



241-9869



## 7-1/4 IN. CIRCULAR SAW

Owner's Manual

### SAVE THIS MANUAL

You will need this manual for safety instructions, operating procedures and warranty.  
Put it and the original sales receipt in a safe dry place for future reference.  
For questions about this product, please call 1-800-868-7421

# IMPORTANT SAFETY INSTRUCTIONS



## WARNING!

When using electric tools, machines or equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury.



## READ ALL INSTRUCTIONS BEFORE USING THIS TOOL

### 1. WARNING

**Read and understand all instructions.** Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

### 2. WORK AREA

- a. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
- b. **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.
- c. **Keep bystanders, children and visitors away while operating a power tool.** Distractions can cause you to lose control.

### 3. ELECTRICAL SAFETY

- a. **Double insulated tools are equipped with a polarized plug (one prong 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.** Double insulation eliminates the need for the three-wire grounded power cord and grounded power supply system.
- b. **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.
- c. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d. **Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately.** Damaged cords increase the risk of electric shock.
- e. **When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W".** These cords are rated for outdoor use and reduce the risk of electric shock.

### 4. PERSONAL SAFETY

- a. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tools 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.
- b. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.
- c. **Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
- d. **Remove adjusting keys or switches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
- e. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tools in unexpected situation.
- f. **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat or hearing protection must be used for appropriate conditions.

# IMPORTANT SAFETY INSTRUCTIONS



## 5. TOOL USE AND CARE

- a. **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.
- b. **Do not force tool. Use the correct tools for your application.** The correct tools will do the job better and safer at the rate for which it is designed.
- c. **Do not use tools if switch does not turn it on or off.** Any tool that can not be controlled with the switch is dangerous and must be repaired.
- d. **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 tools accidentally.
- e. **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
- f. **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.
- g. **Check for misalignment or binding of moving parts, breakage of parts and any other conditions that may affect the tools operation.** If damaged, have the tools serviced before using. Many accidents are caused by poorly maintained tools.
- h. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.

## 6. SERVICE

- a. **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
- b. **When servicing a tool, use only identical replacement parts.** Follow instructions in the maintenance section of the manual. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

## 7. Hold 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.

## 8. Ensure the extension cord you use is of sufficient gauge for its length.

| Amps from Tool Nameplate | Recommended Minimum Wire Gauge for Extension Cords |            |            |             |             |             |
|--------------------------|----------------------------------------------------|------------|------------|-------------|-------------|-------------|
|                          | 25' length                                         | 50' length | 75' length | 100' length | 150' length | 200' length |
| 0-5amps                  | 16 ga.                                             | 16 ga.     | 16 ga.     | 14 ga.      | 12 ga.      | 12 ga.      |
| 5.1-8amps                | 16 ga.                                             | 16 ga.     | 14 ga.     | 12 ga.      | 10 ga.      | Do Not Use  |
| 8.1-12amps               | 14 ga.                                             | 14 ga.     | 12 ga.     | 10 ga.      | Do Not Use  | Do Not Use  |
| 12.1-15 amps             | 12 ga.                                             | 12 ga.     | 10 ga.     | 10 ga.      | Do Not Use  | Do Not Use  |
| 15.1-20 amps             | 10 ga.                                             | 10 ga.     | 10 ga.     | Do Not Use  | Do Not Use  | Do Not Use  |

## 9. STAY ALERT.

Watch what you are doing & use common sense. Don't operate any tool when tired.

# SAFETY INSTRUCTIONS FOR CIRCULAR SAWS



1. **DANGER! Keep hands away from cutting area and blade. Keep your second hand on auxiliary handle or motor housing.** If both hands are holding the saw, they cannot be cut by the blade. **Keep your body positioned to either side of the saw blade, but not in line with the saw blade.** Kickback could cause the saw to jump backwards. (See Safety Instruction # 10. Causes and Operator Prevention of Kickback:) **Do not reach underneath the work.** The guard cannot protect you from the blade below the work.
2. **Check lower guard for proper closing before each use. Do not operate saw if lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position.** If saw is accidentally dropped, lower guard may be bent. With the power to the saw disconnected, 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 angles and depths of cut.
3. **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.** Lower guard may operate sluggishly due to damaged parts, gummy deposits, or a buildup of debris.
4. **Lower guard should be retracted manually only for special cuts such as "Pocket Cuts" and "Compound Cuts." Raise lower guard by Retracting Handle. As soon as blade enters the material, lower guard must be released.** For all other sawing, the lower guard should operate automatically.
5. **Always observe that the lower guard is covering the blade before placing saw down on bench or floor.** An unprotected, coasting blade will cause the saw to walk backwards, cutting whatever is in its path. Be aware of the time it takes for the blade to stop after switch is released.
6. **NEVER hold piece being cut in your hands or across your leg.** It is important to support the work properly to minimize body exposure, blade binding, or loss of control. Use vises, clamps, or other appropriate supports to securely hold the workpiece.
7. **When ripping always use a rip fence or straight edge guide.** This improves the accuracy of cut and reduces the chance for blade binding.
8. **Always use blades with correct size and shape (diamond vs. round) arbor holes.** Blades that do not match the mounting hardware of the saw will run eccentrically, causing loss of control.
9. **Never use damaged or incorrect blade washers or bolts.** The blade washers and bolt were specially designed for your saw, for optimum performance and safety of operation.
10. **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 tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:
  - ♦ **Maintain a firm grip on the saw and position your body and arm in a way that allows you to resist kickback forces.** Kickback forces can be controlled by the operator, if proper precautions are taken.
  - ♦ **When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or kickback may occur.** Investigate and take corrective 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 teeth are not engaged into the material.** If saw blade is binding, it may walk up or kickback from the workpiece as the saw is restarted.
  - ♦ **Support large panels to minimize the risk of blade pinching and kickback.** Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel.
  - ♦ **Do not use dull or damaged blade.** Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding, and kickback.

# SAFETY INSTRUCTIONS FOR CIRCULAR SAWS



- ♦ **Blade depth and bevel adjusting locking levers must be tight and secure before making cut.** If blade adjustment shifts while cutting, it will cause binding and kickback.
- ♦ **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.
- 11. **Always wear ANSI-approved safety impact eye goggles and heavy work gloves when using the Circular Saw.** Using personal safety devices reduces the risk of injury.
- 12. **Always connect the Line Cord to a Ground protected electrical outlet.**  
**WARNING! People with pacemakers should consult their physician(s) before using this product.** Electromagnetic fields in close proximity to a heart pacemaker could cause interference to or failure of the pacemaker. In addition, people with pacemakers should adhere to the following:
  - Avoid operating power tools alone.
  - Don't use a power tool with the power switch locked on.
  - Be certain that the tool is properly grounded. A ground fault interrupt (GFCI) system is also a good precaution. This inexpensive device is a good safety measure because it prevents a sustained electrical shock.
  - Properly maintain and inspect all tools before use to avoid electrical shock.



## WARNING!

Improperly connecting the grounding wire can result in the risk of electric shock. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the tool or product. Never remove the grounding prong from the plug. Do not use the tool if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

# SPECIFICATIONS

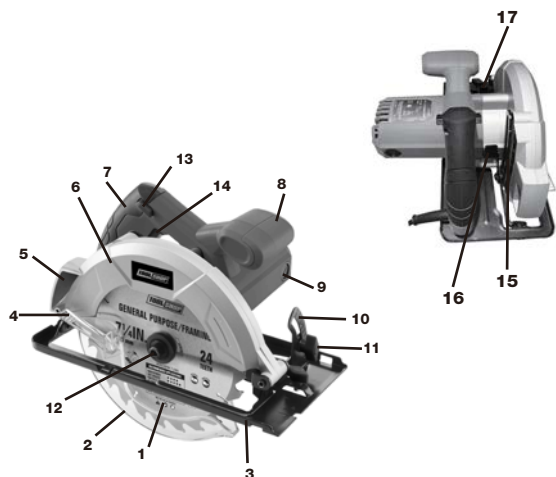
## Circular Saw

- ♦ Rated Input: 10 Amp
- ♦ No-load Speed: 5800/min
- ♦ Cutting capacity @ 90°: 2-7/16"  
@ 45°1-13/16"

## Includes:

- ♦ 1 saw blade
- ♦ 1 wrench

# KNOWING YOUR CIRCULAR SAW



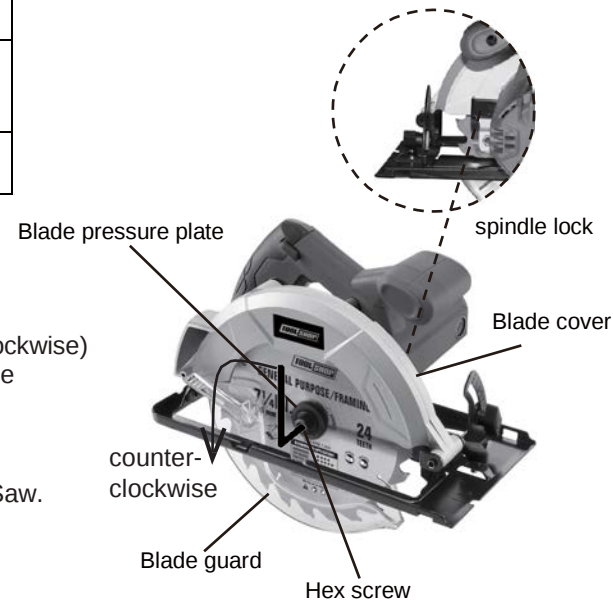
- |                          |                           |
|--------------------------|---------------------------|
| 1. Saw Blade             | 11. Angle Adjust Wing Nut |
| 2. Blade Cover           | 12. Hex Screw             |
| 3. Base Plate            | 13. Lock-Off Button       |
| 4. Lower Guard Lever     | 14. Trigger Switch        |
| 5. Dust Extraction Chute | 15. Depth Guide Bracket   |
| 6. Blade Guard           | 16. Depth Lever           |
| 7. Rear Handle           | 17. Spindle Lock          |
| 8. Front Handle          |                           |
| 9. Brush Cap             |                           |
| 10. Bevel Scale Bracket  |                           |

# ASSEMBLY AND OPERATION

## Installing a Saw Blade

1. Use only a 7-1/4 in. (185mm) Saw Blade. The saw blade speed rating must be at least 5800 RPM. Refer to the following table for saw blade applications and types.

| APPLICATION                             | BLADE DESCRIPTION          | NO. OF TEETH | TYPE OF CUT                |
|-----------------------------------------|----------------------------|--------------|----------------------------|
| Fine Trim Molding                       | Precision Trim Carbide     | 60~100       | Very smooth, splinter free |
| Trim, Framing, Pressure Treated Decking | Combination, multi-purpose | 24~60        | Smooth, fast cut           |
| Aluminum                                | Non-ferrous metal cutting  | 60~80        | ....                       |



2. Unplug the circular saw from the electrical outlet.
3. Raise the Blade Guard as far as possible. See photo on the right.
4. Hold the Blade Guard up and press the Spindle Lock Button with one hand. Rotate the Saw Blade until the Spindle Lock catches and the blade stops.
5. Using the supplied Saw Blade Hex Key in the other hand, loosen (counterclockwise) the left-hand threaded Hex Screw. Remove the Saw Blade Hex Screw, Blade Pressure Plate, then the Saw Blade.
6. Clean out Blade Cover of any debris.
7. Place the new Saw Blade over the Spindle hole. The Saw Blade teeth at the bottom of the saw blade should be pointing toward the back of the Circular Saw.
8. Place the Blade Pressure Plate over the Spindle hole, then insert the Hex Screw.
9. Press the Spindle Lock Button with one hand and tighten the Blade Screw (clockwise) using the Hex Key with the other hand.

## Adjusting the Saw Prior to Cutting

**CAUTION: Always make sure the Power Cord is unplugged from its electrical outlet prior to making any adjustments to the tool.**

1. To adjust the **angle** of blade from 0 to 45 degrees, loosen wing nut and move base plate down, observing the degrees indicated on the Angle Bracket. Tighten wing nut. (Fig. A)
2. To adjust the **depth** of the cut, lift depth lever and move base plate down (or up) while observing the amount of saw blade exposed under base plate. Push Down on the depth lever to lock in new depth setting. (Fig. B)

## Prepare Material Before Cutting (Fig. C)

1. Support large panels to minimize risk of blade pinching and saw kickback.
2. Use the supplied guide fence when ripping material by sliding it into the base plate, and tightening screw.
3. Securely clamp material to be cut to work bench.
4. Ensure the circular saw does not cut into supports or workbench.
5. Use the appropriate type of blade for the material you are cutting.

## General Cutting

**Caution: Verify that Saw Blade is securely tightened and both angle and height adjusting nuts and levers are tight. Read and understand all safety precautions listed in this instruction manual.**

1. Hold the circular saw by both handles. Always keep hands and fingers away from the saw blade.
2. Push in and hold the lock-off button, then squeeze the trigger switch with the index finger. Do this before the saw blade touches the material.
3. With the saw at full speed, move the saw slowly forward to complete the cut.
4. When the cut is complete, release the trigger switch. Do not set the saw down until the blade stops turning.

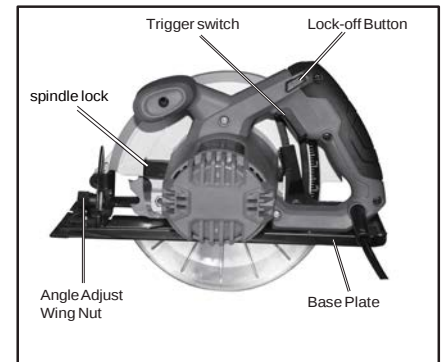


Fig. A



Fig. B

# ASSEMBLY AND OPERATION

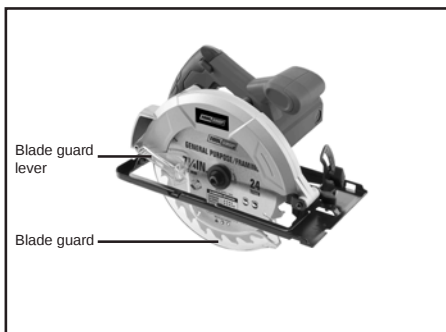
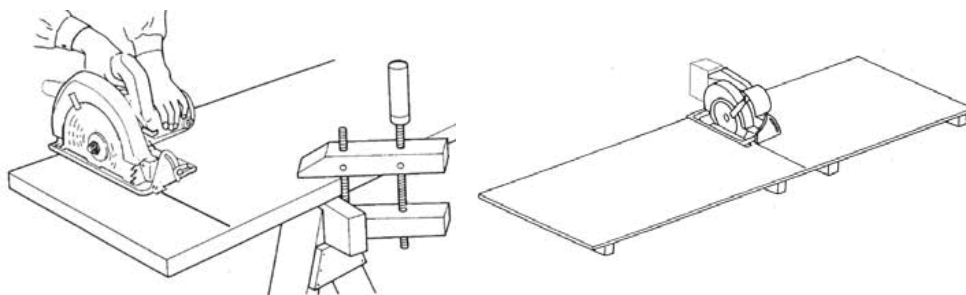


Fig. C

## Pocket Cuts

1. Tilt the saw forward with the cutting guide notch of the base plate on the line drawn for the cut.
2. Raise the blade guard with the blade guard lever.
3. With the saw blade just above the material to be cut, start the saw and allow the saw blade to come to full speed.
4. Gradually lower the saw blade onto the stock using the front end of the base plate as a pivot point.
5. When the cutting begins, release the blade guard.
6. When the base plate is resting flat on the stock being cut, proceed cutting in a forward direction to the end of the cut.
7. When the cut is complete, release the trigger switch and wait for the saw blade to come to a stop before lifting the saw out of the cut.
8. If necessary, complete the cut from the opposite direction in the same manner described above.

**Caution:** Never pull the saw backwards since the saw blade will climb out of the cut and kickback will occur.



# MAINTENANCE



## WARNING!

Make sure the Power Switch of the Circular Saw is in its "OFF" position, and that the tool is unplugged from its electrical outlet, before performing any inspection, maintenance, or cleaning procedures.



- ◆ Before each use, inspect the general condition of the circular saw. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, and any other condition that may affect its safe operation. If abnormal noise or vibration occurs, have the problem corrected before further use.
- ◆ Before remounting the saw blade, remove all sawdust that has accumulated around the safety guard.
- ◆ Regularly inspect and tighten all mounting screws and knobs.
- ◆ Keep saw blade clean and sharp. Sharp blades minimize stalling and kickback.
- ◆ Keep guards in good working order.
- ◆ Keep motor air vent clean of dust and debris. Vacuum periodically.
- ◆ If the tool is not operating normally, making unusual noises, or appears defective, stop using it immediately and get it repaired.
- ◆ Clean tool with a damp cloth and light detergent. Do not use solvents as they can damage and crack the plastic parts.

# MAINTENANCE

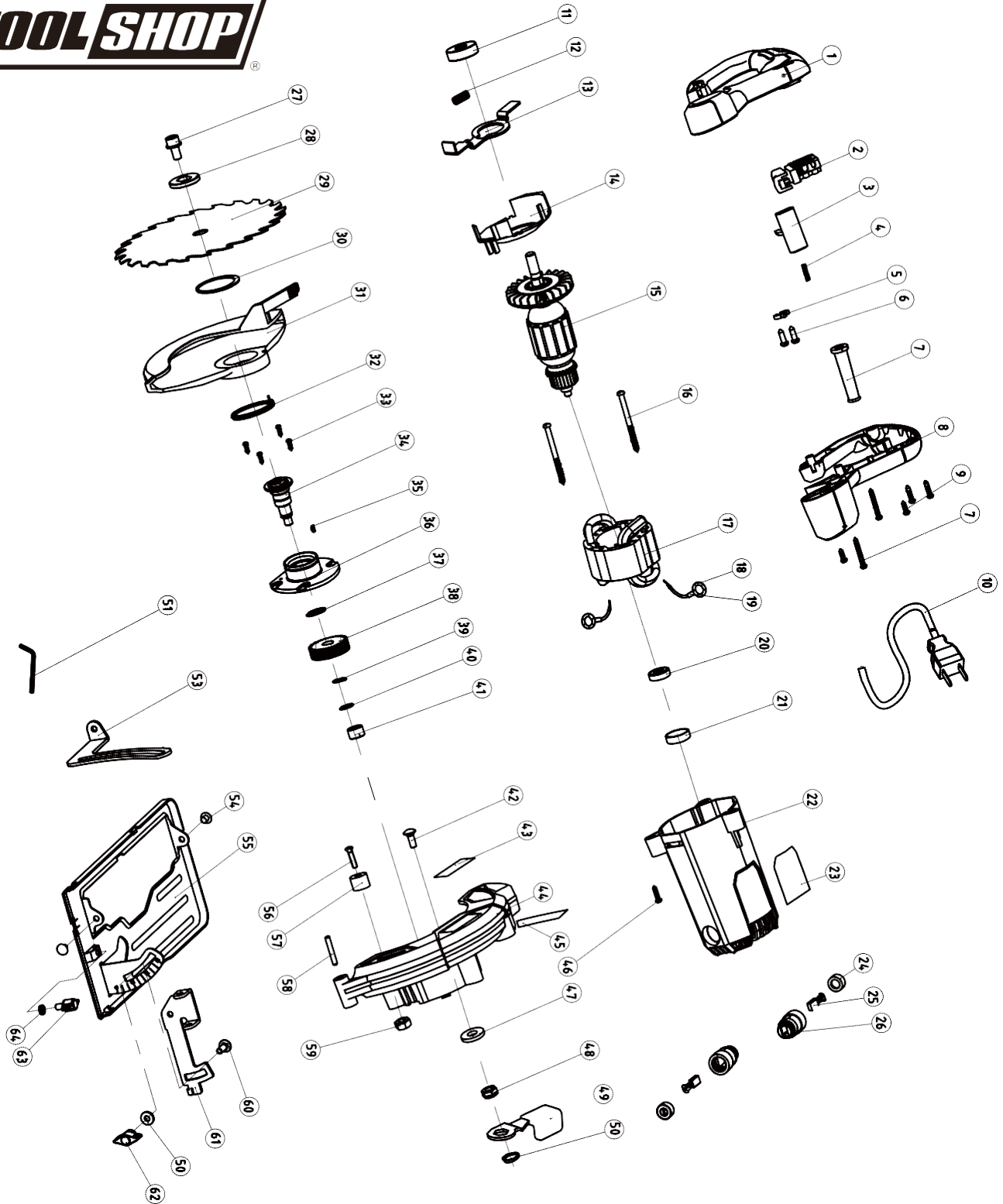
## TROUBLESHOOTING

| Symptom                                     | Possible                                                  | Remedy                                      |
|---------------------------------------------|-----------------------------------------------------------|---------------------------------------------|
| Saw does not start when trigger is pulled.  | 1.No power to line cord.                                  | 1.Check electrical outlet for power.        |
|                                             | 2.Switch lock button not pushed in while pulling trigger. | 2.Press in button while pulling trigger.    |
|                                             | 3.Defective switch.                                       | 3.Replace switch.                           |
|                                             | 4.Carbon brushes dirty or worn down.                      | 4.Clean or replace carbon brushes.          |
| While cutting, saw slows down.              | Carbon brushes dirty or worn down.                        | Clean or replace carbon brushes.            |
| Saw blade slips while cutting.              | Hex screw loose.                                          | Securely tighten hex screw                  |
| Blade guard sticks or does not open easily. | Debris buildup in the blade cover                         | Remove saw blade and clean out blade cover. |
| Wood burns or smokes while being            | Saw blade dull.                                           | Sharpen or replace saw blade.               |

## PARTS LIST

| Part No. | Description                          | Qty | Part No. | Description                            | Qty |
|----------|--------------------------------------|-----|----------|----------------------------------------|-----|
| 1        | Right handle                         | 1   | 33       | Self-tapping screw ST4.2×14            | 4   |
| 2        | Switch 120V                          | 1   | 34       | Spindle                                | 1   |
| 3        | Lock off lever                       | 1   | 35       | Woodruff key 3X10X3.7                  | 1   |
| 4        | Spring for lock off lever            | 1   | 36       | Front cover                            | 1   |
| 5        | Power cord clamp                     | 1   | 37       | Circlip for shaft 17                   | 1   |
| 6        | Self-tapping screw ST4.2×14          | 6   | 38       | Gear                                   | 1   |
| 7        | Power cord sleeve                    | 1   | 39       | Washer 12                              | 1   |
| 8        | Left handle                          | 1   | 40       | Circlip for shaft 12                   | 1   |
| 9        | Self-tapping screw ST4.8×55          | 2   | 41       | Oil bearing                            | 1   |
| 10       | Power cord                           | 1   | 42       | Square neck bolt M6×16                 | 1   |
| 11       | Bearing 6000-2Z                      | 1   | 43       | Brand label                            | 1   |
| 12       | Spring for spindle lock              | 1   | 44       | Upper guard                            | 1   |
| 13       | Spindle lock plate                   | 1   | 45       | Depth scale label                      | 1   |
| 14       | Fan guide                            | 1   | 46       | Self-tapping screw ST4.8×30            | 1   |
| 15       | Rotor 120V                           | 1   | 47       | Washerφ6Xφ14X1.5                       | 1   |
| 16       | Self-tapping screw ST4.2×50          | 2   | 48       | Nut M6                                 | 1   |
| 17       | Stator 120V                          | 1   | 49       | Depth locking lever                    | 1   |
| 18       | Tension spring for carbon brush hold | 2   | 50       | Circlip for shaft 10                   | 1   |
| 19       | H buckle                             | 2   | 51       | Allen key                              | 1   |
| 20       | Bearing 607-2Z                       | 1   | 53       | Depth scale bracket                    | 1   |
| 21       | Sleeve for bearing                   | 1   | 54       | Thin flat head socket shank rivet 6×7  | 2   |
| 22       | Motor housing                        | 1   | 55       | Baseplate                              | 1   |
| 23       | Nameplate                            | 1   | 56       | Countersink philips screw M6×25        | 1   |
| 24       | Carbon brush cover                   | 2   | 57       | Rubber block for lower guard           | 1   |
| 25       | Carbon brush (120V)                  | 2   | 58       | Cylindrical spring pin 6X40            | 1   |
| 26       | Carbon brush holder (120V)           | 2   | 59       | Hexagon nut M6                         | 1   |
| 27       | Hexagonal screws M8X16               | 1   | 60       | Square neck bolt M6×12                 | 1   |
| 28       | Outer flange                         | 1   | 61       | Bevel scale bracket                    | 1   |
| 29       | Blade                                | 1   | 62       | Bevel locking knob                     | 1   |
| 30       | Baffle                               | 1   | 63       | Parallel guide locking knob            | 1   |
| 31       | Lower guard                          | 1   | 64       | Spring for parallel guide locking knob | 1   |
| 32       | Spring for lower guard               | 1   |          |                                        |     |

# EXPLODED VIEW



## WARNING!

Repairs should be made by an authorized repair center. Do not open or disassemble this power tool.

# **TOOL SHOP® 10A 7-1/4" CIRCULAR SAW WARRANTY**

## **1-YEAR LIMITED WARRANTY:**

This TOOL SHOP® brand power tool carries a 1-Year Limited Warranty to the original purchaser. If the tool fails within one (1) year from the date of purchase, simply bring this tool with your original sales receipt back to your nearest MENARDS® retail store. At its discretion, TOOL SHOP® agrees to have the tool replaced with the same or similar TOOL SHOP® product free of charge, within the stated warranty period, when returned by the original purchaser with original sales receipt. Notwithstanding the foregoing, this limited warranty does not cover any damage that has resulted from abuse or misuse of the Merchandise. This warranty: (1) excludes expendable parts including but not limited to blades, belts, bits, light bulbs, and/ or batteries; (2) shall be void if this tool is used for commercial and/or rental purposes; and (3) does not cover any losses, injuries to persons/property or costs. This warranty does give you specific legal rights and you may have other rights, which vary from state to state. Be careful, tools are dangerous if improperly used or maintained. Seller's employees are not qualified to advise you on the use of this Merchandise. Any oral representation(s) made will not be binding on seller or its employees. The rights under this limited warranty are to the original purchaser of the Merchandise and may not be transferred to any subsequent owner. This limited warranty is in lieu of all warranties, expressed or implied including warranties or merchantability and fitness for a particular purpose. Seller shall not be liable for any special, incidental, or consequential damages. The sole exclusive remedy against the seller will be for the replacement of any defects as provided herein, as long as the seller is willing or able to replace this product or is willing to refund the purchase price as provided above. For insurance purposes, seller is not allowed to demonstrate any of these power tools for you.

**For questions / comments, technical assistance or repair parts –  
Please call toll free at: 1-800-868-7421 (M-F 8am – 5pm EST)**

**SAVE YOUR RECEIPTS. THIS WARRANTY IS VOID WITHOUT THEM.**

