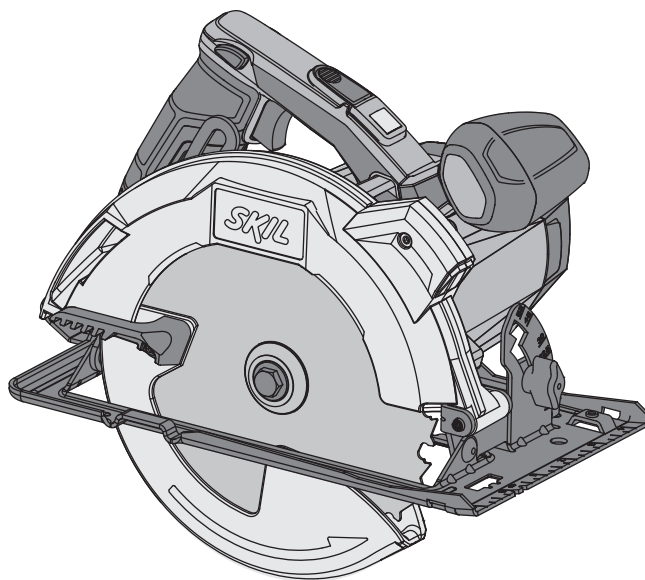


**IMPORTANT:**  
**Read Before Using**



## **Operating/Safety Instructions**





**5280**




**SKIL<sup>®</sup>**

## Safety Symbols

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
	DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.
	WARNING indicates a hazardous situation which, if not avoided, will result in death or serious injury.
	CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, will result in minor or moderate injury.

## General Power Tool Safety Warnings

 **Read all safety warnings and all instructions.** Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

### SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

#### Work area safety

**Keep work area clean and well lit.** Cluttered or dark areas invite accidents.

**Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.

**Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

#### Electrical safety

**Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.

**Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.

**Do not expose power tools to rain or wet conditions.** Water entering a power tool will

increase the risk of electric shock.

**Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.

**When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

**If operating a power tool in a damp location is unavoidable, use a Ground Fault Circuit Interrupter (GFCI) protected supply.** Use of an GFCI reduces the risk of electric shock.

#### Personal safety

**Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.

**Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard

hat, or hearing protection used for appropriate conditions will reduce personal injuries.

**Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and / or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.

**Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

**Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.

**Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.

**If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

### **Power tool use and care**

**Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.

**Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is

dangerous and must be repaired.

**Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

**Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.

**Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.

**Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

**Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

### **Service**

**Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

## **Safety Rules for Circular Saws**

**⚠ WARNING** Read all safety warnings and all instructions.

**⚠ DANGER** Keep hands away from cutting area and the blade. Keep your second hand on auxiliary handle, or motor housing. If both hands are holding the saw, they cannot be cut by the blade.

**Do not reach underneath the workpiece.** The guard cannot protect you from the blade below the workpiece.

**Adjust the cutting depth to the thickness of the workpiece.** Less than a full tooth of the blade teeth should be visible below the workpiece.

**Never hold piece being cut in your hands or across your leg. Secure the workpiece to a**

**stable platform.** It is important to support the work properly to minimize body exposure, blade binding, or loss of control.

**Hold the power tool by insulated gripping surfaces only, when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a "live" wire will also make exposed metal parts of the power tool "live" and could give the operator an electric shock.

**When ripping, always use a rip fence or straight edge guide.** This improves the accuracy of cut and reduces the chance of blade binding.

**Always use blades with correct size and shape (diamond versus round) of arbor holes.** Blades that do not match the mounting hardware of the saw will run eccentrically, causing loss of control.

**Never use damaged or incorrect blade washers or bolt.** The blade washers and bolt were specially designed for your saw, for optimum performance and safety of operation.

**Inspect the condition and quality of the wood and remove all nails from lumber before cutting.** Wet lumber, green lumber or pressure treated lumber require special attention during cutting operation to prevent kickback.

**Hold the saw firmly to prevent loss of control.** Figures in this manual illustrate typical hand support of the saw.

**Depending upon use, the switch may not last the life of the saw. If the switch should fail in the "OFF" position, the saw may not start. If it should fail while the saw is running, the saw may not shut off.** If either occurs, unplug the saw immediately and do not use until repaired.

**This circular saw should not be mounted to a table and converted to a table saw.** Circular saws are not designed or intended to be used as table saws.

### **Kickback causes and related warnings**

Kickback is a sudden reaction to a pinched, bound or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator.

When the blade is pinched or bound tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator.

If the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward the operator.

Kickback is the result of tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:

**Maintain a firm grip with both hands on the saw and position your arms to resist kickback forces. Position your body to either side of the blade, but not in line with the blade.** Kickback could cause the saw to jump backwards, but kickback forces can be

controlled by the operator, if proper precautions are taken.

**When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or kickback may occur.** Investigate and take corrective action to eliminate the cause of blade binding.

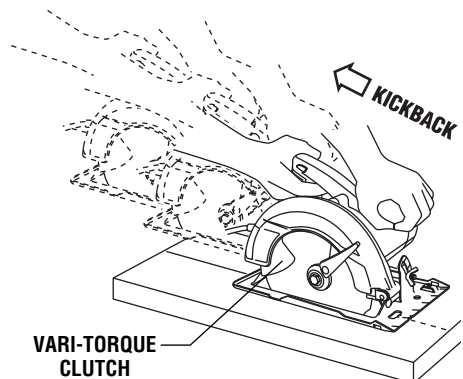
**When restarting a saw in the workpiece, center the saw blade in the kerf and check that saw teeth are not engaged into the material.** If saw blade is binding, it may walk up or kickback from the workpiece as the saw is restarted.

**Support large panels to minimize the risk of blade pinching and kickback.** Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel.

**Do not use dull or damaged blades.** Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding and kickback.

**Blade depth and bevel adjusting locking levers must be tight and secure before making cut.** If blade adjustment shifts while cutting, it may cause binding and kickback.

**Use extra caution when sawing into existing walls or other blind areas.** The protruding blade may cut objects that can cause kickback.



The blade washers and the bolt on your saw have been designed to work as a clutch to reduce the intensity of a kickback. Understand the operation and settings of the VARI-TORQUE CLUTCH. The proper

setting of the clutch, combined with firm handling of the saw will allow you to control kickback.

**Never place your hand behind the saw blade.** Kickback could cause the saw to jump backwards over your hand.

**Do not use the saw with an excessive depth of cut setting.** Too much blade exposure increases the likelihood of the blade twisting in the kerf and increases the surface area of the blade available for pinching that leads to kickback.

### Lower guard function

**Check lower guard for proper closing before each use. Do not operate the saw if lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position.** If saw is accidentally dropped, lower guard may be bent. Raise the lower guard with the lower guard lift lever and make sure it moves freely and does not touch the blade or any other part, in all angles and depths of cut.

**Check the operation of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use.** Lower guard may operate

sluggishly due to damaged parts, gummy deposits, or a build-up of debris.

**Lower guard should be retracted manually only for special cuts such as “Plunge Cuts” and “Compound Cuts”.** Raise lower guard by Lower Guard Lift lever and as soon as blade enters the material, the lower guard must be released. For all other sawing, the lower guard should operate automatically.

**Always observe that the lower guard is covering the blade before placing saw down on bench or floor.** An unprotected, coasting blade will cause the saw to walk backwards, cutting whatever is in its path. Be aware of the time it takes for the blade to stop after switch is released.

**Do not run the tool while carrying it at your side. Lower guard may be opened by a contact with your clothing.** Accidental contact with the spinning saw blade could result in serious personal injury.

**Periodically remove the blade, clean the upper, lower guards and the hub area with kerosene and wipe it dry, or blow it clean with compressed air.** Preventive maintenance and properly operating guard will reduce the probability of an accident

## Additional Safety Warnings

GFCI and personal protection devices like electrician’s rubber gloves and footwear will further enhance your personal safety.

**Do not use AC only rated tools with a DC power supply.** While the tool may appear to work, the electrical components of the AC rated tool are likely to fail and create a hazard to the operator.

**Keep handles dry, clean and free from oil and grease.** Slippery hands cannot safely control the power tool.

**Use clamps or another practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body leaves it unstable and may lead to loss of control.

**Develop a periodic maintenance schedule for your tool. When cleaning a tool be careful not to disassemble any portion of the tool since internal wires may be misplaced or pinched or safety guard return springs may be improperly mounted.** Certain cleaning agents such as gasoline, carbon tetrachloride, ammonia, etc. may damage plastic parts.

Risk of injury to user. The power cord must only be serviced by a Skil Factory Service Center or Authorized Skil Service Station.






**⚠ WARNING** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints,
- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

## Symbols

**IMPORTANT:** Some of the following symbols may be used on your tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

Symbol	Designation / Explanation
V	Volts (voltage)
A	Amperes (current)
Hz	Hertz (frequency, cycles per second)
W	Watt (power)
kg	Kilograms (weight)
min	Minutes (time)
s	Seconds (time)
∅	Diameter (size of drill bits, grinding wheels, etc.)
$n_0$	No load speed (rotational speed at no load)
$n$	Rated speed (maximum attainable speed)
.../min	Revolutions or reciprocation per minute (revolutions, strokes, surface speed, orbits etc. per minute)
0	Off position (zero speed, zero torque...)
1, 2, 3, ... I, II, III,	Selector settings (speed, torque or position settings. Higher number means greater speed)
0 	Infinitely variable selector with off (speed is increasing from 0 setting)
	Arrow (action in the direction of arrow)
~	Alternating current (type or a characteristic of current)
⋯	Direct current (type or a characteristic of current)
	Alternating or direct current (type or a characteristic of current)
	Class II construction (designates double insulated construction tools)
	Earthing terminal (grounding terminal)

## Symbols (continued)

**IMPORTANT:** Some of the following symbols may be used on your tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

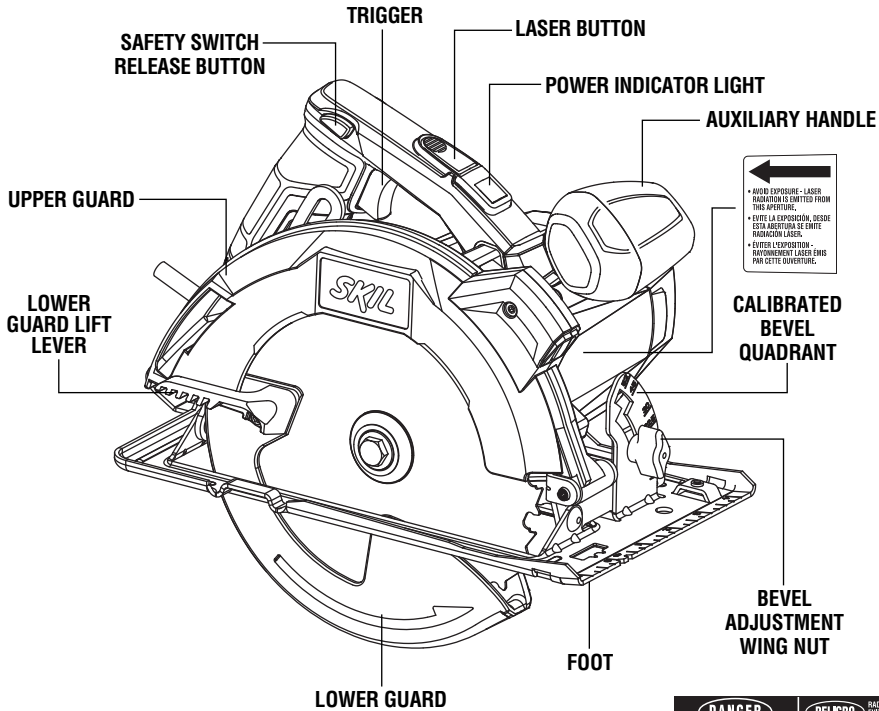
Symbol	Designation / Explanation
	Designates Li-ion battery recycling program
	Designates Ni-Cad battery recycling program
	Alerts user to read manual
	Alerts user to wear eye protection
	This symbol designates that this tool is listed by Underwriters Laboratories.
	This symbol designates that this component is recognized by Underwriters Laboratories.
	This symbol designates that this tool is listed by Underwriters Laboratories, to United States and Canadian Standards.
	This symbol designates that this tool is listed by the Canadian Standards Association.
	This symbol designates that this tool is listed by the Canadian Standards Association, to United States and Canadian Standards.
	This symbol designates that this tool is listed by the Intertek Testing Services, to United States and Canadian Standards.
	This symbol designates that this tool complies to NOM Mexican Standards.

## Functional Description and Specifications

**WARNING** Disconnect the plug from the power source before making any assembly, adjustments or changing accessories. Such preventive safety measures reduce the risk of starting the tool accidentally.

### Circular Saws

FIG. 1



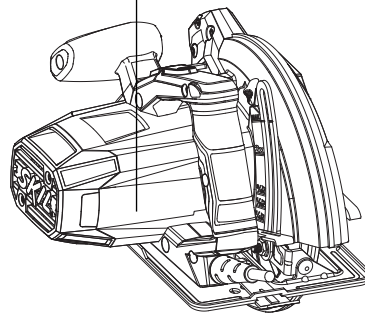
←

- AVOID EXPOSURE - LASER RADIATION IS EMITTED FROM THE FRONT.
- EVITE LA EXPOSICIÓN, DESDE ESTA ANTERIOR DE EMITE RADIACIÓN LASER.
- ÉVITER L'EXPOSITION - RAYONNEMENT LASER ENVS PAR CETTE OUVREURE.

**⚠ DANGER** LASER RADIATION - AVOID DIRECT EYE EXPOSURE  
**⚠ PELIGRO** RADIACIÓN LASER: EVITE LA EXPOSICIÓN DIRECTA DE LOS OJOS  
**⚠ DANGER** RAYONNEMENT LASER - ÉVITER EN EXPOSER DIRECTEMENT LES YEUX  
 WAVELENGTH: 650 nm  
 Max. Output: < 5 mW  
 CLASS IIIa LASER PRODUCT  
 COMPLIES WITH FDA 21CFR104.11 AND 1048.11

<b>Model number</b>	5280
<b>Maximum Capacities</b>	
Blade	7-1/4"
Blade arbor hole	5/8" Round
Depth of cut at 90°	2-7/16"
Depth of cut at 45°	1-15/16"
Depth of cut at 51°	1-11/16"

**NOTE:** For tool specifications refer to the nameplate on your tool.



## Assembly

### ATTACHING THE BLADE

**⚠️ WARNING** Disconnect the plug from the power source before making any assembly, adjustments or changing accessories. Such preventive safety measures reduce the risk of starting the tool accidentally.

**⚠️ WARNING** Use only 7 1/4" blade rated 5300/min (RPM) or greater.

Using blade not designed for the saw may result in serious personal injury and property damage.

1. Press the lock button and turn wrench until lock button engages. Saw shaft is now locked. Continue to depress button, turn wrench counter-clockwise and remove BLADE STUD and OUTER WASHER (Fig. 2).

2. Make sure the saw teeth and arrow on the blade point in the same direction as the arrow on the lower guard.

3. Retract the lower guard all the way up into the upper guard. While retracting the lower guard, check operation and condition of the LOWER GUARD SPRING.

4. Slide blade through slot in the foot and mount it against the INNER WASHER on the

shaft. Be sure the large diameter of the INNER and OUTER washers lay flush against the blade.

5. Reinstall OUTER WASHER. First tighten BLADE STUD finger tight, then TIGHTEN BLADE STUD 1/8 TURN (45°) WITH THE WRENCH PROVIDED.

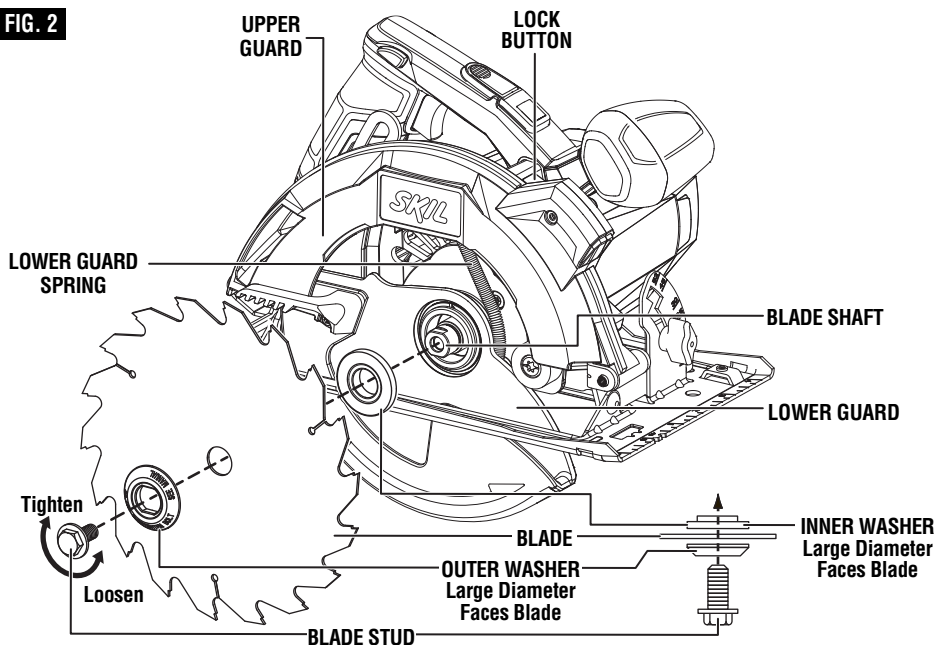
Do not use wrenches with longer handles, since it may lead to over tightening of the blade stud.

### VARI-TORQUE CLUTCH

This clutching action is provided by the friction of the OUTER WASHER against the BLADE and permits the blade shaft to turn when the blade encounters excessive resistance. When the BLADE STUD is properly tightened (as described in No. 5 of Attaching The Blade), the blade will slip when it encounters excessive resistance, thus reducing saw's tendency to KICKBACK.

One setting may not be sufficient for cutting all materials. If excessive blade slippage occurs, tighten the blade stud a fraction of a turn more (less than 1/8 turn). OVERTIGHTENING THE BLADE STUD NULLIFIES THE EFFECTIVENESS OF THE CLUTCH.

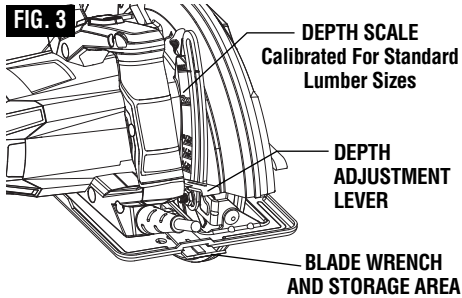
FIG. 2



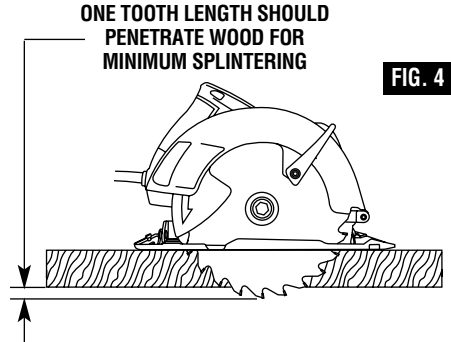
## Operating Instructions

### DEPTH ADJUSTMENT

Disconnect plug from power source. Loosen the depth adjustment lever located between the guard and handle of saw. Hold the foot down with one hand and raise or lower saw by the handle. Tighten lever at the depth setting

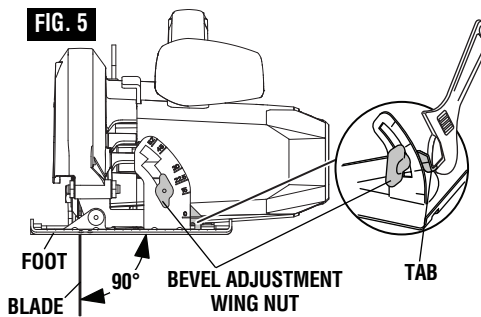


desired. Check desired depth (Fig. 3). Not more than one tooth length of the blade should extend below the material to be cut, for minimum splintering (Fig. 4).



### 90° CUTTING ANGLE CHECK

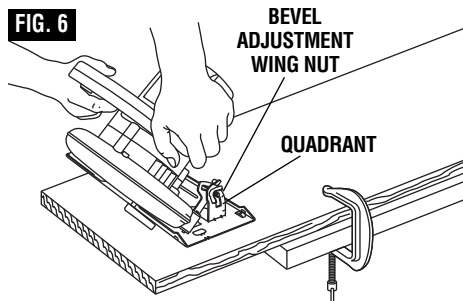
Disconnect plug from power source. Set foot to maximum depth of cut setting. Loosen bevel adjustment wing nut, set to 0° on quadrant, retighten wing nut and check for 90° angle between the blade and bottom plane of foot with a square (Fig. 5). If adjustment is necessary, tilt foot to 45°, tighten bevel adjustment wing nut and bend "TAB" with an adjustable wrench or pliers (Fig. 5).



### BEVEL ADJUSTMENT

Disconnect plug from power source. The foot can be adjusted up to 45° by loosening the bevel adjustment wing nut at the front of the saw. Align to desired angle on calibrated quadrant. Then tighten bevel adjustment wing nut (Fig. 6).

**⚠ WARNING** Because of the increased amount of blade engagement in the work and decreased stability of the foot, blade binding may occur. Keep the saw steady and the foot firmly on the workpiece.



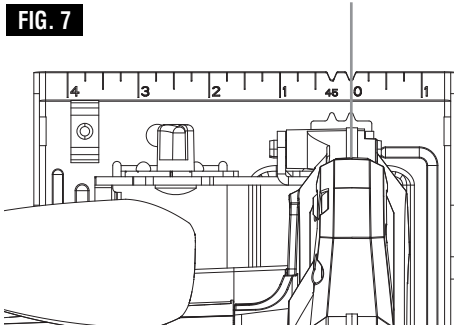
### USING THE LASER LINE GUIDE

Your tool is equipped with a laser line guide that will turn on whenever the tool is plugged in and the laser button is pushed in (Fig. 1).

The laser line is pre-set at the factory to the kerf of the blade supplied with your saw.

If using the laser line guide for cutting you do not need the line guide incorporated in the foot as it may be in a different setting than the laser line guide.

**FIG. 7**



The laser light guide is a class IIIA laser with a maximum output power of 5.0 mWatts and conforms to 21 CFR 1040.10 and 1040.11.

**⚠ DANGER LASER RADIATION. AVOID DIRECT EYE EXPOSURE. DO NOT stare into the laser light source. Never aim light at another person or object other than the workpiece.** Laser light can damage your eyes.

**⚠ WARNING DO NOT use tinted glasses to enhance the laser light.** Tinted glasses will reduce overall vision for the application and interfere with the normal operation of the tool.

**⚠ WARNING** Never aim the beam at a workpiece with a reflective surface. Bright shiny reflective sheet steel or similar reflective surfaces are not recommended for laser use. Reflective surfaces could direct the beam back toward the operator.

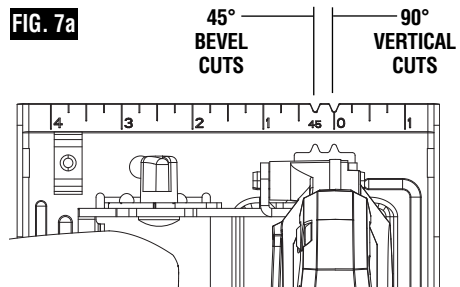
**⚠ CAUTION** Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

**⚠ CAUTION** The use of optical instruments with this product will increase eye hazards.

### USING THE GUIDE NOTCHES WITHOUT LASER LINE

For a straight 90° cut, use right side of notch in the foot. For 45° bevel cuts, use the left side (Fig. 7a). The cutting guide notch will give an approximate line of cut. Make sample cuts in scrap lumber to verify actual line of cut. This will be helpful because of the number of different blade types and thicknesses available. To ensure minimum splintering on the good side of the material to be cut, face the good side down.

**FIG. 7a**



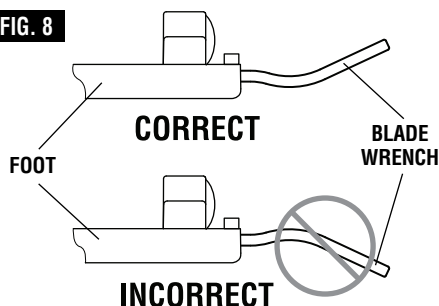
<b>⚠ DANGER</b>	<b>⚠ PELIGRO</b>	RADIACIÓN LÁSER: EVITE LA EXPOSICIÓN DIRECTA DE LOS OJOS
 LASER RADIATION - AVOID DIRECT EYE EXPOSURE	<b>⚠ DANGER</b>	RAYONNEMENT LASER - ÉVITER D'Y EXPOSER DIRECTEMENT LES YEUX
WAVELENGTH: 650 nm Max. Output: < 5 mW CLASS IIIa LASER PRODUCT		COMPLIES WITH FDA 21CFR1040.10 AND 1040.11

## WRENCH STORAGE

Wrench storage is provided on the tool (Fig. 3). Wrench is fully seated when second lock detent is engaged.

**CAUTION** Wrench needs to be inserted with the correct orientation (Fig. 8). Damage to work piece could occur if inserted incorrectly.

FIG. 8



## POWER INDICATOR LIGHT

When you plug your tool into the power source, the power indicator light will go "ON" indicating the tool is receiving power (Fig. 1).

## SAFETY SWITCH

The safety switch is designed to prevent accidental starts. To operate safety switch, press the release button with your thumb on either side of handle to disengage the lock, then pull the trigger (Fig. 1). When the trigger is released the button will engage the safety switch automatically, and the trigger will no longer operate. (See SWITCH and GENERAL CUTS.)

## SWITCH

**WARNING** When starting the tool, hold it with both hands.

The torque from the motor can cause the tool to twist.

To turn tool on, press the safety switch release button with your thumb on either side of handle to disengage the lock, then pull the trigger (Fig. 1). To turn the tool off, release the trigger switch, which is spring loaded and will return to the off position automatically.

Your saw should be running at full speed BEFORE starting the cut, and turned off only AFTER completing the cut. To increase switch life, do not turn switch on and off while cutting.

## GENERAL CUTS

Always hold the saw handle with one hand and the auxiliary handle or housing with the other.

**WARNING** Always be sure either hand does not interfere with the free movement of the lower guard.

Maintain a firm grip and operate the switch with a decisive action. Never force the saw. Use light and continuous pressure.

**WARNING** After completing a cut and the trigger has been released, be aware of the necessary time it takes for the blade to come to a complete stop during coast down. Do not allow the saw to brush against your leg or side, since the lower guard is retractable, it could catch on your clothing and expose the blade. Be aware of the necessary blade exposures that exist in both the upper and lower guard areas.

When cutting is interrupted, to resume cutting: squeeze the trigger and allow the blade to reach full speed, re-enter the cut slowly and resume cutting.

When cutting across the grain, the fibers of the wood have a tendency to tear and lift. Advancing the saw slowly minimizes this effect. For a finished cut, a cross cut blade or miter blade is recommended.

## CUTTING MASONRY/METAL

This tool is not designed for use with metal or masonry cut-off wheels.

**WARNING** Do not use abrasive wheels with circular saws. Abrasive dust may cause lower guard to fail.

### PLUNGE CUTS

Disconnect the plug from the power source before making adjustments. Set depth adjustment according to material to be cut. Reconnect the plug to power source.

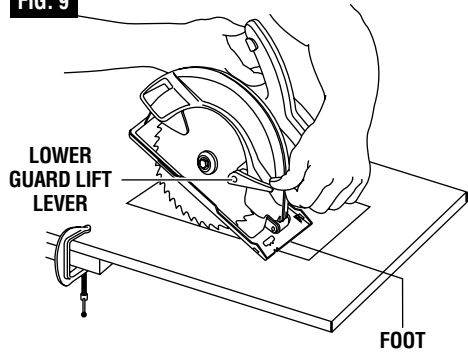
Hold the main handle of the saw with one hand, tilt saw forward and rest front of the foot plate on material to be cut. Line up the cutting guide notch with the line you've drawn. Raise the lower guard using lower guard lift lever and hold the front of the foot plate with the other hand. (Fig. 9).

Position the saw with the blade just clearing the material to be cut. Start the motor and once fully up to speed, gradually lower the back end of saw using the front end of the foot as the hinge point.

**WARNING** Once the foot plate rests flat on the surface being cut, release the lower guard and move the hand holding the front of the foot plate to hold the auxiliary handle. Proceed cutting in forward direction to end of cut.

**WARNING** Allow blade to come to a complete stop before lifting the saw from cut. Also, never pull the saw backward since blade will climb out of the material and KICKBACK will occur. Turn saw around and finish the cut in the normal manner, sawing forward. If corners of your plunge cut are not completely cut through, use a jigsaw or hand saw to finish the corners.

FIG. 9



### CUTTING LARGE SHEETS

Large sheets and long boards sag or bend, depending on support. If you attempt to cut without leveling and properly supporting the piece, the blade will tend to bind, causing KICKBACK and extra load on the motor (Fig. 10).

Support the panel or board close to the cut, as shown in (Fig. 11). Be sure to set the depth of the cut so that you cut through the sheet or

board only and not the table or work bench. The two-by-fours used to raise and support the work should be positioned so that the broadest sides support the work and rest on the table or bench. Do not support the work with the narrow sides as this is an unsteady arrangement. If the sheet or board to be cut is too large for a table or work bench, use the supporting two-by-fours on the floor and secure.

FIG. 10

WRONG

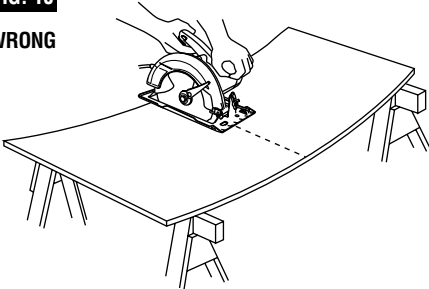
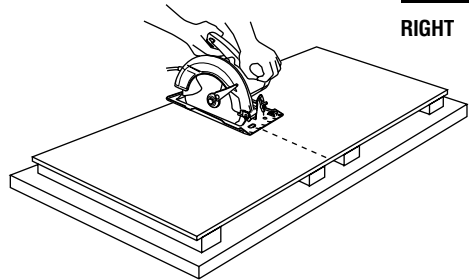


FIG. 11

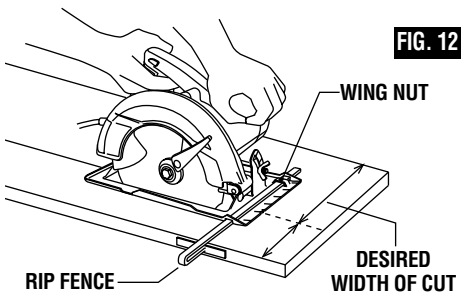
RIGHT



## RIP CUTS

The combination blade provided with your saw is for both cross cuts and rip cuts. Ripping is cutting lengthwise with the grain of the wood. Rip cuts are easy to do with a rip fence (Fig. 12). Rip Fence is available as an accessory (not included). To attach fence, insert fence through slots in foot to desired width as shown and secure with the wing nut (not included).

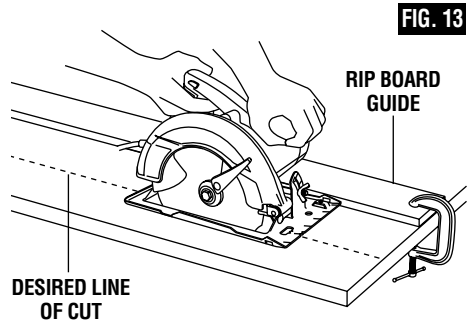
**⚠ WARNING** Ensure rip fence does not interfere with the free movement of the lower guard and saw blade. Rip fence contacting lower guard or blade can cause property damage and serious personal injury.



## RIP BOARD GUIDE

When rip cutting large sheets, the rip fence may not allow the desired width of cut. Clamp or nail a straight piece of 1" (25 mm) lumber to the sheet as a guide (Fig. 13). Use the right side of the foot against the board guide.

**⚠ WARNING** Ensure the clamps do not interfere with the free movement of the saw.



## Maintenance

### Service

**⚠ WARNING** Preventive maintenance performed by unauthorized personnel may result in misplacing of internal wires and components which could cause serious hazard. We recommend that all tool service be performed by a Bosch Factory Service Center or Authorized Bosch Service Station.

### TOOL LUBRICATION

Your Skil tool has been properly lubricated and is ready to use. It is recommended that tools with gears be regreased with a special gear lubricant at every brush change.

### CARBON BRUSHES

The brushes and commutator in your tool have been engineered for many hours of dependable service. To maintain peak efficiency of the motor, we recommend every two to six months the brushes be examined. Only genuine Skil replacement brushes specially designed for your tool should be used.

### BEARINGS

Bearings which become noisy (due to heavy load or very abrasive material cutting) should be replaced at once to avoid overheating or motor failure.

### Cleaning

**⚠ WARNING** To avoid accidents always disconnect the tool from the power supply before cleaning or performing any maintenance. The tool may be cleaned most effectively with compressed dry air. Always wear safety goggles when cleaning tools with compressed air.

Ventilation openings and switch levers must be kept clean and free of foreign matter. Do not attempt to clean by inserting pointed objects through openings.

**⚠ CAUTION** Certain cleaning agents and solvents damage plastic parts. Some of these are: gasoline, carbon tetrachloride, chlorinated cleaning solvents, ammonia and household detergents that contain ammonia.

### CARE OF BLADES

Blades become dull even from cutting regular lumber. If you find yourself forcing the saw forward to cut instead of just guiding it through the cut, chances are the blade is dull or coated with wood pitch.

When cleaning gum and wood pitch from blade, unplug the saw and remove the blade. Remember, blades are designed to cut, so handle carefully. Wipe the blade with kerosene or similar solvent to remove the gum and pitch. Unless you are experienced in sharpening blades, we recommend you do not try.

## Extension Cords

**⚠ WARNING** If an extension cord is necessary, a cord with adequate size conductors that is capable of carrying the current necessary for your tool must be used. This will prevent excessive voltage drop, loss of power or overheating. Grounded tools must use 3-wire extension cords that have 3-prong plugs and receptacles.

**NOTE:** The smaller the gauge number, the heavier the cord.

RECOMMENDED SIZES OF EXTENSION CORDS  
120 VOLT ALTERNATING CURRENT TOOLS

Tool's Ampere Rating	Cord Size in A.W.G.				Wire Sizes in mm <sup>2</sup>			
	Cord Length in Feet				Cord Length in Meters			
	25	50	100	150	15	30	60	120
3-6	18	16	16	14	0.75	0.75	1.5	2.5
6-8	18	16	14	12	0.75	1.0	2.5	4.0
8-10	18	16	14	12	0.75	1.0	2.5	4.0
10-12	16	16	14	12	1.0	2.5	4.0	—
12-16	14	12	—	—	—	—	—	—

## Accessories

**⚠ WARNING** The use of any other accessories not specified in this manual may create a hazard.

- \* Blade 1619X09434
- \* Wrench 1619X07602
- \*\* Rip Fence 95100
- \*\* Carrying bag 1619X09514
- (\* = standard equipment)
- (\*\* = optional accessories)

## Troubleshooting



**WARNING** Read instruction manual first! Remove plug from the power source before making adjustments or assembling the blade.

- PROBLEM**      **TROUBLE: SAW WILL NOT START**
1. Power cord is not plugged in.
  2. Power source fuse or circuit breaker tripped.
  3. Cord damaged.
  4. Burned out switch.
  5. Trigger does not turn tool on.
- REMEDY**
1. Plug saw in.
  2. Replace fuse or reset tripped circuit breaker.
  3. Inspect cord for damage. If damaged, have cord replaced by an Authorized Skil Service Center or Service Station.
  4. Have switch replaced by an Authorized Skil Service Center or Service Station.
  5. Disengage Safety Switch as described on page 12
- PROBLEM**      **TROUBLE: BLADE DOES NOT COME UP TO SPEED**
1. Extension cord too light or too long.
  2. Low house voltage.
- REMEDY**
1. Replace with adequate cord.
  2. Contact your electric company.
- PROBLEM**      **TROUBLE: EXCESSIVE VIBRATION**
1. Blade out of balance.
  2. Workpiece not clamped or supported properly.
- REMEDY**
1. Discard Blade and use different blade.
  2. Clamp or support workpiece as shown on pages 10 and 13.
- PROBLEM**      **TROUBLE: CANNOT MAKE SQUARE CUT WHEN CROSSCUTTING**
1. Foot not adjusted properly.
- REMEDY**
1. See "Operating Instructions" section, "Bevel Adjustment" (page 10), "Line Guide" (page 11), "Cutting Large Sheets (page 13) and "Rip Cuts" (page 14).
- PROBLEM**      **TROUBLE: CUT BINDS, BURNS, STALLS MOTOR WHEN RIPPING**
1. Dull blade with improper tooth set.
  2. Warped board.
  3. Blade binds.
  4. Improper workpiece support.
- REMEDY**
1. Discard blade and use a different blade.
  2. Make sure concave or hollow side is facing "DOWN" feed slowly, see page 13.
  3. Assemble blade and tighten Vari-Torque clutch per "Assembly Instructions", see page 9.
  4. Clamp or support workpiece as shown on pages 10 and 13.
- PROBLEM**      **TROUBLE: BLADE SLIPPING**
1. Tool does not cut workpiece.
- REMEDY**
1. Assemble blade and tighten Vari-Torque clutch per "Assembly Instructions", see page 9.