

Polymak[®]

Polymak Tools(India)Pvt.Ltd

186/187, P.H Road, Alsa Towers, Kilpauk,
Chennai-600 010,

Tel. :+91-44-48631869

E-mail :info@polymak.co.in

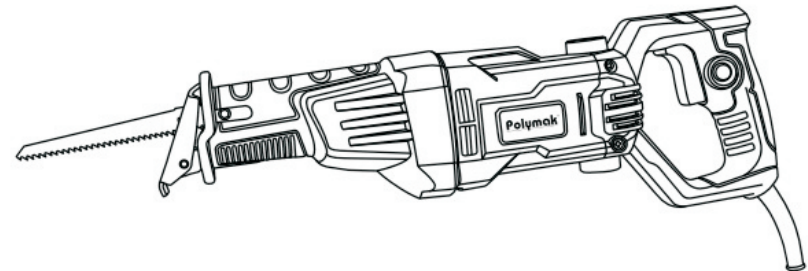
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RECIPROCATING SAW

PM30RS

INSTRUCTION MANUAL



Read and follow all safety precautions in instruction manual.

General safety warning for power tools

Warning! Read all warnings, instructions, diagrams and specifications provided with the power tools. Failure to comply with the instructions listed below can result in electric shock, fire and/or serious injury.◦

Keep all warnings and instructions for reference.

The term "power tools" in the warning refers to electrically driven (wired) power tools or battery-driven (wireless) power tools

A、 Safety of workplace

- 1) **Keep the workplace clean and bright.** Messy and dark spaces can cause accidents.
- 2) **Do not operate power tools in explosive environment, such as flammable liquid, gas or dust.** Sparks from power tools can ignite dust or gas.◦
- 3) **Keep away from children and bystanders when operating electric tools.** Lack of concentration can cause you to lose control of your tools.

B、 Electrical safety

- 1) **The plug of the power tools must match the socket. Plugs must not be modified in any way. Power tools that need to be grounded should not use any conversion plugs.** Unmodified plugs and matching sockets will reduce the risk of electric shock.◦
- 2) **Avoid body contact with ground surfaces, such as pipes, radiators and refrigerators.** If you touch the ground surface, you will increase the risk of electric shock.
- 3) **Power tools shall not be exposed to rain or humidity environment. Water entering power tools increases the risk of electric shocks.**
- 4) **Wires shall not be abused. Never use wires to carry, pull or pull out electric tools or plugs. Keep wires away from heat sources, oil, sharp edges or moving parts.** Damaged or wound wires increase the risk of electric shock.
- 5) **When using power tools outdoors, use extension wires suitable for outdoor use.** Wires suitable for outdoor use will reduce the risk of electric shocks.
- 6) **If it is impossible to avoid operating power tools in a humid environment, power supply with residual current device (RCD) protection should be used.** Using RCD can reduce the risk of electric shock.

Note: The term "Residual Current Device (RCD)" can be replaced by the terms "Ground Fault Circuit Breaker (GFCI)" or "Ground Leakage Circuit Breaker (ELCB)".

C、 Personal safety

- 1) **Stay alert, pay attention to the operation and stay awake when operating power tools. Do not operate power tools when you are tired or have drug, alcohol, or treatment reactions.** Instantaneous negligence in the operation of power tools can lead to serious injury.
- 2) **Use personal protective devices. Always wear goggles.** Protective devices such as dust masks, slip-proof safety shoes, helmets and hearing protection under appropriate conditions can reduce personal injury.

- 3) **Prevent accidental starting. Make sure the switch is switched off before connecting the power supply and/or battery pack, lifting or carrying the tool.** Placing your finger on the switch to move the tool or turn on the power when the switch is switched on can cause danger.
 - 4) **Remove all adjusting keys or wrenches before power tools are turned on. Wrenches or keys left on rotating parts of power tools can cause personal injury.**
 - 5) **Don't overextend your hands. Always pay attention to the foothold and body balance.** This allows for better control of power tools in unexpected situations.
 - 6) **Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothes away from moving parts.** Loose clothes, accessories or long hair may get caught in moving parts.
 - 7) **If a device is provided for connecting with the chip removal device or dust collector, make sure that it is properly connected and used properly.** Using dust collectors reduces the risk of dust.
 - 8) **Don't take it lightly and ignore the safety guidelines of the tools because of the familiarity of using tools frequently.** A careless action can cause serious damage in an instant.
- #### D、 Use of electric tools and matters needing attention
- 1) **Don't use power tools reluctantly. Use appropriate electric tools according to their use.** Choosing the right power tools designed according to the rated value will make your work more efficient and safer.
 - 2) **If the switch cannot be turned on or off, the power tool cannot be used.** Power tools that cannot be controlled by a switch are dangerous and must be repaired.
 - 3) **Before making any adjustments, replacing accessories or storing power tools, the plug must be unplugged from the power supply and/or the battery pack must be removed (if it's removable).** This protective safety measure reduces the risk of accidental starting of power tools.
 - 4) **Store unused power tools outside the reach of children, and do not allow people who are not familiar with power tools or do not understand these instructions to operate power tools.** Power tools are dangerous in the hands of untrained users.
 - 5) **Maintain the power tool and its accessories. Check that the moving parts are in place or stuck, check if any broken parts and other conditions that affect the operation of the power tool. If it is damaged, repair the power tool before use.** Many accidents are caused by poorly maintained power tools.
 - 6) **Keep the cutting tool sharp and clean.** Well-maintained tools with sharp cutting edges are not easily jammed and easy to control.
 - 7) **Select power tools, accessories and tool heads according to the operation instructions, and consider the operating conditions and the operation to be carried out.** Using power tools for operations that do not match their purpose can lead to dangerous situations.
 - 8) **Keep the handle and grip surface dry and clean without grease.** In case of accident, the slippery handle does not guarantee the safety of the grip and the control of the tool.

E、Battery tool use and precautions

- 1) **Only use the charger specified by the manufacturer for charging.** There is a risk of catching fire when using a charger that is suitable for one battery pack to other battery packs.
- 2) **Only use power tools with special battery packs.** Using other battery packs can cause injury and fire hazards.
- 3) **When the battery pack is not in use, keep it away from other metal objects such as paper clips, coins, keys, nails, screws or other small metal objects to prevent one end of the battery pack from being connected to the other end.** A short circuit at the end of the battery pack may cause fire.
- 4) **Under abuse conditions, liquid may spill from the battery pack; contact should be avoided.** If you accidentally touch the liquid, rinse with water. If the liquid hits your eyes, you should seek medical help. Liquid spilled from the battery may corrode or burn.
- 5) **Do not use damaged or modified battery packs or tools.** Damaged or modified battery packs can present unpredictable results, resulting in fire, explosion, or injury.

F、Maintenance

- 1) **Repair the power tool with the same spare parts by professional service personnel.** This will ensure the safety of the power tool being repaired.
- 2) **Never repair damaged battery packs.** The battery pack only can be repaired by the manufacturer or its authorized service provider.

Operating instructions

● Install / replace the saw blade

1. Select saw blade

Select suitable saw blade according to processing material. The thickness of the cut shall not be greater than the predetermined saw line. A narrow blade must be used when cutting narrow corners.

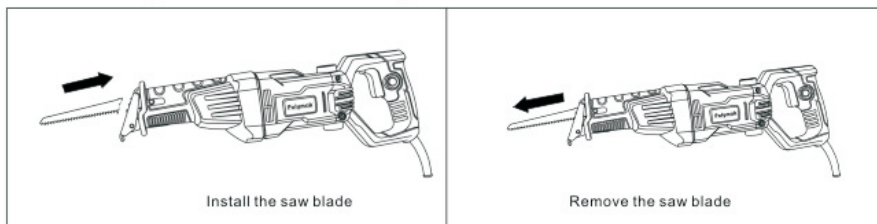
2. Install saw blade

First rotate the saw blade locking cam 90 degrees in the direction of the arrow, then push the saw blade into the saw blade slot.

Note: check whether the saw blade is firmly installed. Loose saw blades can drop and hurt you.

3. Remove the saw blade

First rotate the saw blade locking cam 1 90 degrees in the direction of the arrow, then the saw blade 2 is pulled out from the saw blade slot.

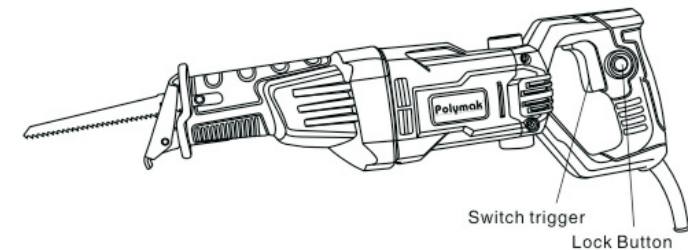


● Start the machine

First press the switch lever 1 to the inside of the machine, then press the speed switch trigger 2 to start the machine. The speed switch can adjust the number of impacts steplessly. The correct number of impacts must depend on the material of the workpiece and the operating conditions. Only the actual operation can find the right number of impacts. It is best to reduce the number of impacts when sawing, or when sawing plastic or aluminum sheets.

● Turn off the machine

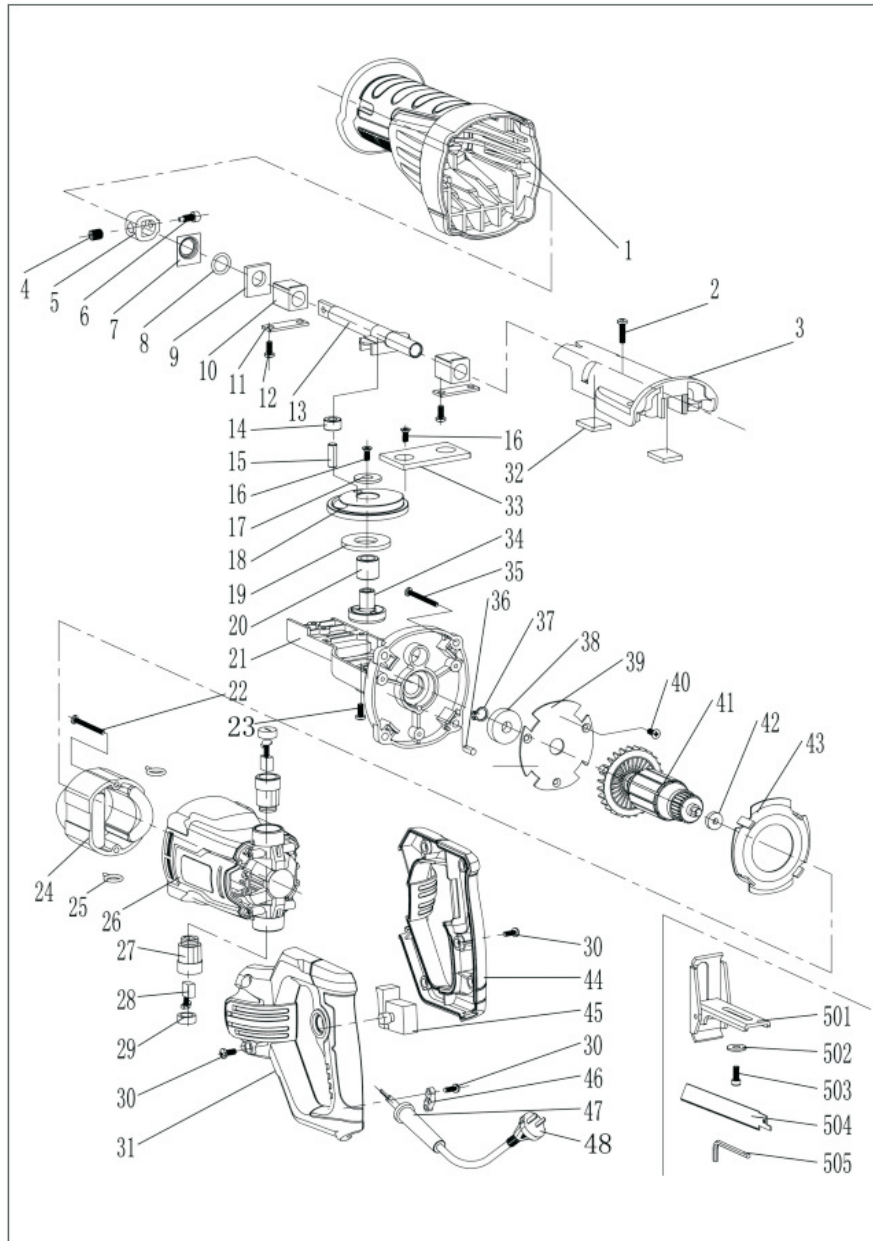
When the speed switch trigger 2 is released, the machine stops rotating



Specifications

Model	PM30RS	
Voltage	220V~	
Frequency	50Hz	
Rated power	900W	
Stroke speed	0-2800f/min	
Length of stroke	28mm(1-1/8")	
Capacity	Pipe	90mm(3-1/2")
	Wood	90mm(3-1/2")

Exploded



Partlist

Item	Description	Qty	Item	Description	Qty
1	Insulating sleeve	1	35	Screw ST5×25	4
2	Screw M5×25	4	36	Rubber column 4×9	1
3	Head shell cover	1	37	Shaft ring 10	1
4	Blade setting screw	1	38	Bearing 6200	1
5	Blade clamping sleeve	1	39	Bearing pressing plate	1
6	Hex socket screw	1	40	Screw M5×12	3
7	Gasket skeleton	1	41	Rotor	1
8	O-ring 16×2.2	1	42	Bearing 608	1
9	Sealing gasket	1	43	Windshield	1
10	Square bearing with oil	2	44	Upper handle cover	1
11	Pressing plate II	2	45	Switch	1
12	Screw M5×14	4	46	Cable platen	1
13	Reciprocating rod assembly	1	47	Cable sheath	1
14	Needle bearing NK071408	1	48	Cable	1
15	Cylindrical pin 7×19	1	501	Saw blade guide plate	1
16	Hexagon screw M5×16	3	502	Flat gasket 5×13×1	2
17	Washer II	1	503	hexagon socket screw	2
18	Big gear wheel	1	504	Saw blade	1
19	Washer I	1	505	Inner hexagon spanner4	1
20	Needle bearing	1			
21	Head capsule	1			
22	Screw ST5×55	2			
23	Screw M5×14	4			
24	Stator	1			
25	Tension spring	2			
26	Housing	1			
27	Brush holder	2			
28	Brush	2			
29	Brush cover	2			
30	Screw ST4×14	11			
31	Lower handle cover	1			
32	Wool felt	2			
33	Pressing plate I	1			
34	Intermediate shaft	1			