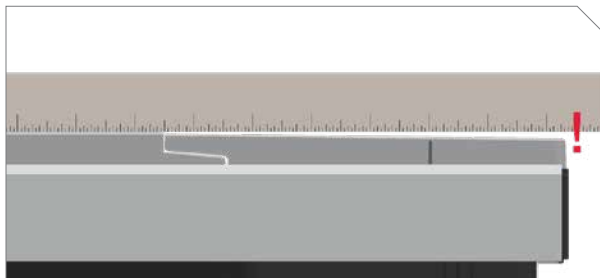
1

Use a pencil to mark the extension table and rail in the same location for alignment purposes in later steps, or make note of where end of table meets rail ruler.



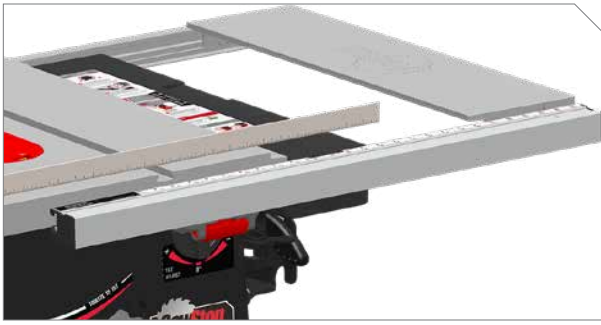
2

Place a straightedge across table and extension table, parallel to rail.



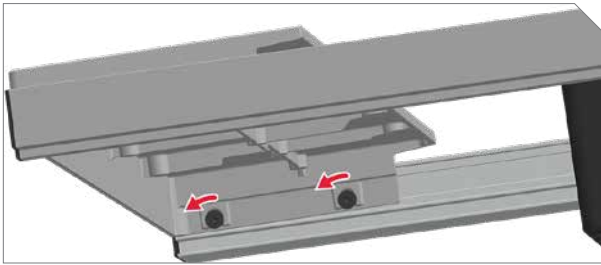
3

Check for gap between extension table and straightedge. If there is a gap, use a feeler gauge to determine size. If gap less than 0.05" (1.3 mm), extension table aligned, so no adjustment needed. If gap is larger than 0.05" (1.3 mm), proceed to next step.



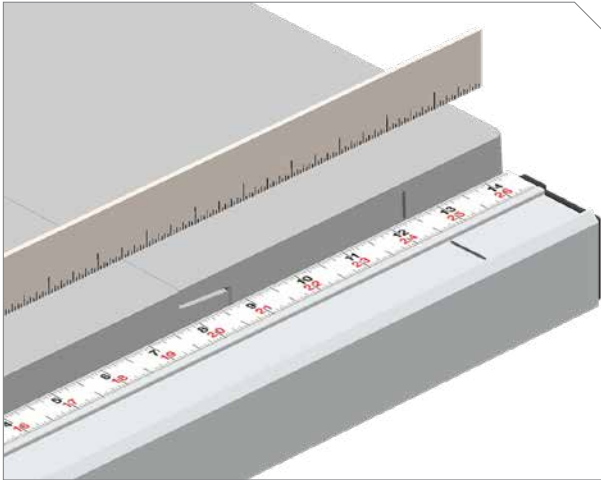
4

Extend and lock extension table.



5

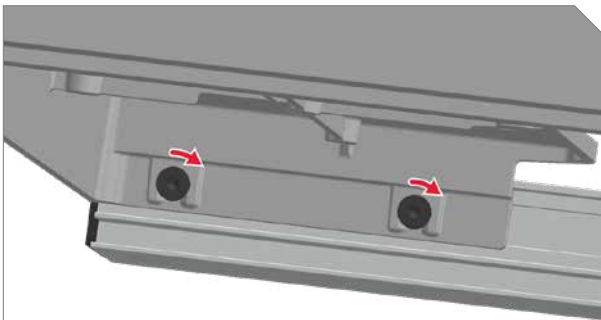
Use a 4 mm hex key wrench to SLIGHTLY loosen the two screws between front rail and extension table. Push down or pull up on extension table as necessary to correct alignment.



6

Unlock, close, and re-lock extension table.

Recheck alignment. Make further adjustments if necessary. Once alignment is correct, check pencil mark made earlier, or noted ruler measurement, to ensure extension table is still aligned with rail. If marks align, proceed to step 7. If marks do not align, extension table has shifted side-to-side relative to rail. Readjust extension table to align marks. Use straightedge to recheck vertical alignment, then recheck marks.



7

Once table top and extension table top are aligned, and the marks are aligned, open extension table and tighten screws.