



850W
RECIPROCATING
SAW
MXR56
INSTRUCTION MANUAL

GMC®

GLOBAL MACHINERY COMPANY



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Full 2 Years Home Use Warranty

Whilst every effort is made to ensure your complete satisfaction with this tool, occasionally, due to the mass manufacturing techniques, a tool may not live up to our required level of performance and you may need the assistance of our service department.

This product is warranted for a 2-year period from the date of the original purchase. If found to be defective in materials or workmanship, the tool or the offending faulty component will be replaced free of charge with another of the same item. A small freight charge may apply.

The warranty replacement unit is only made available by returning the tool to the place of purchase with a confirmed register receipt. Proof of purchase is essential.

We reserve the right to reject any claim where the purchase cannot be verified.

This warranty does not include damage or defects to the tool caused by or resulting from abuse, accidents, alterations or commercial or business use.

It also does not cover any bonus accessories unless the tool is a GMC Platinum Professional model.

Please ensure that you store your receipt in a safe place.

Conditions apply to the above warranty.

If you need direction of what constitutes a free of charge warranty claim, please review the guide given on the rear of the Receipt Holder. An indication is given as to the types of claim that are permissible, and those that are not.

Dear Customer

If you require any help with your product, whether it is a Warranty claim, spare part or user information:

Please phone our Help Line for an immediate response. The appropriate number is given on the rear page of this manual.

Introduction

Your new GMC power tool will more than satisfy your expectations. It has been manufactured under stringent GMC 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 GMC Power Tool. Take special care to heed the Cautions and Warnings.

Your GMC power tool has many features that will make you job faster and easier. Safety performance and dependability have been given top priority to 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.



N380

Conforms to relevant standards for electromagnetic compatibility.

Specifications

Voltage:	230–240 Vac ~ 50 Hz
Input power:	850W
No load speed:	300–2700 min ⁻¹
Blade stroke:	30mm
Cutting capacity:	Wood 115mm
Steel tube, plastic, aluminium alloy	90mm
Weight:	3.5kg
Sound pressure level:	88.7 dB(A)

Common blade types (blades not supplied):

150mm long, 6 TPI	For fast smooth cuts in woods, masonite, plastics, hard composite board and all plunge cutting. Keyhole blade shape permits cutting in hard to reach places.
230mm long, 6 TPI	For fast, smooth, deep cuts through thick wood, plastic, composition board and hardboard.
300mm long, 6 TPI	For rough cuts in wood.
100mm long, 24 TPI	High speed steel blade for cutting ferrous materials.

Safety instructions

WARNING. Read and understand 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 below refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Save these instructions

Work area

- **Keep work area clean and well lit.** Cluttered 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 children and bystanders 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 adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce 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 earthed or grounded.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **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.
- **When operating a power tool outdoors, use an outdoor extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

Personal safety

- **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.
- **Use safety equipment.** Always wear eye protection. Safety equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- **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.
- **Remove any adjusting key or wrench before turning the tool on.** A wrench or a key that is left attached to a rotating part of the power tool may result in personal injury.
- **Do not overreach.** Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- **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.
- **If devices are provided for the connection of dust extraction and collection facilities ensure that these are connected and properly used.** Use of these devices can reduce dust-related hazards.

Power tool use and care

- **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.
- **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.

- **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **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.
- **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.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **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 intended could result in a hazardous situation.

Service

- **Have your power tool serviced by a qualified repair personnel 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.

Wear goggles

Wear earmuffs

Wear a breathing mask

Contents of carton

The GMC MXR56 Reciprocating Saw is supplied with the following accessories as standard:

- Allen key
- Wood cutting blade
- Instruction manual

Unpacking

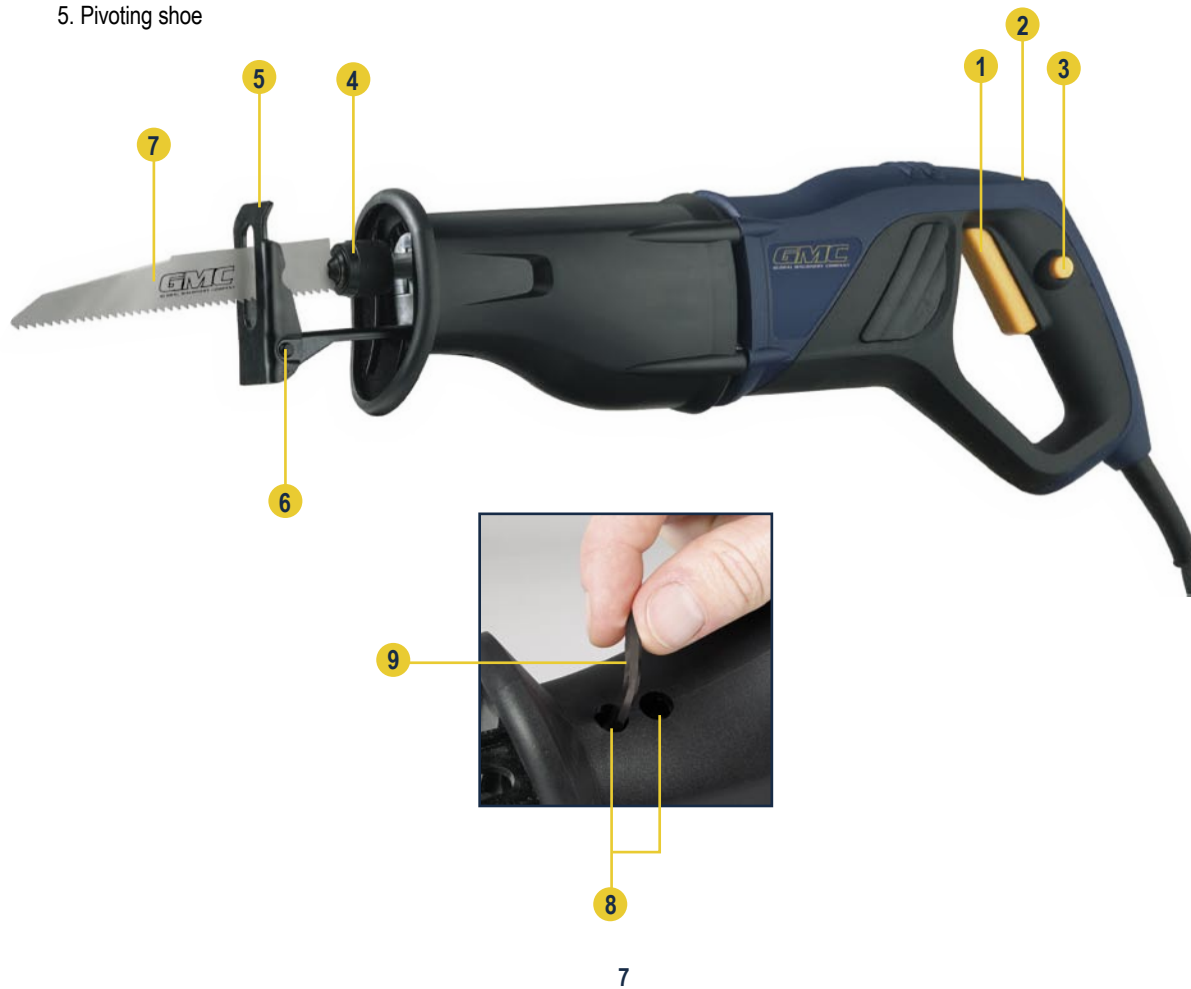
Due to modern mass production techniques, it is unlikely that your GMC Power Tool is faulty or that a part is missing. If you find anything wrong, do not operate the tool until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

Assembly

The GMC MXR56 Reciprocating Saw is packed, fully assembled except for the blade.

Know your product

1. Trigger switch
2. Speed control knob
3. Lock-off button
4. Tool-free blade clamp
5. Pivoting shoe
6. Shoe axis
7. Saw blade
8. Shoe adjustment screw (x2)
9. Allen key



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.

1. Open the blade clamp (4) by rotating it in an anti-clockwise direction. This will retract the pin and allow the saw blade to be inserted.
2. Whilst holding the blade clamp assembly open, line up and insert the new saw blade. Let go of the blade clamp assembly to lock the saw blade in position.
3. 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.

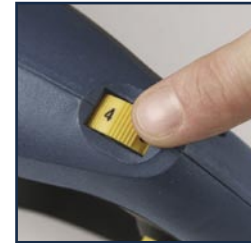
Switching on and off

1. Connect the plug to the mains supply.
2. To start the saw, press the lock-off button (3) and squeeze the trigger switch (1).
3. There is no need to keep the lock-off button depressed once the saw has started. However, if the trigger switch is released, the lock-off button will re-engage as a safety precaution to prevent accidental operation. In order to restart the saw, the both the lock-off button and the trigger switch must be pressed again.



Varying the speed

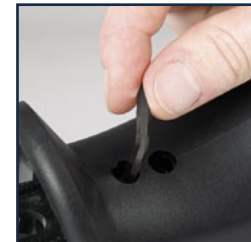
Vary the speed to suit the blade and the material being cut with the use of the speed control knob (2).



Changing the position of the shoe

WARNING. Always ensure that the saw is switched off and unplugged from the mains supply before making any adjustments.

1. Loosen the two shoe adjustment screws (8) with a hex key (9) and position the shoe (5) to shield the length of saw blade as required.
2. Re-tighten the shoe adjustment screws (8). Take care not to overtighten the screws or you will strip the thread.
3. Position the angle of the shoe as required by pivoting it on its axis (6).



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

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 work pieces should be held in a vice or clamped to the workbench.
4. Mark out the cutting line.
5. Press the lock-off button and squeeze the trigger.
6. Wait until the saw has reached maximum speed.
7. Place the shoe on the work piece 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 work piece and hold the saw firmly in position.
4. Press the lock-off button and squeeze the trigger to start the cutting action.



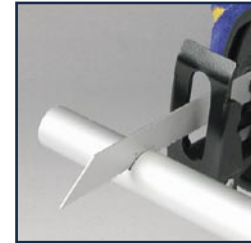
WARNING. Make sure that the blade does not touch the work piece until the blade has reached maximum speed since this could cause loss of control and serious injury.

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.



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 saw. A mild detergent on a damp cloth is recommended. Water must never come into contact with the saw.

General inspection

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

Repairs

Only an authorised service centre should replace the cordset or carry out other repairs. If the cordset is damaged or worn, have it repaired or replaced by an authorised service centre.

Carefully read the entire Instruction Manual before using this product.

Before returning this product for a Warranty Claim or any other reason
Please Call 1300 880 001 (Australia) or 0800 445 721 (New Zealand)

When you make your call, please have the following information at hand:

■ GMC Product Type ■ GMC Product Code

A GMC Service Engineer will take your call and, in most cases, will be able to solve your problem over the phone.

You are welcome to use this phone-in service to make suggestions or give comments about any GMC product.

With continuing product development changes may have occurred which render the product received slightly different to that shown in this instruction manual.

The manufacturer reserves the right to change specifications without notice.

Note: Specifications may differ from country to country.

 Helpline 1300 880 001 (Australia) or 0800 445 721 (New Zealand)

Register your warranty on line at www.gmcompany.com
and enter your receipt details.

The GMC 777 Helpline operates from 7am to 7pm, 7 days a week (EST).

This allows you to contact GMC directly with any queries and technical questions you have regarding products.

Save this Manual for future reference

GMC Head Office:

45-55 South Centre Road, Melbourne Airport, Victoria, Australia 3045
Telephone (03) 8346 1100 Fax (03) 8346 1200

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