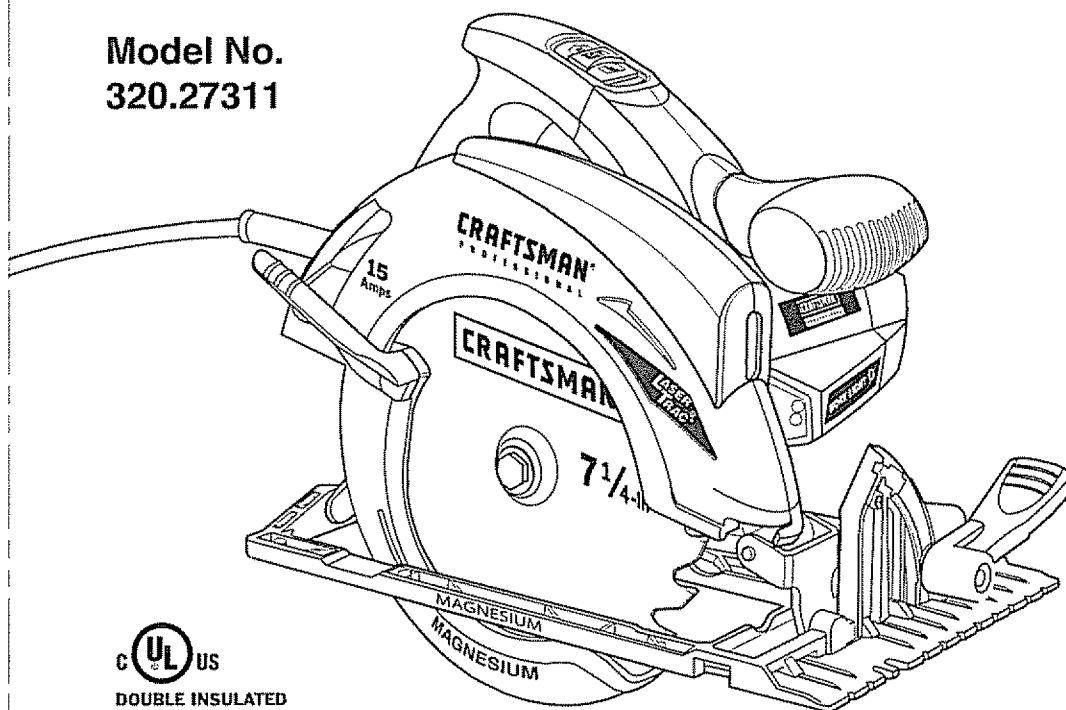


Operator's Manual



15 Amp 7 1/4-in. Circular Saw with Laser Trac™

Model No.
320.27311



⚠ CAUTION Read, understand and follow all Safety Rules and Operating Instructions in this Manual before using this product.

Sears, Roebuck and Co.,
Hoffman Estates, IL 60179 U.S.A.
Visit our Craftsman website: www.craftsman.com

- WARRANTY
- SAFETY
- UNPACKING
- DESCRIPTION
- OPERATION
- ADJUSTMENTS
- MAINTENANCE

TABLE OF CONTENTS

Warranty	Page 2
Safety Symbols	Page 3
Safety Instructions	Pages 4 - 11
Glossary of Terms	Pages 11 - 12
Unpacking	Pages 12 - 13
Description	Pages 13 - 15
Operation	Pages 15 - 25
Adjustments	Page 26 - 27
Maintenance	Pages 27 - 29
Troubleshooting	Page 30
Accessories	Page 30
Repair Parts	Pages 31 - 34
Sears Repair Parts Phone Numbers	Back Cover

ONE YEAR FULL WARRANTY ON CRAFTSMAN PROFESSIONAL TOOL

If this Craftsman Professional Tool fails due to a defect in material or workmanship within one year from the date of purchase, **RETURN IT TO ANY SEARS STORE OR PARTS AND REPAIR CENTER OR OTHER CRAFTSMAN OUTLET IN THE UNITED STATES FOR FREE REPAIR (OR REPLACEMENT IF REPAIR PROVES IMPOSSIBLE).**

This warranty does not include expendable parts such as lamps, batteries, bits or blades.

This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

Sears, Roebuck and Co., Hoffman Estates, IL 60179

SAVE THESE INSTRUCTIONS!
READ ALL INSTRUCTIONS!

SAFETY SYMBOLS

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols, and the explanations with them, deserve your careful attention and understanding. The symbol warnings **DO NOT** by themselves eliminate any danger. The instructions and warnings they give are no substitutes for proper accident prevention measures.

 **WARNING:** BE SURE to read and understand all safety instructions in this manual, including all safety alert symbols such as "DANGER", "WARNING" and "CAUTION", BEFORE using this saw. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

SYMBOL MEANING



SAFETY ALERT SYMBOL: Indicates DANGER, WARNING, OR CAUTION. May be used in conjunction with other symbols or pictographs.



Failure to obey this safety warning **WILL** result in death or serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.



Failure to obey this safety warning **CAN** result in death or serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.



Failure to obey this safety warning **MAY** result in personal injury to yourself or others or property damage. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.

DAMAGE PREVENTION AND INFORMATION MESSAGES

These inform user of important information and/or instructions that could lead to equipment or other property damage if not followed. Each message is preceded by the word "NOTE:" as in the example below:

NOTE: Equipment and/or property damage may result if these instructions are not followed.



 **WARNING:** The operation of any tool with a circular blade can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, **ALWAYS** wear safety goggles or safety glasses with side shield and a full-face shield when needed. We recommend a Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shield, available at Sears Stores or other Craftsman Outlets.

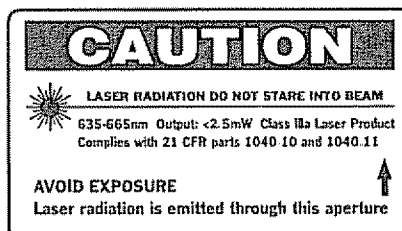
SAFETY INSTRUCTIONS

⚠ WARNING: BE SURE to read and understand all instructions in this manual before using this circular saw. Failure to follow all instructions may result in hazardous radiation exposure, electric shock, fire and/or serious personal injury.

SAFETY PRECAUTIONS FOR LASERS

This circular saw has a built-in laser light. The laser is a Class IIIa and emits output power of a maximum 2.5mW and 635-665nm wavelengths. These lasers do not normally present an optical hazard. However, **DO NOT** stare at the beam as this can cause flash blindness.

The following label is on your tool. It indicates where the saw emits the laser light. **BE AWARE** of the laser light location when using. **ALWAYS MAKE SURE** that any bystanders in the vicinity of use are made aware of the dangers of looking directly into the laser.



⚠ WARNING: LASER LIGHT. LASER RADIATION. Avoid Direct Eye Exposure. **DO NOT** stare into beam. Only turn laser beam on when the saw is on the workpiece. Class IIIa laser.

⚠ WARNING: Use of controls, adjustments or performance of procedures other than those specified in this manual may result in hazardous radiation exposure.

⚠ WARNING: The use of optical instruments such as, but not limited to, telescopes or transits to view the laser beam will increase eye hazard.

1. **DO NOT** remove or deface any product labels. Removing product labels increases the risk of exposure to laser radiation.
2. The laser beam can be harmful to the eyes. **ALWAYS** avoid direct eye exposure. **DO NOT** look directly into the laser beam output aperture during operation. **DO NOT** project the laser beam directly into the eyes of others. Turn laser on **ONLY** when making cuts.
3. Laser enhancing safety glasses are included to enhance the laser beam in bright light conditions. **DO NOT** wear these glasses if they interfere with the safe operation of this saw.
4. The laser on the circular saw is not a toy. **ALWAYS** keep out of the reach of children. The laser light emitted from this device **SHOULD NEVER** be directed towards any person for any reason.
5. **BE SURE** the laser beam is aimed at a workpiece (such as wood or rough coated surfaces) that does not have a reflective surface.

SAFETY INSTRUCTIONS cont.

SAFETY PRECAUTIONS FOR LASERS cont.

6. **DO NOT** use on surfaces such as sheet steel that have a shiny, reflective surface. The shiny surface could reflect the beam back at the operator. Be aware that laser light reflected off of a mirror or any other reflective surfaces can also be dangerous.
7. **ALWAYS** turn the laser beam off when not in use. Leaving the tool on increases the risk of someone inadvertently staring into the laser's beam.

⚠ CAUTION : ALWAYS follow only the instructions contained in this manual when using this laser. Use of this feature in any manner other than what appears in this manual may result in a hazardous radiation exposure.

8. **DO NOT** attempt to modify the performance of this laser device in any way. This may result in a dangerous exposure to laser radiation.
9. **ALWAYS** use only the accessories that are recommended by Sears for use with this product. Use of accessories that have been designed for use with other laser tools could result in serious injury.
10. For further information regarding lasers, refer to ANSI-Z136.1 The **STANDARD FOR THE SAFE USE OF LASERS**, available from the Laser Institute of America (407) 380-1553.

WORK AREA SAFETY

1. **Keep your work area clean and well lit.** Cluttered workbenches and dark areas invite accidents.
2. **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.
3. **Keep bystanders, children and visitors away while operating a power tool.** Distractions can cause you to lose control.
4. **Make your workshop childproof** with padlocks and master switches. Lock tools away when not in use.
5. **MAKE SURE** the work area has ample lighting so you can see the work and that there are no obstructions that will interfere with safe operation **BEFORE** using your saw.

PERSONAL SAFETY

1. **KNOW your power tool.** Read the operator's manual carefully. Learn the saw's applications and limitations, as well as the specific potential hazards related to this tool.
2. **STAY ALERT,** watch what you are doing and use common sense when operating a power tool.
3. **DO NOT** use tool while tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
4. **DRESS properly. DO NOT** wear loose clothing or jewelry. Pull back long hair. Keep your hair, clothing, and gloves away from moving parts. Air vents often cover moving parts and should also be avoided. Loose clothing, jewelry or long hair can be caught in moving parts.

SAFETY INSTRUCTIONS cont.

PERSONAL SAFETY cont.

5. **AVOID** accidental starting. Be sure switch is in "OFF" position before plugging in. **DO NOT** carry tools with your finger on the switch. Carrying tools with your finger on the switch or plugging in tools that have the switch in the "ON" position invites accidents.
6. **REMOVE** adjusting keys or wrenches before turning the tool "ON". A wrench that is left attached to a rotating part of the tool may result in personal injury.
7. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.
8. **ALWAYS SECURE YOUR WORK.** Use clamps or a vise to hold work when practical. It is safer than using your hand and frees both hands to operate tool.
9. **USE SAFETY EQUIPMENT.** Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.
10. **DO NOT USE ON A LADDER or unstable support.** Stable footing on a solid surface enables better control of the tool in unexpected situations.

TOOL USE AND CARE SAFETY

⚠ WARNING: BE SURE to read and understand all instructions before operating this saw. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

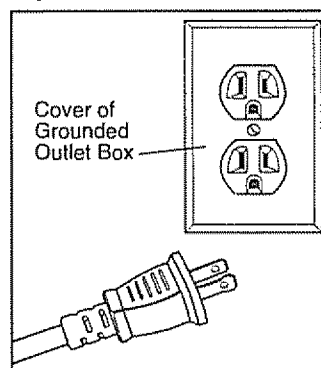
1. **ALWAYS use clamps or other practical ways to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.
2. **DO NOT force the tool. Use the correct tool and blade for your application.**
The correct tool and blade will do the job better and safer at the rate for which it is designed.
3. **DO NOT use the tool if switch does not turn it "On" or "Off".** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
4. **DISCONNECT the plug from the power source before making any adjustments, changing accessories or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
5. **NEVER leave the tool running. ALWAYS turn it off. DO NOT** leave the tool until it comes to a complete stop.
6. **STORE idle tools out of the reach of children and other untrained persons.**
Tools are dangerous in the hands of untrained users.
7. **MAINTAIN tools with care. Keep cutting tools sharp and clean.** Properly maintained tools with sharp cutting edges are less likely to bind and are easier to control.
8. **CHECK for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.
9. **USE ONLY accessories that are recommended for this tool.** Accessories that may be suitable for one tool may become hazardous when used on another tool.

SAFETY INSTRUCTIONS cont.

ELECTRICAL SAFETY

⚠ WARNING: Do not permit fingers to touch the terminals of plug when installing or removing the plug from the outlet.

1. Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a **qualified electrician** to install a polarized outlet. Do not change the plug in any way.
2. Double insulation  eliminates the need for the three-wire grounded power cord and grounded power supply system. Applicable only to Class II (double-insulated) tools. **This circular saw is a double insulated tool.**



⚠ WARNING: Double insulation **DOES NOT** take the place of normal safety precautions when operating this tool.

3. **BEFORE** plugging in the tool, **BE SURE** that the outlet voltage supplied is within the voltage marked on the tool's data plate. **DO NOT** use "AC only" rated tools with a DC power supply.
4. **AVOID** body contact with grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
5. **DO NOT** expose power tools to rain or wet conditions or use power tools in wet or damp locations. Water entering a power tool will increase the risk of electric shock.
6. **INSPECT** tool cords for damage. Have damaged tool cords repaired at a Sears Service Center. **BE SURE** to stay constantly aware of the cord location and keep it well away from the moving blade.
7. **DO NOT** abuse the cord. **NEVER** use the cord to carry the tool by or pull the plug from the outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.

SAFETY INSTRUCTIONS cont.

EXTENSION CORDS

Use a proper extension cord. **ONLY** use cords listed by Underwriters Laboratories (UL). Other extension cords can cause a drop in line voltage, resulting in a loss of power and overheating of tool. For this tool an AWG (American Wire Gauge) size of at least 14-gauge is recommended for an extension cord of 25-ft. or less in length. Use 12-gauge for an extension cord of 50-ft. **Extension cords 100-ft. or longer are not recommended. Remember, a smaller wire gauge size has greater capacity than a larger number** (14-gauge wire has more capacity than 16-gauge wire; 12-gauge wire has more capacity than 14-gauge). When in doubt use the smaller number. When operating a power tool outdoors, use an outdoor extension cord marked "W-A" or "W". These cords are rated for outdoor use and reduce the risk of electric shock.

⚠ CAUTION: Keep the extension cord clear of the working area. Position the cord so that it will not get caught on lumber, tools or other obstructions while you are working with a power tool.

⚠ WARNING: Check extension cords before each use. If damaged replace immediately. Never use tool with a damaged cord since touching the damaged area could cause electrical shock, resulting in serious injury.

SAFETY SYMBOLS FOR YOUR TOOL

The label on your tool may include the following symbols.

V	Volts
A	Amps
Hz	Hertz
W	Watts
min	Minutes
~	Alternating current
—	Direct current
n o	No-load speed
□	Class II construction, Double Insulated
/min	Revolutions or Strokes per minute
⚠	Indicates danger, warning or caution. It means attention! Your safety is involved.

SERVICE SAFETY

1. If any part of this saw is missing or should break, bend, or fail in any way; or should any electrical component fail to perform properly: **SHUT OFF** the power switch and remove the saw plug from the power source and have the missing, damaged or failed parts replaced **BEFORE** resuming operation.
2. Tool service must be performed only at a Sears Parts and Repair Center. Service or maintenance performed by unqualified personnel could result in a risk of injury.
3. When servicing a tool, use only identical replacement parts. Follow instructions in the maintenance section of this manual. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

SAFETY INSTRUCTIONS cont.

SAFETY RULES FOR CIRCULAR SAWS

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

⚠ CAUTION: Blades coast after saw is switched off.

1. **KEEP** your body positioned to either side of the saw blade and not in direct line with the saw blade. Kickback could cause the saw to jump backwards. (See "Kickback...What Causes It and Ways to Help Prevent It" on pages 16 and 17).
2. **DO NOT** reach underneath the work. The guard cannot protect you from the blade beneath the workpiece.

⚠ DANGER: When sawing through a workpiece, the lower blade guard **DOES NOT** cover the blade on the underside of the workpiece (Pg. 14 Fig. 2). **ALWAYS** keep your hands and fingers away from the cutting area.

3. **CHECK** lower guard for proper closing **BEFORE** each use. **DO NOT** operate the saw if the lower guard does not move freely and close instantly. Never clamp or tie the lower guard in the open position. If the saw is accidentally dropped, the lower guard may be bent. Raise the lower guard with the retracting lever. The guard is operating properly when it moves freely, does not touch the blade or any other part in all angles and depths of cut, and readily returns to the closed position.
4. **CHECK** the operation and condition of the lower guard spring. If the guard and the spring are not operating properly, they **MUST BE** serviced before use. The lower guard may operate sluggishly, due to damaged parts, gummy deposits, or a buildup of debris. **DO NOT** operate your saw until the damage has been repaired or replaced.
5. The lower guard should be retracted manually **ONLY** for making special cuts, such as pocket or compound cuts. **ALWAYS** raise the lower guard by retracting its lever. As soon as the blade enters the material, the lower guard **MUST** be released. For all other sawing, the lower guard should operate automatically.
6. **ALWAYS** make sure that the lower guard is covering the blade **BEFORE** placing the saw down on a work bench or floor. An unprotected moving blade will cause the saw to walk backwards, cutting whatever is in its path. Make note of the time it takes for the blade to stop spinning after the switch is released.
7. **NEVER** hold the piece being cut in your hands or across your legs. It is important to support the workpiece properly in order to minimize body exposure, blade binding, or loss of control.
8. **HOLD TOOL** by insulated gripping surfaces (handles) when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a "live" wire will make the exposed metal parts of the tool "live" and shock the operator.
9. **ALWAYS** clamp the workpiece securely so it will not move when making the cut.
10. When ripping, **ALWAYS** USE a rip fence or straight edge guide. This improves the accuracy of the cut and reduces the chance of the blade binding.
11. **ALWAYS** USE blades that have the correct size and shape (diamond vs. round) arbor holes. Blades that do not match the mounting hardware of the saw will run erratically and cause loss of control.

SAFETY INSTRUCTIONS cont.

SAFETY RULES FOR CIRCULAR SAWS cont.

12. **NEVER** use damaged or incorrect blade washers or bolts. The blade washers and bolts were specially designed for your saw, for optimum performance and safety of operation.
13. **NEVER** cut more than one piece at a time. **DO NOT STACK** more than one workpiece on the worktable at a time.
14. **AVOID** awkward operations and hand positions where a sudden slip could cause your hand to move into the blade.
15. **NEVER** reach into the cutting path of the blade.

 **WARNING:** Use of this product can generate dust containing 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.
- Arsenic and chromium, from chemically treated lumber.

Your risk from these exposures varies, depending upon how often you do this type of work. To reduce your exposure to these chemicals:

- Work in a well-ventilated area
- Work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

Avoid prolonged contact with dust from power sanding, sawing, grinding, drilling and other construction activities. Wear protective clothing and wash exposed areas with soap and water.

Allowing dust to get into your mouth, eyes, or lay on the skin may promote absorption of harmful chemicals.

 **WARNING:** Use of this tool can generate and/or disburse dust, which may cause serious and permanent respiratory or other injury. Always use NIOSH/OSHA approved respiratory protection appropriate for the dust exposure. Direct particles away from face and body.

ADDITIONAL RULES FOR SAFE OPERATION

 **WARNING:** **BE SURE** to read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

1. **Know your power tool. Read operator's manual carefully.** Learn the applications and limitations, as well as the specific potential hazards related to this tool. Following this rule will reduce the risk of electric shock, fire or serious injury.
2. **ALWAYS wear safety glasses or eye shields when using this saw.** Everyday eyeglasses have only impact-resistant lenses; they are **NOT** safety glasses.
3. **PROTECT your lungs.** Wear a face mask or dust mask if the operation is dusty.
4. **PROTECT your hearing.** Wear appropriate personal hearing protection during use. Under some conditions and duration of use, noise from this product may contribute to hearing loss.
5. **ALL VISTORS AND BYSTANDERS MUST** wear the same safety equipment that the operator of the saw wears.

SAFETY INSTRUCTIONS cont.

ADDITIONAL RULES FOR SAFE OPERATION cont.

6. **INSPECT** the tool cords periodically and if damaged have them repaired at your nearest Sears Service Center or other Authorized Service Facility. **BE AWARE** of the cord location.
7. **ALWAYS** check the tool for damaged parts. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine if it will operate properly and perform its intended function. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. A guard or other part that is damaged should be properly repaired or replaced at a Sears Service center.
8. **INSPECT** and remove all nails from lumber before sawing.
9. **SAVE THESE INSTRUCTIONS.** Refer to them frequently and use them to instruct others who may use this tool. If someone borrows this tool, make sure they have these instructions also.

GLOSSARY OF TERMS FOR WOODWORKING

Spindle

The shaft on which a blade or cutting tool is mounted. Also called the Arbor.

Revolutions Per Minute (RPM)

The number of turns completed by a spinning object in one minute

Saw Blade Path

The area over, under, behind or in front of the blade, as it applies to the workpiece. That area which will be or has been cut by the blade.

Set

The distance that the saw blade tooth is bent (or set) outward from the face of the blade.

Miter Cut

A cutting operation made with the blade at any angle other than 90° to the fence

Compound Miter Cut

A compound miter cut is a cut made using a miter angle and a bevel angle at the same time.

Cross cut

A cutting or shaping operation made against the grain of the workpiece.

Bevel Cut

A cutting operation made with the blade at any angle other than 90° to the miter table.

Dado Cut

A non-through cut which produces a square-sided notch or trough in the workpiece (requires special blade).

Chamfer Cut

A cut removing a wedge from a block of wood so the end (or part of the end) is angled at other than 90°.

Ripping or Rip Cut

A cutting operation along the length of the workpiece.

Freehand Cut

Performing a cut without using a fence, miter gauge, fixture, work clamp, or other proper device to keep the workpiece from twisting or moving during the cut.

Through Sawing

Any cutting operation where the blade extends completely through the thickness of the workpiece.

GLOSSARY OF TERMS FOR WOODWORKING

Non-Through Cuts

Any cutting operation where the blade does not extend completely through the thickness of the workpiece, like a dado cut.

Leading End

The end of the workpiece pushed into tool first.

Kerf

The material removed by the blade in a through cut or the slot produced by the blade in a non-through or partial cut.

Kickback

A hazard that can occur when the blade binds or stalls, throwing the workpiece back toward operator.

Workpiece or Material

The item on which the cutting operation is being done. The surfaces of a workpiece are commonly referred to as faces, ends and edges.

Gum

A sticky, sap-based residue from wood products.

Resin

A sticky, sap-based substance that has hardened.

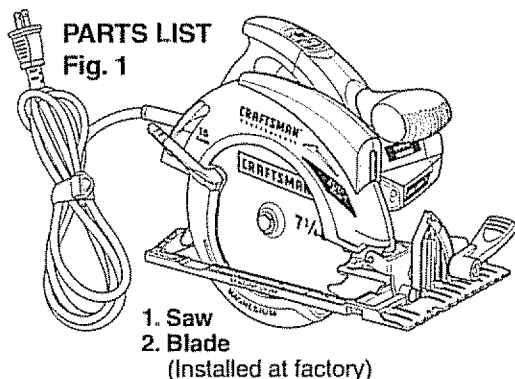
UNPACKING

 **WARNING:** Your saw should NEVER be connected to the power source when you are assembling parts, making adjustments, installing or removing blades, cleaning or when it is not in use. Disconnecting the saw will prevent accidental starting, which could cause serious personal injury.

1. The saw's **cutting blade** is installed at the factory.
2. The **edge guide** is force-fitted into the top of the lid of the **storage/carrying case**.
3. The **blade wrench** is also force-fitted into the top of the lid of the case. The wrench is used when changing or installing a new blade.
4. Also included and attached to the top of the lid of the case with a hook and loop strap is a pair of **Laser enhancing safety glasses** which are used to enhance the laser beam in bright light conditions.
5. There is a blade storage area in the bottom of the case where an extra blade can be stored.
6. Inspect the saw carefully to make sure that no breakage or damage has occurred during shipping. If any of the items mentioned are missing (refer to PARTS LIST on page 13), return the saw to your nearest Sears store or Craftsman outlet to have the saw replaced.

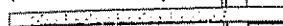
 **WARNING:** If any parts are broken or missing, DO NOT attempt to plug in the power cord or operate saw until the broken or missing parts are replaced. Failure to do so could result in possible serious injury.

UNPACKING cont.



PARTS LIST
Fig. 1

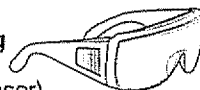
- 3. Edge Guide**
(stored in case)



- 4. Blade Wrench**
(stored in case)



- 5. Laser enhancing safety glasses**
(for enhancing laser)



- 6. Operator's Manual**

DESCRIPTION

KNOW YOUR CIRCULAR SAW (Fig. 2)

NOTE: Before attempting to use your saw, familiarize yourself with all of the operating features and safety requirements.

Your circular saw has a precision-built electric motor and it should only be connected to a 120-volt, 60-Hz AC ONLY power supply (normal household current). **DO NOT** operate on direct current (DC). This large voltage drop will cause a loss of power and the motor will overheat. If the saw does not operate when plugged into correct 120-volt, 60-Hz AC ONLY outlet, check the power supply. The saw has an 8-ft., 2-wire power cord (no adapter needed).

This Circular Saw has the following features:

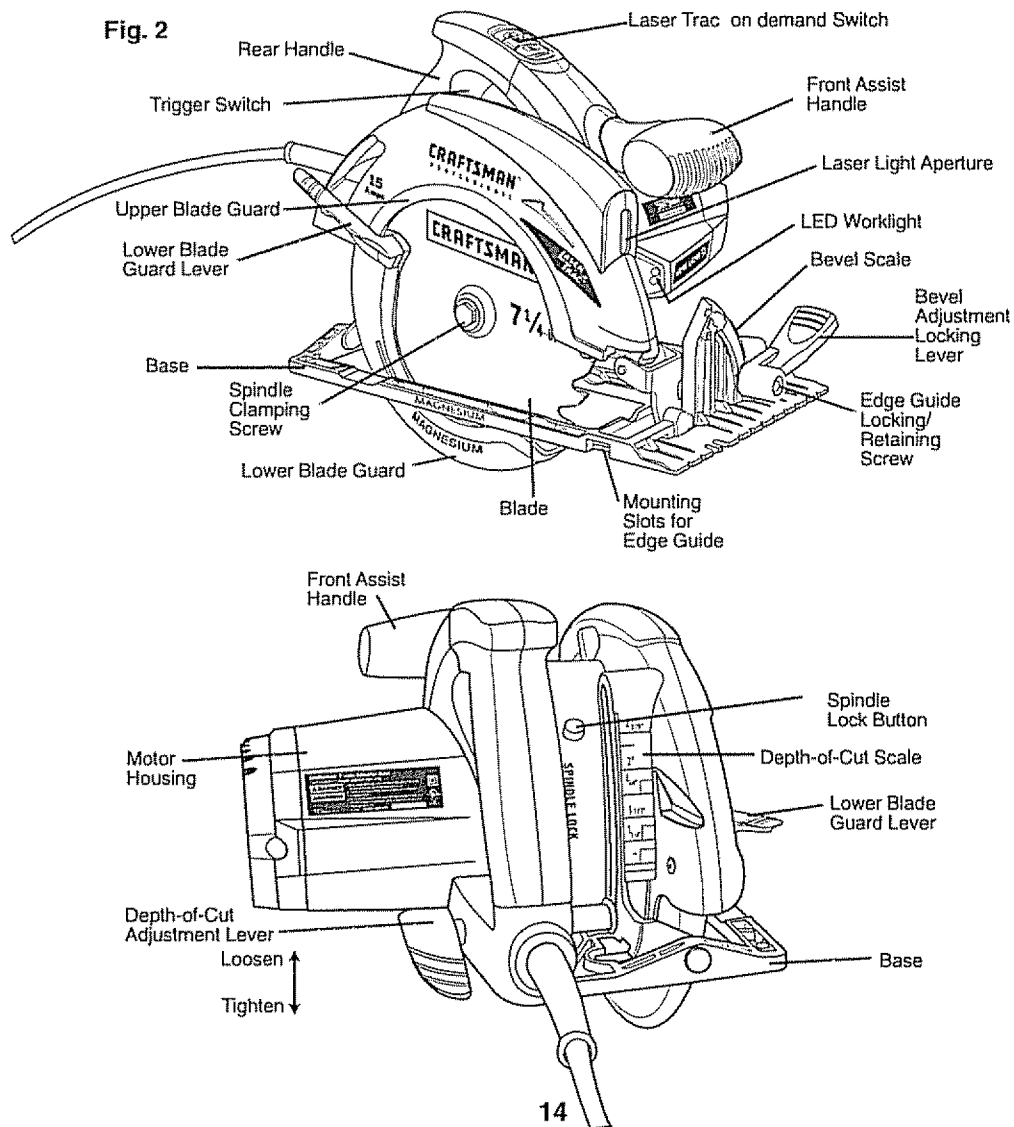
- 15 Amp, 5200 RPM (no-load speed) motor.** Provides power and torque for fast, sure cuts in wood, plywood, hardboard and wood-base materials.
- Laser Trac™** The unique, innovative feature for accurate, efficient cutting!
- Built-in LED WORKLIGHT** illuminates cutting area for easy visibility. This light stays "On" when saw is plugged into power source.
- Quick depth-of-cut adjustments with a maximum depth of cut:**
2 3/8-in. thick at 90°; 1 13/16-in. thick at 45°
- Easy to read bevel cut scale** adjusts from 0° to 56° bevel capacity, with a positive stop at 45°.
- Heavy duty, lightweight Magnesium blade guards** for extra strength and durability.
- Extended length trigger switch with soft-start** for maximum control and comfort for either left or right hand.
- Oversized machined magnesium base** provides stability for maximum control during sawing applications.
- Soft-grip ergonomically designed contoured rear handle and front assist handle** for positive gripping, control, balance and comfort.
- Includes Craftsman® 24 tooth carbide-tipped steel general purpose blade** for fast, smooth cuts.

DESCRIPTION cont.

This Circular Saw has the following features (cont.):

11. Top mounted blade spindle lock for easy blade changes
12. Includes edge guide to help produce accurate cuts.
13. Built-in Sawdust ejection chute helps direct dust and chips away from operator.
14. Permanently lubricated 100% ball bearings for smooth operation and long life.
15. Heavy-duty machined gearing for efficient power transmission.
16. Includes high-impact resistant carry/storage case

Fig. 2



DESCRIPTION cont.

PRODUCT SPECIFICATIONS	
Rating	15 Amps
No-load Speed	5200 RPM
Blade Diameter	7 1/4-in. (184mm)
Blade Arbor	5/8-in. (16mm)
Cutting Depth at 90°	2 3/8-in. (60.38mm)
Cutting Depth at 45°	1 13/16-in. (46mm)
Maximum Bevel Angle	56°
Input	120-V, 60Hz AC

OPERATION

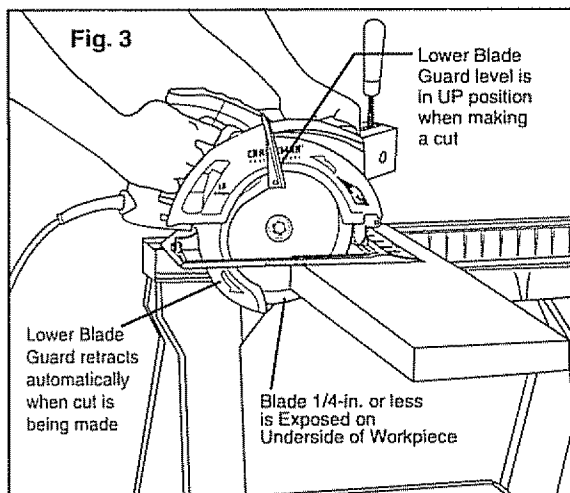
⚠ WARNING: A 7 1/4-inch blade is the maximum blade capacity of your saw. A larger than 7 1/4-inch blade will come in contact with the blade guards. Also, NEVER use a blade that is so thick that it prevents the outer blade washer from engaging with the flat side of the spindle. Blades that are too large or too thick can result in an accident causing serious injury.

SAW BLADES

All saw blades need to be kept clean, sharp and properly set in order to cut efficiently. Using a dull blade places a heavy load on the saw and increases the danger of kickback. Keep extra blades on hand, so sharp blades are always available. Gum and wood pitch hardened on the blade slows the saw down. Use gum and pitch remover, hot water or kerosene to remove them. **DO NOT** use gasoline

BLADE GUARD SYSTEM (Fig. 3)

The lower blade guard, attached to your circular saw, is there for your protection and safety. It should NEVER be altered for any reason. If it becomes damaged or begins to return slowly or sluggishly, **DO NOT** operate your saw until the damage has been repaired or replaced. ALWAYS leave the guard in its correct operating position when using the saw.

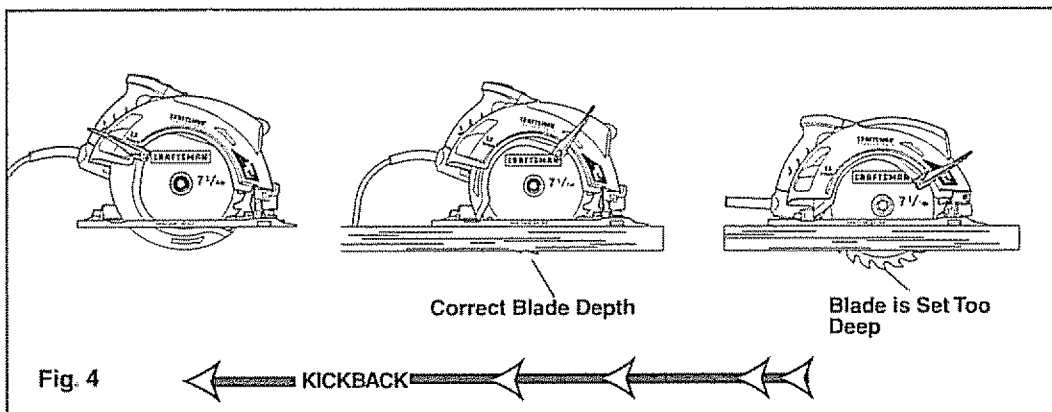


⚠ CAUTION: NEVER use the saw when the guard is not operating properly. The guard should be checked for correct operation before each use. If you drop your saw, check the lower blade guard and bumper for damage at all depth settings before using. **NOTE:** The guard is operating properly when it moves freely and then readily returns to the closed position. If for any reason your lower blade guard and bumper does not close freely, take the saw to your nearest Sears Repair Center for service before using it.

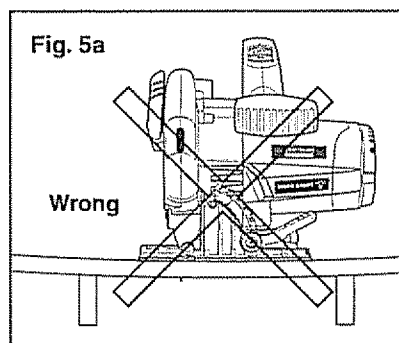
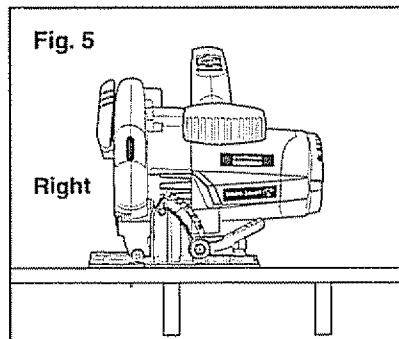
OPERATION cont.

KICKBACK...WHAT CAUSES IT AND WAYS TO HELP PREVENT IT (Fig. 4)

The Causes of Kickback



1. Kickback is a sudden reaction to a pinched, bound or misaligned saw blade, which causes an uncontrolled saw to lift up and out of the workpiece and toward the operator.
2. 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 towards the operator.
3. 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. This causes the blade to climb out of the kerf and jump back towards the operator.
4. Sawing into knots or nails in the workpiece can cause Kickback.
5. Sawing into wet or warped lumber can cause Kickback (see Fig. 5a).
6. Forcing a cut, or not supporting the workpiece correctly can cause Kickback (see Fig. 5a).
7. Kickback is a result of tool misuse and/or incorrect operating procedures or conditions. It can be avoided by taking the proper precautions, on page 17.



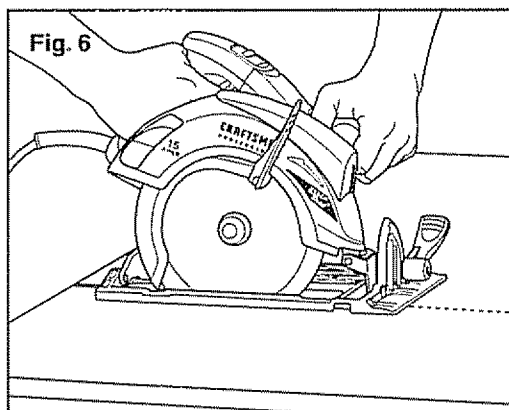
OPERATION cont.

Ways to Help Prevent Kickback

⚠ DANGER: ALWAYS release trigger switch immediately if the blade binds or the saw stalls. Kickback could cause you to lose control of the saw. Loss of control can lead to serious injury.

1. **ALWAYS** maintain a firm grip with both (see Fig. 6) hands on the saw and position your body and arms to allow you to resist Kickback forces. Kickback forces can be controlled by the operator, if the proper precautions are taken.

2. If the blade is binding, or when you are interrupting a cut for any reason, **ALWAYS** 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. **CHECK** and take corrective action to eliminate the cause of blade binding.

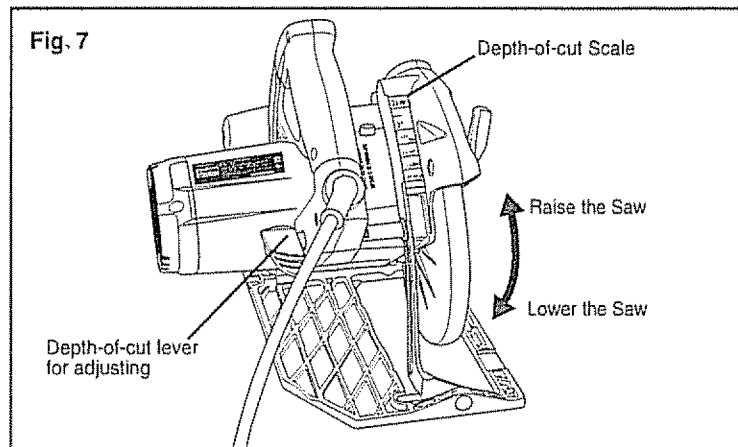


3. Inspect the workpiece for knots or nails before cutting. Never saw into a knot or nail.
4. **DO NOT** cut warped or wet lumber (see Fig. 5a)
5. **ALWAYS** support large panels to minimize the risk of blade pinching and Kickback. Large panels tend to sag under their own weight (see Fig. 5a). Supports **MUST** be placed under the panel, one near the line of cut and one near the edge of the panel (see Fig. 5).
6. When restarting the saw in the workpiece, **CENTER** the blade in the kerf and check to be sure that the saw teeth are not engaged into the material. If the saw blade is binding, it may walk up or Kickback from the workpiece when the saw is restarted.
7. **DO NOT** use a dull or damaged blade. Unsharpened, improperly set, or gummed-up blades produce narrow kerf which causes excessive friction, blade binding and Kickback.
8. **KEEP** the blade at the correct depth setting. The depth setting should not exceed 1/4-inch below the material being cut (see Fig. 4). **BE SURE** that the blade depth and adjusting locking levers are tight and secure **BEFORE** making a cut. If blade adjustment shifts while cutting it may cause binding and Kickback.
9. **USE EXTRA CAUTION** when making a "Pocket Cut" into existing walls or other blind areas. The protruding blade may cut objects that can cause Kickback.

OPERATION cont.

MAKING DEPTH-OF-CUT ADJUSTMENTS (Fig. 7)

ALWAYS use the correct blade depth setting. The correct blade depth setting for all cuts should not be more than 1/4-inch below the material being cut (see Fig. 4). Allowing more depth will increase the chance of kickback and cause the cut to be rough. Your saw is equipped with a depth-of-cut scale that provides increased depth-of-cut accuracy. The depth-of-cut scale is located on the inside back of the upper blade guard

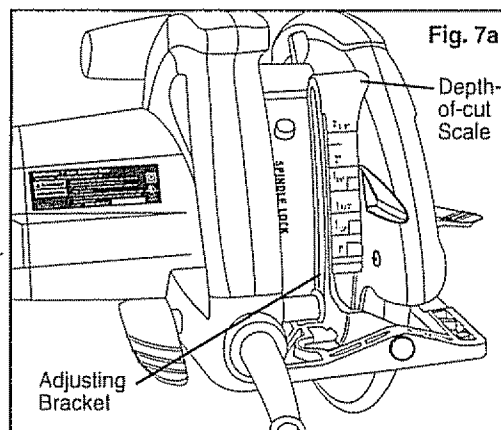


TO SET THE BLADE DEPTH (Fig. 7a)

1. Unplug the saw

⚠ WARNING: ALWAYS unplug saw before making any adjustments. Failure to unplug the saw could result in accidental starting which can cause serious personal injury.

2. Raise the depth-of-cut adjustment lever to loosen the base (see Fig. 7).
3. Determine the desired depth of cut.
4. Locate the depth-of-cut scale on the back of the upper blade guard (see Fig. 7a).
5. Hold the base of the saw flat against the edge of the workpiece and then raise or lower the saw until the indicator mark on the bracket aligns with the notch on the blade guard at the desired depth-of-cut mark.
6. Tighten depth-of-cut adjustment lever.



OPERATION cont:

USING THE LASER TRAC™ LASER LIGHT FEATURE (Fig. 8)

⚠ WARNING: LASER LIGHT. LASER RADIATION. Avoid Direct Eye Exposure. DO NOT stare into beam. Only turn laser beam on when the saw is on the workpiece. Class IIIa laser.

NOTE: Your circular saw has a built-in laser light. To activate laser light switch, saw must be plugged into power source.

1. **DO NOT** turn the laser beam on until the saw is on the workpiece.
2. Mark the line of cut on the workpiece
3. Adjust the cutting angle and cutting depth as needed.
4. Plug in the saw and push the laser switch forward to turn on the laser.
5. Align laser beam with line-of-cut (see Fig. 8).
6. Squeeze the trigger switch and slowly push the saw forward using both hands. Keep the red laser beam on the line-of-cut.
7. Always shut off the laser light when you are finished cutting

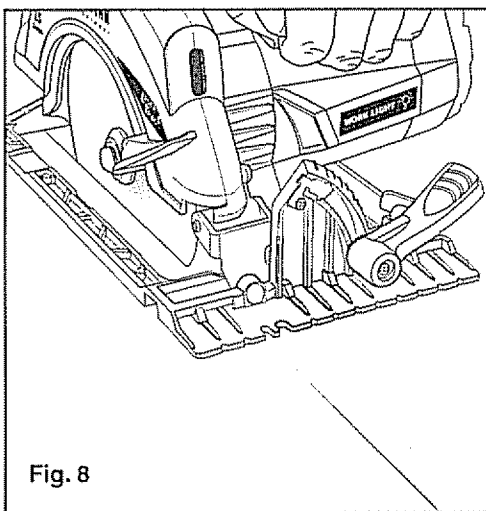


Fig. 8

⚠ CAUTION: The Laser enhancing safety glasses that were included will enhance the laser light in bright light conditions. DO NOT wear these glasses if they interfere with the safe operation of this saw.

LED WORKLIGHT (Fig. 9)

Your circular saw has a built-in worklight for better visibility when cutting. This light is always "ON" when saw is plugged into power source

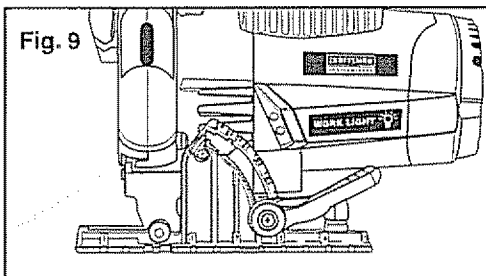


Fig. 9

OPERATION cont.

STARTING A CUT (Fig. 10)

⚠ WARNING: ALWAYS clamp and support workpiece securely. ALWAYS maintain proper control of saw. Failure to clamp and support workpiece and loss of control of saw could result in serious injury.

1. **ALWAYS** use your saw with your hands positioned correctly, with one hand operating the trigger switch and the other on the front assist handle (see Fig. 10).

⚠ WARNING: ALWAYS maintain proper control of the saw to make sawing safer and easier. Loss of control of the saw could cause an accident resulting in possible serious injury.

2. **NEVER** use the saw with your hands positioned as shown in Fig. 11

To Help Maintain Control:

3. **ALWAYS** support the workpiece near the cut.
4. **ALWAYS** support the workpiece so the cut will be on your right.
5. **ALWAYS** clamp the workpiece so it will not move during the cut. Place the workpiece with the good side down.

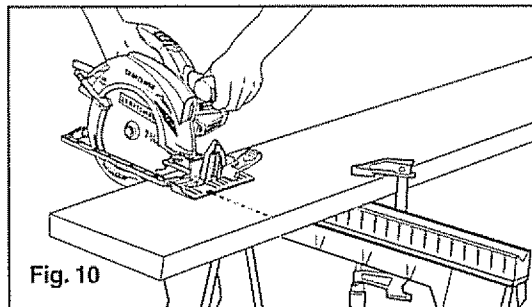


Fig. 10

NOTE: The good side of the workpiece is the side where appearance is important.

6. Before starting a cut, draw a guideline along the desired line of cut, then place the front edge of the saw base on that part of the workpiece that is solidly supported (see Fig. 10).
7. **NEVER** place the saw on the part of the workpiece that will fall off when the cut is made (see Fig. 11).
8. **ALWAYS** keep the cord away from the cutting area. **ALWAYS** place the cord so it does not hang up on the workpiece when making a cut.
9. Hold the saw firmly with both hands (see Fig 10).

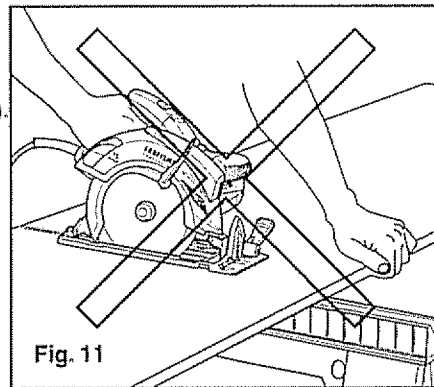


Fig. 11

⚠ WARNING: If the cord hangs up on the workpiece during a cut, release the trigger switch immediately. To avoid injury, unplug the saw and move the cord to prevent it from hanging up again.

⚠ DANGER: Using the saw with a damaged cord could result in serious injury or death. If the cord has been damaged, have it replaced before using the saw again.

OPERATION cont.

TO HELP MAINTAIN CONTROL cont.:

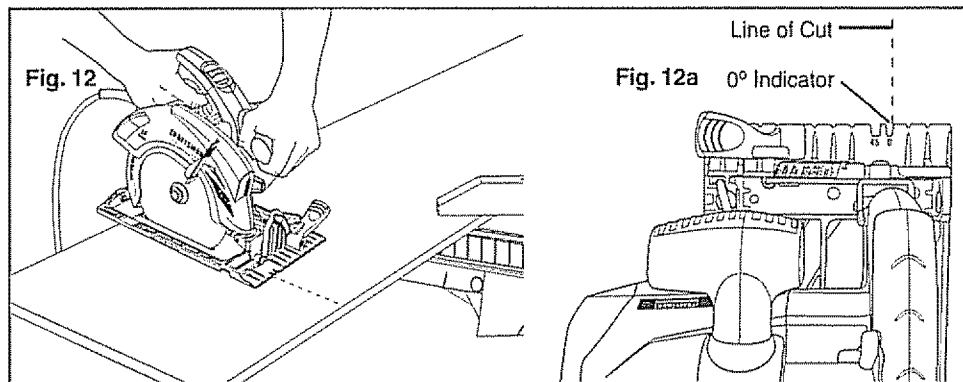
10. Squeeze the trigger switch to start the saw. **ALWAYS** let the blade reach full speed before you begin the cut into the workpiece.
11. When making a cut, **ALWAYS** use steady, even pressure. Forcing the saw causes rough cuts and could shorten the life of the saw or cause Kickback.
12. After completing your cut, release the trigger switch and allow the blade to come to a complete stop. **DO NOT** remove the saw from the workpiece while the blade is moving.

⚠ DANGER: When sawing through a workpiece, the lower blade guard **DOES NOT** cover the blade on the underside of the workpiece (see Fig. 3, page 15). **ALWAYS** keep your hands and fingers away from the cutting area. Any part of your body coming in contact with the moving blade will result in serious injury.

MAKING CROSS CUTS AND RIP CUTS (Figs. 12 and 12a)

⚠ WARNING: **ALWAYS** clamp and support workpiece securely. **ALWAYS** maintain proper control of saw. Failure to clamp and support workpiece and loss of control of saw could result in serious injury.

1. **ALWAYS** use your saw with your hands positioned correctly (see Fig. 13).



⚠ WARNING: **ALWAYS** maintain proper control of the saw to make sawing safer and easier. Loss of control of the saw could cause an accident resulting in possible serious injury.

2. When making cross or rip cuts, align your line of cut with the right side of the notch by the 0° indicator. (see Fig. 12a).
3. Since the thickness of blades varies, **MAKE A TRIAL CUT** in scrap material along the guideline to determine how much, if any, you should offset the blade from the guideline to allow for the kerf of the blade to get an accurate cut.

OPERATION cont.

INTEGRATED CROSSCUT RULER

Marked on the base across the front (see Fig. 12a) is a handy ruler for measuring repetitive cuts. It is marked 1-inch to the right of 0° and 5-inches to the left of 0°.

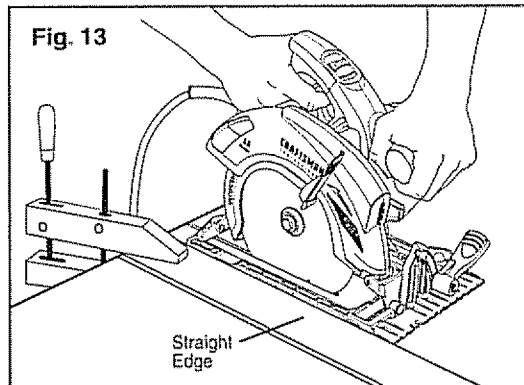
MAKING RIP CUTS

ALWAYS use a guide when making long or wide rip cuts with your saw. You can use either a straight edge or use the edge guide that was included with your saw.

USING A STRAIGHT EDGE (Fig. 13)

⚠ WARNING: ALWAYS clamp and support workpiece securely. **ALWAYS** maintain proper control of saw. Failure to clamp and support workpiece combined with loss of control of saw could result in serious injury.

1. You can make an efficient rip guide by clamping a straight edge to your workpiece.
2. Carefully guide the saw along the straight edge for a straight rip cut (see Fig. 13).
3. **ALWAYS LET THE BLADE REACH FULL SPEED**, then carefully guide the saw into the workpiece. **DO NOT bind the blade in the cut.** Push the saw forward at a speed where the blade is not laboring.



INSTALLING AND USING THE EDGE GUIDE (Figs. 14 and 14a)

Your saw comes with an edge guide that is 7 1/2-inches long on the guide edge. It allows you to make accurate parallel cuts when trimming a workpiece. It attaches to the saw's base. The arm of the edge guide is stamped 0 to 7 inches in 1/8-inch increments and 18 centimeters in 1-mm increments for easy adjustment of your cut.

1. Unplug the saw.

⚠ WARNING: ALWAYS unplug saw before making any adjustments. Failure to unplug the saw could result in accidental starting which can cause serious personal injury.

2. Position the edge guide so the arm with the inch increments is facing "up". Slide the arm of the edge guide into the mounting slots at the front of the saw's base (see Fig. 14).
3. Adjust the edge guide to the desired length of cut.
4. Tighten the edge guide retaining screw.
5. Clamp and support the workpiece securely before making your cut.

OPERATION cont.

INSTALLING AND USING THE EDGE GUIDE cont.

6. Place the edge guide firmly against the edge of the workpiece (See Fig. 14a) Doing this will give you a true cut without pinching the blade.
7. **BE SURE** that the guiding edge of the workpiece is straight so you can get a straight cut.
8. **ALWAYS LET THE BLADE REACH FULL SPEED**, then carefully guide the saw into the workpiece. **DO NOT bind the blade in the cut.** Push the saw forward at a speed where the blade is not laboring.

Fig. 14

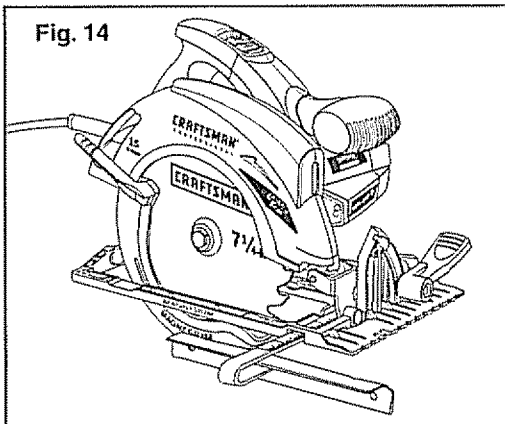
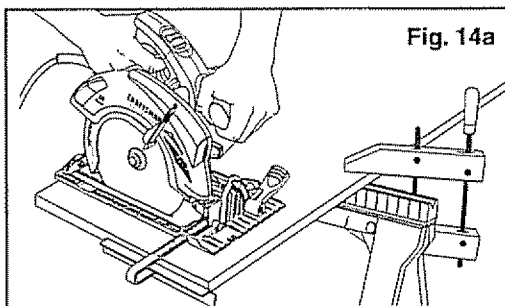


Fig. 14a



HOW TO SET YOUR BEVEL ANGLE (Fig. 15)

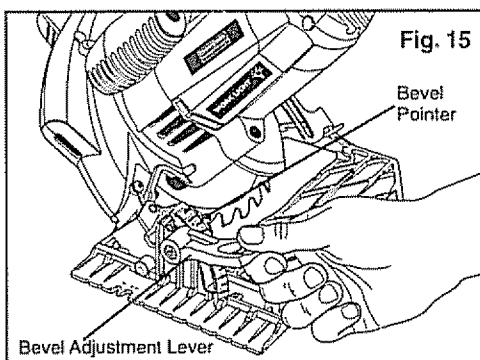
1. Unplug the saw.



WARNING: ALWAYS unplug saw before making any adjustments. Failure to unplug the saw could result in accidental starting which can cause serious personal injury.

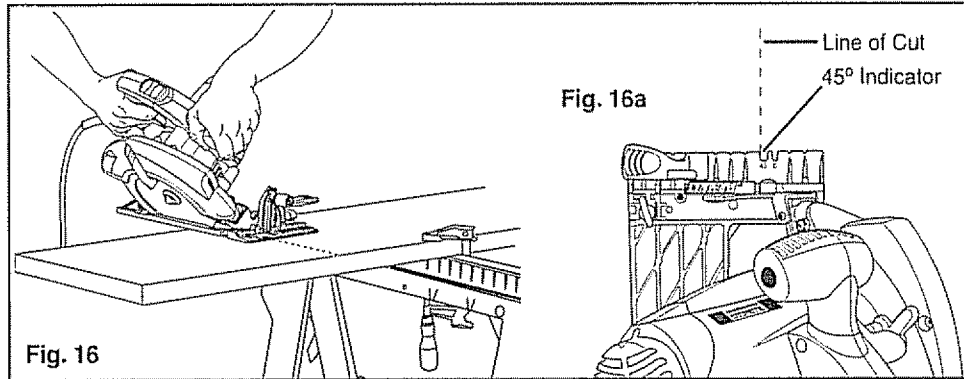
2. Loosen bevel adjustment lever (see Fig. 15)
3. Raise the motor housing end of the saw until you reach the desired angle setting on the bevel scale.
4. Tighten the adjustment lever securely.

Fig. 15



OPERATION cont.

MAKING BEVEL CUTS (Figs. 16 and 16a)



⚠ WARNING: ALWAYS clamp and support workpiece securely. ALWAYS maintain proper control of saw. Failure to clamp and support workpiece and loss of control of saw could result in serious injury.

1. Your saw can be adjusted to cut at any angle between 0° and 56°. When making 45° bevel cuts, there is a notch in the saw base to help you line up the blade with the line of cut (see Fig. 16a).
2. Align your line of cut with the left side of the notch by the 45° indicator when making 45° bevel cuts.
3. Since blade thicknesses vary and different angles require different settings, **MAKE A TRIAL CUT** in scrap material along the guideline to determine how much, if any, you should offset the blade from the guideline to allow for the kerf of the blade to get an accurate cut.
4. When making a bevel cut **HOLD** the saw **FIRMLY** with both hands (see Fig. 16).
5. Rest the front edge of the base on the workpiece, then squeeze the trigger switch to start the saw. **ALWAYS** let the blade reach full speed, then guide the saw into the workpiece.
6. After completing your cut, release the trigger switch and allow the blade to come to a complete stop in the cut. **DO NOT** remove the saw from the workpiece while the blade is moving. It will damage your bevel cut and cause Kickback.

⚠ WARNING: If the blade comes in contact with the workpiece before it reaches full speed, it could cause the saw to kickback towards you, possibly resulting in serious injury.

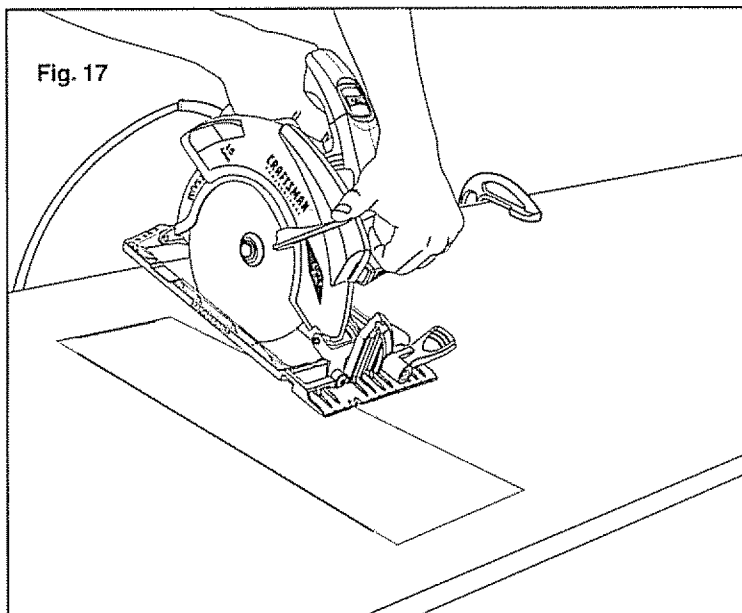
OPERATION cont.

MAKING POCKET CUTS (Fig. 17)

⚠ WARNING: WARNING: ALWAYS adjust bevel setting to zero before making a pocket cut. Attempting a pocket cut at any other setting can result in a loss of control of the saw, which can result in serious injury.

- 1 Adjust the bevel setting to zero, set the blade to the correct blade depth setting, then use the lower blade guard lever to swing the guard up.

⚠ WARNING: ALWAYS raise the lower blade guard with the lever to avoid serious injury.



2. While holding the lower blade guard up by the lever, firmly rest the front of the saw base flat against the workpiece with the rear handle raised so the blade does not touch the workpiece (see Fig 17).
3. Squeeze the trigger switch to start the saw. **ALWAYS** let the blade reach full speed, then slowly lower the blade onto the workpiece until the base is flat against the workpiece. **AS the blade enters the material, you MUST release the lower blade guard lever.**
4. After you complete the cut, release the trigger switch and allow the blade to come to a complete stop. After the blade has stopped, remove it from the workpiece. If the corners of your pocket cut are not completely cut through, use a hand finishing saw to finish the corners.

⚠ WARNING: NEVER tie the lower blade guard in the raised position. Leaving the blade exposed could result in serious injury.

ADJUSTMENTS

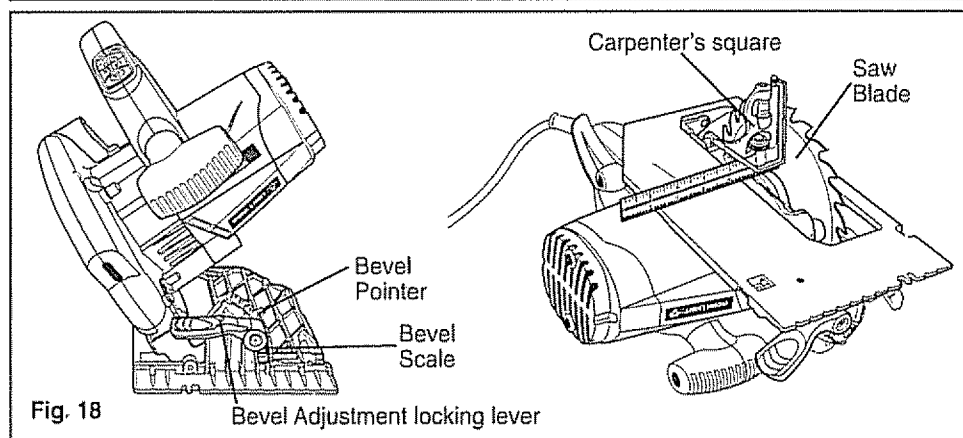
POSITIVE 0° BEVEL STOP

Your saw has a positive 0° bevel stop and it was adjusted at the factory to assure 0° angle of the saw blade for 90° cuts. However, shipping can cause misalignment.

HOW TO CORRECT THE 0° ANGLE SETTING (Fig. 18 and 18a)

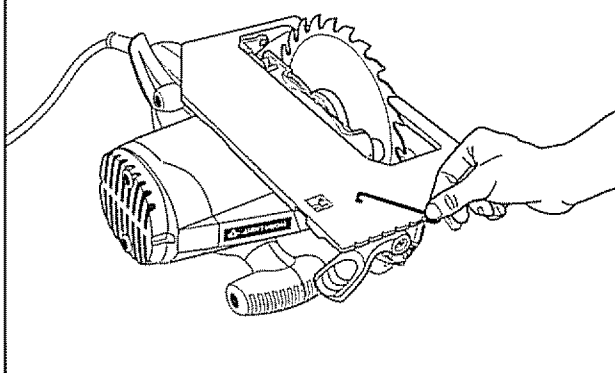
1. Unplug the saw.

⚠ WARNING: ALWAYS unplug saw before making any adjustments. Failure to unplug the saw could result in accidental starting which can cause serious personal injury.



2. Place saw in an upside down position on workbench.
3. Use a carpenter's square to check the squareness of the saw blade to the base of your saw.
4. If saw is not square, loosen bevel adjustment locking lever (see Fig. 18)
5. Locate the slot (see Fig. 18a) on the bottom of the base that has a hex adjusting screw. Adjust this screw up or down with a 3mm Allen wrench or Hex Key (3/32-in.) until blade is square to base.
6. Tighten bevel adjustment lever.

Fig. 18a



⚠ WARNING: Attempting to make cuts without the bevel adjustment locking lever securely tightened can result in serious injury.

MAINTENANCE

 **WARNING:** To ensure safety and reliability, all repairs - with the exception of the externally accessible brushes - should be performed by a qualified service technician at a Sears Service Center.

 **WARNING:** For your safety, ALWAYS turn off switch and unplug circular saw from the power source before performing any maintenance or cleaning.

It has been found that electric tools are subject to accelerated wear and possible premature failure when they are used to work on fiber glass boats and sports cars, wallboard, spackling compounds or plaster. The chips and grindings from these materials are highly abrasive to electrical tool parts, such as bearings, brushes, commutators, etc. Consequently, it is not recommended that this tool be used for extended work on any fiberglass material, wallboard, spackling compound or plaster. During any use on these materials, it is extremely important that the tool is cleaned frequently by blowing with an air jet.

 **WARNING:** Always wear safety goggles or safety glasses with side shields during power tool operations, or when blowing dust. If operation is dusty, also wear a dust mask.

ROUTINE MAINTENANCE

 **WARNING:** DO NOT at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc. come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic, which may result in serious personal injury.

Periodic maintenance allows for long life and trouble-free operation. A cleaning, lubrication and maintenance schedule should be maintained. As a common preventive maintenance practice, follow these recommended steps:

1. When work has been completed, clean the tool to allow smooth functioning of the tool over time.
2. Use clean damp cloths to wipe the tool.
3. Check the state of all electrical cables.
4. Keep the motor air openings free from oil, grease and sawdust or woodchips, and store tool in a dry place.
5. Be certain that all moving parts that are exposed are well lubricated, particularly after lengthy exposure to damp and/or dirty conditions.

MAINTENANCE cont.

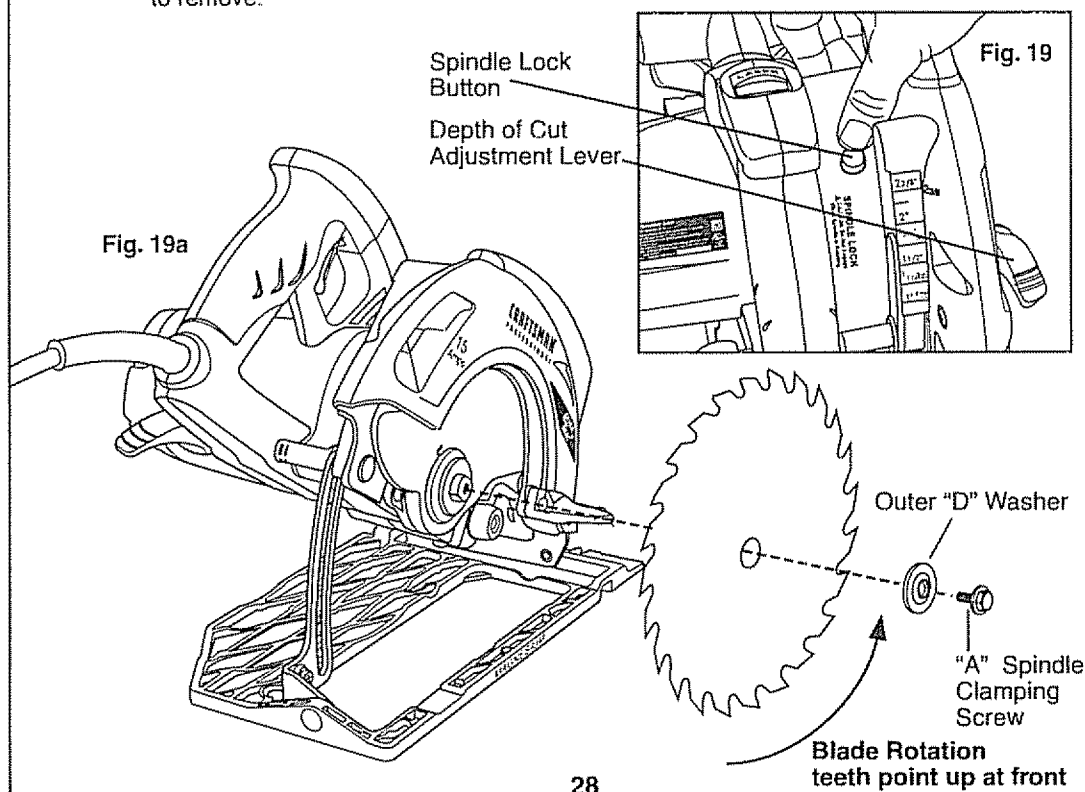
CHANGING THE BLADE (Figs. 19 and 19a)

⚠ WARNING: BE SURE to wear protective work gloves while handling a saw blade. The blade can injure unprotected hands.

1. Unplug the saw.

⚠ WARNING: To prevent personal injury, ALWAYS disconnect the plug from power source BEFORE assembling parts, making adjustments or changing blades.

2. Place saw on its side on a flat surface.
3. To loosen the depth-of-cut adjustment lever, raise the saw up all the way and tighten lever. This gives you easier access to blade mounting area (see Fig. 19a).
4. Place saw upright, on its base and on a flat surface (see Fig. 19a).
5. To loosen the spindle clamping screw "A", depress the spindle lock button (see Fig. 19). Place the blade wrench on the spindle clamping screw "A". Move the wrench back and forth until you feel the spindle lock button depress further and it locks the blade in position so the spindle clamping screw can be removed. Keeping the spindle lock button firmly depressed, turn the spindle screw counterclockwise to remove.



MAINTENANCE cont.

CHANGING THE BLADE cont. (Figs. 19 and 19a)

6. Raise lower blade guard using the blade guard lever and hold it in the raised position for the next steps.
7. Completely remove the spindle clamping screw "A" and the outer "D" washer and the blade (see Fig. 19a).
8. The remaining washer is the inner bushing washer that fits around the spindle shaft and it does not need to be removed.
9. Put a drop of oil onto the inner bushing washer and outer "D" washer where they will touch the blade.
10. Place the new saw blade inside the lower blade guard, onto the spindle shaft and against the inner bushing.

NOTE: The teeth of the blade should point upward at the front of the saw as shown in (Fig. 19a).

11. Replace the "D" washer.
12. Firmly hold down spindle lock button as you replace the spindle screw and hand tighten it in a clockwise direction. Then use blade wrench to tighten the spindle clamping screw thoroughly.
13. Place blade wrench back in case.

NOTE: NEVER use a blade that is too thick to allow the "D" washer to engage with the flat side of the spindle.

LUBRICATION

All of the bearings in this tool are lubricated with a sufficient amount of high-grade lubricant for the life of the tool under normal operating conditions. Therefore, no further lubrication is required.

TROUBLESHOOTING

If the blade does not follow a straight line:

- Teeth are dull. This is caused by hitting a hard object such as a nail, dulling teeth on one side. The blade tends to cut to the side with the sharpest teeth.
- Base is out of line or bent.
- Blade is bent.
- Edge guide or straight edge is not being used.

If the blade binds or smokes from friction:

- Blade is dull.
- Blade is on backwards.
- Blade is bent.
- Workpiece is not properly supported.
- Incorrect blade is being used.

ACCESSORIES

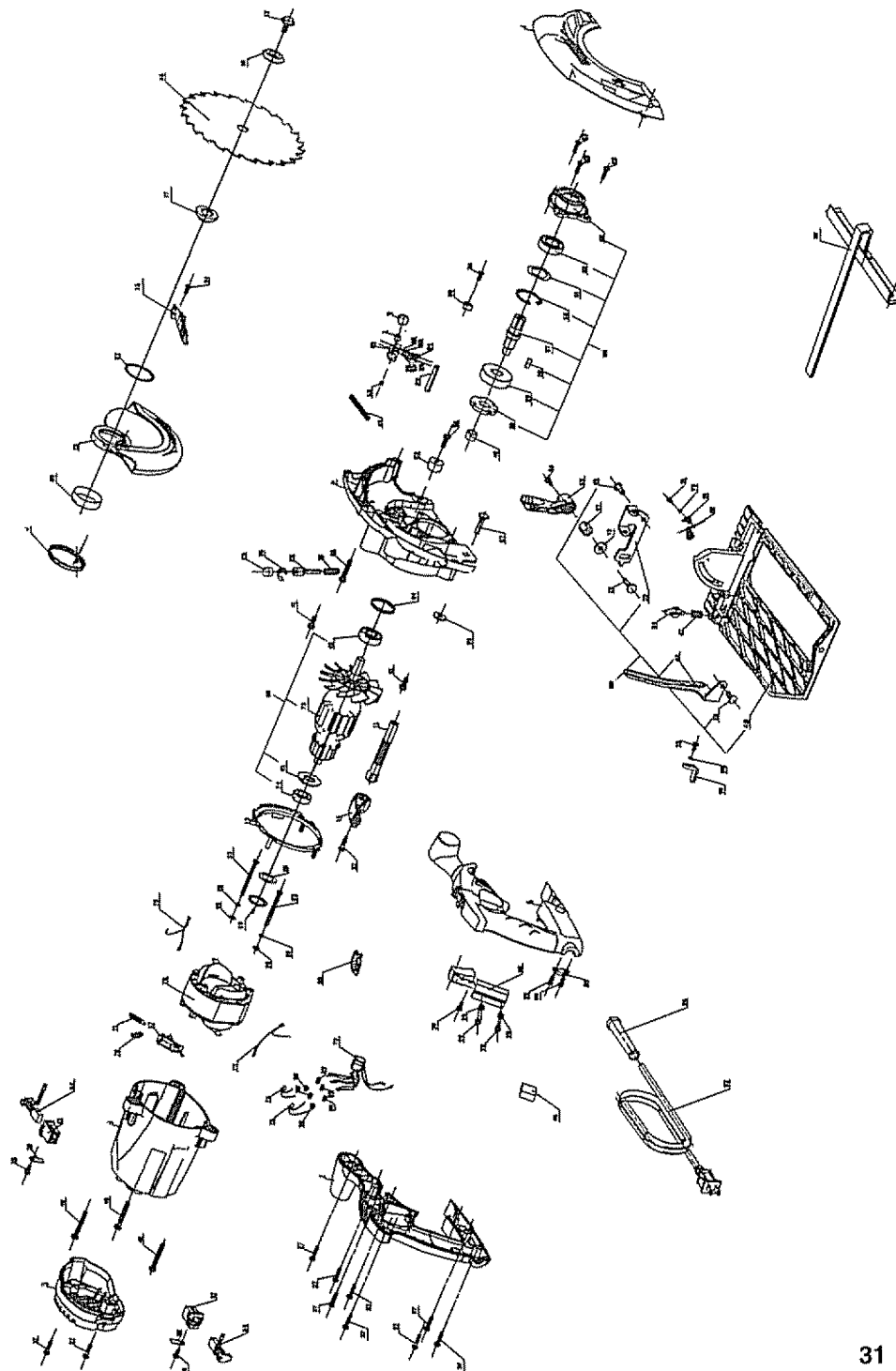
 **WARNING:** The use of attachments or accessories that are not recommended for this tool might be dangerous and could result in serious injury.

Sears and other Craftsman outlets have a large selection of 7 1/4-inch Craftsman steel carbide-tipped blades designed for specific cutting applications. Contractor bulk packs are also available.

Sears and other Craftsman outlets also offer sawhorses, combination and framing squares, straight edges, edge guides, and a large assortment of clamps to help you with all your sawing needs.

Visit your local Sears store or other Craftsman outlets or shop sears.com/craftsman.

PARTS LIST



PARTS LIST cont.**7¹/₄-in.CIRCULAR SAW – MODEL NUMBER 320.27311**

The Model Number will be found on the Nameplate

Always mention the Model Number in all correspondence regarding your tool.

Item No.	Parts No.	Part Description	Qty.
1	2780040000	Laser Set	1
2	3420489000	Gear Case	1
3	3420490000	Upper Guard	1
4	3122920000	Motor Housing	1
5	3122921000	Rear Cover	1
6	3320396000	Right Handle	1
7	3320395000	Left Handle	1
8	3660170000	Torsion Spring	1
9	3121384000	Lens	1
10	3121341000	Fan Baffle	1
11	3400174000	Lock Rod	1
12	5650017000	Plain Washer GB96-85 6 A140	1
13	5640151000	Bolt	1
14	3121378000	Depth Adjusting Lever	1
15	3420334000	Moving Guard	1
16	3121379000	Moving Guard Lever	1
17	3550225000	Inner Flange	1
18	3550222000	Clamp	1
19	5620151000	Flange Screw	1
20	3420184000	Adjusting Block	1
21	2800008000	Brush Holder	2
22	5610094000	Tapping Screw GB6560-86 4X16	3
23	3121051000	Stopper	1
24	3121057000	Rubber Ring	1
25	3121054000	Spring	1
26	3700255000	Washer	1
27	5660030000	Circlips For Shaft	1
28	3550238000	Lock Shaft	1
29	3120560000	Button	1
30	3550240000	Lock Ring	1
31	3660072000	Spring	1
32	3700539000	Epoxy Board	2
33	5610048000	Tapping Screw GB845-85 4.2X55-F	2
34	5620039000	Screw GB818-85 M4x10	3
35	3700262000	Wire Holder	1
36	5610061000	Thread Forming Screw GB6560-86 5x30	1
37	5610042000	Tapping Screw GB845-85 ST4.2x19-F-H	12
38	5610053000	Tapping Screw GB845-85 4.2x9.5-F	3
39	5670008000	Spring Pin GB879-86 6x40	1
40	5610062000	Thread Forming Screw GB6560-86 M5x40	3

PARTS LIST cont.**7¹/₄-in.CIRCULAR SAW – MODEL NUMBER 320.27311**

The Model Number will be found on the Nameplate.

Always mention the Model Number in all correspondence regarding your tool

Item No.	Parts No.	Part Description	Qty.
41	5610057000	Thread Forming Screw	2
42	5700041000	Oil Impreging Bearing	1
43	5700015000	Ball Bearing GB/T276-94 6201-2RD	1
44	3700780000	Depth Bracket	1
45	5680009000	Rivet GB873-86 6x8	2
46	3700540001	Sponge	1
47	3660071000	Spring	1
48	3700278000	Base Plate	1
49	3660069000	Spring	1
50	3122926000	45° Stop Block	1
51	3703604000	Clamp	1
52	3700663000	Rip Fence	1
53	5650053000	Washer	1
54	3400011000	Wing Bolt	1
55	3703605000	Support Plate	1
56	5660010000	E Ring GB896-86 9	1
57	3550253000	Gear Shaft	1
58	5680004000	Plain Key GB1096-79 5x14	1
59	3550235000	Gear	1
60	5700019000	Ball Bearing GB_T276-94 6003-2RS	1
61	3700281000	Wave Washer	1
62	5660023000	Circlips For Hole GB893.1-86 35	1
63	5620088000	Slotted Set Screw	1
64	4960023000	Carbon	2
65	3700586000	Lining	1
66	3810073000	Blade	1
67	3121381000	LED Cover	1
68	3420311000	Gear Case Cover	1
69	3121380000	Bevel Lever	1
70	3121382000	LED Support1	1
71	3121383000	LED Support2	1
72	2750827000	Rotor	1
73	2821947000	Transform Assy	1
74	5700013000	Ball Bearing GB_T276-94 6000-2Z	1
75	5620038000	Screw 4X8	1
76	4360221000	LED	1
77	2821992000	Inner wire1	1
78	2740121000	Stator	1
79	2821992000	Inner wire2	1
80	5650007000	Spring Washer GB93-87 4	3

PARTS LIST cont.**7 1/4-in.CIRCULAR SAW – MODEL NUMBER 320.27311**

The Model Number will be found on the Nameplate.

Always mention the Model Number in all correspondence regarding your tool.

Item No.	Parts No.	Part Description	Qty.
81	3120563000	Dust Seal	1
82	4870036000	Switch	1
83	4810002000	Power Cord & Plug	1
84	3700367000	Cord Anchorage	1
85	5610093000	Tapping Screw JIS M4x12	2
86	3121050000	Cord Guard	1
87	5640152000	Bolt	1
88	3121385000	Laser Button	1
89	4930012000	Terminal	3
90	3700339000	Depth Support	1
91	5620032003	Screw 3X8	1
92	5650001000	Plain Washer GB97.1-85 3	2
93	5650003000	Spring Washer GB93-87 3	3
94	5620006000	Hexagon Socket Screw GB70-85 M3x12	2
95	5650005000	Plain Washer GB97.1-85 4	2
96	5610058000	Tapping Screw GB6560-86 M5X16	1
97	3550375000	Nut M6X2P	1
98	4930013000	Receptacle	3
99	5620035000	Screw GB818-85 M3.5x8	4
100		Base Plate Set	1
101		Gear Set	1
102		Rotor Set	1

NOTES

Get it fixed, at your home or ours!

Your Home

For repair – **in your home** – of all major brand appliances, lawn and garden equipment, or heating and cooling systems, **no matter who made it, no matter who sold it!**

For the replacement parts, accessories and owner's manuals that you need to do-it-yourself.

For Sears professional installation of home appliances and items like garage door openers and water heaters

1-800-4-MY-HOME[®] Anytime, day or night
(1-800-469-4663) (U.S.A. and Canada)
www.sears.com www.sears.ca

Our Home

For repair of carry-in products like vacuums, lawn equipment, and electronics, call or go on-line for the nearest **Sears Parts and Repair Center.**

1-800-488-1222 Anytime, day or night (U.S.A. only)
www.sears.com

To purchase a protection agreement (U.S.A.) or maintenance agreement (Canada) on a product serviced by Sears.

1-800-827-6655 (U.S.A.) **1-800-361-6665** (Canada)

Para pedir servicio de reparación a domicilio, y para ordenar piezas.

1-888-SU-HOGAR[®]
(1-888-784-6427)

Au Canada pour service en français:

1-800-LE-FOYER[™]
(1-800-533-6937)
www.sears.ca



© Sears Brands, LLC

® Registered Trademark / [™] Trademark / SM Service Mark of Sears Brands, LLC

® Marca Registrada / [™] Marca de Fábrica / SM Marca de Servicio de Sears Brands, LLC

SM Marque de commerce / SM Marque déposée de Sears Brands, LLC