

Radley®

7 1/4" Circular Saw



*Owner's
Manual*



**READ ALL INSTRUCTIONS BEFORE FIRST USE.
KEEP THIS MANUAL FOR FUTURE REFERENCE.
KEEP AWAY FROM CHILDREN.**



**WEAR CSA APPROVED
EYE PROTECTION**



**WEAR EAR
PROTECTION**



**WEAR A
FACE MASK**

PRODUCT SPECIFICATIONS

12 AMP CIRCULAR SAW	
Rating	120 V, 60 Hz AC
Amperes	12 AMP
Blade speed	5,600 RPM (no load)
Arbor	5/8"
Blade	7 1/4", 5/8" arbor, 24 Tungsten carbide tipped teeth
Wood maximum cutting depth	2 1/2" (63.5 mm) @ 90° 1 13/16" (46 mm) @ 45°
Bevel angle	0-50°
Weight	9.9 lbs

Need Assistance?

Call us on our toll free customer support line:

1-866-349-8665 (Monday through Friday 9am – 5pm Eastern Time)

- Technical questions
- Replacement parts
- Parts missing from package

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GENERAL SAFETY WARNINGS

WARNING: Before using this tool or any of its accessories, read this manual and follow all Safety Rules and Operating Instructions. The important precautions, safeguards and instructions appearing in this manual are not meant to cover all possible situations. It must be understood that common sense and caution are factors which cannot be built into the product.

This instruction manual includes the following:

- General Safety Warnings
- Specific Safety Rules and Symbols
- Functional Description
- Assembly
- Operation
- Maintenance
- Accessories

EYE, EAR & LUNG PROTECTION



WEAR CSA APPROVED EYE PROTECTION



WEAR EAR PROTECTION



WEAR A FACE MASK

ALWAYS WEAR EYE PROTECTION THAT CONFORMS WITH CSA REQUIREMENTS or ANSI SAFETY STANDARD Z87.1

FLYING DEBRIS can cause permanent eye damage. Prescription eyeglasses ARE NOT a replacement for proper eye protection. **WARNING:** Non-compliant eyewear can cause serious injury if broken during the operation of a power tool.

ALWAYS WEAR EAR PROTECTION

WARNING: Use hearing protection, particularly during extended periods of operation of the tool, or if the operation is noisy.

WEAR A DUST MASK THAT IS DESIGNED TO BE USED WHEN OPERATING A POWER TOOL IN A DUSTY ENVIRONMENT.

WARNING: Dust that is created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals that are known to cause cancer, birth defects, or other genetic abnormalities. These chemicals include: Lead from lead-based paints; Crystalline silica from bricks, cement, and other masonry products; Arsenic and chromium from chemically treated lumber. The level of risk from exposure to these chemicals varies, according to how often this type of work is performed. In order to reduce exposure to these chemicals, work in a well-ventilated area, and use approved safety equipment, such as a dust mask that is specifically designed to filter out microscopic particles.

ELECTRICAL SAFETY



WARNING: To avoid electrical hazards, fire hazards or damage to the tool, use proper circuit protection.

This tool is wired at the factory for 120V AC operation. It must be connected to a 120V AC, 15 A circuit that is protected by a time-delayed fuse or circuit breaker. To avoid shock or fire, replace power cord immediately if it is worn, cut or damaged in any way.

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.

POWER TOOL SAFETY

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.

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.

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 adjusting key or wrench before turning the power tool on.

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

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

Connect 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.

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

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.

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.



SPECIFIC SAFETY RULES

WARNING: Know your circular saw. Do not plug into the power source until you have read and understand this instruction manual. Learn the tool's 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.



WEAR CSA APPROVED EYE PROTECTION

Always wear eye protection. Any power tool can throw foreign objects into your eyes and cause permanent eye damage. **ALWAYS** wear safety goggles (not glasses) that comply with ANSI safety standard Z87.1. Everyday glasses have only impact resistant lenses. They **ARE NOT** safety glasses.

WARNING: Glasses or goggles not in compliance with ANSI Z87.1 could cause serious injury when they break.

Always keep hands out of the path of the saw blade. Avoid awkward hand positions where a sudden slip could cause your hand to move into the path of the saw blade.

DANGER: Keep hands away from cutting area and the blade. Keep your second hand on the tool. 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 according to the thickness of the workpiece. Less than a full tooth of the blade teeth should be visible below the workpiece or approximately $\frac{3}{8}$ " (10 mm).

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 power tool by insulated gripping surfaces 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 shock the operator.

When ripping always use a straight edge guide. This improves the accuracy of cut and reduces the chance of the 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.

CAUSES AND OPERATOR PREVENTION OF KICKBACK

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 saw 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 the left or right 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 the 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 actions 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 the saw blades are 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.

ADDITIONAL SPECIFIC SAFETY RULES

Use extra caution when making a "plunge cut" into existing walls or other blind areas. The protruding blade may cut objects that can cause kickback.

Check the lower guard for proper closing before each use. Do not operate

SPECIFIC SAFETY RULES (continued)

the saw if the lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position. If the saw is accidentally dropped, the lower guard may be damaged. Raise the lower guard with the retracting handle and make sure it moves freely and does not touch the blade or any other part in all depths of cuts.

Check the operation 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 build-up of debris.

The lower guard should be retracted manually only for special cuts such as "plunge cuts" and "compound cuts". Raise lower guard by retracting handle and as soon as the 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 the bench or on the 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 the switch is released.

Never operate the saw while it is being carried to another location. The blade guard may be open and potentially cause serious injury.

If the switch fails to turn the saw ON or OFF properly, stop using it immediately and have the saw switch repaired.

Always allow the saw to reach full speed before beginning the cut.

Never use the side of the blade for cutting. When making horizontal cuts, make sure the weight of the tool is not forcing the side of the blade to do the cutting. This will reduce the risk of kickback.

Make sure there are no nails or foreign objects in the area of the workpiece to be cut.

Never lay workpiece on hard surfaces like concrete, stone, etc. The protruding blade may cause tool to jump.

DANGER: To avoid injury from accidental starting, always remove the plug from the power source before making any adjustments and before installing or removing a saw blade.

When replacing the blade, make sure the replacement blade is 7 1/4" in diameter and is rated for at least 5,600 RPM. Installing an incorrect blade will result in possible injury and poor cutting action.

After changing a blade or making adjustments, make sure the blade clamp screw is securely tightened. Loose blades and adjustment devices will be violently thrown.

SPECIFIC SAFETY RULES (continued)

Never touch the blade during or immediately after use. After use the blade is too hot to be safely touched with bare hands.

GUIDELINES FOR EXTENSION CORDS

Make sure your extension cord is the proper size. When using an extension cord, be sure to use one heavy enough to carry the current the tool will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The table below shows the correct size to use according to cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number the heavier the cord.

Be sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified electrician before using it. Protect your extension cord from sharp objects, excessive heat and damp or wet areas.

Use a separate electrical circuit for your power tools. This circuit must not be less than 14 gauge wire and should be protected with either a 15A time delay fuse or circuit breaker. Before connecting the power tool to the power source, make sure the switch is in the OFF position and the power source is the same as indicated on the nameplate. Running at lower voltage will damage the motor.

WARNING: Repair or replace damaged or worn extension cords immediately.

Select the appropriate extension cord gauge and length using the chart below.





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.












WARNING: Keep the extension cord clear of the working area. Position the cord so it will not get caught on the workpiece, tools or any other obstructions while you are working with the power tool.

CALIBRE MINIMUM DES RALLONGES ÉLECTRIQUES (AWG) (120 V seulement)					
Intensité nominale		Longueur en pieds			
Plus de	Max. de	7.5 m (25 pi)	15 m (50 pi)	30 m (100 pi)	45 m (150 pi)
0	6	18	16	16	14
6	10	18	16	14	12
10	12	16	16	14	12
12	16	14	12	Sans objet	

SYMBOLS

WARNING: Some of the following symbols may appear on the circular saw. Study these symbols and learn their meaning. Proper interpretation of these symbols will allow for more efficient and safer operation of this tool.

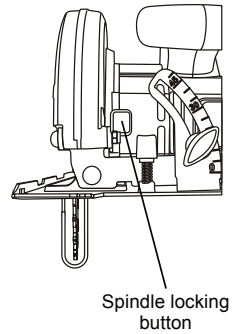
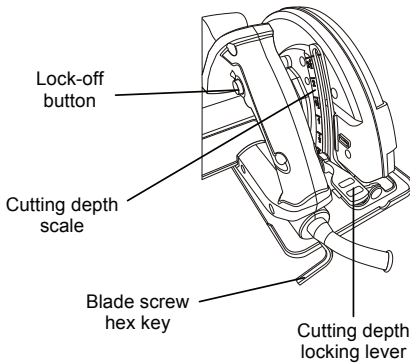
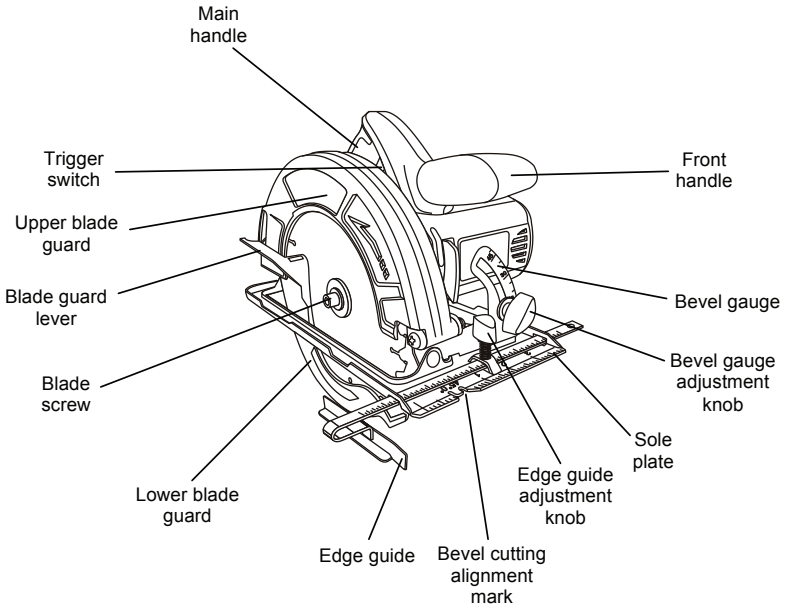
V	Volts
A	Amperes
Hz	Hertz
W	Watts
kW	Kilowatts
μF	Microfarads
L	Liters
kg	Kilograms
H	Hours
N/cm²	Newtons per square centimeter
Pa	Pascals
OPM	Oscillations per minute
Min	Minutes
S	Seconds
 or a.c.	Alternating current
	3-Phase alternating current
	3-Phase alternating current with neutral
	Direct current

n₀	No load speed
	Alternating or direct current
	Class II construction
	Splash-proof construction
	Watertight construction
	Protective grounding at grounding terminal, Class I tools
.../min	Revolutions or reciprocations per minute
∅	Diameter
0	Off position
	Arrow
	Warning symbol
	Wear your safety glasses
	Wear a dust mask
	Wear your hearing protection
	Keep hands away from blade



This symbol designates that this tool is listed with Canadian and U.S. requirements by ETL Testing Laboratories, Inc. Conforms to UL Std. 60745-1, 60745-2-5 Certified to CAN/CSA Std.C22.2 No.60745-1, 60745-2-5.

KNOW YOUR CIRCULAR SAW



ASSEMBLY AND OPERATING

REMOVING A BLADE

WARNING: Always remove the plug from the power source before installing or removing a blade or adjusting the saw in any way.

Place a piece of cardboard on a workbench to protect the blade and the workbench.

Rotate the lower blade guard lever (1) clockwise toward the front of the saw and carefully place the saw on the corrugate with the blade teeth (2) resting on the corrugate (Fig. 1).

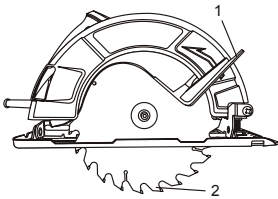


Fig. 1

Pressing on the blade locking lever (3) slowly rotate the blade until the locking lever engages the spindle (Fig. 2).

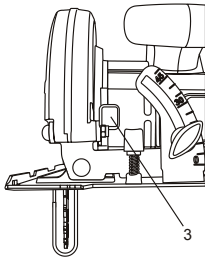


Fig. 2

Insert the 6mm hex key provided into the blade screw (4) (Fig. 3).

Continue to press on the blade locking lever; rotate the blade screw hex key counter clockwise to loosen the blade screw.

Carefully remove the blade screw, outer blade flange (5) and the blade (6).

NOTE: Do NOT remove the inner blade flange from the arbor (7). If it should fall off, make sure the THICKER part of the washer is facing the motor.

To install a new blade, simply reverse the "removing a blade" procedure.

When installing a new blade, make sure you follow these precautions:

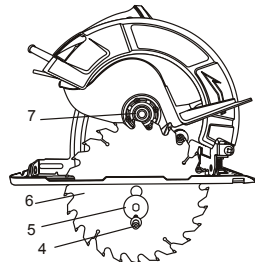


Fig. 3

- Make sure the teeth at the bottom of the blade are pointing toward the front of the saw.
- Check the inner flange washer to make sure the thicker part is pointing toward the motor.
- Place the outer flange washer so the flat surface is against the blade and the rectangular hole properly mated with the arbor.
- Make sure the flanged blade screw is NOT cross threaded and is fully tightened with the wrench provided.
- Before turning the saw ON, carefully rotate the blade by hand to make sure it does not wobble.

ASSEMBLY AND OPERATING (continued)

SETTING THE CUTTING DEPTH

The cutting depth of the blade should be set to suit the thickness of the material being cut. The cutting depth should be approximately $\frac{3}{8}$ " (10 mm) greater than the thickness of the material being cut.

Lift the depth adjustment locking lever (1) upward (Fig. 4).

Pull the sole plate (2) downward until the correct amount of the blade is protruding below the sole plate.

NOTE: The depth indicator (3) will identify the relative depth of cut on the scale (4).

Lock the sole plate at the correct depth by pushing the depth control locking lever downward.

NOTE: Make a test cut on a scrap workpiece to verify the depth setting.

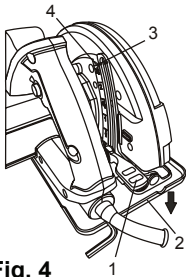


Fig. 4

Rotate the sole plate (2) to the desired angle as shown on the bevel gauge (3).

Lock the sole plate at the correct angle by turning the bevel angle locking screw clockwise.

NOTE: Make a test cut on a scrap workpiece to verify the bevel angle setting.

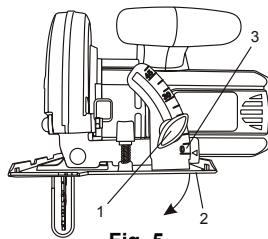


Fig. 5

INSTALLING THE EDGE GUIDE

Loosen the edge guide adjusting knob (1) (Fig. 6).

Slide the edge guide rod (2) into the edge guide slot (3). Continue to slide the edge guide rod across the sole plate and into the edge guide slot (4) under the edge guide adjusting knob.

Adjust the edge guide shoe (5) to the correct distance from the blade and tighten the edge guide adjusting knob.

BEVEL CUTTING

The sole plate can be tilted to provide bevel cuts from 0°–50°.

Adjusting the sole plate bevel angle
Loosen the bevel angle locking screw (1) by turning it counter clockwise (Fig. 5).

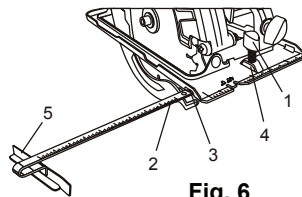


Fig. 6

ASSEMBLY AND OPERATING (continued)

WARNING:

For safety reasons, the operator must read the sections of this Owner's Manual entitled "GENERAL SAFETY WARNINGS", "POWER TOOL SAFETY", "SPECIFIC SAFETY RULES" and "SYMBOLS" before using this circular saw.

Verify the following every time the circular saw is used:

1. The blade is tight and sharp.
2. All adjustments are tight.
3. The workpiece is properly secured.
4. Safety glasses, dust mask and hearing protection are being worn.

Failure to observe these safety rules will significantly increase the risk of injury.

LOCK-OFF SWITCH

The lock-off switch (1) is a safety device designed to reduce the possibility of accidentally starting the saw (Fig. 7). This switch must be depressed before the trigger switch can be depressed.

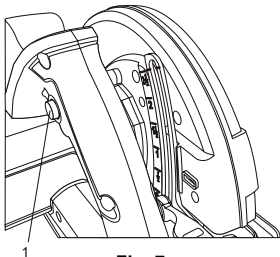


Fig. 7

TRIGGER SWITCH

To turn the saw ON, press the lock-off switch with your thumb (Fig. 7).

While holding the lock-off switch in the pressed position, squeeze the trigger switch (2) to start the saw (Fig. 8).

Once the saw starts, release the lock-off switch. The saw will remain running until the trigger switch is released.

To turn the saw OFF, release the trigger switch.

NOTE: To re-start the saw, the lock-off switch must be pressed again before the trigger switch is squeezed to start the saw.

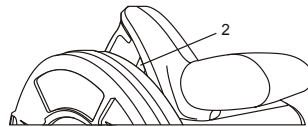


Fig. 8

MATERIALS THAT YOU CAN CUT

The circular saw is a versatile saw that allows you to cut many different types of materials. Some of the materials include:

- Wood products such as lumber, hardwood, plywood, composite board and panelling
- Drywall
- Masonite and plastic

NOTE: There are several different types of blades available. Generally, blades with carbide-tipped teeth cut better and stay sharp longer. Tooth count and configuration are also important. High tooth counts cut slower, and are best suited for making smooth cuts on thinner materials such as panelling. Use the correct blade for your application.

ASSEMBLY AND OPERATING (continued)

GENERAL CUTTING

Make any adjustments to the saw before installing the blade. Adjustments include cutting depth, cutting angle and rip guide (if installed).

Clearly mark the workpiece to locate the position of the cut.

Hold a smaller workpiece with a vise. Clamp a larger workpiece to a workbench or table.

DANGER: Any workpiece that is not adequately clamped in place may come loose and cause serious injury. Never hold the workpiece in your hand.

Make sure there are no nails, screws, clamps or foreign materials in the path of the saw blade.

With both hands firmly gripping the saw, and with the blade NOT in contact with the surface to be cut, start the saw by pressing the lock-off button and then the trigger switch.

Once the saw has reached full speed, place the front edge of the sole plate on the workpiece and gradually bring the moving blade into contact with the workpiece at the appropriate location.

NOTE: To align the saw blade with the cutting mark, use the guide marks on the front of the sole plate (Fig. 9). Use the 0° cutting mark (1) for right angle cuts. Use only the 45° mark (2) for 45° cuts. The 45° mark will allow for the extra material needed for the angle cut. Always make a test cut on a scrap workpiece before cutting the new material.

WARNING: Do not force the circular saw. Use only enough force to keep the blade cutting at full speed. Excessive pressure

on the blade will cause it to slow down and overheat, resulting in poor cut quality and damage to the motor.

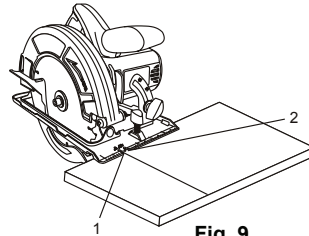


Fig. 9

EDGE GUIDE CUTTING

Set the rip guide foot at the required width (Fig. 6).

NOTE: When starting the cut, make sure the blade is parallel to the edge of the workpiece and the edge guide foot is against the edge of the workpiece.

2. Proceed with the cut as outlined in "GENERAL CUTTING" above.

NOTE: As you move the saw through the workpiece, make sure the edge guide foot stays in contact with the workpiece.

PLUNGE CUTTING

WARNING: To avoid loss of control, damage to the blade or damage to the workpiece, always use extreme caution when making plunge cuts. It is not recommended to plunge cut any material other than wood.

To plunge cut inside the edges of a workpiece, clearly mark the cutting line on the workpiece.

Set the bevel angle to 0° (Fig. 5).

ASSEMBLY AND OPERATING (continued)

Lift the cutting depth locking lever upward to allow the blade to rise above the bottom of the sole plate so the blade will NOT contact the workpiece (Fig. 10). Do NOT lock the cutting depth locking lever.

Set the saw on the workpiece (1) so the sole plate is flat on the workpiece.

Open the blade guard by rotating the blade guard lever (2) forward.

Align the saw blade with the cutting line (3) using the 0° cutting mark on the sole plate.

NOTE: Make sure the saw blade is inside the area to be cut out.

Start the saw and slowly lower the blade onto the workpiece while holding the blade guard lever forward to allow the blade to cut into the workpiece (Fig. 11). Allow the blade to cut through the wood.

Continue lowering the blade into the workpiece until the full cutting depth has been achieved. Continue sawing toward the cutting line and complete the cut as required.

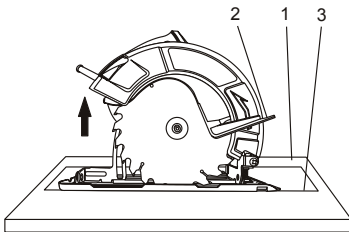


Fig. 10

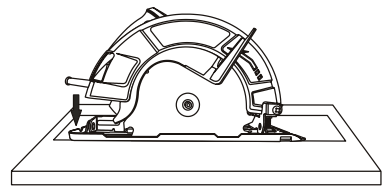


Fig. 11

MAINTENANCE

WARNING: When servicing, use only identical replacement parts. The use of any other part may create a hazard or cause product damage.

DO NOT use solvents when cleaning plastic parts. Plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use a clean cloth to remove dirt, dust, oil, grease etc.

WARNING: Do not allow brake fluids, gasoline, petroleum-based products, penetrating oils, etc. to come into contact with plastic parts. They contain chemicals that can damage, weaken or destroy plastic.

DO NOT abuse power tools. Abusive practices can damage the tool and the workpiece.

WARNING: DO NOT attempt to modify tools or create accessories. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious injury. It will also void the warranty.

It has been found that electric tools are subjected to accelerated wear and possible

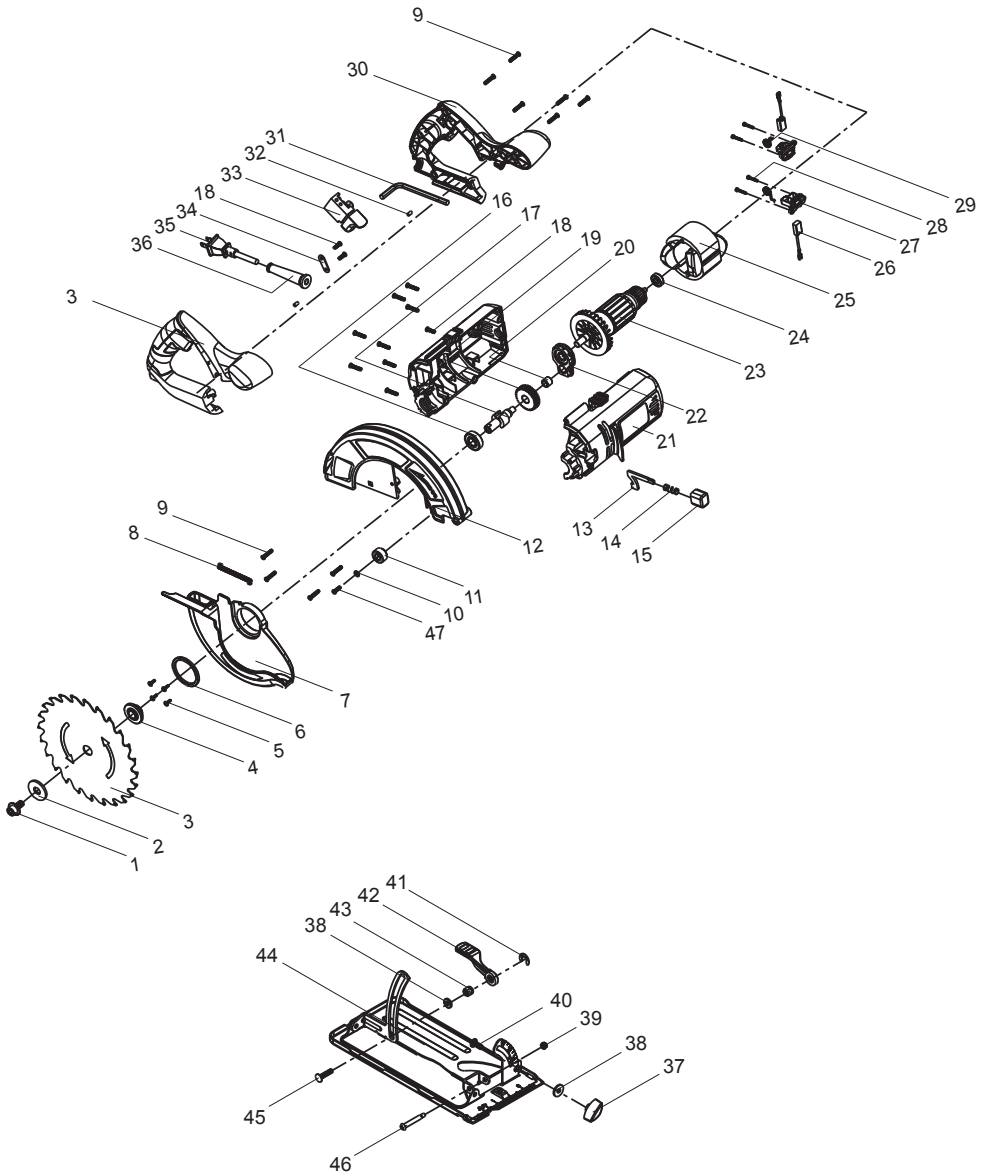
premature failure when they are used on fiberglass boats and sports cars, wallboard, spackling compounds or plaster. The chips and grindings from these materials are highly abrasive to electric tool parts such as bearings, brushes, commutators, etc. Consequently, it is not recommended that this tool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

WARNING: Always wear safety goggles or safety glasses with side shields during all cutting operations. It is critical that you also wear safety goggles or safety glasses with side shields and a dust mask while blowing dust out of the circular saw with an air jet. Failure to take these safety precautions could result in permanent eye or lung damage.

LUBRICATION

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

EXPLODED VIEW



PARTS LIST

WARNING:

When servicing, use only original equipment replacement parts. The use of any other parts may create a safety hazard or cause damage to the circular saw.

Any attempt to repair or replace electrical parts on this circular saw may create a safety hazard unless repairs are performed by a qualified technician. For more information, call the Toll-free Helpline, at 1-866-349-8665 – Friday from 9am to 5pm Eastern Standard Time.

Always order by PART NUMBER, not by key number.

Key #	Part #	Part Name	Quantity
1	4020080070	M8*16 screw	1
2	2030160141	Outer pressing plate	1
3	6070040001	Blade	1
4	2040210043	Inner pressing plate	1
5	4030010241	PWA3x12	4
6	2030160142	Activities cover plate	1
7	3160040090	Activities cover	1
8	2050060231	Activities cover tension spring	1
9	4030010106	ST3.9x19 self-tapping screw	19
10	4040010025	4 Flat washer	1
11	3140090025	Rubber rush block	1
12	2020080044	Fixed cover	1
13	2030250016	The spindle lock lever	1
14	2050040063	The lock lever spring	1
15	3120020140	The spindle lock bar button	1
16	4010010055	Bearing 6001-2RS	1
17	2040040106	Output shaft	1
18	4030010099	ST3.9x14 self-tapping screw	3
19	2040080057	Big gear	1
20	4010020003	BK0810	1

PARTS LIST (continued)

Key #	Part #	Part Name	Quantity
21	3011120011	Housing	1
22	1170050011	Bearing supporter	1
23	1010120017	Rotor	1
24	4010010053	Bearing 607-2RS	1
25	1020120018	Stator	1
26	1230010143	Carbon brush	2
27	1230030029	Brush holder assembly	2
28	4030010034	ST2.9*16 self-tapping screw	4
29	2050020029	Volute spring	2
30	3120070128	Left and right housing	1
31	6140020015	6mm Hex wrench	1
32	3140060002	Cushioning Pad	2
33	1062020064	Switch	1
34	2030050003	The cable clamp	1
35	1190030060	UL plug power cord	1
36	3140010046	Cable guard	1
37	1180050003	Angle adjusting knob	1
38	2030020017	Thickening washer	2
39	4060090001	Prevailing torque type hexagon nut with non-metallic insert	1
40	4050040002	M6X16 Step bolt	1
41	4100050004	9 Split washer	1
42	3120100042	The depth adjustment wrench	1
43	2040150020	M6 Slotted nut	1
44	1150020144	Backplane components	1
45	4050040016	M6X20 Step bolt	1
46	2040140001	M5x39 Cross pin	1
47	4020010003	M4x12	1

WARRANTY

RADLEY 12 AMP CIRCULAR SAW WARRANTY

If this Radley Tool fails due to a defect in material or workmanship within one year from the date of purchase, return it to any Home Hardware store with the original bill of sale for exchange. This warranty does not include expendable parts including but not limited to blades, brushes, belts, light bulbs and/or batteries. This warranty covers defects in material or workmanship only. It does not cover normal wear and tear, failure due to abuse/misuse, or defects caused by careless or accidental mishandling. If this Radley product is used for commercial or rental purposes, this warranty does not apply.

Meet Radley

From putting in custom shelves to putting in a deck. The Radley Circular Saw is about to be your new DIY sidekick. Complete with a dust blower to keep your cut lines clean and complete with an adjustable steel base to enable bevel cuts, this is a saw that's made to make your life a whole lot easier.



Radley®

EXCLUSIVE TO HOME HARDWARE

For information on the entire line-up of Radley power tools visit homehardware.ca or your local Home Hardware retail store.

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