

wood is too wet. See the instructions on starting the saw in Bypass Mode ([see page 50](#)) and how to test the conductivity of a material ([see page 51](#)). If the test indicates the wood is too wet to cut with the safety system active, you must either allow the wood to dry or make the remaining cuts in Bypass Mode.

- 8) Do not replace the arbor belt with a non-SawStop belt. The SawStop arbor belt is custom designed to dissipate static electricity that may build up on the spinning blade which could cause an unintended activation of the brake.
- 9) Never touch the arbor, arbor pulley, arbor nut or arbor washer when the blade is spinning because you may receive a serious injury. These parts are all electrically coupled to the blade and the brake will activate if contact with these parts is detected.
- 10) Never reach under the blade while it is spinning. In the event the brake is activated, the retraction of the blade may cause a serious injury if you contact the bottom of the blade.
- 11) Do not remove the dust shroud because a large portion of the blade will be exposed. If you contact the blade under the table, the blade may retract toward you and cause a severe injury.
- 12) Do not unplug or disconnect the saw from electrical power before the blade has stopped spinning. If the power is interrupted while the blade is moving, the safety system will not be active and therefore the brake will not activate in the event of accidental contact. You may receive a serious injury if you contact the spinning blade while the electrical power has been interrupted.
- 13) Never attempt to disable the SawStop safety system or modify the electrical wiring of the saw in any way. Any change or modification or disablement of the safety system or other wiring could result in a serious injury and will void all warranties.
- 14) Never attempt to repair, adjust, modify or otherwise service a brake cartridge. There are no user-serviceable parts inside the brake cartridge. The brake cartridge is permanently sealed against dust and other contaminants. Destruction, removal, or alteration of this seal voids all warranties.

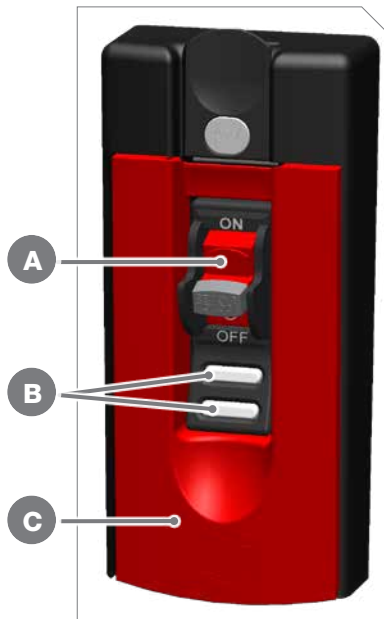


OVERVIEW



- A. Power Controls
- B. Table Insert
- C. Riving Knife
- D. Storage
- E. Fence
- F. Elevation and Tilt Control
- G. Folding Cart

POWER CONTROLS



Use the power controls to run the saw and monitor the saw's status ([see page 45](#)).

- A. Power Switch
- B. Status Lights
- C. Start/Stop Paddle for Blade



Status lights can flash slow or fast ([see page 45](#)).

LOCATION OF ACCESSORIES

ACCESSORY DRAWER



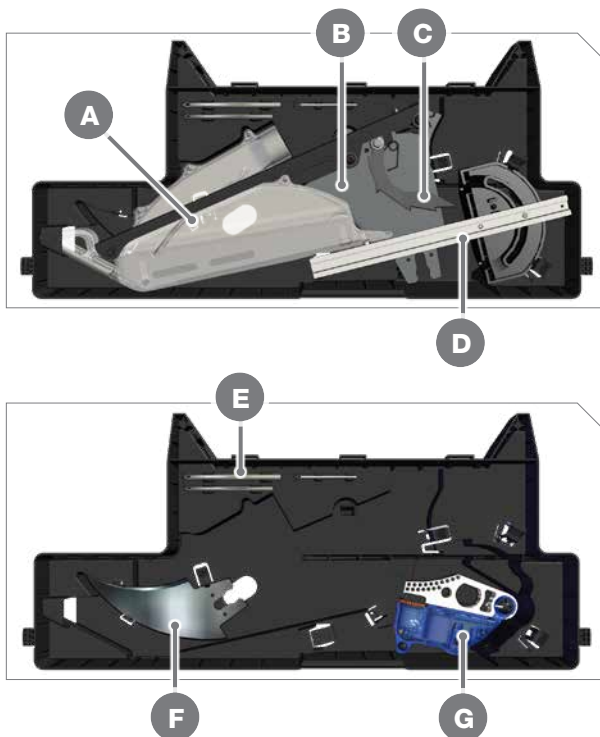
1

Extend table to reveal storage drawer.

2

Pull drawer out to allow lid to open. Press clips to release accessories (2A).

LOCATION OF STORAGE DRAWER ACCESSORIES



The drawer stores items in two layers, with the riving knife and optional spare brake underneath.

A. Blade Guard

B. Spreader

C. Anti-Kickback Pawls

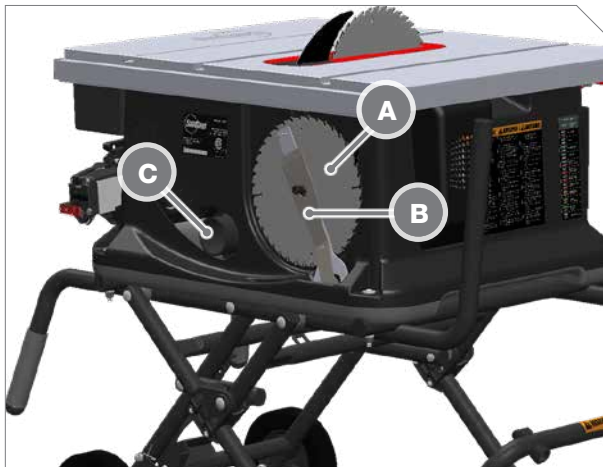
D. Miter Gauge

E. Hex Key Wrenches

F. Riving Knife

G. Storage for Optional Spare Brake

FENCE, POWER CORD, AND PUSH STICK STORAGE

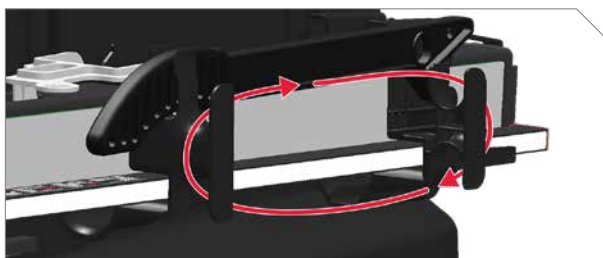


- A. Spare Blades
- B. Blade Wrenches
- C. Dust Port ([see page 37](#))



FENCE

Slide fence fully into storage holsters and flip latch down to lock in place. Pull up on fence lever to release latch and remove fence.



POWER CORD

Wrap power cord around brackets on right sides of holsters, as shown by red arrows.



PUSH STICK

Insert push stick into opening above brackets, then push until it stops. Swing handle end of push stick into clamp on front holster and push down to lock push stick in place.



MOBILE CART

SETUP AND TRANSPORT



- 1 To open mobile cart, grasp both handles and raise cart and saw to upright position. Press lock release lever with right foot (1A) and pull handles toward you.



- 2 Lower handles until cart locks in open position.



- 3 Make sure cart does not wobble. If needed, loosen wing nuts and adjust leveling feet, then re-tighten wing nuts (3A).



Always use the saw and the mobile cart on a level surface. Unplug and store the power cord before moving the saw.



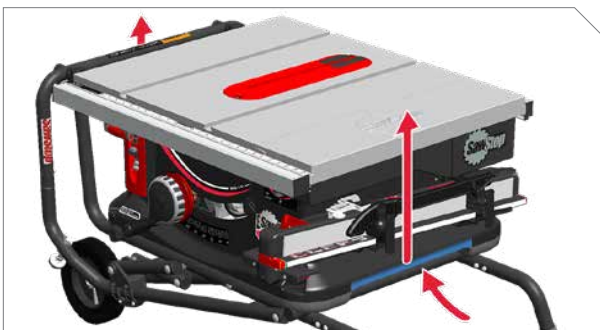
4 To collapse cart for transport, depress lock release lever with foot (4A) and lift both handles.



5 Raise handles until the cart and saw are completely upright. Ensure lock bar fully engages lock pin.



6 To move saw, grasp both handles and tilt cart backward to roll on wheels.



7 To lift saw, grasp hand grips on saw. The hand grips are molded into the bottom left and bottom right sides of the saw cabinet.



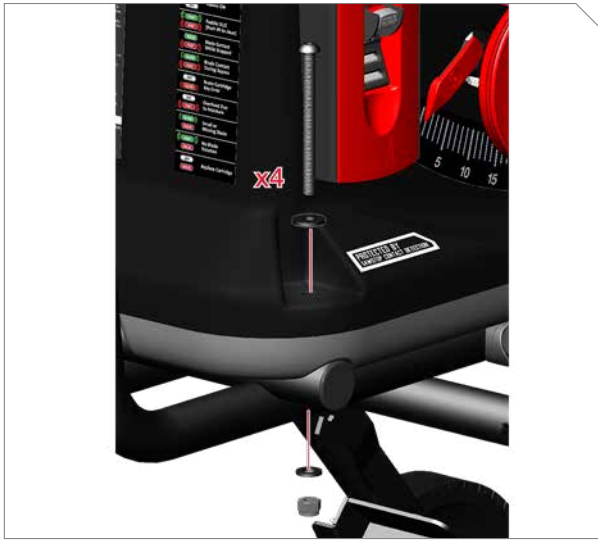
The saw and the cart weigh approximately 113 pounds (51 kilograms). Be careful and use proper lifting technique to avoid injury. Two people are required to lift the saw.

REMOVE/INSTALL MOBILE CART



1

Raise the cart. Locate bolt on each corner.



2

Use 5 mm hex key wrench and 13 mm wrench to remove hardware from saw corners.



3

Use the hand grips to lift saw straight up and off cart. To re-attach saw, reverse steps.



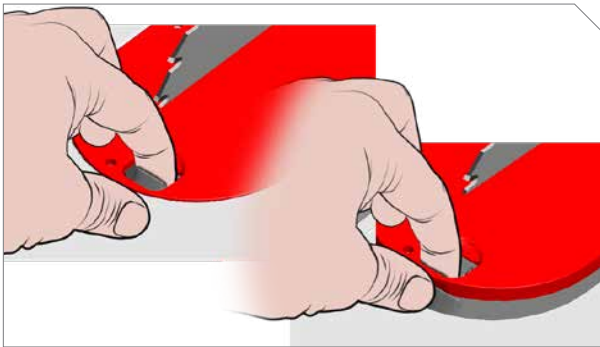
The saw weighs approximately 84 pounds (38 kilograms). Be careful and use proper lifting technique to avoid injury. Two people are recommended.

REMOVE/INSTALL TABLE INSERT

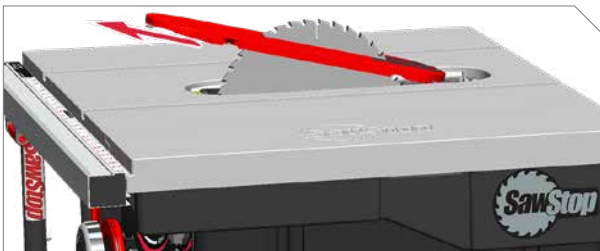
REMOVE TABLE INSERT



1 Switch power off and unplug the power cord.

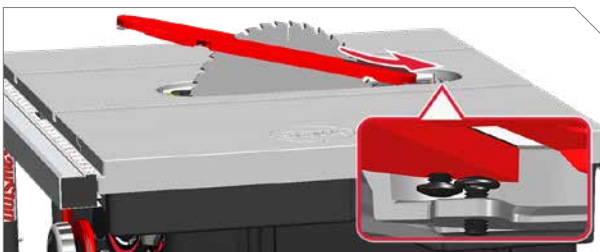


2 Press latch until insert pops up.



3 Slide insert up and out.

INSTALL TABLE INSERT

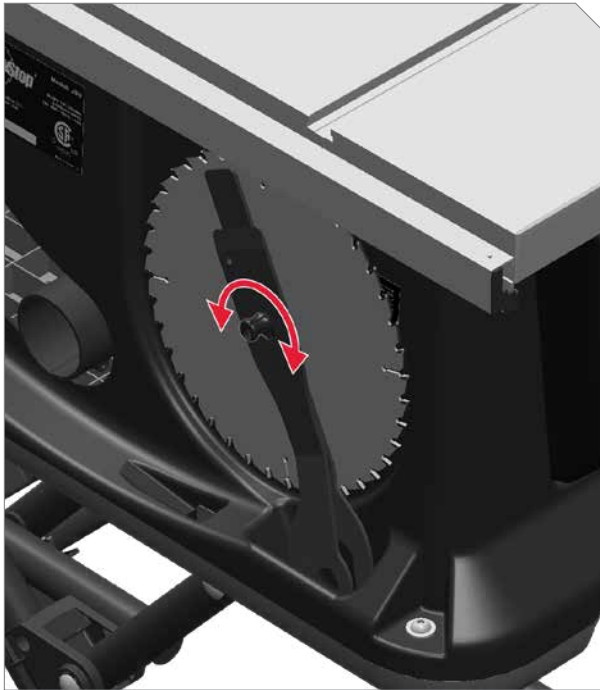


1 Slide in so rear screws overlap. Press front of insert down to lock in place.

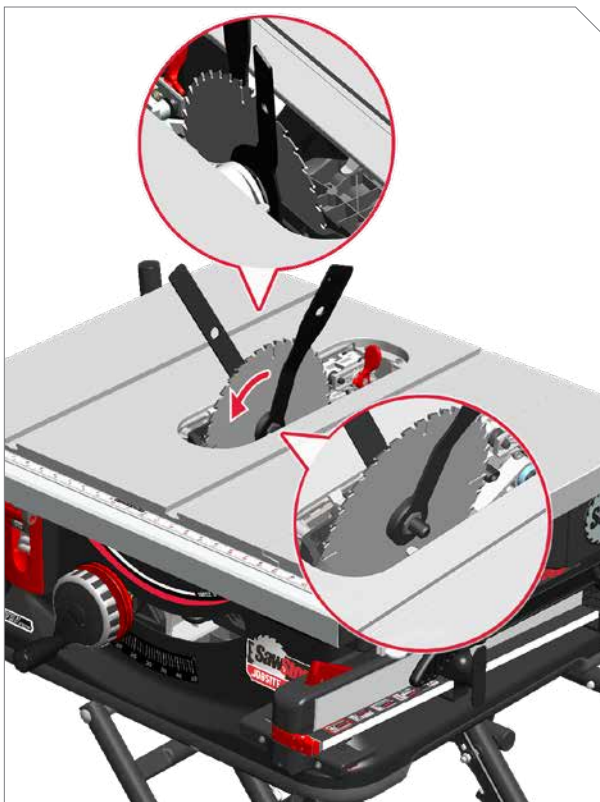


Never operate the saw without the table insert in place.

REMOVE/INSTALL BLADE



- 1 Switch power off and unplug power cord. Remove table insert and riving knife/blade guard. Release wrenched by turning knob 1/2 turn.



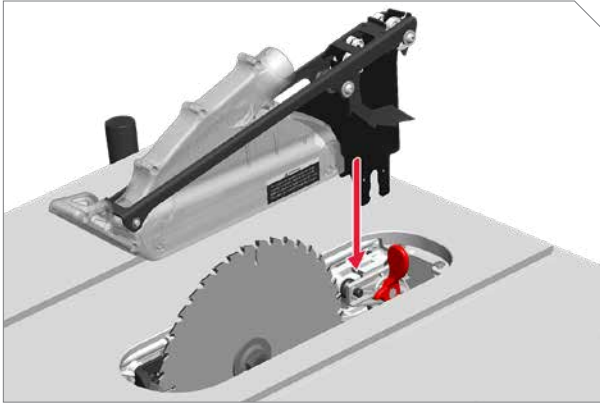
- 2 Loosen blade nut with wrenches. Remove nut and washer, change blade, and then reinstall washer and nut. Tighten nut with wrenches—do not over-tighten. Make sure direction of blade rotation matches direction of teeth, as indicated by red arrow. Reinstall table insert and riving knife/blade guard.



Always switch the power off and unplug the power cord before changing the blade.

BLADE GUARD AND SPREADER

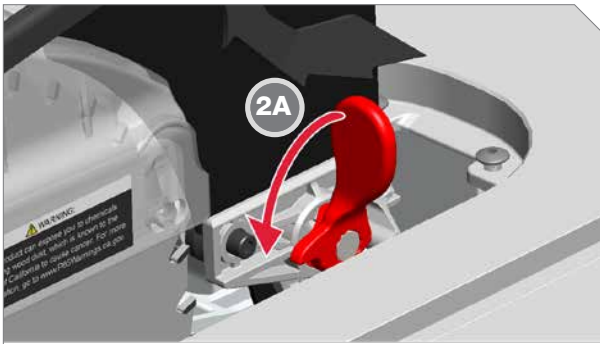
HOW TO USE BLADE GUARD



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

1

Switch power off, unplug the power cord and remove table insert. Install blade guard into clamp.



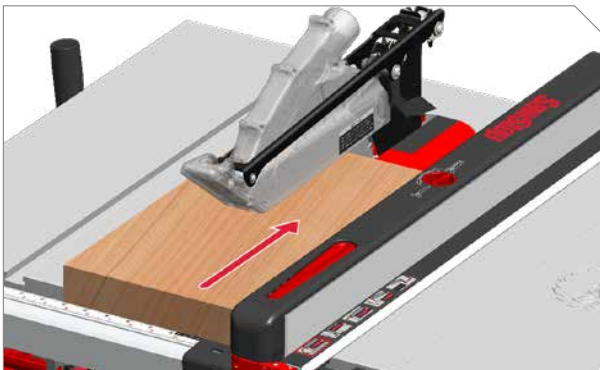
2

Rotate clamp handle down (2A, 2B) to secure blade guard in place. Install table insert. Reverse steps to remove blade guard.



3

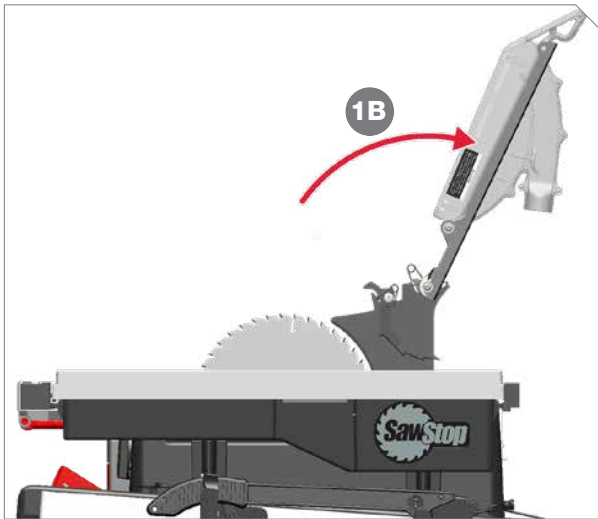
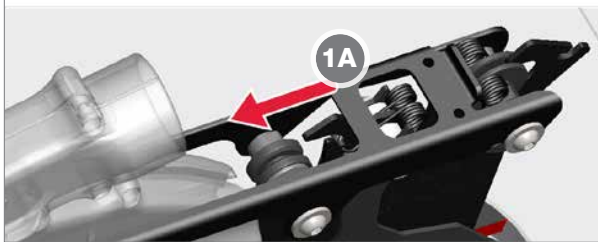
To cut, raise top of blade above material. Place material flat on table and push slowly and smoothly into blade. Guard will adjust to material height.



i

To install or remove table insert, blade guard must be lifted ([see page 31](#)).

REMOVE/INSTALL BLADE GUARD



1

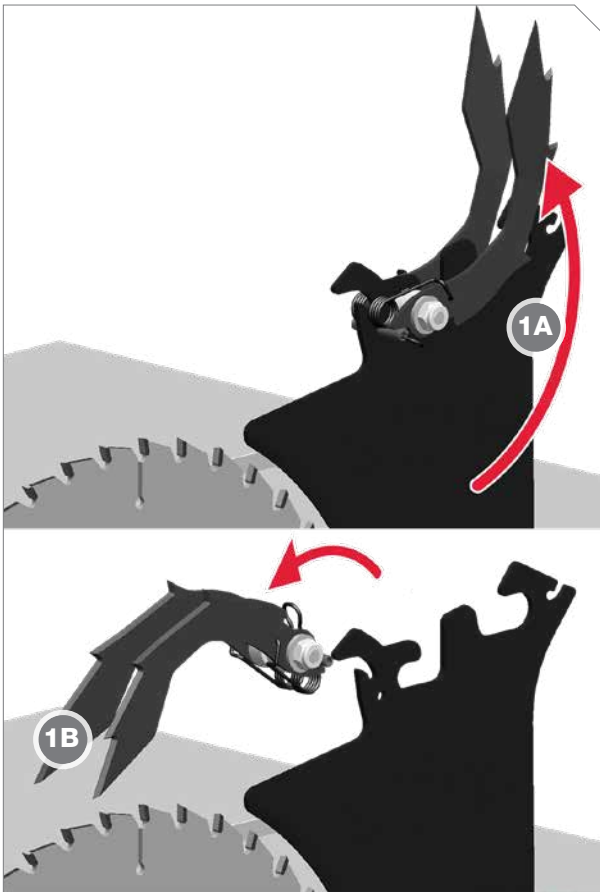
To provide easy access when changing blades, raise blade guard away from table. Pull guard forward (1A) then rotate it up and back (1B). Reverse steps to place the guard back in locked position for use.

2

To completely remove the blade guard, rotate up and pull forward (2A) until the guide and height adjustment wheels are clear of the brackets (2B). Continue to lift and rotate until the top guard spring (19) releases from the bracket.

Store guard in storage drawer when not in use (see page 23). Reverse steps to reinstall guard.

ANTI-KICKBACK PAWLS



1

Leave pawls down to reduce likelihood of kickback. If you need to remove pawls, first remove guard, and then pull pawls back, up (1A) and forward to remove (1B). Store pawls in storage drawer (see page 23). To install pawls, reverse process.

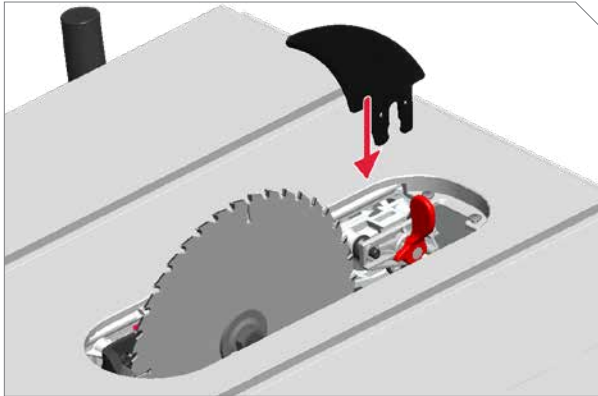


Always switch the power off and unplug the saw before removing or installing the blade guard, spreader, or riving knife.



When the blade guard is not in use, storage places are provided in the accessory drawer for the blade guard, anti-kickback pawls, spreader, miter gauge and riving knife.

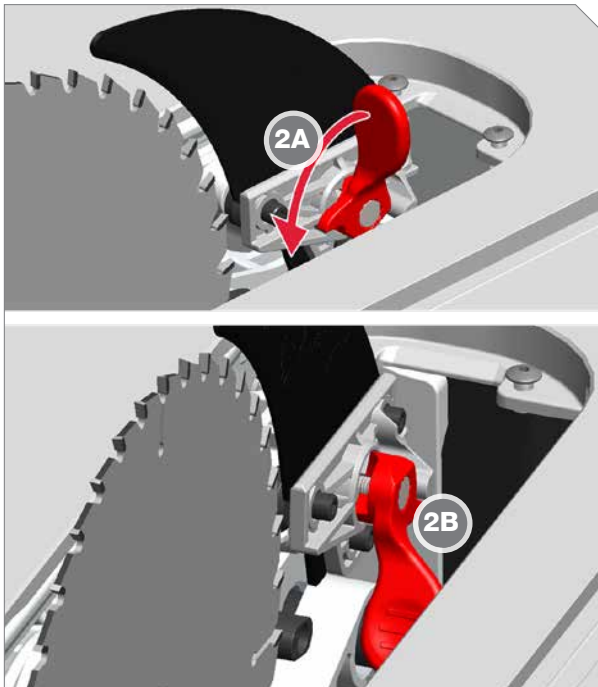
RIVING KNIFE



1

A primary reason to use the riving knife is for non-through cuts where the blade guard and splitter cannot be used.

Switch power off, unplug the power cord and remove table insert. Install riving knife into clamp.



2

Rotate clamp handle down (2A, 2B) to secure riving knife in place. Install table insert. Reverse steps to remove riving knife.



3

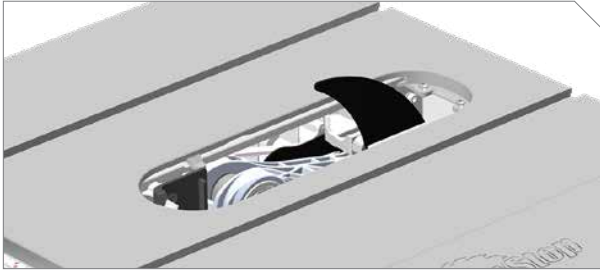
Place material flat on table and push slowly and smoothly into blade.



Use the riving knife for every operation where the blade guard cannot be used. Neither the blade guard nor riving knife can be used when making Dado cuts.

BRAKE CARTRIDGE

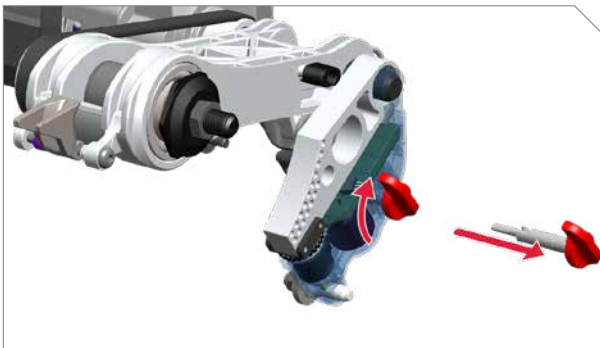
HOW TO CHANGE BRAKE



Always switch the power off and unplug the power cord before changing the brake.

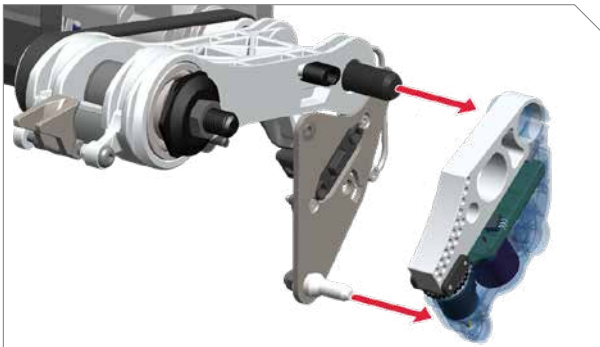
1

Switch power off and unplug the power cord. Raise blade fully and set blade tilt to zero degrees. Remove table insert. Remove the blade.



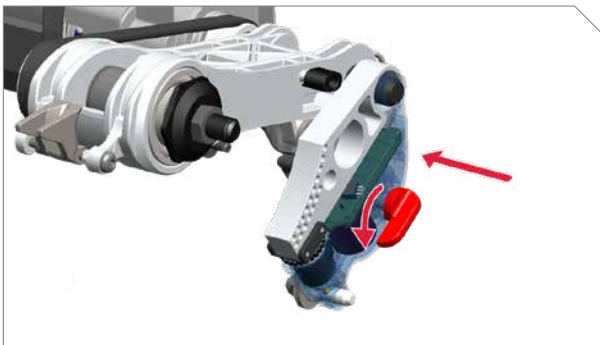
2

Turn brake key 1/4 turn clockwise and pull out.



3

Pull brake off pins.



4

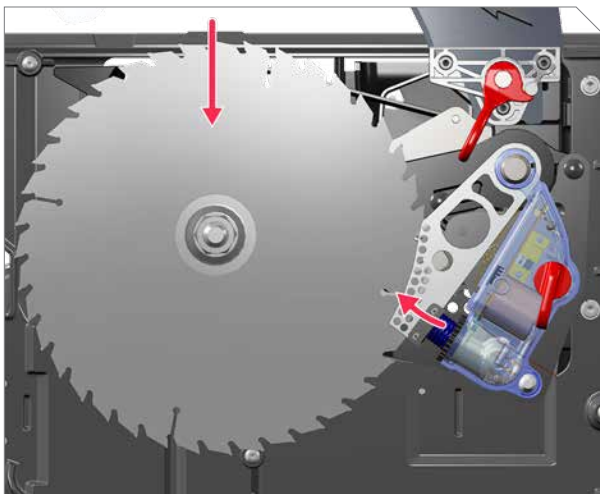
Slide new brake onto both pins. Insert key and rotate 1/4 turn counter-clockwise to lock in place. Reinstall riving knife/blade guard and table insert.



5

Install an optional Dado brake for 8" Dado sets.

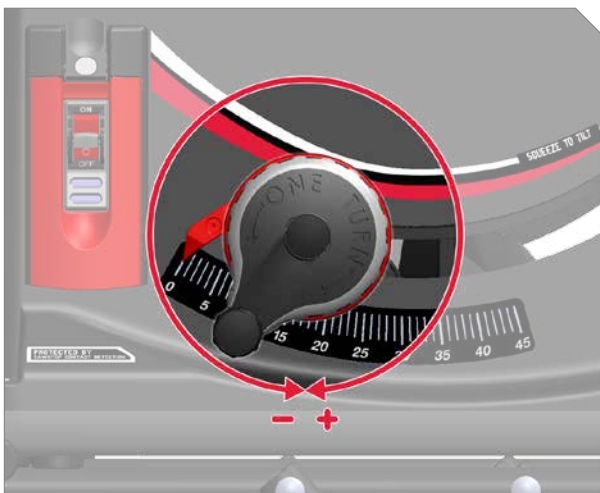
HOW TO REPLACE ACTIVATED BRAKE CARTRIDGE



Upon brake activation, blade will stop spinning and may drop below table (unless blade was spinning slowly). You must change brake and blade to reset your saw.

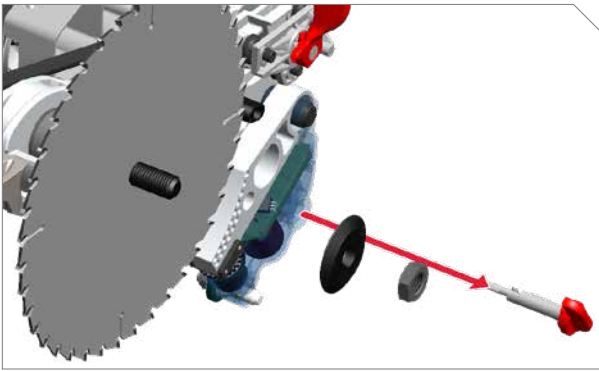


Always switch the power off and unplug the power cord before changing the brake.



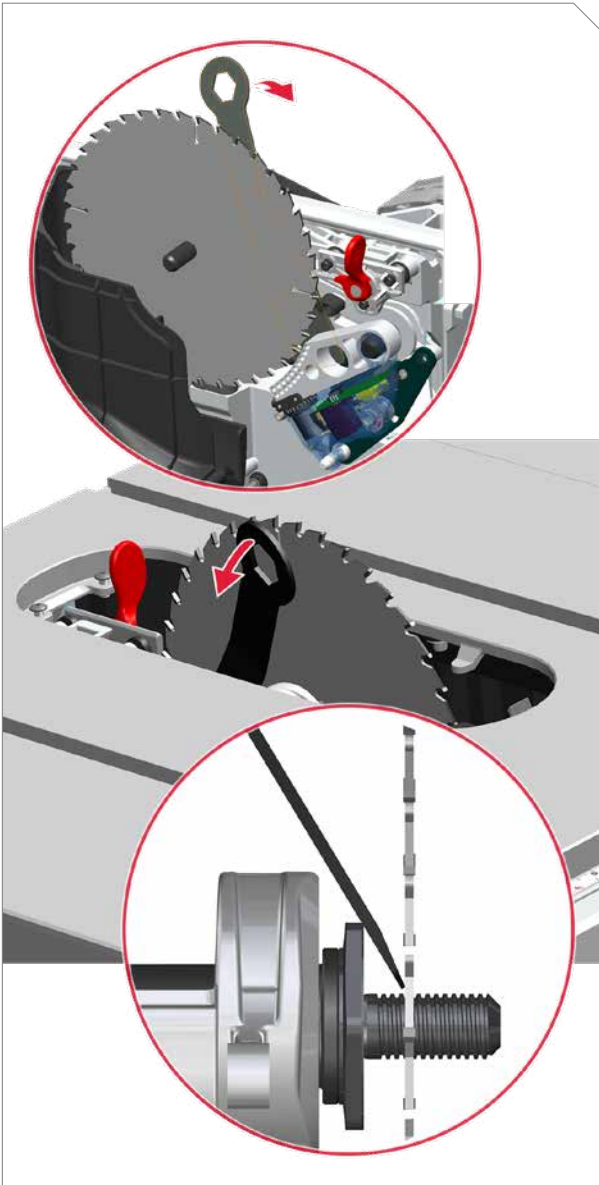
1

Switch power off and unplug the power cord. Rotate elevation handwheel fully counter-clockwise then fully clockwise to reset blade.



2

Remove table insert and riving knife or blade guard. Remove brake key, arbor nut, and washer.



3

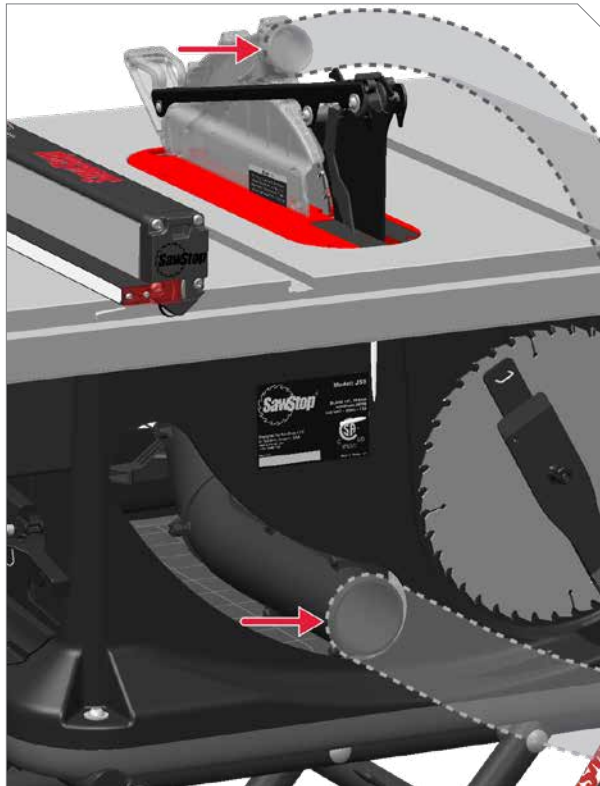
Use blade wrench to push brake slightly toward end of mounting pins.

4

Use blade wrench with beveled end as a lever to push blade slightly toward end of arbor.

Repeat steps 3 and 4 until blade and brake are free. Install a new brake and blade. Reinstall riving knife/blade guard and table insert.

ATTACH DUST COLLECTION



1

Connect suitable dust collector, which provides at least 170 CFM (4800 LPM) of airflow, to rear dust ports on saw and blade guard, using flexible connectors.

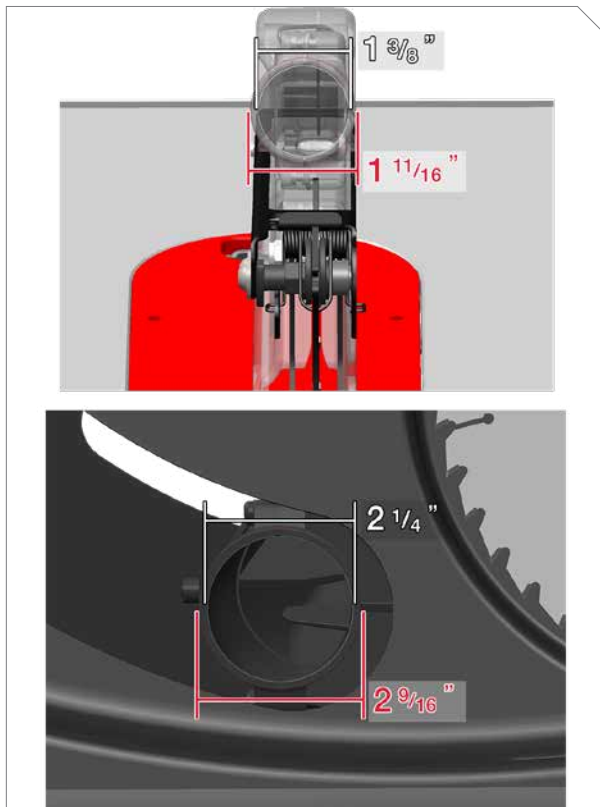
Always use a dust collection system when making cuts.

COLLECTOR SPECIFICATIONS	
Vacuum	170 CFM (4800 LPM)
Hose Diameter, Blade Guard (Inner)	1 3/8" (35 mm)
Hose Diameter, Blade Guard (Outer)	1 11/16" (43 mm)
Hose Diameter, Back of Saw (Inner)	2 1/4" (57 mm)
Hose Diameter, Back of Saw (Outer)	2 9/16" (65 mm)

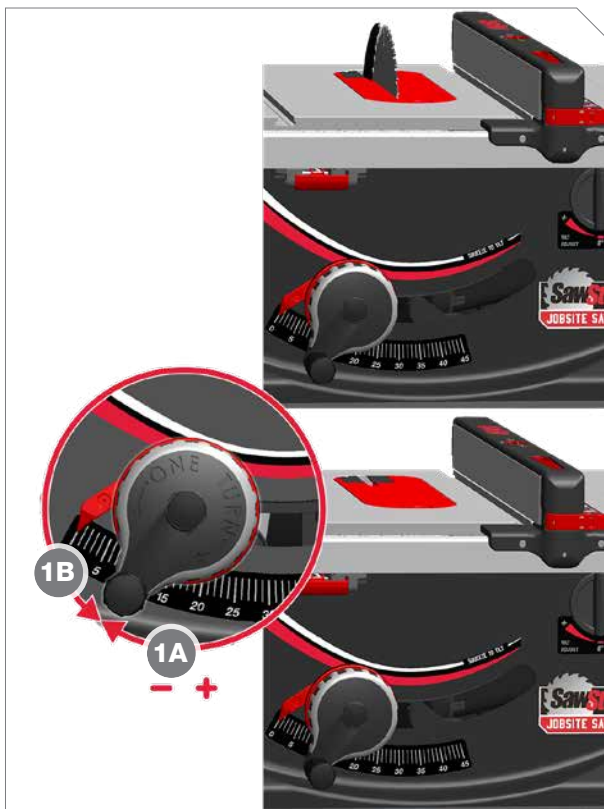
For more information, see *Woodshop Dust Control*, by Sandor Nagyszalanczy, Taunton Press, 2002.



WARNING! Some types of dust created by sawing, power sanding, grinding, drilling, and other construction activities contain chemicals known to cause cancer, birth defects or other reproductive toxicity or harm. Some examples of these chemicals are lead from lead-based paints, crystalline silica from bricks, cement, and other masonry products, and arsenic and chromium from chemically treated lumber. In addition, wood dust has been listed as a known human carcinogen by the U.S. government. The risk from exposure to these chemicals and to dust varies depending on how often you do this type of work. To reduce your exposure, work in a well ventilated area and work with approved safety equipment including dust masks or respirators designed to filter out such dust and chemicals.

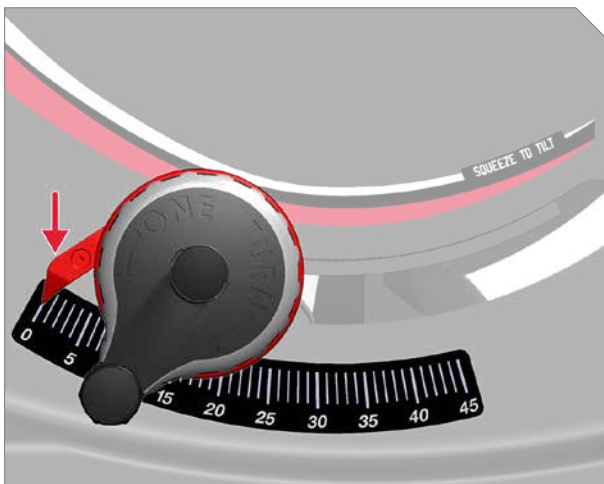


SET BLADE ELEVATION AND TILT



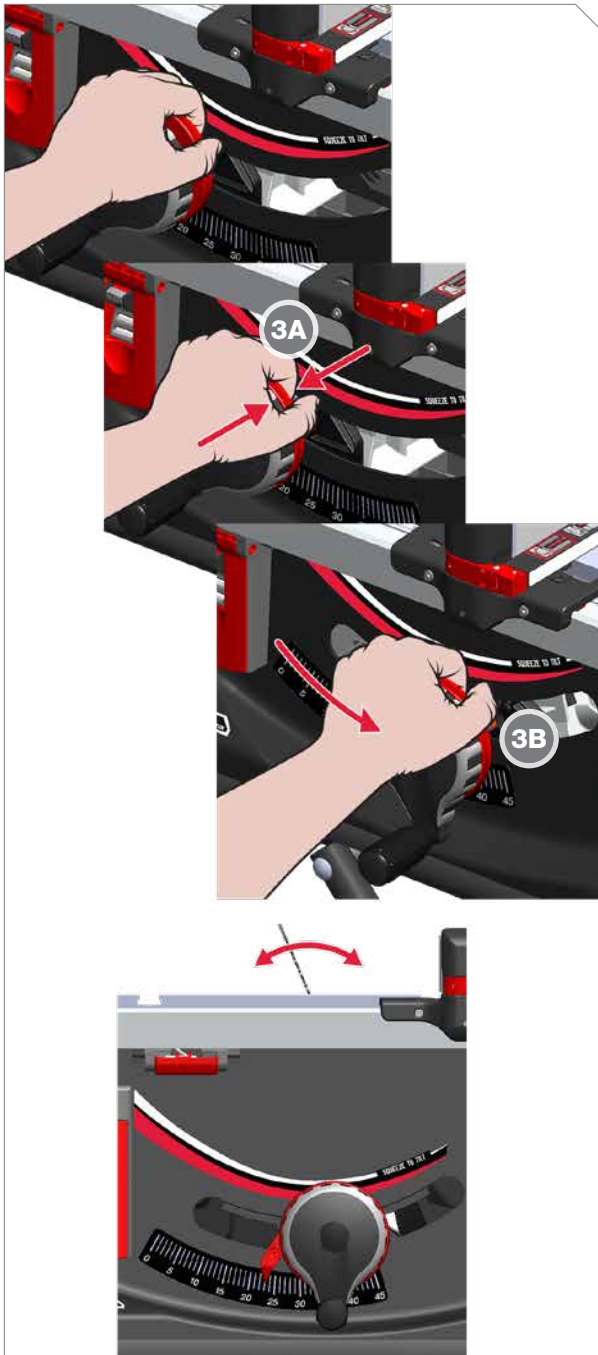
1

Rotate elevation hand wheel clockwise (1A) to raise blade, or counter-clockwise (1B) to lower blade. A single rotation adjusts blade elevation from fully lowered to fully raised, and vice versa.



2

Blade tilt angle is indicated by position of red pointer over tilt scale.



3

Change tilt angle by squeezing backplate against hand wheel (3A) and sliding hand wheel to side (3B) . Release backplate to lock blade in place. This adjusts tilt angle in single degree increments.



4

Adjust tilt angle in fractional degree increments by rotating tilt adjustment knob.

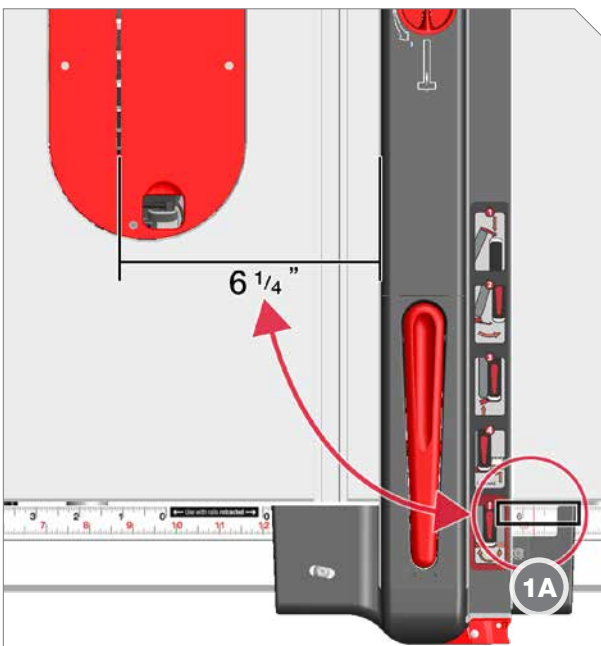


Never use the fence on the left side of the blade when making a bevel cut (the blade is tilted). The cut piece can bind between the fence and blade and could result in injury or damage the saw. Further, the blade could contact the fence resulting in damage and brake activation.

RIP FENCE AND EXTENSION TABLE



Use fence to guide material during rip cuts.



1

Use the red indicator line (1A) to determine the cutting width.