7.3 AMP RECIPROCATING SAW

Stock Number W50093

OWNERS MANUAL

Performance Tool®

⚠ WARNING!

READ, UNDERSTAND AND FOLLOW ALL INSTRUCTIONS AND WARNINGS BEFORE OPERATING THIS TOOL. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE AND WILL VOID WARRANTY.

Some dust created by power tools contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. An example of this type of chemical is lead from lead based paints, Crystalline Silica from bricks and cement or other masonry, 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: work in a well ventilated area and work with approved safety equipment, such as dusk masks that are specially designed to filter out microscopic particles.

PT Performance Tool®

Please read these instructions carefully and retain them for future use.

SAFETY INFORMATION

Carefully read through the entire owner's manual before operating your reciprocating saw. Keep manual with important records for safety instructions, operating procedures and warranty.

⚠ WARNING: When using electrical tools, machines or equipment, basic safety precautions should always be followed to minimize the risk of fire, electrical shock or personal injury to yourself and others.

BEFORE USING YOUR RECIPROCATING SAW

PROTECT YOUR EYES. The operation of any power tool can result in foreign objects being thrown into the eyes which can result in severe eye damage. Always wear eye protection during power tool operation.

⚠ WARNING: Some dust created by grinding 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 paint, 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 especially designed to filter out microscopic particles.

- **READ THE ENTIRE MANUAL.**
- **GROUND ALL TOOLS.** Any tool supplied with a 3-prong plug must be plugged into a 3-contact electrical receptacle. The 3rd prong is used to ground the tool and provide protection against accidental electrical shock. Never remove the third prong.
- **AVOID DANGEROUS ENVIRONMENTS.** Do not use power tools near gasoline or other flammable materials, in damp or wet locations or expose them to rain. Keep work area well lit. Normal sparking of the motor or sparking from grinding metal could ignite fumes.
- **KEEP WORK AREA CLEAN.** Messy areas and cluttered work benches invite personal injury and or property damage.
- **KEEP CHILDREN AND VISITORS AWAY.** All children should be kept away from the work area. Maintain a safe distance for any person near the work area. Adults near the work area must wear safety glasses. DO NOT let children handle the power tool or extension cord.
- **DRUGS, ALCOHOL, MEDICATION.** Operating any tool or equipment under the influence of drugs, alcohol, and or medication can cause personal injury to yourself and others.
- **WEAR PROPER APPAREL.** Remove your jewelry before using tool. DO NOT wear loose clothing, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Non skid footwear and non-electrically conductive gloves are highly suggested while working. Wear protective hair covering to contain long hair.
- **PROTECT YOUR EYES.**
  The operation of any power tool can result in foreign objects being thrown into the eyes which can result in severe eye damage. Always wear eye protection during power tool operation. Eyeglasses are not always safety glasses.
- **BE RESPONSIBLE FOR YOUR HEARING AND BREATHING.** Wear hearing protection during extended periods of operation. Protect your lungs by wearing a clean face or dust mask.
- **GUARD AGAINST ELECTRICAL SHOCK.** Avoid body contact with grounded surfaces such as pipes, radiators, ovens, stoves and refrigerator enclosures.
- **USE THE RIGHT TOOL.** Use tools properly and for its intended task. DO NOT force a small tool to do the job of a heavy duty tool. Using the right tool to do the right job will do the job intended and safer.
- **CHECK DAMAGED PARTS.** Before use of a tool it should be carefully checked to assure that it will operate properly and perform its intended function. Check for misalignment or binding of moving parts, breakage of parts, mounting, or any other conditions that may affect its operation. A guard or other part that is damaged should be properly replaced.
- **AVOID UNINTENTIONAL STARTING.** Be sure that your power tool is in the "OFF" position before plugging it into a power cord or electrical receptacle.
- **STORE ALL MAINTENANCE TOOLS** away from the immediate area prior to turning "ON" your bench grinder.
- **DO NOT OVERREACH.** Proper footing and balance is a must at all times while using the tool. Unstable support may lead to personal injury.
- **NEVER LEAVE TOOL RUNNING UNATTENDED.**
  ALWAYS turn the power to the "OFF" position and do not leave the tool until it comes to a complete stop.
- **USE RECOMMENDED ACCESSORIES.** Consult the owners manual for recommended accessories. The use of improper accessories may cause risk of injury to yourself and others.
- **ALWAYS MAKE SURE THE TOOL IS IN THE "OFF" POSITION AND UNPLUGGED** from the electrical receptacle when making adjustments, changing parts or performing any maintenance,
- **KEEP PROTECTIVE GUARDS IN PLACE AND IN PROPER WORKING CONDITION.**
- **MAINTAIN TOOLS WITH CARE.** Tools function better and safer when kept clean and in good working condition. Keeping the tool clean, dry, free of grime will add to its life and performance.
- **EXTENSION CORD GUIDELINES.** Use only 3-wire extension cords that have 3-prong grounding type plugs and 3 prong receptacles that accept the tool's plug. Only UL listed extension cords should be used with this product. Improper use of extension cords may cause inefficient operation of your tool which can result in overheating. Be sure your extension cord is rated to allow sufficient flow to the motor. Refer to guide below for minimum gauge for extension cords.

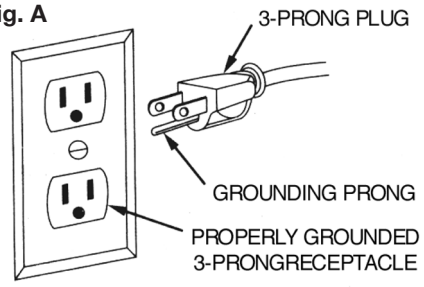
EXTENSION CORD LENGTH	WIRE SIZE (A.W.G.)
Up to 25 feet	16
26 to 50 feet	16
51 to 100 feet	16

The use of an extension cord heavy enough to carry the current a tool will draw is very important. Especially when the power source is of great distance. A extension cord that is insufficient will cause a drop in line voltage, resulting in power loss and causing the motor to overheat. When the project requires you to be outdoors, use an extension cord designed for outdoor use. The letters "WA" are indicated on the jacket of the cord.

CONNECTING TOOL TO POWER SOURCE OUTLET

This tool has a precision-built electric motor. It should be connected to a power supply that is 120 volts, 60Hz, AC only (normal household current). Do not operate this tool on direct current (DC). A substantial voltage drop will cause a loss of power and the motor will overheat. If your tool does not operate when plugged into an outlet,double-check the power supply.

Fig. A



This tool is intended for use on a circuit that has an outlet that looks like the one illustrated in Figure A. The tool has a grounding plug that looks like the one also shown in Figure A. DO NOT modify the plug provided if it will not fit the outlet. Have the proper outlet installed by a professional electrician.

⚠ WARNING: If not properly grounded, this power tool can incur the potential hazard of electrical shock particularly when used in damp locations or in proximity to plumbing. If an electrical shock occurs, there is the potential of a secondary hazard such as your hands contacting the grinder tool.

SPECIFICATIONS

Electrical Requirements:.....120V-/60Hz/7.3A
No Load RPM:.....0 to 2,500/min
Stroke length size:.....3/4 in.(19mm)
Weight:.....6.16 lbs.

Specifications are subject to change without notice

UNPACKING

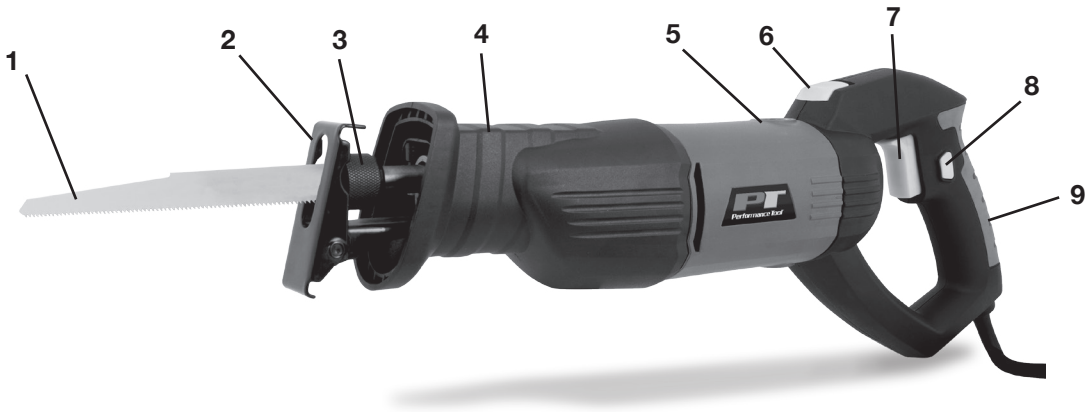
When unpacking,check to make sure that the item is intact and undamaged. If any parts are missing or broken,please call the number on the back cover of this manual as soon as possible.

PACKING LIST

Reciprocating Saw	1
Hex wrench	1
Blade	2
Carbon Brush	2
Operator's Manual	1

PRODUCT DESCRIPTION

1. **Saw Blade**
2. **Pivoting Shoe**
3. **Blade Chuck**
4. **Front Handle**
5. **Brush Cover**
6. **Rotation Lock button**
7. **Trigger Switch**
8. **Lock-On Button**
9. **Main Handle**



RECIPROCATING SAW SAFETY

Hold power tool by insulated gripping surfaces when performing an operation where 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 work piece to a stable platform. Holding the work by hand or against your body leaves it unstable and may lead to loss of control.

• Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Performance Tool for a replacement.

• Avoid unintentional starting. Prepare to begin work before turning on the tool.

• Do not lay the tool down until it has come to a complete stop. Moving parts can grab the surface and pull the tool out of your control.

• When using a handheld power tool, maintain a firm grip on the tool with both hands to resist starting torque.

• Do not leave the tool unattended when it is plugged into an electrical outlet. Turn off the tool and unplug it from its electrical outlet before leaving.

• This product is not a toy. Keep it out of reach of children.

• This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

• Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes or Raynaud's Disease should not use this tool. If you feel any medical or physical symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.

• Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration related injury.

• Wear suitable gloves to reduce the vibration effects on the user.

• Use tools with the lowest vibration when there is a choice between different processes.

• Include vibration-free periods each day of work.

• Grip tool as lightly as possible while still keeping safe control of it. Let the tool do the work.

• To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.

ASSEMBLY

Mounting Saw Blade

• Rotate the chuck (3) counterclockwise to open it. Hold it in the open position (Fig.2).

• Insert the selected saw blade (1) firmly into the chuck. Be sure the blade is fully inserted (Fig.2).

• Release the chuck to lock the saw blade.

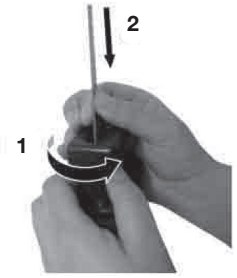


Fig. 2

Removing Saw Blade

• Rotate the chuck (3) counterclockwise to open it. Hold it in the open position.

• Draw out the saw blade.

• Release the chuck.

OPERATION

⚠ WARNING:
Before connecting your power tool to power supply, always check to be sure switch is not in lock-on position. Failure to do so could result in accidental starting of your power tool.

Switch

To turn the saw ON, depress the switch trigger. Release switch trigger to turn the saw OFF (Fig.3).

Lock-On Button

The saw is equipped with a lock-on feature which is convenient when continuous cutting for extended periods of time is required.
To lock-on, depress the switch trigger, push in and hold the lock-on button located on the side of the handle, then release switch trigger. Release lock-on button and your saw will continue running (Fig.3).
To release the lock, depress the switch trigger and release. If you have the lock-on feature engaged during use and your saw becomes disconnected from power supply, disengage the lock-on feature immediately.

Fig. 3

Handle Rotation

For comfort and controlled cutting from any angle the front handle (4) may be rotated up to 180 degrees with five positive stops (0, 45, and 90 degrees to the left and 45 and 90 degrees to the right).

To rotate the front handle, press the rotation lock button (6) and turn the front handle (4) to the desired position. Check to make sure the handle is locked into the chosen position.

Fig. 4

Adjusting Pivoting Shoe

The pivoting shoe (2) can be adjusted to limit the amount of blade protrusion. Loosen both hex screws located on the underside of the front cover (Fig.5). Slide the pivoting shoe (2) straight in or out of the front cover as required. Retighten both hex screws.

General Cutting Operation

1. Secure the work piece.

2. Grip the tool with both hands, one hand on the handle, and one on the front cover.

3. Place the blade on the work piece and then squeeze power trigger switch (7) with finger.
   The saw will begin to operate.

4. Keep the pivoting shoe (2) pressed firmly against the work piece to prevent tool kick back.

5. Maintain a smooth motion pressing the blade through the material as it is cut.
   Follow the cut,do not press too hard. If the tool slows down as it is cutting, apply less pressure on the tool.

6. When the cut is completed release the trigger switch (7) and wait until the blade stops. If you will not be making another cut unplug the tool and store it safely.

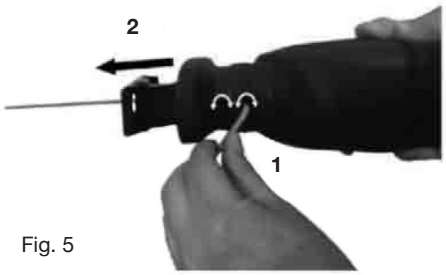


Fig. 5

NOTE: Do Not Force The Saw. Forcing your saw may overheat the motor and break saw blades.

Pocket Cutting Operation

⚠ WARNING: To avoid loss of control, broken blades or damage to the material being cut, always use extreme caution when making plunge cuts. We do not recommend plunge cutting on materials other than wood.

1. Select a short, thick blade which is in good condition.

2. Place the tool on the work piece with the blade NOT touching the work material. Squeeze the trigger (7) to start the tool operating. Never start a plunge cut with the blade tip touching the work piece. This will cause an immediate kick back that can damage the work piece, blade or cause injury.

3. Slowly rotate the tool on the pivoting shoe (2) as the blade contacts the work piece. Hold the tool firmly.

4. Continue to slowly rotate the tool until the blade has penetrated through the work material. Press the pivoting shoe (2) firmly against the work material and continue to make the cut.

5. To prevent accidents, turn off the tool and disconnect its power supply after use. Clean and then store the tool in-doors out of children's reach.

Metal Cutting Operation

1. Install a metal cutting blade.

2. Coat the cutting surface with cutting oil to prevent the blade from overheating.

3. Follow general cutting procedure see "General Cutting".

4. To prevent accidents,turn off the tool after use. Clean and then store the tool indoors out of children's reach.

MAINTENANCE AND SERVICING

⚠ **WARNING:** To prevent serious injury from accidental operation turn the power switch of the tool to its “OFF” position and unplug the tool from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.

Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury. If the tool does not work properly, return the tool to a service facility for repairs.

Cleaning

Clean out dust and debris from vents and electrical contacts by blowing with compressed air. Always wear safety goggles when cleaning tools with compressed air.

Keep tool handles clean ,dry and free of oil or grease.

Use only mild soap and a damp cloth to clean the tool, keeping away from all electrical contacts.

⚠ **CAUTION:** Certain cleaning agents and solvents are harmful to plastics and other insulted parts. Some of these include gasoline, turpentine, lacquer thinner, paint thinner, chlorinated cleaning solvents, ammonia and household detergents containing ammonia.

Never use flammable or combustible solvents around tools.

Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.

If the tool does not work properly, return the tool to a service facility for repairs.

Lubrication

Your tool has been properly lubricated and is ready to use. It is recommended that tools with gears be regreased with a special gear lubricant at every brush change.

TROUBLESHOOTING

Problem	Possible Causes	Likely Solutions
Tool will not start	Power cord is not plugged in.	Plug tool into power source.
	Cord damaged.	Inspect cord for damage. If damaged, have cord replaced by qualified repair personnel.
	Burned out switch.	Have switch replaced by qualified repair personnel.
Tool operates slowly	Excess pressure applied to work piece.	Decrease pressure, allow tool to do the work.
	Power being reduced by long or small diameter extension cord.	Eliminate use of extension cord.
Performance decrease over time	Carbon brush worn or damaged.	Have carbon brush replaced by qualified repair personnel.
Excessive noise or Rattling	Internal damaged or wear.	Have qualified technician service tool.

LIMITED WARRANTY

PERFORMANCE TOOL® extends only the following warranties, and only to original retail purchasers. These warranties give specific legal rights. Except where prohibited by local law, the law of the State of Washington governs all warranties and all exclusions and limitations of warranties and remedies. There may be other rights which vary from state to state.

PERFORMANCE TOOL® warrants the product to be free from defects in materials and workmanship under normal use and service. A defective product may be returned for a free replacement within 90 days from the date of purchase, provided that product is returned to place of purchase immediately after discovery of defect. After 90 days and up to one year from date of purchase, PERFORMANCE TOOL® will replace at no charge any parts which our examination shall disclose to be defective and under warranty. These warranties shall be valid only when a sales receipt showing the date of purchase accompanies the defective product or defective part (s) being returned. For part (s) after 90 days, please remit your request, postage prepaid to:

PERFORMANCE TOOL, P.O. Box 88259 Tukwila, WA 98138

These warranties exclude blades, bits, punches, dies, bulbs, fuses, hoses, and other consumables which must be replaced under normal use and service. These warranties shall not apply to any product or part which is used for a purpose for which it is not designed, or which has been repaired or altered in any way so as to affect adversely its performance or reliability, nor shall these warranties apply to any product or part which has been subject to misuse, neglect, accident or wear and tear incident to normal use and service.

PERFORMANCE TOOL® does not authorize any other person to make any warranty or to assume any liability in connection with its products.

Except for warranties of title and the limited express warranties set forth above, PERFORMANCE TOOL® makes no express or implied warranties of any kind with respect to its products. In particular, PERFORMANCE TOOL® makes no implied warranty of merchantability and no implied warranty of fitness for any particular purpose, except that for goods purchased primarily for personal, family or household use and not for commercial or business use, PERFORMANCE TOOL® makes an implied warranty of merchantability (and, if otherwise applicable, an implied warranty of fitness for a particular purpose), but only for the particular qualities or characteristics, and for the duration, expressly warranted above.
The laws on limitation of implied warranties may differ from state to state, so the above limitations may not apply in all cases.

PERFORMANCE TOOL® shall not be liable for consequential, incidental or special damages resulting from or in any manner related to any product, or to the design, use, or any inability to use the product. The sole and exclusive remedy for a defective product or part shall be the repair, or replacement thereof as provided above. The laws on limitation of remedies or on consequential, incidental or special damages may vary from state to state, so the above limitations may not apply in all cases.