

909[®]
NINE ZERO NINE

INSTRUCTION MANUAL
RC1200



710W
COMPACT
RECIPROCATING SAW
WITH MULTI POSITION
ROTATING HANDLE

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Warranty Power Tools

For full details please visit us at www.909.com

Introduction

Your new 909 power tool will more than satisfy your expectations. It has been manufactured under stringent 909 Quality Standards to meet superior performance criteria.

You will find your new tool easy and safe to operate, and, with proper care, it will give you many years of dependable service.

CAUTION. Carefully read through this entire Instruction Manual before using your new 909 Power Tool. Take special care to heed the Cautions and Warnings.

Your 909 power tool has many features that will make your job faster and easier. Safety, performance, and dependability have been given top priority in the development of this tool, making it easy to maintain and operate.

Environmental protection



Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.

Description of symbols

The rating plate on your tool may show symbols. These represent important information about the product or instructions on its use.



Wear hearing protection.

Wear eye protection.

Wear breathing protection.



Double insulated for additional protection.



For safe operation read instruction manual.



Conforms to relevant standards for electromagnetic compatibility.

N25652

Specifications

Nominal voltage:	230–240V ~ 50Hz
Input power:	710W
No load speed:	0–2800 SPM
Stroke Length:	20mm
Wood:	160mm
Steel:	8mm
Net weight:	4.2kg
Insulation class:	Double insulated
Sound pressure level:	97 dB(A)

General safety rules

WARNING. Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

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.

- f) **To reduce the risk of electric shock, the manufacturer recommends the use of a residual current device with a rated residual current of 30mA or less at all times.**

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 personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising 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 jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery 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 dust collection 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 tool's 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, 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.
- h) **This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge,** unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

- i) **Children should be supervised to ensure that they do not play with the appliance.**

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 rules for reciprocating saws

- Always remove the plug from the mains socket before making any adjustments or maintenance, including changing the blade.
- When operating the saw, use safety equipment including safety goggles or shield, ear protection, dust mask and protective clothing including safety gloves.
- Ensure that the lighting is adequate.
- Keep the area free of tripping hazards.
- Do not let anyone under the age of 18 years operate this saw.
- Always stand to one side when operating the saw.
- Never use a cracked or distorted saw blade. Only use sharp blades.
- When cutting round wood, use clamps that prevent the work piece from turning on both sides of the blade.
- Never use your hands to remove sawdust, chips or waste close by the blade.
- Use only blades as recommended.
- Rags, cloths, cord and string and the like should never be left around the work area.
- Avoid cutting nails. Inspect the work piece and remove all nails and other foreign objects before beginning sawing.
- Support the work properly.
- Never reach over the blade to remove waste or off cuts.
- Do not attempt to free a jammed blade before first switching off the machine.
- Do not slow or stop a blade with a piece of wood. Let the blade come to rest naturally.

- If you are interrupted when operating the saw, complete the process and switch off before looking up.
- Periodically check that all nuts, bolts and other fixings are properly tightened.
- Always hold the saw on parts that are insulated. If you accidentally cut into hidden wiring or the saw's own cable, the metal parts of the saw will become "live".
- Never saw near combustible liquids or gases.

The tool must be used only for its prescribed purpose. Any use other than those mentioned in this Manual will be considered a case of misuse. The user and not the manufacturer shall be liable for any damage or injury resulting from such cases of misuse.

The manufacturer shall not be liable for any changes made to the tool nor for any damage resulting from such changes. Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the tool's construction and design:

- Contact with the blade.
- Kickback of work piece and parts of work piece.
- Blade fracture.
- Catapulting of blade pieces.
- Damage to hearing if effective earmuffs are not worn.
- Harmful emissions of sawdust when the machine is used in closed rooms. Always use supplementary dust extraction where possible.
- Do not use blades that are deformed or cracked.
- Fully unwind cable drum extensions to avoid potential overheating.
- When an extension cable is required, you must ensure that it has the right ampere rating for your power tool and is in safe electrical condition.
- After long working periods external metal parts and accessories could be hot.

- Do not force the saw; let the tool do the work at a reasonable speed. Overloading will occur if too much pressure is applied and the motor slows resulting in inefficient cutting and possible damage to the motor.
- Always remove the plug from the mains socket before making any adjustments or maintenance, including changing the blade.

WARNINGS. Before connecting a tool to a power source (mains switch power point receptacle, outlet, etc.) be sure that the voltage supply is the same as that specified on the nameplate of the tool. A power source with a voltage greater than that specified for the tool can result in serious injury to the user, as well as damage to the tool. If in doubt, do not plug in the tool. Using a power source with a voltage less than the nameplate rating is harmful to the motor.

WARNINGS. We recommend the use of a residual current device with a residual current rating of 30mA or less.

Accessories

The 909 RC1200 Reciprocating Saw is supplied in a storage case with the following accessories:

- 1 x Wood Cutting Blade
- 1 x Metal Cutting Blade
- Carry Case

Unpacking

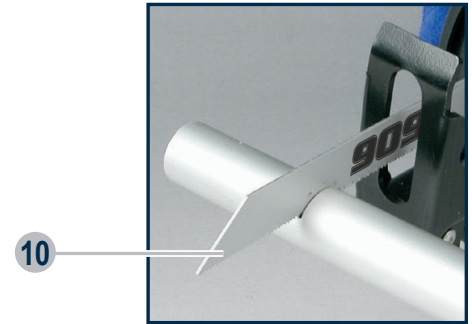
Due to modern mass production techniques, it is unlikely that your 909 Power Tool is faulty or that a part is missing. If you find anything wrong, do not operate the tool until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

Know your product

Before using the Reciprocating Saw, familiarise yourself with all the operating features and safety requirements.

Use the tool only for the applications intended. All other applications are expressly ruled out

1. Trigger switch
2. Lock-ON button
3. Tool-free blade clamp
4. Pivoting shoe
5. Rotatable rear handle
6. Handle rotation release switch
7. Speed control dial
8. Shoe adjustment screw (x 2)
9. 1 x wood cutting blade
10. 1 x metal cutting blade
11. Shoe adjustment lever



Setting up

Installing a saw blade

CAUTION. Always ensure that the saw is switched off and unplugged from the mains supply before installing or removing a blade. Wear work gloves when replacing a blade.

1. To fit the saw blade rotate the blade clamp in a anti clockwise direction.
2. Whilst holding the blade clamp open, insert the new saw blade.
3. Let go of the blade clamp (3) to lock the saw blade in position.
4. Pull on the blade to ensure it is securely fastened.

WARNING. Make sure that the blade is securely fastened before starting the saw.

Failure to do so may result in serious injury.



Switching on and off

1. Connect the plug to the mains supply.
2. To start the saw squeeze the trigger switch (1).
3. For convenience you can depress the lock ON button and the saw will continue to operate.
4. To stop the unit squeeze the trigger and the lock on button will disengage and the unit will stop.



Varying the speed

Vary the speed to suit the blade and the material being cut with the use of the speed control dial on the trigger (7).



Changing the position of the shoe

CAUTION. Always ensure that the saw is switched off and unplugged from the power supply.

1. Pull the shoe adjustment lever out and position the shoe to shield the length of saw blade as required.



2. Push the adjustment lever in to lock the shoe in position.
3. Position the angle of the shoe as required by pivoting it on its axis.
4. Where possible, rest the shoe on the material being cut. Change the angle of the shoe to suit the shape of the material.



CAUTION. Do not operate the reciprocating saw if the adjustable shoe is damaged or not installed.



Rotating the rear handle

CAUTION. Always ensure that the saw is switched off and unplugged from the power supply.

1. The rear handle (5) can be rotated in either the right or left direction by 90 degrees.



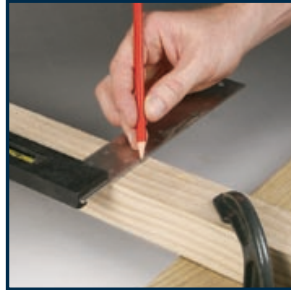
2. The rear handle must be "locked" into one of the three preset positions. It must not be used at any position in between these three preset positions as it might rotate during use and create a hazard.



3. To rotate the handle (5) press on the handle rotation release switch (6) and move the handle to one of the present positions. It can be turned left or right

General cutting

1. Hold the saw firmly in front and clearly away from you.
2. Make sure that the blade is clear of any obstruction and that the power cord or any extension cord is out of the path of the blade.
3. Ensure that the material to be cut is held firmly. Small workpieces should be held in a vice or clamped to the workbench.
4. Mark out the cutting line.
5. Squeeze the trigger.
6. Adjust the speed dial to correct the speed for the material and application..
7. Place the shoe on the workpiece and begin sawing.



Note. Use only enough pressure to keep the saw cutting. Do not force the cutting; allow the blade and the saw to do the work.

WARNING. Use of excessive pressure that causes bending or twisting of the blade may cause the blade to break.

Plunge cutting

1. Mark the line of the cut.
2. Choose a point inside the area to be cut out and place the tip of the blade over that point.



3. Rest the front edge of the shoe on the workpiece and hold the saw firmly in position.

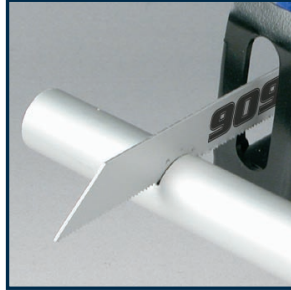


4. Press the lock-off button and squeeze the trigger to start the cutting action.

WARNING. Make sure that the blade does not touch the workpiece until the blade has reached maximum speed since this could cause loss of control and serious injury. Cut slowly until the blade has fully penetrated the thickness of the workpiece.

Metal cutting

Metals such as sheet steel, pipe, steel rods, aluminium, brass and copper can be cut with your saw. Be careful not to bend or twist the blade and do not force the cutting action. We recommend that you use cutting oil to lubricate the cut when sawing soft metals and steel. It keeps the blade cooler and prolongs blade life.



CAUTION. Clamp the work firmly and cut close to the clamping point to minimise vibration. When cutting conduit pipe or angle iron, clamp the work in a vice if possible and cut close to the vice. To cut thin sheet metal, sandwich the sheet between hardboard or plywood and clamp the layers to prevent vibration and the tearing of the metal.

Maintenance

WARNING. Always ensure that the tool is switched off and the plug is removed from the power point before making any adjustments or maintenance procedures.

Regularly check that all the fixing screws are tight. They may vibrate loose over time.

Cleaning

1. Keep the tool's air vents unclogged and clean at all times.
2. Remove dust and dirt regularly. Cleaning is best done with a rag.
3. Re-lubricate all moving parts at regular intervals.
4. Never use caustic agents to clean plastic parts.

CAUTION. Do not use cleaning agents to clean the plastic parts of the tool. A mild detergent on a damp cloth is recommended. Water must never come into contact with the tool.

Power cord maintenance

If the supply cord needs replacing, the task must be carried out by the manufacturer, the manufacturer's agent, or an authorised service centre in order to avoid a safety hazard.

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