



**900W**

# **1/2" IMPACT WRENCH**

**IW1000**

**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](http://www.gmcompany.com)

For prompt service we suggest you log your service request online - [www.gmcservice.com.au](http://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.



N380

Conforms to relevant standards for electromagnetic compatibility.

## Specifications

Voltage:	230–240Vac ~ 50Hz
Input power:	900W
No Load Speed:	2100min <sup>-1</sup>
Impacts Per Minute:	2700 IPM
Net Weight:	3.4kg
Torque Output:	Max 240ft/lb

## General safety instructions

**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. Please familiarise yourself fully with the device, and understand how it works before operating it for the first time.

### 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/scraping tools sharp and clean.** Properly maintained cutting/scraping 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 impact wrenches

This impact wrench kit is designed for removing and installing nuts and bolts, and has been designed as a general purpose tool kit for DIYers and hobbyists.

- Disconnect the impact wrench from the power supply before changing tools or accessories, servicing and during non-operation.

- Always wear safety glasses and using hearing protection during operation. Exposure to noise may cause hearing loss.
- Do not wear loose fitting clothing and jewellery which may become caught in moving parts and result in serious injury.
- Always use impact-quality sockets only. Do not use handtool sockets, damaged or sockets.
- Always ensure that sockets must be securely attached prior to use.
- Only use sockets that are in good condition.
- Never trigger the tool when it has not been placed in applied to a work object.
- Sockets must be correctly attached.
- Disconnect the power supply before installing sockets or performing any maintenance.
- Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Avoid accidental starting. Check and make sure that the switch is off before plugging in. When carrying the tool be careful and pay attention to where you place your hand and fingers as the switch can invite accidents.
- Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.
- Do not use on a ladder or unstable support. Stable footing on a solid surface enables better control of the tool in unexpected situations.
- Keep the tool and its handle dry, clean and free from oil and grease. Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum based products, or any strong solvents to clean your tool. Following this rule will reduce the risk of loss of control and deterioration of the enclosure plastic.

- Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.
- 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.
- Fully unwind cable drum extensions to avoid potential overheating.
- 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.
- Be careful, after long working periods external metal parts and accessories could be hot.
- Do not put pressure on the impact wrench, such that it slows the motor down. Allow the impact wrench socket to operate without pressure. You will get better results and you will be taking better care of your tool.
- Always switch off before you put the impact wrench down.
- Ensure that the lighting is adequate.
- Keep the area free of tripping hazards.
- Do not touch the socket after operation. It may be hot.
- Do not let anyone under 18 years operate this tool.
- 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 tool, complete the process and switch off before looking up.
- Periodically check that all nuts, bolts and other fixings are properly tightened.
- When using the impact wrench, use safety equipment including safety glasses or shield, ear protectors, and protective clothing including safety gloves. Wear a dust mask if required.

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 protectors are not worn.

**Wear goggles**

**Wear ear muffs**

**Wear a breathing mask**

## Contents of carton

- 1/2" Impact wrench
- Kitbox
- Instruction manual

## Assembly

The GMC impact wrench is packed, fully assembled except for the impact socket. Please select the required impact socket and insert correctly (refer to the socket change section of this manual).

## Know your product

1. Drive Shank
2. Trigger Switch
3. Replaceable Brushes
4. Handle/Grip
5. Power Cord





## 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

### Installing and Removing Sockets

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

Use only sockets designed for impact wrenches. Always select the correct size impact socket for nuts and bolts. Using the wrong size socket may damage the nut or bolt and cause the fastening torque to be inaccurate or inconsistent.

1. Unplug the wrench.
2. Select the required socket.
3. Firmly push the socket onto the drive shank until the hog ring locks it into place.



4. To remove the socket, pull it away from the drive shank.

## Operation

### Starting & stopping

1. Check the rating label on the impact wrench indicates 230V–240V.
2. Plug the cordset into the mains socket.
3. Squeeze the trigger switch (2) to start the impact wrench.
4. Release the trigger switch to stop the motor.



**CAUTION.** Always maintain a tight control of the tool when switching on and off. Remember the motor will continue to run for a short time after switching off.

### Direction Of Rotation/Forward and Reverse

The impact wrench has a rocker-type trigger switch for operating the wrench in forward or reverse. To operate the wrench in the forward direction, depress the lower half of the switch (2). To operate the wrench in reverse, depress the upper half of the switch. To stop the wrench, release the switch trigger and allow the motor to come to a complete stop.



## Using the impact wrench

The impact wrench can be used for driving nuts and bolts using an impact socket and is suitable for many DIY applications.

### Operating the Impact Wrench

Correct fastening torque may be determined by the kind of bolt, the size of the bolt or the material of the workpiece.

It is recommended that a test is performed prior to the final operation, in order to determine the fastening time for the nut or bolt you are using.

When using the impact wrench follow the below procedure:

1. Hold the tool pointed straight at the nut or bolt.



2. Depress the switch and fasten for the fastening time.
3. After fastening, always check the torque with a torque wrench.

### Impact Time

Many variables exist that will cause the available torque of the fastener to vary considerably. The optimum impact time is approximately 6 seconds.

**Note.** Using an universal joint or extension bar may reduce the fastening force of the impact wrench and thus the application may require longer fastening time.

**WARNING.** The machine and the tool attachments may become warm when being used for a long time. If this occurs turn the machine off and place it in a safe environment and allow to cool down. Do not attempt to touch the metal blades after prolonged application as they will be hot and may burn. Do not overload the machine and always allow it to cool between the individual work steps.

**WARNING.** Wear safety goggles, a dust mask and ear defenders.

**WARNING.** Do not use the impact wrench in wet or damp conditions.

## Trouble shooting

Trouble	Problem	Suggested remedy
Tool 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 authorised service centre to repair or replace
	Faulty switch	Use authorised service centre to repair or replace
	Faulty motor	Use authorised service centre to repair or replace
	Carbon brush worn off	Replace the carbon brush
Poor performance	Extension cord too long or undersized	Use extension cord heavy enough to carry the current
	Visible spark	Use authorised service centre to repair or replace
Tool is overheating	Short of lubricant	Use authorised service centre to add lubricant
	Overtime running	Turn off the tool and let it cool down to room temperature

## 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 agents.
4. Never use caustic agents to clean plastic parts.
5. Lubricate all moving parts at regular intervals.

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

**Note.** Do not at any time let brake fluid, petrol or petroleum-based products, penetrating oils, etc., come in contact with plastic parts. They can damage, weaken or destroy plastic which may result in serious personal injury.

Electric tools used on fibreglass material, wallboard, spackling compounds, or plaster are subject to accelerated wear and possible premature failure because the fibreglass chips and grindings are highly abrasive to bearings, brushes, commutators, etc. Consequently, we do not recommend using this tool for extended work on these types of materials. However, if you do work with any of these materials, it is extremely important to clean the tool using compressed air.

## Brush replacement

The impact wrench has externally accessible brush assemblies that should be periodically checked for wear. To check and replace the brushes follow the below instructions.

1. Unplug the impact wrench.
2. With a flathead screwdriver, remove the bush caps. The brush assembly is spring loaded and will pop out when you remove the brush cap.
3. Remove the brush assembly (brush and spring). Check for wear. If worn, replace.



**Note:** always replace in pairs. Do not replace one side without replacing the other.

4. Replace the brush assembly.
5. Replace the brush cover and tighten with a screwdriver.



**Note:** be careful not to overtighten.

## 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.

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# GMC customer assist

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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](http://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).

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

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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](http://www.gmcompany.com) for full GMC warranty Terms and Conditions.

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