



INSTRUCTION MANUAL

REDEYE®

Pendulum Action Jigsaw

with Laser Line Generator



• Melbourne • Perth • Auckland • Hong Kong • Shanghai
• Taipei • New York • Verona • London • Paris

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Contents



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. Phone 1300 880 001 in Australia or 0800 445 721 in New Zealand.

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 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.

WARNINGS.

1. It may be more difficult to see the laser line in conditions of bright sunshine and on certain surfaces.
2. When storing the tool, remove the batteries in case of leakage.
3. Batteries or damage due to leaking batteries are not covered under warranty.

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:	230-240V ~ 50 Hz
Power input:	500W
No load speed:	800 to 3000min ⁻¹
Cutting angle range:	0° to 45°, left and right
Cutting depth in:	
Wood:	70mm
Steel:	6mm
Sound pressure level:	94.5 dB(A)
Weight:	2.6kg
Laser class:	2
Laser wavelength:	400-700nm
Laser output power:	≤ 1mW

Safety rules for laser lights

The laser light/laser radiation used in the GMC REDEYE® system is Class 2 with maximum $\leq 1\text{mW}$ and 400 – 700nm wavelength. These lasers do not normally present an optical hazard, although staring at the beam may cause flash blindness

Warning. Do not stare directly at the laser beam. A hazard may exist if you deliberately stare into the beam, please observe all safety rules as follows

- The laser shall be used and maintained in accordance with the manufacturer's instructions
- Never aim the beam at any person or an object other than the work piece



- The laser beam shall not be deliberately aimed at personnel and shall be prevented from being directed towards the eye of a person for longer than 0.25s
- Always ensure the laser beam is aimed at a sturdy work piece without reflective surfaces i.e. wood or rough coated surfaces are acceptable. Bright shiny reflective sheet steel or the like is not suitable for laser use as the reflective surface could direct the beam back at the operator.
- Do not change the laser light assembly with a different type. Repairs must only be carried out by the laser manufacturer or an authorised agent.

CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure

Please refer to the relevant Australian standards AS 2397 and AS/NZS2211 for more information on Lasers

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 jigsaws

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.

Your tool is double insulated for additional protection against a possible electrical insulation failure within the tool.

Always remove the plug from the mains socket before making any adjustments or maintenance, including changing the blade.

- Ensure that the lighting is adequate
- Do not use the saw unless the guards are in place
- Keep the shoe flat on the work piece
- Do not put pressure on the saw such that it slows the motor down. Allow the sawblade to cut without pressure. You will get better results and you will be taking better care of your tool.
- Keep the area free of tripping hazards
- Do not let anyone under 18 years operate this jigsaw
- Only use blades in good condition.
- Before cutting, check that there is sufficient clearance for the blade under the work piece
- Do not touch the blade after operation. It will be very hot.
- Keep your hands away from under the work piece
- Never use your hands to remove sawdust, chips or waste close by the blade
- Rags, cloths, cord, 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
- 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.
- Do not store materials or equipment above a machine in such a way that they could fall into it.
- 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'
- Do not secure the jigsaw upside down in a vice or work bench and use it as a saw bench. This can lead to serious injury.
- When using the jigsaw use safety equipment including safety goggles or shield, ear defenders, dust mask and protective clothing including safety gloves

Contents of carton

- 3 Wood blades
- Dust extraction adaptor
- 3mm Allen key
- Instruction manual

Unpacking

Due to modern mass production techniques, it is unlikely that your 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 jigsaw familiarise yourself with all the operating features and safety requirements

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

1. Laser light on/off switch
2. Jigsaw on/off trigger switch
3. Soft grip handle
4. Shoe plate
5. Allen key
6. Blade guard
7. Blade guide
8. Cutting angle scale
9. Lock on button
10. Pendulum lever
11. Variable speed dial
12. Tool free blade change control
13. Dust extraction adaptor
14. Laser aperture
15. Dust extraction adaptor port



Assembly

The GMC jigsaw is packed, fully assembled except for the blade.

Adjusting the shoe for angular cutting

The shoe plate (4) should be kept flat against the work piece when making a cut. The jigsaw can be tilted left and right to change the angle of cut.

CAUTION. Always ensure that the jigsaw is switched off and plug is removed from the power point before making any adjustments

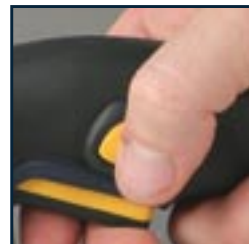
1. To adjust the angle of cutting, first turn the jigsaw upside down and remove the allen key (5) from the storage place on the cord.
2. Turn the allen key anti-clockwise in both screws until it is loose enough for the shoe to be moved backwards from Bevel Locating Pin, and rotated side to side.
3. The shoe plate can then be tilted to set positions at 0°, 15°, 30°, 45° each way by using the notches in the cutting angle scale (8) to measure the angle of cut.
4. When you have chosen the angle, push the cutting angle scale forward so that the bevel locating pin keeps the shoe in place. Re-adjust the screws using the allen key turning them clockwise to tighten.



Note. For accurate work it is necessary to make a trial cut, measure the work and reset the angle until the correct setting is achieved.

Switching the jigsaw on/off

1. Connect the plug to the power point
2. Start the tool by squeezing the on/off trigger switch (2). Release the trigger to stop the tool.



If you press the lock on button (9) while the trigger switch is depressed, the switch is kept in the operating position.

Adjusting the cutting speed

The variable speed feature of this jigsaw enhances the cutting performance and saves the blade from undue wear.

The electronic speed control dial (11) is used to program the speed of the blade. The speed should be adapted to the material being cut.

Use your finger or thumb to turn the dial forwards to increase the speed and backwards to decrease it.



Pendulum adjustment

The pendulum lever (10) has 3 positions. The first position "0" selects normal cutting without pendulum action. The next 2 positions cause the blade to swing slightly backwards and forwards as it cuts. This pendulum action increases the efficiency of cutting. Set the pendulum lever (10) to one of the two settings according to degree of pendulum action required. Experiment on a piece of scrap material to



determine the optimum pendulum action setting for the material of the work piece

Making a cut

Warning. The blade guard (6) should always be in place when the jigsaw is in use

1. Switch on the jigsaw and allow the blade to reach maximum speed.
2. Slowly guide the jigsaw forward using both hands keeping the shoe plate flat against the work piece. Do not force the jigsaw



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

Pocket & round cutting

1. When starting a cut from the centre of a work piece, drill a 12mm diameter hole to ensure that there is clearance for the blade.
2. When cutting tight curves reduce the speed of the saw



Warning. Do not move the saw forward along its cut until the blade has completely entered the material and the shoe comes to rest on its surface

Cutting metal

1. When cutting metals, a suitable cooling/cutting oil must be used.
2. Squirt the lubricant onto the blade or work piece at regular intervals during cutting in order to reduce wear on the blade.

Blade guide

The blade guide (7) is spring loaded. Depending on the position of the pendulum lever, the guide remains stationary (non-pendulum) or oscillates backwards and forwards causing the blade to cut with a pendulum action.



Changing a blade

Warning. Always ensure that the saw is switched off and plug is removed from the power point before making any adjustments

Removing the blade

1. Turn the jigsaw upside down so you can access the blade.
2. Using your thumb and forefinger push down the tool free blade change control on both sides of the jigsaw blade ensuring that your fingers do not contact the teeth of the jigsaw blade.



3. Whilst the tool-free blade change control is in its uppermost position the blade to be replaced is free and can be easily removed by pulling downwards towards the base of the unit.

Note. If the blade is difficult to release using the blade change control, lightly tap the end of the blade with a wooden mallet or similar. This will free the blade which can then be released as before using the blade change control.

Refitting a new blade

1. Ensure the blade change control (12) is pressed down, slide the new blade into the locating groove in the blade clamp with the teeth pointing forward, ensuring that the blade rear edge is located and supported by the blade guide.

2. Release the blade change control and the blade will secure firmly in place.
3. Replace the plug and run the jigsaw under no load to check that it runs smoothly and the blade is secure before using it to cut any materials.

Dust extraction adaptor

The dust extraction adaptor (13) allows a dust extraction system or a household vacuum cleaner to be connected to the tool in order to remove dust whilst the tool is in use.

Warning. Do not use a dust extraction system or a vacuum cleaner when cutting metal. Sparks may ignite residual wood dust.

Using the redeye laser line system

Laser light assembly

The laser light is powered from a transformer housed within the assembly. The REDEYE® laser line can be used for improved operator cutting vision, accuracy of cut, faster set-up and increased safety of operation.

Laser light on/off switch

The laser beam can be switched on and off using the switch (1).

Laser aperture

When the REDEYE® laser line is switched on, an intense narrow beam of pure red light is emitted from the laser aperture (14). The line shines along the work piece to guide you as you cut. The line is clearly visible and will not be obscured by sawdust.

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.

1. Keep the tool's air vents undogged and clean at all times.
2. Regularly check to see if any dust or foreign matter has entered the grills near the motor and around the trigger switch. Use a soft brush to remove any accumulated dust. Wear safety glasses to protect your eyes whilst cleaning.
3. Re-lubricate all moving parts at regular intervals.
4. If the body of the saw needs cleaning, wipe it with a soft damp cloth. A mild detergent can be used but nothing like alcohol, petrol or other cleaning agent.
5. Never use caustic agents to clean plastic parts.

CAUTION. Water must never come into contact with the saw.

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.

General inspection

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

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.



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 our products.



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Save this Manual for future reference.