



400W RANDOM ORBITAL SANDER

RDS400A
INSTRUCTION MANUAL

GMC®

GLOBAL MACHINERY COMPANY

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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 powertool 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.

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.

N380

Specifications

Voltage:	230-240V ~ 50Hz
Power rating:	400W
No load speed:	4000-12500 min ⁻¹
Sandpaper type:	Hook and loop
Random orbital sanding sheet size:	Ø125mm
Weight:	2.2kg
Sound pressure value:	84dB(A)

This sander 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 sanders

Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.

- Fully unwind cable drum extensions to avoid potential overheating.
- When an extension cable is required, you must ensure it has the right ampere rating for your power tool and is in a safe electrical condition.

- Ensure your mains supply voltage is the same as your tool rating plate voltage.
- Your tool is double insulated  for additional protection against a possible electrical insulation failure within the tool.
- Always check walls, floors and ceilings to avoid hidden power cables and pipes.
- After long working periods external metal parts and accessories could be hot.
- Do not force the sander; 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 sanding and possible damage to the sander motor.
- When sanding wood, always connect the dust extraction filter.
- Take special care to guard against harmful and toxic dusts when sanding lead-based painted surfaces, woods and metals, including the following:
 - All persons entering the work area must wear a mask specially designed for protection against toxic dust and fumes such as those arising from the sanding of lead paint.
 - Children and pregnant women must not enter the work area.
 - Do not eat, drink or smoke in the work area.
- Before using the sander with metal always remove the extraction filter from the outlet as sparks may ignite the dust or the internal bag.
- Do not continue to use worn, torn or heavily clogged sanding sheets.
- Do not touch the moving sanding sheet.
- Ensure that you have removed foreign objects such as nails and screws from the work before commencing sanding.
- Rags, cloths, cord, string and the like should never be left around the work area.

Wear goggles

Wear ear defenders

Wear a breathing mask

Contents of carton

The GMC ROS400A Random Orbital Sander is supplied with the following accessories as standard:

- 5 x 80 grit hook & loop sanding sheets
- Dust bag
- 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 Random Orbital Sander is packed, fully assembled.

Know your product

1. Adjustable front handle
2. Front handle lock
3. Sanding base (platen)
4. On/off trigger switch
5. Lock-on button
6. Variable speed controller
7. Washable dust bag
8. Dust extraction port
9. Rear handle



Switching on and off

1. Connect the plug to the power supply.
2. Squeeze the on/off trigger switch (4) to start the sander.
3. To lock the switch "on" for continuous operation, press the lock-on button (5) while the trigger is engaged.
4. To release the lock-on button, squeeze and release the trigger switch.
5. Hold the tool securely and make sure that you have full control at all times.



Using the sander

The sander can be used for most sanding and polishing operations on materials such as wood, plastic, steel and painted surfaces.

CAUTION. Always wear safety goggles and a mask.

1. Grip the rear handle (9) in one hand and push down on the adjustable front handle (1) with the other hand. Hold the sander flat against the workpiece before switching on.
2. Switch the sander on and move it evenly over the work surface in a circular motion using only moderate pressure.
3. If marks remain in the work surface, try using a coarser grit before recommencing with the original grit choice. Alternatively try using a new disc of the same grit before going on to a finer grit and finishing the job.
4. For polishing, a lambs wool polishing bonnet (not supplied) can be purchased to fit the platen. When fitted and used with a good quality polish it can be used to polish paintwork to a high sheen. Use a low speed to

prevent burning the paintwork.

WARNING. Use great care when polishing and follow all polish manufacturers recommendations. Always test first on a small area which will not be seen.

Ensure any sanding grit residue is completely cleaned from the sander and platen before using as a polisher. If grit is present when polishing it can scratch the work surface. The manufacturer takes no responsibility for scratches resulting from sanding grit residue.

Adjusting the speed

The speed can be adjusted to suit the material being sanded.

To adjust the speed, move the variable speed control (6) until you are satisfied that the speed is what you need for the job in hand.



Fitting a sanding sheet

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. Before fitting sandpaper, remove any dust or debris from the hooks and loops of the base.
2. Match the holes in a suitable sheet with the holes in the sanding base (3).
3. Simply press the sheet to the base to attach it.
4. To remove the sheet, peel it away from the base.



CAUTION. Take care to regularly clean out the build up of dust on the base underneath the sandpaper and not to let the sandpaper wear completely down before replacing it. Failure to observe these two precautionary measures can lead to damage to the hooks and loops on the platen and the sandpaper will not attach properly.

WARNING: Never use the sander unless the entire base is

fitted with sandpaper or another type of pad.

Selecting the right grade of sandpaper

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.

- Different grades of sanding paper can be purchased from your local hardware store. Available grades are: Coarse, Medium and Fine.
- Use a coarse grit to sand down rough finishes, medium grit to smooth the work and fine grit to finish off.
- It is best to make a trial run on a scrap piece of material to determine the optimum grades of sandpaper for a particular job. If there are still marks on your work after sanding, try either going back to a coarser grade and sanding the marks out before recommencing with the original choice of grit, or try using a new piece of sandpaper to eliminate the unwanted marks before going on to a finer grit and finishing the job.

WARNING. Do not use the same sanding sheet for wood and metal. Metal particles become embedded in the sandpaper and will scour a wooden surface.

Adjusting the front handle

The front handle on this sander can be adjusted to suit the needs of the operator and the job.

1. To adjust the front handle loosen the front handle lock (2) enough so that you can easily move the handle into the desired position.
2. Re-tighten the front handle lock (2).



Dust extraction

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. Attach the dust bag (7) to the sander by pushing the tube firmly into the dust extraction port (8).



WARNING. For optimum dust extraction, remove and empty the bag when it is no more than half full.

Do not use the bag when sanding metal. The hot metal particles could cause residual wood dust or the internal bag itself to catch fire.

2. Wash the dust bag periodically in warm soapy water. Make sure the bag is completely dry before replacing it.
3. The sander can be connected to a household vacuum cleaner or workshop dust extraction system using a standard vacuum hose.

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 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 on/off switch. Use a soft brush to remove any accumulated dust. Wear safety glasses to protect your eyes whilst cleaning.
3. If the body of the tool needs cleaning, wipe it with a soft damp cloth. A mild detergent can be used but nothing like alcohol, petrol or other cleaning agent.
4. Never use caustic agents to clean plastic parts.

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

General Inspection

Regularly check that all the fixing screws are tight.

They may vibrate loose over time.

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.

GMC customer assist

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.gmccompany.com for full GMC warranty Terms and Conditions.



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