



241-9865

6 AMP RECIPROCATING SAW

Owner's Manual



TOLL FREE
HELP LINE: **800-868-7421**

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.

SPECIFICATIONS

- Model: -----MRS600SE
- Rated power: ----- 120V~/ 60Hz, 6.0A
- No Load Speed: -- 0-2800 SPM
- Stroke Length: --- 3/4" (20mm)
- Net Weight: ----- 4.9 lb.

Includes: Wood-Cutting Blade, Metal Cutting Blade, and Allen Wrench

⚠ WARNING: To reduce the risk of injury, user must read and understand this operator's manual before operating this tool. Save this Manual for future reference.

Toll-Free Help Line: 1-800-868-7461



⚠ WARNING: The Operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning tool operation, always wear safety goggles or safety glasses with side shields and a full face shield when needed. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always wear eye protection which is marked to comply with ANSI Z87.1.



Look for this symbol to point out important safety precautions. It means attention!!! Your safety is involved.

GENERAL SAFETY RULES

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

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

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

⚠ WARNING: Read and understand all warnings, cautions and operating instructions before using this equipment. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

WORK AREA SAFETY

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

ELECTRICAL SAFETY

- **Power tool plugs must match the outlet.** Never modify the plug in any way. Do not use any adaptor plugs in any earthed (grounded) power tools. 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. Double insulation eliminates the need for the three wire grounded power cord and grounded power supply system.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the 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 grounded.
- **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 cords increase the risk of electric shock.
- **When operating a power tool outside, use an extension cord suitable for outdoor use.** These cords are rated for outdoor use and reduce the risk of electric shock.
- **Do not use AC only rated tools with a DC power supply.** While the tool may appear to work. The electrical components of the AC rated tool are likely to fail and rate a hazard to the operator.

PERSONAL SAFETY

- **Stay alert,** watch what you are doing and use common sense when operating a power tool. 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.
- **Use safety equipment.** Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection for appropriate conditions will reduce personal injuries.
- **Dress properly.** Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts. Air vents may cover moving parts and should be avoided.
- **Avoid accidental starting.** Ensure the switch is in the off position before plugging in. Carrying power tool with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- **Remove any adjusting keys or wrenches before turning the power tool on.** A wrench or key that is left attached to a rotating part of the tool may result in personal injury.
- **Do not overreach.** Maintain proper footing and balance at all times. Loss of balance can cause an injury in an unexpected situation.
- **If devices are provided for connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust related hazards.
- **Do not use a ladder or unstable support.** Stable footing on a solid surface enables better control of the tool in unexpected situations.
- **Keep tool handles dry, clean and free from oil and grease.** Slippery handles cannot safely control the tool.

TOOL USE AND CARE

- **Secure the workpiece.** Use clamp or other practical way to hold the workpiece to a stable platform. Holding the workpiece by hand or against your body is unstable and may lead to loss of control.
- **Do not force the power tool.** The tool will perform the job better and safer at the feed rate for which it is designed. Forcing the tool could possibly damage the tool and may result in personal injury.
- **Use the correct power tool for the job.** Don't force the tool or attachment to do a job for which it is not designed.
- **Do not use 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 or replaced by an authorized service center.

- **Turn power tool off, and disconnect the plug** from the power source and/or battery pack from the power tool before making any adjustments, changing the accessories, or storing the tools. Such preventive safety measures reduce the risk of an accidental start up which may cause personal injury.
- **Store idle tool out of reach of children and other inexperienced persons.** It is dangerous in the hand of untrained users.
- **Maintain power tools with care.** Check for proper alignment and binding of moving parts, component breaks, and any other conditions that may affect the tool's operation. A guard or any other part that is damaged must be properly repaired or replaced by an authorized service center to avoid risk of personal injury.
- **Use recommended accessories.** Using accessories and attachments not recommended by the manufacturer or intended for use on this type tool may cause damage to the tool or result in personal injury to the user. Consult the operator's manual for recommended accessories.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **Feed the workpiece in the correct direction and speed.** Feed the workpiece into a blade, cutter, or abrasive surface against the direction of the cutting tool's direction of rotation only. Incorrectly feeding the workpiece in the same direction may cause the workpiece to be thrown out at high speed.
- **Never leave the tool running unattended, turn the power off.** Do not leave the tool until it comes to a complete stop.
- **Never start the power tool when any rotating component is in contact with the workpiece.**

⚠ WARNING: USE OF THIS TOOL CAN GENERATE AND DISBURSE DUST OR OTHER AIRBORNE PARTICLES, INCLUDING WOOD DUST, CRYSTALLINE SILICA DUST AND ASBESTOS. Direct particles away from face and body. Always operate tool in a well-ventilated area and provide for proper dust removal. Use dust collection system wherever possible. Exposure to the dust may cause serious and permanent respiratory or other injury, including silicosis (a serious lung disease), cancer, and death. Avoid breathing the dust, and avoid prolonged contact with the dust. Allowing dust to get into your mouth or eyes, or lay on your skin may promote absorption of harmful material. Always use properly fitting NIOSH/OSHA approved respiratory protection appropriate for dust exposure, and wash exposed areas with soap and water.

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.
- **Service your power tool periodically.** When cleaning a tool, be careful not to disassemble any portion of the tool since internal wires may be misplaced or pinched.

SAVE THESE INSTRUCTIONS

EXTENSION CORDS

Grounded tools require a three wire extension cord. Double insulated tools can use either a two or three wire extension cord. As the distance from the power supply outlet increases, you must use a heavier gauge extension cord. Using extension cords with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible tool damage. Refer to the table shown below to determine the required minimum wire size.

The smaller the gauge number of the wire, the greater the capacity of the cord. For example: a 14-gauge cord can carry a higher current than a 16-gauge cord. When using more than one extension cord to make up the total length, be sure each cord contains at least the minimum wire size required. If you are using one extension cord for more than one tool, add the nameplate amperes and use the sum to determine the required minimum wire size.

Guidelines for Using Extension Cords

- If you are using an extension cord outdoors, be sure it is marked with the suffix “W-A” (“W” in Canada) to indicate that it is acceptable for outdoor use.
- Be sure your extension cord is properly wired and in good electrical condition. Always replace a damaged extension cord or have it repaired by a qualified person before using it.
- Protect your extension cords from sharp objects, excessive heat, and damp or wet areas.

Recommended Minimum Wire Gauge for Extension Cords (120 Volt)						
Nameplate Amperes (At Full Load)	Extension Cord Length					
	25 Feet	50 Feet	75 Feet	100 Feet	150 Feet	200 Feet
0–2.0	18	18	18	18	16	16
2.1–3.4	18	18	18	16	14	14
3.5–5.0	18	18	16	14	12	12
5.1–7.0	18	16	14	12	12	10
7.1–12.0	18	14	12	10	8	8
12.1–16.0	14	12	10	10	8	6
16.1–20.0	12	10	8	8	6	6

SPECIFIC SAFETY RULES FOR RECIPROCATING SAWS

⚠ WARNING: DO NOT LET COMFORT OR FAMILIARITY WITH PRODUCT (GAINED FROM REPEATED USE) REPLACE STRICT ADHERENCE TO PRODUCT SAFETY RULES. If you use this tool unsafe or incorrectly, you can suffer serious personal injury!

- **Hold the tool by insulated gripping surfaces** when performing an operation where the tool may contact hidden wiring. Contact with a “live” wire will make exposed metal parts of the tool “live” and shock the operator.
- **Always wear safety glasses or goggles.** Normal prescription eye or sunglasses are not safety glasses.
- **Always hold the tool firmly.** DO NOT leave the tool running unless hand held.
- **Check your work area for proper clearances before cutting.** This will avoid cutting into your workbench, the floor, etc.
- **Do not cut oversized workpieces.**
- **DO NOT cut nails or screws** unless you are using a blade specifically designed for this purpose. Inspect your material before cutting.
- **Before switching on the tool, be sure the blade is not contacting the workpiece.**
- **Keep hands away from moving parts** and on the top surface of the workpiece. Do not place hands below work surface while saw is operating.
- **Always allow the blade to completely stop** before removing from the workpiece. Do not touch the blade, it is hot and may cause a serious burn.

⚠ WARNING: Read and understand all warnings, cautions and operating instructions before using this equipment. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

SYMBOLS

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

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
V	Volts	 or A.C.	Alternating current
A	Amperes	 or D.C.	Direct current
Hz	Hertz		Class II construction Double Insulated construction
W	Watts		Warning symbol. Precautions that involve your safety
n_o	No Load Speed		To reduce the risk of injury, read Operator's Manual before using this product.
kg	Kilograms		Wear safety glasses, ear protection and respiratory protection
H	Hours		Do not dispose with household waste
RPM	Revolutions per minute		Do not touch the running blade
SPM	Strokes per minute		Do not use in wet conditions
OPM	Oscillations per minute		Do not put battery in fire
.../min	Per minute		Battery cannot exceed 59° C



This symbol designates that this product is listed with U.S. and Canada requirements by ETL testing Laboratories, Inc.

KNOWING YOUR RECIPROCATING SAW

- 1. Trigger Switch
- 2. Lock-On Button
- 3. Rear Handle
- 4. Quick-Release Blade Clamp
- 5. Pivoting Shoe
- 6. Blade
- 7. Rubber Boot

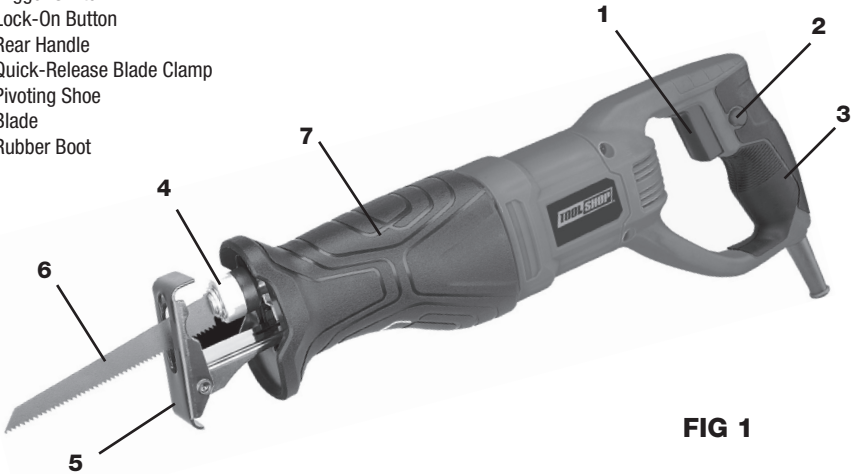


FIG 1

UNPACKING AND CONTENTS

IMPORTANT: Due to modern mass production techniques, it is unlikely the tool is faulty or that a part is missing. If you find anything wrong, do not operate the tool until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

CONTENTS IN PACKAGE

Description	Q'ty	Description	Q'ty
Reciprocating Saw	1	Allen Wrench	1
Wood-Cutting Blade	1	Operator's Manual	1
Metal Cutting Blade	1		

ASSEMBLY AND ADJUSTMENTS

⚠ WARNING: Always be sure that the tool is switched off and unplugged before adjusting, adding accessories, or checking a function on the tool.

BLADE INSTALLATION

Check that the blade you are inserting matches the material you are cutting. Start with a sharp blade. Twist the Quick-Release Blade Clamp (4) as far as it will go in the direction of the engraved arrow (counterclockwise if facing the saw). Slip the new blade into blade clamp as far as it will go. Release the blade clamp. The new blade should now be securely fastened.

CAUTION: Make sure the blade is securely fastened each time before using the saw.

ADJUSTING THE DEPTH OF CUT

The Front Pivoting Shoe (5) can be adjusted to change the depth of cut of your reciprocating saw. To adjust the depth of cut, loosen the two Front Shoe Locking Screws (located on the bottom of the Saw Boot) by inserting the provided Allen wrench and rotating counter-clockwise. Set your depth of cut (Note: ideal depth of cut is 1" deeper than material to be cut), then tighten the Front Shoe Locking Screws securely.

OPERATION

SWITCH ACTION

⚠ WARNING: Before plugging in the tool, always check to see that the tool is switched off. Accidentally starting the saw could cause personal injury.

The saw is equipped with a variable-speed Trigger Switch (1), and a Lock-On Button (2) for extended use.

To Start the Saw, depress the switch (1). Depressing the switch further will produce more speed.

For extended use, you may set Lock-On Button to relieve the fatigue. Depress the switch to the max speed, depress the Lock-On Button to lock the switch on. To release the lock-on button, depress the switch.

To Stop the Saw, release the switch. If the Lock-On Button is in use, depress the switch first and then release it to stop the saw.

OPERATING THE SAW

CUTTING ACTION

The reciprocating saw blade is doing most of its cutting as it travels towards the operator. Depending on the type of material and cutting speed, this can cause splintering on the surface of the workpiece that is facing the operator. Therefore, if possible, position yourself or the workpiece so that the desired “good” side of the workpiece is facing away from the operator.

GENERAL CUTTING

Clamp your workpiece if it is portable. Rest the front shoe of the saw on your workpiece (be sure the blade is not contacting the workpiece) and start the saw. Start the cut, exerting enough pressure in the direction of the cut to keep the blade cutting, and enough forward pressure to keep the shoe pressed firmly against the workpiece at all times. Do not force the cut or stall the saw. Don't bend or twist the blade. Let the tool and the blade do the work. In general, coarser blades are for wood, plastics, and composites, and finer blades are for cutting metal. Chattering or vibration may indicate you need a finer blade or higher speed. If the blade overheats or clogs, it may indicate you need a coarser blade or slower speed setting. Replace blades when they become dull. Dull blades will produce poor results and may overheat the saw.

METAL CUTTING

Blades specifically designated for cutting metals must be used for this purpose. You may use a light oil as a coolant when cutting metal; this will prevent overheating of the blade, help the blade cut faster, and promote longer blade life.

⚠ WARNING: Wear safety glasses. Wear a dust mask if operation is dusty. Wear hearing protection during long periods of operation. Support and clamp workpiece securely. Keep your balance and don't overreach.

MAINTENANCE

CLEANING

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

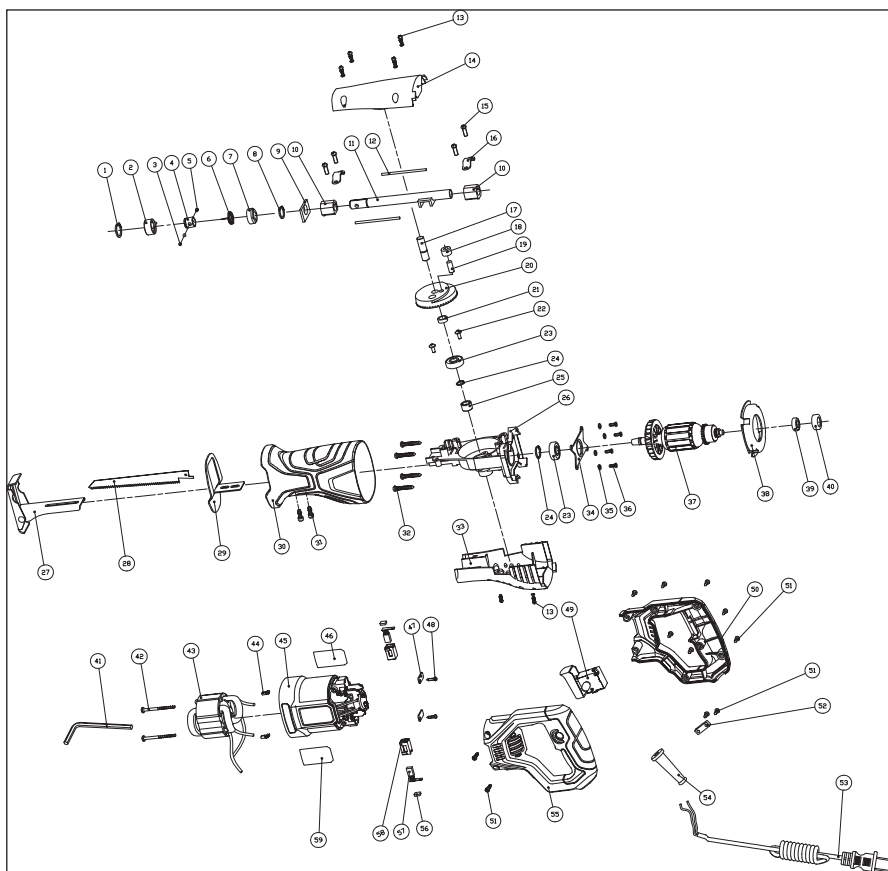
⚠ WARNING: Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

Electric tools used on fiberglass material, wallboard, spackling compounds, or plaster are subject to accelerated wear and possible premature failure because the fiberglass chips and grindings are highly abrasive to bearings, brushes, commutators, etc. Consequently, we do not recommend using this tool for extended work on these types of materials. However, if you do work with any of these materials, it is extremely important to clean the tool using compressed air.

LUBRICATION

This tool is permanently lubricated at the factory and requires no additional lubrication.

EXPLODED VIEW AND PARTS LIST



Part #	Description	Qty
1	Circlip for shaft 16	1
2	Chuck outer	1
3	Positioning pin	1
4	Chuck inner	1
5	Steel ball S05.2	2
6	Chuck spring	1
7	Plastic ring	1
8	Circlip for shaft 12	1
9	Felt	1
10	Bearing	2
11	Shaft	1
12	Steel rod	2
13	Screw M4X12	6
14	Housing cover	1
15	Screw M5X10	4
16	Bearing clamp	2
17	Gear shaft	1
18	Bearing 7X14X9	1
19	Straight pin	1
20	Big gear	1

Part #	Description	Qty
21	Spacing washer	1
22	Screw M4X8	2
23	Bearing 6000-2Z	2
24	Circlip 10	2
25	Oil bearing	1
26	Gear Housing	1
27	Shoe	1
28	Saw blade	1
29	Baffle plate	1
30	Insulation cover	1
31	Hex screw M5X12	2
32	Self tapping screw	4
33	Plastic cover	1
34	Fixing plate	1
35	Washer Ø4	4
36	Screw M4X10	4
37	Armature (120V)	1
38	Air baffle	1
39	Bearing 607-2Z	1
40	Bearing cover	1

Part #	Description	Qty
41	Hex key 4#	1
42	Self tapping screw	2
43	Stator(120V)	1
44	4.8 socket	2
45	Motor housing	1
46	Nameplate	1
47	Carbon brush fix plate	2
48	screw ST2.9X10	2
49	Switch(120V)	1
50	Right handle	1
51	Self tapping screw	11
52	Power cord clamp	1
53	Power cord & plug	1
54	Cable sheath	1
55	Left handle	1
56	Carbon brush cap	2
57	Carbon brush	2
58	Carbon brush holder	2
59	Trademark	1

TOOL SHOP® 6 AMP RECIPROCATING 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.



Distributed by: Menard, Inc., Eau Claire, WI 54703

Rev. 1.1 2018/05/02