1400W
TILE AND TRIM CIRCULAR SAW

TTS5000M

INSTRUCTION MANUAL

GMC®

GLOBAL MACHINERY COMPANY

Black	Magenta	**Code:** TTS5000M		
Cyan	Yellow	**Date:** 070206	**Edition:** 13	**Op:** DCR

用本处所有显示的颜色打印包装资料。**Print artwork using ALL inks shown here.**

Contents

Warranty Power Tools

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 for home domestic use 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 repaired or replaced free of charge with another of the same item. A small freight charge may apply. 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 items or included accessories. Only the power tool is covered under this warranty.

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

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

Conditions apply to the above warranty. For full details of the warranty terms and conditions please refer to our website – **www.gmcompany.com**

For prompt service we suggest you log your service request online - www.gmcservice.com.au, should you not have access to the internet, please contact our service department on 1300 880 001 (Australia) or 0800 445 721 (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. Do not attempt to change the position of the laser under any circumstances, it has been set at the factory and is accurately focused on the centre of the saw blade.
2. It may be more difficult to see the laser line in conditions of bright sunshine and on certain surfaces.

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.

Conforms to relevant standards for electromagnetic compatibility.

Specifications

Voltage:	230–240V ~ 50 Hz
Power input:	1400W
No load speed:	6800min^{-1}
Blade diameter:	Ø125mm (5")
Blade bore:	Ø22.2mm
Blade kerf:	2.5mm
Bevel range:	0–45°
Cutting capacity at 90°:	38mm
Cutting capacity at 45°:	27mm
Weight:	3.7kg

This tool is double insulated. There are two independent barriers of insulation to protect you from the possibility of electric shock.

General safety rules

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

Save these instructions

1. Work area

a. Keep work area clean and well lit. Cluttered and 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.

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 safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c. 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.

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 these devices 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 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 tools 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 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 those intended could result in a hazardous situation.

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 laser lights

The laser light/laser radiation used in the GMC REDEYE® system is Class 2 with maximum 1mW and 650nm wavelengths. 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.

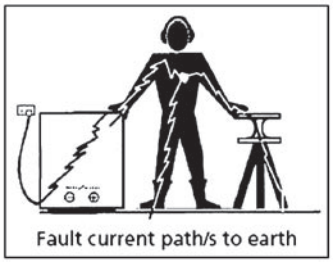
A hazard may exist if you deliberately stare into the beam. Please observe all safety rules as follows:

- 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 0.25sec.
- Always ensure the laser beam is aimed at a sturdy work piece without reflective surfaces, i.e. timber 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.

Additional safety rules when using water cooling system

The TTS5000M Tile/Trim Saw has been fitted with a Residual Current Device (RCD) safety switch (Fig. A) designed to immediately switch the electricity off if a fault is detected to avoid the risk of a potentially fatal shock.



WARNING. To be effective, the RCD must ALWAYS be in good working condition. (see **'Testing your safety switch'** for further details).

- The RCD device is not designed for outdoor use, INDOOR USE ONLY
- Electricity can be dangerous, the use of an RCD device should not be regarded as a substitute for basic electrical safety precautions
- You must unplug all equipment to achieve isolation before any inspection or repair of that equipment is attempted
- Please seek advice from an electrical contractor or a GMC Technical service person if the RCD device repeatedly trips, or fails to trip in accordance with the instructions provided
- Never immerse your RCD device in water, and do not expose the unit to rain
- Do not connect your RCD device to an extension cord
- You must take proper care of your RCD device, take care not to drop it on hard surfaces as it may crack and/or damage the internal components

Additional safety rules for tile and timber cutting saws

- **DANGER. DO NOT** use the water cooling system when using the saw as a timber trimmer. Keep the saw well away from water when in timber trimming mode.
- **WARNING!** The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.
- Only use wet cutting discs for tile cutting operations. Dry cutting discs are unsuitable for this saw and may distort or break giving rise to the chance of serious personal injury.
- Do not use a disc marked with a lower RPM than that of the maximum load speed shown on the rating plate. Lower rated discs can distort or break.
- Sharp edges and splinters of ceramic tiles can easily cause cuts. Wear work gloves for handling and while cutting tiles.
- Keep hands away from cutting area and blade. Keep your second hand on the auxiliary handle, or motor housing. If both hands are holding the saw, they cannot be cut by the blade.
- Keep your body positioned to either side of the blade, but not in line with the blade. Kickback could cause the tool to jump backwards.
- Do not reach underneath the workpiece. The guard cannot protect you from the blade below the workpiece.
- Do not attempt to remove cut material when the blade is rotating. Note that the blade will continue to coast for a while after the motor is switched off.
- Always make sure that the blade has stopped spinning before putting the tool down on a bench or the floor. A spinning blade can cause the tool to move, cutting whatever is in its path.
- Adjust the cutting depth to the thickness of the workpiece. Less than 5mm of the blade should be visible below the workpiece.

- Never hold the piece being cut in your hands or across your leg. Secure the workpiece to a stable platform. It is important to support the work properly to minimize body exposure, blade binding, or loss of control.
- Hold the power tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a “live” wire will also make exposed metal parts of the power tool “live” and shock the operator.
- When ripping, always use a rip fence or straight edge guide. This improves the accuracy of cut and reduces the chance of the blade binding.
- Always use blades with correct size and shape (diamond versus round) of arbour holes. Blades that do not match the mounting hardware of the saw will run eccentrically, causing loss of control.
- Never use damaged or incorrect blade washers or bolts. The blade washers and bolt were specially designed for your saw, for optimum performance and safety of operation.
- Never wet cut with blades designed for dry cutting. There is danger of blade fracture and serious personal injury.
- Always wear a dust mask and gloves when cutting tiles. Some material contains chemicals which may be toxic. Take care to prevent dust inhalation and skin contact.
- Diamond blades do not cut material, rather they grind material to perform a cutting action. Do not feed the blade into the tile/masonry faster than the blade can grind.
- Match the diamond blade to the cutting operation being performed.
- Before mounting a blade, check the blade, the arbour, blade bolt and flanges for damage or wear. Arrange for any damaged or worn parts to be replaced by GMC using original parts.
- Never grind a tile using the side of the blade, or try to make radius or curve cuts. This will damage the blade and could cause blade fracture.

Testing your safety switch

IMPORTANT. Ensure the RCD is tested upon every use. It is essential that the safety switch is tested to ensure it is functioning correctly. We strongly recommend that this procedure is conducted without fail before every use.

1. Plug your RCD device into a fixed 230-240Vac ~ 50Hz power wall socket outlet and switch on.

WARNING. The RCD device should be connected directly to a mains socket outlet only, never connect your RCD device to an extension cord.

2. To set the RCD into the ON position, press the green “RESET” button. The “RED ON” illuminator will then transform from a clear colour to a red colour (Fig. B).

3. Press the “TEST” button. Doing this will make the RCD device trip immediately, and will remove the flow of power to the connected appliance. It then will change the “RED ON” illuminator to a clear colour, if this occurs it confirms that the RCD device is operational (Fig. C). If the RCD device does not trip as per the explanation above, please contact the GMC help line for assistance.
4. Upon tripping, you must reset RCD to the “ON” position. Press the green “RESET” button, the “RED ON” illuminator will transform from a clear colour to a red colour (Fig. B).

IMPORTANT. If your RCD device does not operate correctly in accordance with the instructions provided, you must stop using the device and contact the GMC help line.

Causes and operator prevention of kickback:

- Kickback is a sudden reaction to a pinched, bound or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator,
- When the blade is pinched or bound tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator;
- If the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the timber causing the blade to climb out of the kerf and jump back toward the operator.

Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

- Maintain a firm grip with both hands on the saw and position your arms to resist kickback forces. Position your body to either side of the blade, but not in line with the blade. Kickback could cause the saw to jump backwards, but kickback forces can be controlled by the operator, if proper precautions are taken.
- When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or kickback may occur. Investigate and take corrective actions to eliminate the cause of blade binding.
- When restarting a saw in the workpiece, centre the saw blade in the kerf and check that saw teeth are not engaged into the material. If saw blade is binding, it may walk up or kickback from the workpiece as the saw is restarted.
- Support large panels to minimise the risk of blade pinching and kickback. Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel.
- Do not use dull or damaged blades. Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding and kickback.
- Blade depth and bevel adjusting locking levers must be tight and secure before making cut. If blade adjustment shifts while cutting, it may cause binding and kickback.
- Use extra caution when making a “plunge cut” into existing walls or other blind areas. The protruding blade may cut objects that can cause kickback.

The protruding blade may cut objects that can cause kickback.

- Check lower guard for proper closing before each use. Do not operate the saw if lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position. If saw is accidentally dropped, lower guard may be bent. Raise the lower guard with the retracting handle and make sure it moves freely and does not touch the blade or any other part, in all angles and depths of cut.
- Check the operation of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use. Lower guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.
- Lower guard should be retracted manually only for special cuts such as “plunge cuts” and “compound cuts.” Raise lower guard by retracting handle and as soon as blade enters the material, the lower guard must be released. For all other sawing, the lower guard should operate automatically.
- Always observe that the lower guard is covering the blade before placing saw down on bench or floor. An unprotected, coasting blade will cause the saw to walk backwards, cutting whatever is in its path. Be aware of the time it takes for the blade to stop after switch is released.

Accessories

The GMC TTS5000M Tile/Trim Saw is supplied with the following accessories as standard:

- Residual Current Device (Fitted)
- 125mm Diamond Turbocut Blade (Fitted) for wet tile/masonry cutting ONLY
- 125mm 24-teeth TCT Blade for timber cutting ONLY
- Water Cooling System (Fitted)
- Parallel Guide
- Hex Key for Blade Bolt
- Dust Extraction Adaptor for Timber Cutting
- Carry Case

Unpacking

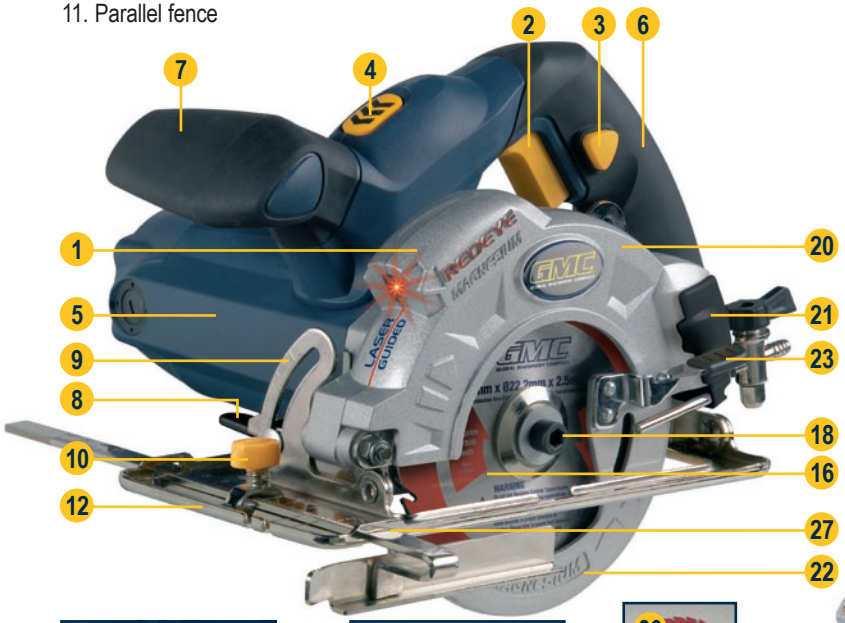
Due to modern mass production techniques, it is unlikely that your GMC Power Tool is faulty or that a part is missing. If you find anything wrong, do not operate the tool until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

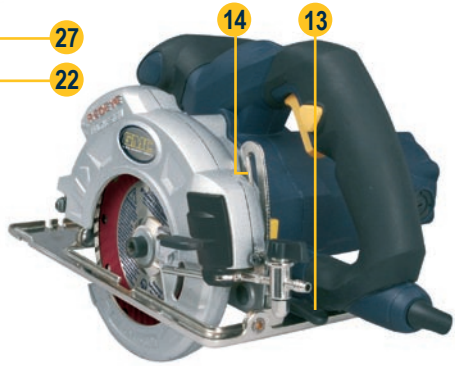
Assembly

The GMC Tile/Trim Saw is packed and fully assembled (with tile cutting disc/blade) except for the rip fence.

Know your product

1. Laser light assembly
2. Trigger switch
3. Lock off button
4. Laser light on/off button
5. Motor housing
6. Main handle
7. Front handle
8. Bevel adjustment lever
9. Bevel scale
10. Parallel fence locking knob
11. Parallel fence
12. Base plate
13. Depth locking lever
14. Depth of cut indicator
15. Spindle lock button
16. Disc/Blade
17. Hex key for blade bolt
18. Blade bolt
19a. 90° Blade guide notch
19b. 45° Blade guide notch
20. Upper blade guard
21. Water system port plug
22. Retractable lower blade guard
23. Blade guard lever
24. Water inlet tube
25. Water cock
26. Water distribution tube
27. Parallel fence slots
28. Water tube plug
29. Residual Current Device (RCD)
30. Timber cutting blade
31. Masonry cutting blade
32. Dust extraction adaptor





Overview

You have purchased a 1400 Watt Tile/Trim Saw with the GMC REDEYE® laser line cutting system.

Please refer to the safety instructions given earlier in this manual for important instructions regarding the use of the laser and Residual Current Device (RCD).

The saw is capable of ripping and cross cutting hardwoods, softwoods and man made boards (with the timber cutting blade) and wet cutting ceramic tiles, glass, slate and terracotta tiles (with the tile cutting disc) quickly, accurately and safely, when used correctly.

By loosening the bevel adjustment lever (8), the body and the blade of the saw can be tilted to any angle up to 45° for making angle cuts. Please note that the maximum depth of cut is reduced when cutting at an angle.

A fixed upper blade guard (20) encloses the upper part of the blade. As the saw advances through the work piece, the retractable lower blade guard (22) is pushed back by the edge of the workpiece to expose only that part of the blade which is needed. When the blade clears the work, the spring loaded lower blade guard snaps back to completely enclose the blade.

Selecting the correct blade

WARNING. It is very important from a safety point of view to use the correct blade.

The timber cutting blade should only be used for sawing timber and timber products. It must not be used for tile cutting (Fig. D).

Similarly, the tile cutting blade (Fig. E) should only be used for wet cutting tiles and the water cooling system (24) must always be correctly dispersing water onto the wet cutting tile blade as it grinds through the tile.

Note. Neither the tile disc/blade nor the water cooling system should be used for timber cutting.

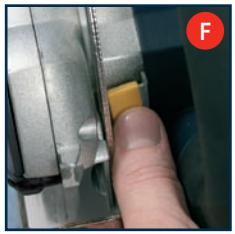
Changing the disc / blade

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

WARNING. Always ensure the correct blade is fitted for the specific task at hand. NEVER use the timber cutting blade to cut tiles and similarly, NEVER use the wet cutting tile blade to cut timber.

IMPORTANT. Always remove the water cooling system before cutting timber.

1. Place saw on its side on a flat surface.
2. Rotate the saw blade by hand whilst depressing the spindle lock button (15) until the blade locks (Fig. F).
3. Whilst depressing the spindle lock button, turn the blade bolt clockwise using the hex key (17) (Fig. G).
4. Remove the washer, outer blade flange and the blade bolt.
5. Raise the lower blade guard (22) using the lever (23).
6. Remove the saw blade from the inner flange and pull it out.
7. Clean the saw blade flanges thoroughly before mounting the new saw blade. Wipe a drop of oil onto the inner and outer flange where they will touch the blade.



8. Mount the new saw blade onto the spindle and against the inner flange (Fig. H).
9. Replace the outer flange and washer and tighten the blade bolt by turning in an anti-clockwise direction (Fig. I).
10. Ensure that the spindle lock button (15) is released.
11. Before using the saw again, check that the safety devices ie. Lower blade guard, are in good working order.

IMPORTANT. After replacing the saw blade, make sure that the saw blade runs freely by turning the blade by hand. Check that the directional arrow on the saw blade points clockwise when viewed from the mounting side.

12. Plug the machine into a power socket and run the saw under no load to check that it runs smoothly before using it to cut any material.

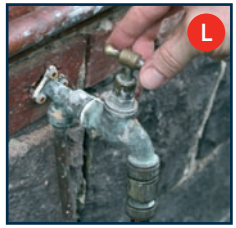
Using the water system

CAUTION. Always ensure that the tool is switched off and unplugged from the power supply before making any adjustments.

WARNING. Be sure to always use a tile cutting blade designed specifically for wet tile cutting. When used properly with the water system, wet cutting tile blade will give a consistently smoother cut.

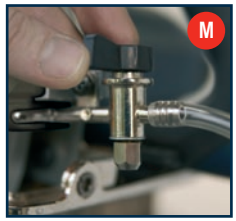
IMPORTANT. NEVER use the water cooling system when cutting timber. It must be removed before use.

1. Firmly slide the water distribution tube (26) onto the water inlet tube (24). Ensure it is fitted firmly (Fig. J). If you find it difficult to slide the tube on, submerge the end of the tube in hot water then try again. This will assist the tube in stretching to size.



Note. Before using the water system with the tool, always ensure the RCD (29) is in good working order.

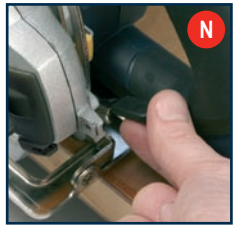
2. Insert the water tube plug (28) into a hose socket connection (Fig. K).
3. Turn the water on lightly at the faucet (Fig. L).
4. Adjust the amount of water flow by simply adjusting the water cock (25) (Fig. M).



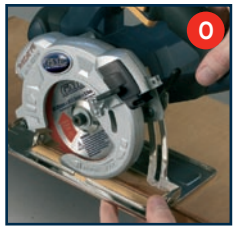
Adjusting the cutting depth

CAUTION. Always ensure that the tool is switched off and unplugged from the power supply before making any adjustments.

1. Ensure that the saw is facing away from you.
2. Loosen the depth locking lever (13) by pushing the lever downwards (Fig. N).



3. Hold the base plate flat against the edge of the work piece and lift the body of the saw until the blade is at the right depth (Fig. O & P). Use the depth of cut indicator (14) to determine the cutting depth.



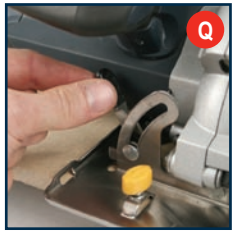
4. Tighten the depth locking lever (13) by pushing the lever upwards (Fig. N).

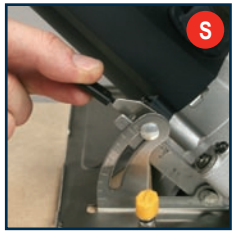
Note. Always use the correct blade depth setting. The correct blade depth setting for all cuts should not be more than 5mm below the material being cut. Allowing more depth will increase the chance of kickback and result in a rough cut.

Adjusting the bevel angle

CAUTION. Always ensure that the tool is switched off and unplugged from the power supply before making any adjustments.

1. The saw can be adjusted to cut at any angle between 0° and 45°.
2. Loosen the bevel adjustment lever (8) located at the front of the base plate (12) (Fig. Q).
3. Tilt the body of the saw until the required angle is reached (Fig. R & S).

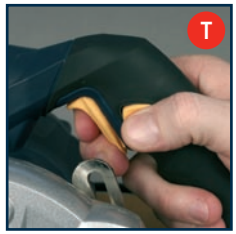




4. Tighten the bevel adjustment lever (8) to secure the base plate.

Note. Always make a trial cut in a scrap piece of material along a guideline to determine how much you should offset the blade from the guideline to make an accurate cut.

Operation



CAUTION. This tool should only be used on horizontal surfaces.

Switching on and off

1. Connect the plug to the power supply.
2. To switch on the saw, use your thumb to first press and hold in the lock off button (3) and then squeeze the trigger switch (2) (Fig. T). Once the saw has started there is no need to hold the lock off button depressed.
3. When you release the trigger switch (2), the saw turns off.
4. To restart, it is necessary to again first depress the lock off button.

CAUTION. Allow the blade to come to a complete standstill before setting the saw down.

Using the REDEYE® system

WARNINGS. Do not stare directly at the laser beam.

Never aim the beam at any person or an object other than the workpiece.

Do not deliberately aim the beam at personnel and ensure that it is not directed towards the eye of a person for longer than 0.25 seconds.

Always ensure the laser beam is aimed at a workpiece without reflective surfaces. Mirror tiles or the like are not suitable for laser use as the reflective surface could direct the beam back at the operator.

Only turn laser beam on when the tool is on the workpiece.

1. Mark the line of the cut on the workpiece.
2. Adjust the depth of cut and bevel angle as required.
3. Rest the front edge of the base on the workpiece.

4. Switch on the laser beam using the laser light on/off button (4) (Fig. U).
5. Align the beam with the line on the workpiece (Fig. V).
6. Start the motor by pressing the lock off button (3) and squeezing the trigger switch (2).

7. Always let the blade reach full speed (approximately 2 seconds) before you begin to cut into the workpiece.
8. Slowly push the saw forward using both hands, keeping the red laser light beam on the line of cut.
9. After completing your cut, release the trigger switch and allow the blade to come to a complete stop. Do not remove the saw from the work piece while the blade is moving.
10. Switch off the laser beam on completion of the cut.

Making a cut

1. Mark the line of cut on the workpiece.
2. Adjust the depth of cut and bevel angle as required.
3. Rest the front edge of the base plate (12) on the workpiece. Make sure that there is no contact between the blade and the workpiece (Fig. W).

4. Start the motor by pressing the lock off button (3) and squeezing the trigger switch (2).

Note. Always let the blade reach full speed (approximately 2 seconds) before you begin to cut into the workpiece.

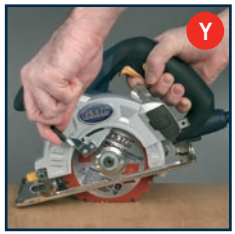
5. Slowly push the saw forward using both hands (Fig. X).
6. When making a cut always use steady, even pressure. Forcing the saw causes rough cuts and could shorten the life of the saw or cause kickback. Allow the blade and the saw to do the work.
7. After completing your cut, release the trigger switch and allow the blade to come to a complete stop. Do not remove the saw from the workpiece while the blade is moving.

Note. To prevent possible overload of the motor, the depth of cut should not be more than 20mm at a pass. When you wish to cut deeper than 20mm make a number of passes with progressively deeper settings.

Note. As a general rule, align the outer blade guide notch (19b) on the front of the base plate with the cut line when making bevel cuts. For more accuracy, it may be necessary to make a trial cut in a scrap piece of material along a guideline to determine how much you should offset the blade from the guideline. At the same time, you can also check the angle of cut if this is critical. The outer blade guide notch (19a) should be aligned with the cutting line when making straight cuts.

Making a plunge cut

1. Adjust the depth of cut as required.
2. Adjust the bevel setting to 0°.
3. Use the blade guard lever (23) to raise the lower blade guard (22) and expose the saw blade (Fig. Y).



4. Firmly rest the front of the base plate (12) flat against the workpiece with the rear handle raised, so the blade does not touch the workpiece.
5. With the blade just clearing the workpiece, start the motor by pressing the lock off button (3) and squeezing the trigger switch (2).

6. Always let the blade reach full speed (approximately 2 seconds) before you begin to cut into the workpiece.
7. Slowly lower the saw into the workpiece, using the front of the base resting on the workpiece as a hinge point.

WARNING. As soon as the blade starts cutting the material, release the lower blade guard lever (23).

8. Once the base plate (12) is flat against the workpiece, proceed cutting in a forward direction to the end of the cut.
9. After completing your cut, release the trigger switch (2) and allow the blade to come to a complete stop. Do not remove the saw from the workpiece while the blade is moving.

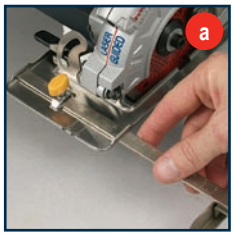
Note. If the corners of your plunge cut are not completely cut through, use a jigsaw or hack saw (with a masonry cutting blade) to finish the corners.

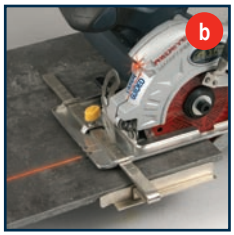
Using the parallel fence

The parallel fence (11) allows you to make parallel cuts in a tile, all at the same width.

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

1. Loosen the parallel fence locking knob (10) (Fig. Z).
2. Slide the parallel fence (11) through the slots in the base plate (27) (Fig. a).
3. Adjust the parallel fence to the required width and secure it in position with the parallel fence locking knob (10).
4. Ensure that the parallel fence rests against the tile along its entire length to give a consistent parallel cut (Fig. b).





Fitting the dust extraction adaptor

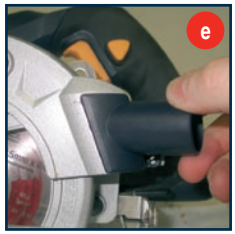
IMPORTANT. Always remove the water cooling system before cutting timber.

IMPORTANT. Always remove and clean the port of debris after use.

1. Remove the water system port plug (21) by removing the fixing screw (Fig. c) and sliding it from the dust extraction port.

Note. Use a flat headed screwdriver at the front center of the water system port plug and lever outwards (Fig. d).

2. Fit the dust extraction adaptor (32) into the dust extraction port (Fig. e).
3. Slide the fixing screw through the inlet on the adaptor (32) and onto the bracket of the saw. Ensure this is tight (Fig. f).



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.

Always wear sturdy gloves when handling or changing blades as they can be very sharp.

1. Keep the tool's air vents unclogged 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.

General inspection

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

If the power cord or RCD needs replacing, the task must be carried out by the manufacturer, the manufacturer's agent, or a qualified electrical repairer in order to avoid a safety hazard.

Power cord and RCD maintenance

IMPORTANT. Ensure the RCD is tested upon every use. It is essential that the safety switch is tested to ensure it is functioning correctly. We strongly recommend that a test of the RCD is conducted without fail before each use. Refer to **Testing your safety switch.**

If the power cord or RCD needs replacing, the task must be carried out by the manufacturer, the manufacturer's agent, or a qualified electrical repairer in order to avoid a safety hazard.

Troubleshooting

Trouble	Problem	Suggested remedy
Saw will not start	Power cord not plugged in	Ensure that the cord is connected to the power supply
	Power fault, fuse or circuit breaker tripped	Check the power supply
	Cord damaged	Use a qualified electrical repairer to repair or replace
	Burned out switch	Use a qualified electrical repairer to repair or replace
	Faulty motor	Use a qualified electrical repairer to repair or replace the motor
Blade does not reach full speed	Extension cord too long or undersized	Use extension cord heavy enough to carry the current
	Tool is overheating	Turn off the tool and let it cool down to room temperature. Inspect and clean the ventilation slots
Poor cutting	Accessory blunted	Replace with new circular saw blade
	No water on blade (tile cutting only)	Ensure water cooling on/off lever is in the "on" position
Vibration or abnormal noise	Loose parts	Check to see that all knobs and levers are securely tightened including bevel adjustment lever, depth locking lever and parallel fence locking knob
	Blade vibrating	Ensure that the blade nut is securely tightened
	Moving parts excessively worn	Use a qualified electrical repairer to repair or replace

GMC customer assist

Attach Your Receipt Here

If your product needs repairing, replacing, technical service or you simply need help or advice, please contact us on our Customer Assist Line 1300 880 001 (Australia) or 0800 445 721 (New Zealand).

For prompt service we suggest you log your service request online at **www.gmcservice.com.au.** Should you not have access to the Internet, please contact our service department on **1300 880 001 (Australia) or 0800 445 721 (New Zealand). 7am – 7pm, 7days a week (AEST).**

Please note that if repair or replacement is required, you must provide a valid original purchase receipt.

You will need the following details at hand to log your service request;

Personal details: First & Last name, address, pick up address, contact phone numbers, email address

Product details: Product number, date of purchase, retailer bought from, State & postcode, receipt number, reason for the request, copy of official purchase receipt

Attach your purchase receipt and save with this Manual for future reference.

Please refer to our website **www.gmcompany.com** for full GMC warranty Terms and Conditions.

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