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Item #31668

ELECTRIC RECIPROCATING SAW INSTRUCTIONS



The **EASTWOOD ELECTRIC RECIPROCATING SAW** is great for use on virtually all metals including steel, aluminum, brass and more. The powerful 9 Amp motor goes through bar stock or tubing cleanly and with ease. Cuts wood, fiberglass and other materials equally well. Features a “plugged-in” indicator lamp for safety and a “lock-on” trigger for convenience.

INCLUDES

- (1) Reciprocal Saw
- (1) Metal Blade
- (1) Wood Blade
- (1) 4mm Hex Key



SPECIFICATIONS

- Input Voltage:** 120 VAC, 60 Hz
- Input Amperage:** 9 Amps
- Plug Type:** 2-prong, polarized
- Cord Length:** 7'- 6"
- Certification:** ETL
- No-Load Speed:** 2500 Strokes Per Minute
- Stroke Length:** 1-1/8"

IMPORTANT SAFETY INFORMATION

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION

CAUTION used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

⚠ NOTICE

NOTICE is used to address practices not related to personal injury.

IMPORTANT SAFETY INFORMATION

GENERAL SAFETY RULES

WARNING

Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term “power tool” in all of the warnings listed below refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

SAVE THESE INSTRUCTIONS

1) WORK AREA SAFETY

- a) Keep work area clean and well lit. Cluttered or 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 children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2) ELECTRICAL SAFETY

- a) 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.
- b) 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.
- 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 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.
- e) 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.

NOTE: Use a minimum 14 gauge insulated cord, no longer than 25' in length.

3) PERSONAL SAFETY

- a) 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.
- b) Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) Avoid accidental starting. Ensure the switch is in the off-position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f) 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.
- g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust-related hazards.

4) POWER TOOL USE AND CARE

- a) 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.
- b) 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.
- c) 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.
- d) 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.
- e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, 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.

5) SERVICE

- a) 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.

ADDITIONAL SAFETY INFORMATION



⚠ WARNING SHOCK HAZARD!

- Never operate or store Saw in damp or wet conditions.
- Plug into a minimum 15 amp circuit. If using an extension cord, it must be AWG 16 or greater, no longer than 25'.
- If cutting into wall or other blind areas, first check for the presence of electrical or other utility lines.



⚠ WARNING HEALTH AND INJURY HAZARDS!

- Dust and fine particles are generated while cutting which can contain hazardous or toxic substances. Breathing this dust can cause many serious respiratory health conditions. Always use NIOSH approved respiratory protection while using this Saw.
- This Saw will eject particles, dust and sparks at high velocity during operation. Wear approved eye and skin protection at all times while operating.
- Cutting with this Saw can generate excessive noise. Wear appropriate hearing protection while using.
- The moving blade of this Saw can quickly catch loose clothing, long hair or jewelry causing serious personal injury. Keep all loose clothing, long hair and jewelry away from operating Saw.
- This Saw can quickly start up when handling while plugged in to electrical supply causing serious personal injury. Always unplug the tool from the electrical supply before changing blades or performing maintenance.
- Sharp metal edges can cut. Always wear protective work gloves while handling.
- Moving blades can quickly cut flesh. Keep hands and fingers away from moving blade.



ADDITIONAL SAFETY INFORMATION



⚠ WARNING HEALTH AND INJURY HAZARDS!

- This Saw can quickly and violently kick back or twist while operating causing severe hand and or wrist injury. Do not apply excessive force to Saw while in use. Always make sure the workpiece or material being cut is securely clamped or anchored to allow two handed operation of the Saw.
- Damaged blades can break at high speed causing personal injury or property damage. If excessive vibration is felt, discontinue use immediately and disconnect tool from electrical supply. Inspect blade and Saw for damage. Do not resume use until resolution is found.



⚠ CAUTION

- This Saw will eject a trail of sparks at high speed which can ignite flammable materials or injure others nearby. Do not operate in the vicinity of flammable materials and keep all persons and pets away from the work area.

BLADE INSTALLATION

⚠ WARNING

This Saw can quickly start up when handling while plugged in to electrical supply causing serious personal injury. Always unplug the Saw from the electrical supply before changing blades or performing maintenance.

⚠ WARNING

Sharp blade edges can cut. Always wear protective work gloves while handling.

- Rotate the Spring-Loaded Blade Retainer 90° Clockwise (As viewed from the front end of the Saw) and hold it in that position (**FIG 1**).
- Place the keyed end of the Blade into the slot on the end of the Saw Shaft (**FIG 2**) until it fully is seated.

⚠ NOTICE

The Blade can be inserted with teeth up or teeth down as the need demands.

- Release the Spring-Loaded Blade Retainer.

FIG. 1

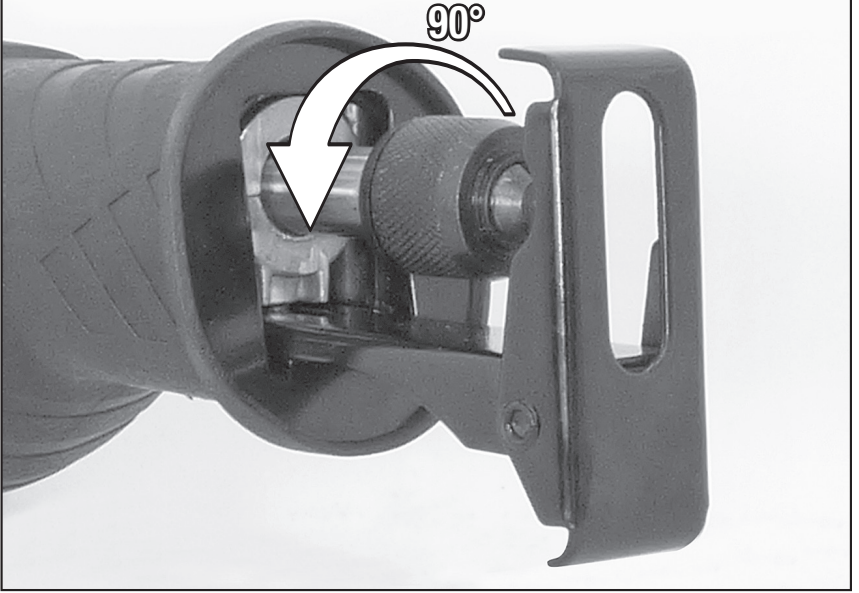
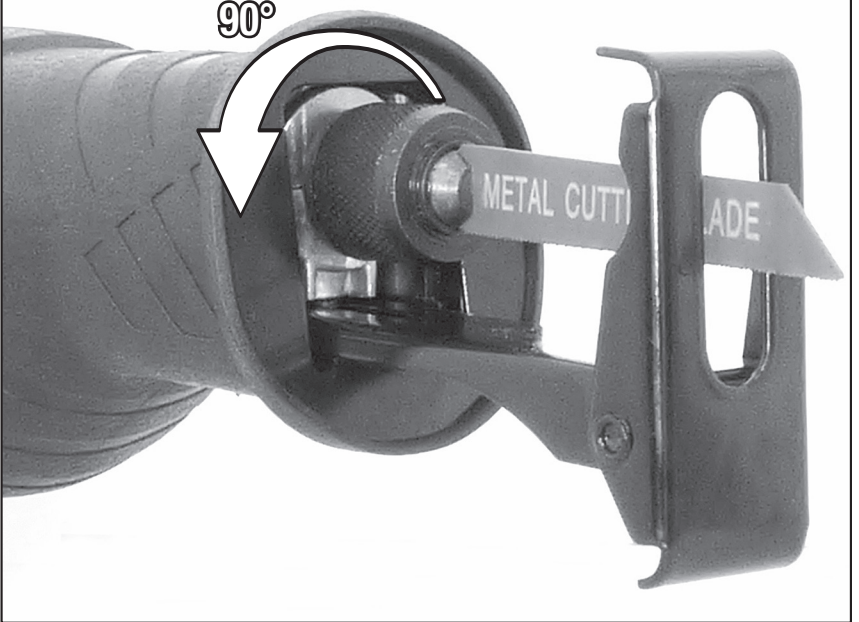


FIG. 2



NOSE GUIDE ADJUSTMENT

To properly operate the Saw, the front of the Saw must be fully supported by the Nose Guide and is adjustable to accommodate the thickness of the material being cut.

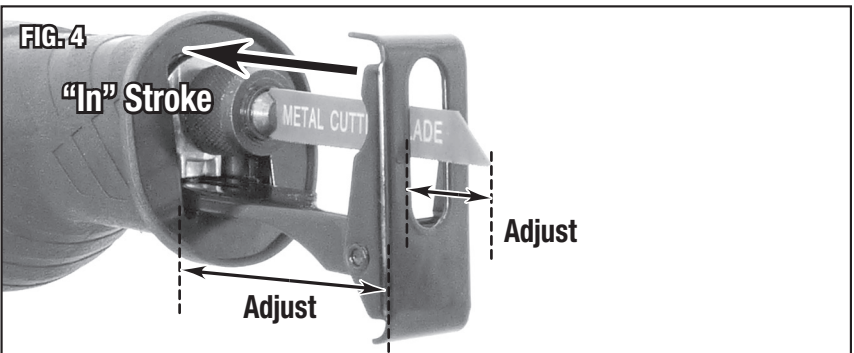
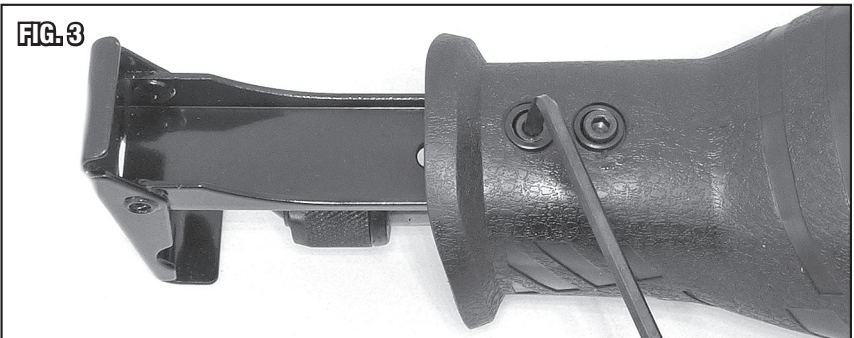
⚠ CAUTION

The Nose Guide **MUST** be adjusted to allow the blade to protrude farther than the thickness of the material to be cut. Failure to do so will result in kickback, blade jamming and breakage.

⚠ CAUTION

Never allow the depth of the material to be cut to exceed blade length or serious damage and personal injury can occur.

- Using the included 4mm Hex Key, loosen the 2 Set Screws located at the underside of the Saw Nose (**FIG 3**).
- With a selected blade installed and properly seated and with the blade at the “In” Stroke, measure the distance the blade extends beyond the pivoting face of the Nose Guide and compare that dimension with that of the material to be cut thickness (**FIG 4**).
- Pull out Nose or retract Nose Guide as required.
- Re-tighten the 2 Set Screws.



OPERATION

⚠ CAUTION

Always operate the Saw with two hands. Failure to do so could cause serious personal injury.

⚠ NOTICE

The Saw features a convenient power supply indicator located at the top of the “D” handle which illuminates amber whenever the power cord is plugged in.

- While holding the Saw securely in two hands, depress the Trigger located at the upper, inner edge of the Saw body handle (FIG 5).

⚠ NOTICE

This Saw is equipped with a Variable Speed Trigger Control. The motor speed will increase the farther the Trigger is pressed.

- To begin cutting, allow several seconds for the motor to reach full speed then gently feed the leading edge of the blade into the workpiece.
- Slowly and steadily allow the blade to do the cutting.

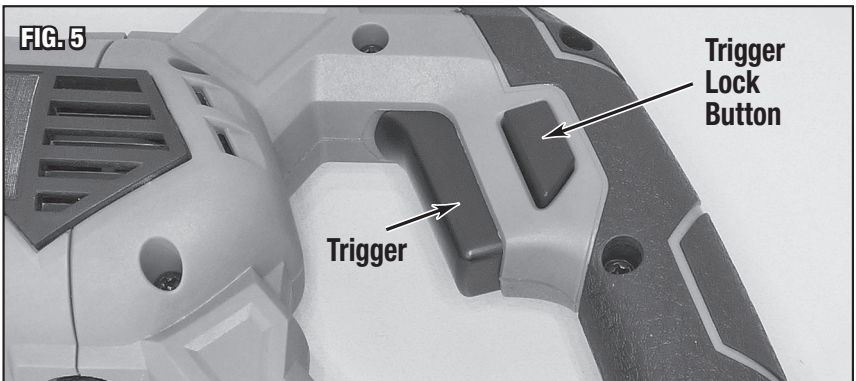
⚠ WARNING

DO NOT force the Saw or kickback could quickly occur causing severe injury!

⚠ NOTICE

To avoid hand fatigue, this Saw features a Trigger Position Lock which functions on full speed only. To engage it, depress the Trigger fully then push in the Trigger Lock Button located on the left side of the “D” handle adjacent to the Trigger (Fig 5). To release it, simply depress the Trigger once again.

- When the cutting is complete, release trigger and allow blade to stop reciprocating before pulling the blade away from the workpiece.



MAINTENANCE

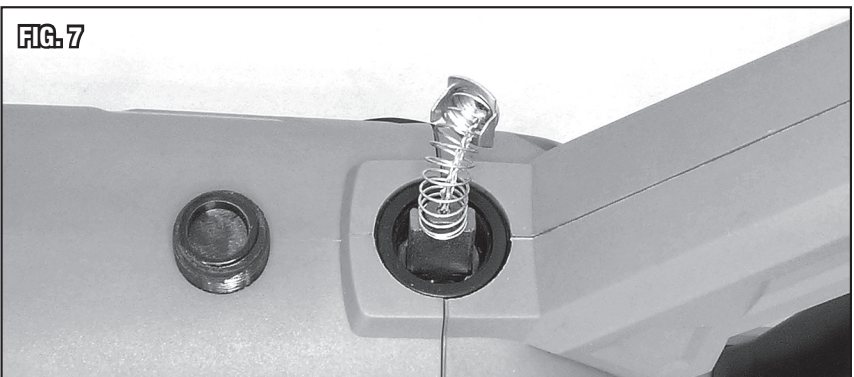
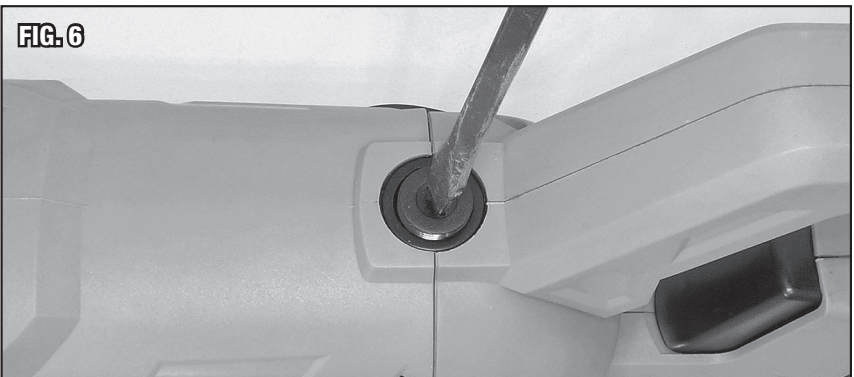
IMPORTANT NOTE: The following maintenance should be performed before each use:

- Inspect Blade for cracks, damage or premature wear.
- Clean dirt and debris from motor air cooling slots.
- Clean dirt and debris from Blade Mounting Shaft.

BRUSH REPLACEMENT

NOTE: If motor fails to start as trigger is depressed after extensive use, the Motor Brushes likely need to be replaced.

- Remove the Brush Caps (one each at top and bottom of motor housing) with a medium screwdriver (**FIG 6**).
- Pull Brush from socket (**FIG 7**).
- Inspect Brush.
NOTE: Brushes are considered worn if less than 1/8" of carbon is remaining.
- Replace with new brush.
- Replace Brush Caps and tighten.



TROUBLESHOOTING

Does Not Run When Switch is Depressed	No Electric Power to Saw	Check 120 VAC input plug connection.
		Check for tripped circuit breaker.
	Motor Brushes Worn	Replace Motor Brushes.
Motor Runs Too Slow/ Develops Low Power	Undersized or Too Long of an Extension Cord	Use only 14 gauge or larger cord.
		Limit length to 25'
Excessive Noise and/or Vibration	Blade is Damaged	WARNING: This is an extremely dangerous condition! Stop use and replace Blade!
Motor Overheats	Excessive Pressure Being Applied to Blade	Allow Blade to cut by reciprocation alone. Do Not force!
	Dirt and Debris Buildup in Motor Cooling Air Slots	Use a brush or compressed air to remove debris.

ADDITIONAL ITEMS

- #28038 Sheet Metal Gauge
- #13475 Electric Metal Cutting Shears
- #28187 Bead Roller Kit
- #51088 Shrinker/Stretcher Set

If you have any questions about the use of this product, please contact

The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: techelp@eastwood.com

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