



950W SDS
ROTARY
HAMMER DRILL

MAG950HD
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 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.

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 ~ 50 Hz
Power input:	950W
No load speed:	0–1100min ⁻¹
Chuck type:	SDS
Keyed chuck capacity:	1.5 –13mm
Impact frequency:	0–5800 bpm
Drilling capacity:	
Wood:	40mm
Steel:	13mm
Masonry:	26mm
Weight:	3.4kg
A weighted sound pressure:	92.6 dB(A)
A weighted sound power:	103.6 dB(A)
Typical weighted vibration:	8.43 m/s ²

The sound intensity level for the operator may exceed 85dB(A) and sound protection measures are necessary

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 drills

Wear ear protectors with hammer drills.

Exposure to noise can cause hearing loss.

Use auxiliary handles supplied with the tool.

Loss of control can cause personal injury.

- 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.

- If possible, always use clamps or a vice to hold your work.
- Always switch off before you put the drill down.
- Ensure that the lighting is adequate.
- Do not put pressure on the drill, such that it slows the motor down. Allow the drill bit 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 tool.
- Only use accessory bits in good condition.
- Before drilling, check that there is sufficient clearance for the drill bit under the work piece.
- Do not touch the bit 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 bit.
- Rags, cloths, cord, string and the like should never be left around the work area.
- Support the work properly.
- If you are interrupted when operating the drill, complete the process and switch off before looking up.
- Periodically check that all nuts, bolts and other fixings are properly tightened.
- When using the drill, use safety equipment including safety glasses or shield, ear defenders, and protective clothing including safety gloves. Wear a dust mask if the drilling operation creates dust.

WARNING. Before connecting a tool to a power source (mains socket 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.

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.

To use this tool properly, you must observe the safety regulations, the assembly instructions and the operating instructions to be found in this Manual. All persons who use and service the machine have to be acquainted with this Manual and must be informed about its potential hazards. Children and frail people must not use this tool. Children should be supervised at all times if they are in the area in which the tool is being used. It is also imperative that you observe the accident prevention regulations in force in your area. The same applies for general rules of occupational health and safety.

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:

- Damage to the lungs if an effective dust mask is not worn.
- Damage to hearing if effective ear defenders are not worn.

Wear goggles

Wear earmuffs

Wear a breathing mask

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.

Contents of carton

- Depth gauge rod
- Auxiliary handle
- SDS Drill bits
 - 12mm x 160mm
 - 16mm x 210mm
 - 18mm x 210mm
- SDS Chisel bits
 - Point chisel 250mm
 - Flat chisel 20mm x 250mm
- SDS Chuck adaptor
- 13mm Keyed chuck
- Chuck key

Assembly

The Drill is packed, fully assembled.

Know your product

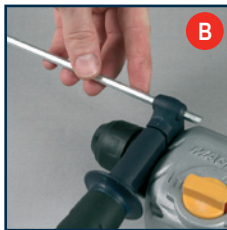
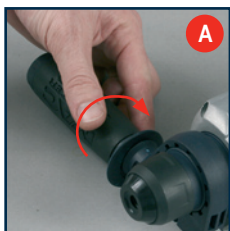
1. On/Off trigger switch
2. Lock on button
3. Soft grip handle
4. Forward/Reverse lever switch
5. SDS Chuck
6. 4-Function selector

7. Selector button
8. Variable speed dial
9. Auxiliary handle
10. Adjustable depth gauge
11. Locking sleeve
12. SDS Chuck adaptor
13. Chuck key
14. 13mm Keyed chuck

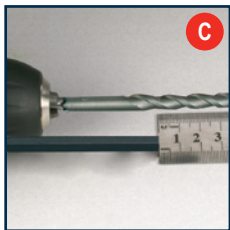


Auxiliary handle and depth gauge

1. Turn the auxiliary handle (9) anti-clockwise to loosen the collar and slip it over the chuck onto the drill (Fig. A).
2. Insert the depth gauge (10) in the hole at the top of the handle (9) (Fig. B).



3. The auxiliary handle (9) can be swivelled around 360° to find the position that offers most comfort and the easiest operation.
4. The depth gauge (10) helps keep an accurate depth when drilling holes to a set depth.
5. To change the position of the depth gauge (10), turn the grip of the handle (9) anti-clockwise until the depth gauge is loose enough to slide in the hole.
6. Set the depth, checking the depth with a steel rule for most accurate measurement (Fig. C).
7. Then turn the handle grip clockwise to tighten both the depth stop and the auxiliary handle in the required position (Fig. D).



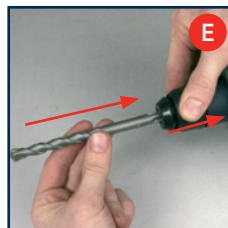
Installing and removing bits

CAUTION. Always ensure that the drill is switched off and plug is removed from the power socket before installing or removing drill bits.

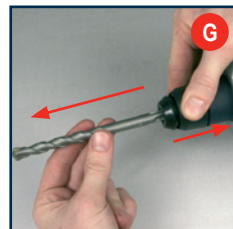
The drill features an SDS-Plus® system which enables easy and safe bit replacement.

Before inserting an SDS-Plus® bit always ensure that the bit end is clean and greased.

1. Pull back the locking sleeve (11) and insert the bit into the chuck opening taking care that the splines on the shaft of the bit locate properly within the chuck (Fig. E).
2. Test for proper location by releasing the locking sleeve (11) and giving the bit a sharp pull. If the bit can be removed, again pull back the locking sleeve, rotate the bit a fraction of a turn and re-insert it into the chuck (Fig. F).



3. Release the locking sleeve and again test for proper location. Repeat if necessary until you are sure that the bit is properly secured.
4. To remove the bit, pull back the locking sleeve (11), remove the bit, and release the locking sleeve (Fig. G).



Note. Hammer action drilling is only possible with the drill set for forward rotation.

Operation

Starting and stopping

1. Plug the cordset into the mains socket.
2. Depress the on/off trigger switch (1) to start the drill and release the trigger when you wish to stop (Fig. H).



Variable speed

1. The speed of the drill can be adjusted using the variable speed dial (8).
2. To increase the speed, turn the dial clockwise (Fig. I).
3. To decrease the speed, turn the dial anti-clockwise (Fig. J).



4. Selecting the speed enables the user to have greater control of the tool and allows drilling in a variety of materials.

Note. The speed can be changed while the drill is running.

Forward/reverse

1. The forward/reverse lever switch (4) is located immediately above the trigger switch (1).
2. It determines the direction of rotation of the tool and serves as a lock off control.
3. To select forward rotation, release the trigger switch and push the forward/reverse lever switch to the left side of the tool (Fig. K).



4. To select reverse, push the forward/reverse lever switch (4) to the right side of the tool (Fig. L).
5. When the switch (4) is left in middle position, it locks the motor (Fig. M).

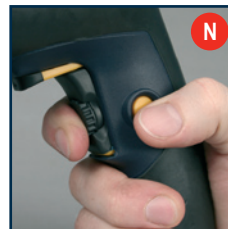


WARNING. When changing the position of the switch (4) be sure the trigger is released and the motor is stationary. Any attempt to reverse the direction of rotation whilst the drill is turning is likely to permanently damage the switch.

Note. The first time the tool is run after changing the direction of rotation, you may hear a click on start up. This is normal and does not indicate a problem.

Lock on button

1. The lock on button (2) maintains the speed of the motor without having to hold the trigger switch (1) depressed.
2. If you require continuous operation, press the lock-on button (2) whilst the trigger switch is depressed (Fig. N).
3. To disengage the lock-on button, press the trigger switch (Fig. O).



Selecting the required function

It is possible to use the rotary hammer drill in four different modes of operation:

1. Rotation only

Non hammer action, non pneumatic

For drilling into metal and wood products, can be used with the 13mm keyed chuck (Fig. P).



2. Rotary hammer action

Pneumatic

For drilling into brick and masonry products (Fig. Q).

CAN NOT be used with the 13mm keyed chuck.

Use SDS drill bits only.



3. Chisel rotation mode

Allows the operator to rotate a flat chisel to the most suitable angle for the task (Fig. R).

CAN NOT be used with the 13mm keyed chuck.



4. Non rotating, pneumatic hammer action

For light demolition work or chiselling such as lifting tiles (Fig. S).

CAN NOT used with the 13mm keyed chuck.

1. To select the required mode of operation, press the selector button (7) and set selector knob (6) to the appropriate position.

2. Release the button (7).



Hints for use

Note. When drilling into masonry, the drilling rate is fast and burnout of the tip will occur if the drill bit is not constantly cleared.

- Use only correctly sharpened drill bits, which are suitable for the material being drilled.
- To drill hard materials, firm pressure is required on the power tool. However, excessive pressure does not improve performance and places unnecessary pressure on the tool and its bit.
- When driving screws, always use a pilot hole and set the speed dial to low. Press firmly on the screw head and pull the trigger gradually increasing the speed. It is always wiser to test the screw driving on a scrap piece of the same material you are using.
- Larger diameter holes in hard wood, steel and concrete have to be drilled at slower speeds. However, the motor must not be struggling with the operation. If the motor is struggling **DO NOT** continue working, pull the drill clear of the work piece and run it on fast speed for a minute or so allowing the motor time to cool down before you attempt a little more of the work. If the job is too hard for the drill, do not continue, otherwise permanent damage to the motor will occur.
- Wire brushing or sanding should be carried out on the highest speed.
- Concrete drilling should be carried out on the highest speed. **DO NOT** overload motor when drilling concrete. **DO NOT** use too much pressure as the hammer action relies on the drill bit being able to move back and forward in the hole being drilled. Always clear the flutes of the drill bit by removing it from the hole regularly.



Fitting the keyed chuck


The keyed chuck (14) supplied as an accessory can be fitted to the SDS chuck with the use of the SDS chuck adaptor (12).

1. The keyed chuck allows bits with a straight shank to be used with the tool.
2. Grip and pull back the locking sleeve (11) and insert the SDS chuck adaptor (12) (Fig. U).
3. It may be necessary to turn the SDS chuck adaptor in order for it to locate properly (Fig. V).



4. Release the locking sleeve (11) to lock the adaptor in place (Fig. W).
5. Screw the keyed chuck (14) onto the threaded end of the SDS chuck adaptor (12) (Fig. X).



WARNING. The keyed chuck (14) is only to be used in the  mode of operation.

It must **NOT BE USED** when an SDS mode is selected .

Maintenance

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

Store the tool, instruction manual and accessories in a secure place. In this way you will always have all the information and parts ready to hand.

Keep your machine and its cord clean. The outside of the machine can be cleaned using a damp soft cloth with a mild detergent if required.

Some maintenance products and solvents may damage the plastic parts; these include products containing benzene, 25 trichloroethylene, chloride and ammonia.

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

Excessive sparking generally indicates the presence of dirt in the motor or abnormal wear on the carbon brushes.

Take special care to keep the ventilation inlets/outlets free from obstruction; cleaning with a soft brush followed by a compressed air jet will usually be sufficient to ensure acceptable internal cleanliness.

Wear eye protection when carrying out cleaning.

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.

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

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.

Re-lubricate all moving parts at regular intervals.

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, 7 days 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.

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