



18V

**CORDLESS
DRYWALL/DECKING
SCREWGUN**

SG18V

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



For safe operation read instruction manual.

Specifications

Battery charger:	230 – 240V ~ 50 Hz 62W
Charger output:	18Vdc 2.2A
Battery pack:	18V
Battery pack capacity:	1500mAh
Charge time:	1 hour (approx)
Gearbox:	2-speed
No load speed:	0 – 900 / 0 – 2800min ⁻¹
Maximum torque:	approx. 20Nm
Bit holder:	6.35mm (1/4") hex
Weight (with 1 battery):	2.25kg
Sound pressure:	67dB(A)
Sound power:	78dB(A)
Level of vibration:	0.42m/s ²

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. Battery tool use and care

a. Ensure the switch is in the off position before inserting battery pack. Inserting the battery pack into power tools that have the switch on invites accidents.

b. Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

c. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.

d. When battery pack is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

e. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

6. 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 impact drills.** Exposure to noise can cause hearing loss.
- **Use auxiliary handles supplied with the tool.** Loss of control can cause personal injury.
- 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 workpiece.
- Do not touch the bit after operation. It will be very hot.
- Keep your hands away from under the workpiece.
- 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.

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.

Additional safety rules for the charging system

- Before using the charging system, read all the instructions and cautionary markings on the adaptor charger, charging stand and battery pack as well as the instructions on using the battery pack.
- Only charge your batteries indoors as the charging system is designed for indoor use only.
- **DANGER.** If the battery pack is cracked or damaged in any other way, do not insert it in the charging slide. There is a danger of electric shock or electrocution.
- **WARNING.** Do not allow any liquid to come into contact with the charging system. There is a danger of electric shock.
- Allow the battery pack to cool down after charging. Do not place it in a hot environment such as a metal shed or open trailer left in the sun.
- The charging system is not intended for any use other than charging the exact type of rechargeable battery pack as supplied with the charging system. Any other use may result in the risk of fire, electric shock or electrocution.
- The charging system and battery packs supplied with it are specifically designed to work together. Do not attempt to charge the battery pack with any other charging system than the one supplied.
- Do not place any object on top of the charging slide as it could cause overheating. Do not place the charging system near any heat source.
- Pull on the plug to disconnect it from the power source.
- Make sure that the charging system cable is positioned where it will not be stepped on, tripped over or otherwise subjected to damage or stress.
- Do not use an extension cord unless it is absolutely necessary. The use of an improper extension cord could cause the risk of fire, electric shock or electrocution.

- Do not use the charging system if it has been subjected to a heavy knock, dropped or otherwise damaged in any way. Take the charging system to an authorised service centre for a check or repair.
- Do not disassemble the charging system. Take it to an authorised service centre when service or repair is required. Incorrect re-assembly may result in the risk of fire, electric shock or electrocution.
- To reduce the risk of an electric shock, unplug the adaptor charger from the power supply before attempting to clean it. Removing the battery alone does not reduce the risk.
- Never attempt to connect two charging systems together.
- Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 40°C such as alongside sheds or metal structures in the summer.
- The charger is designed for use from a standard household electrical supply (230 volts). Do not attempt to connect the adaptor charger to a supply with a different voltage.

Additional safety rules for the battery pack

- The battery pack for this tool has been shipped in a low charge condition. You should charge the battery pack fully before use.
- To ensure the longest battery life and best battery performance, always charge the battery when the air temperature is between 18–24°C. Do not charge the battery pack when the temperature is below 4°C, or above 40°C. This is important. Failure to observe this safety rule could cause serious damage to the battery pack.
- Do not incinerate the battery pack even if it is seriously damaged or can no longer hold a charge. The battery pack can explode in a fire.
- A small leakage of liquid from the battery pack may occur under extreme usage or temperature conditions. This does not necessarily indicate a failure of the battery pack. However, if the outer seal is broken and this leakage comes into contact with your skin:

- Wash the affected area quickly with soap and water.
- Neutralise the liquid with a mild acid such as lemon juice or vinegar

If the leakage gets in your eyes:

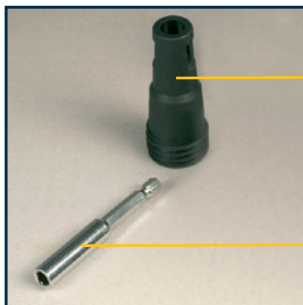
- Flush your eyes with clean water for a minimum of 10 minutes and seek immediate medical attention. Inform the medical staff that the liquid is a 25% solution of potassium hydroxide.
- Never attempt to open the battery pack for any reason. If the plastic housing of the battery pack breaks open or cracks, immediately discontinue its use and do not recharge it.
- Do not store or carry a spare battery pack in a pocket or toolbox or any other place where it may come into contact with metal objects. The battery pack may be short circuited causing damage to the battery pack, burns or a fire. If storing the battery pack, cover the terminals with a heavy insulation tape to ensure short circuit cannot occur. Batteries, when stored for a long period of time, will discharge.
- Only charge the battery with the charger system supplied.
- This battery pack contains nickel-cadmium batteries. Consult your local waste authority for information regarding available recycling and/or disposal options of a damaged or worn-out battery pack.
- Do not leave a battery pack on charge for more than 8 hours. It will damage the battery cells.

Discharging your battery

Discharge your battery pack by operating your screwgun, then remove the battery pack and cover the battery pack terminals with heavy duty adhesive tape to prevent a short circuit and energy discharge. Do not attempt to open or remove any of the components of the battery pack.

Know your product

1. Bit holder nose cone
2. Rubber coated handle
3. Depth adjustment collar
4. Locking collar
5. Gear selector
6. Forward/reverse switch
7. Variable speed trigger switch
8. Battery pack
9. Battery pack release button
10. Charger
11. Bit holder



Accessories

The SG18V is supplied with:

- 2 x 18V Battery packs
- Bit holder (with nose cone)

We recommend that you purchase your accessories in the store from where you obtained the tool. Use good quality accessories and the brand recommended by the vendor. Sales staff will help and offer advice.



Installing and removing the battery pack

Always switch off the tool before inserting or removing a battery pack.

To remove the battery pack (8), press the release buttons (9) on each side of the battery pack and withdraw the pack from the tool.



To insert the pack, align the tongue on the pack with the groove in the housing and push it into the tool. Make sure that it "clicks" into its final position so that it is safely locked in place.

Battery charging

The battery pack for this tool has been shipped in a low charge condition. You should charge the battery pack fully before use.

WARNING. Do not use an extension cord.

WARNING. Do not throw used batteries into a fire or water: it could cause an explosion!

Please hand in non-working or used batteries, or tools with built-in batteries, to the environmentally safe disposal unit at a municipal waste-disposal centre.

Before inserting into or removing the battery pack (8) from the charger (10) always ensure that the plug is not in the mains socket.

Slide the battery on to the charger with the rails of the battery pack (e) aligned with the rails of the charger (d). Slide the battery down until it "clicks" into position.



The red light on the charger should begin to glow continuously, indicating that the battery pack is receiving a "Fast Charge".

After approximately one hour, the "Fast Charge" indicator light (red) should go out and the green light should be lit, indicating that the battery pack is fully charged.

Note. It is necessary to depress both battery pack release buttons (9) in order to remove the battery pack from the charger.

Depending on room temperature, line voltage, and existing charge level, the initial battery charging may take longer than one hour.

Disconnect the charger from the power source when it is not in use.



To obtain the best life for the battery

Never allow the drill to come to a complete standstill before recharging. The battery should be placed on charge whenever the battery is noticeably running down or the drill no longer performs a task it previously performed.



Avoid conducting short charges. Make sure that the battery is fully charged every time by allowing the charger to complete its full charging cycle.

Avoid allowing loose items like screws or nails etc to be stored with battery packs as these or similar items can short battery packs and cause a fire or explosion.

Always unplug the charger when not in use and store in a dry secure place.

Avoid charging or storing your battery in temperatures below 0°C and above 40°C.

WARNING. Never leave a battery on charge once it starts to warm up. Never leave the battery pack on charge for more than 3 hours after the green LED lights.

If you wish to charge a second battery pack, pull out the plug from the mains supply and keep it disconnected for at least 15 minutes before attempting to charge the second battery.

WARNING. Never store the battery out of the tool as the contacts are exposed and could be shorted by a metal object and cause a fire or explosion!

CAUTION. Never use the tool while charging is in progress.

To obtain the best life for the battery, do not let the tool come to a complete standstill before recharging. Do not conduct short charges.

Make sure that the battery is fully charged each time.

Switching on and off

Attach the battery pack (8).

To switch on, squeeze the trigger switch (7). This trigger switch is an electronic variable speed control which enables the user to vary the speed continuously. The speed varies according to how far the trigger switch is depressed, the further it is depressed the faster the motor will rotate and the lighter it is depressed, the slower it will rotate. The switch also acts as a brake as the motor will stop as soon as the trigger switch is fully released.



CAUTION. Always maintain tight control of the tool when switching on and off and remember that the motor will continue to turn for a short while after switching off.

Forward/reverse control

The forward/reverse control (6) allows you to change the direction of the tool. It must not be used while the variable speed trigger is depressed.

To select forward rotation, depress the control (6) toward the left side of the tool. To select reverse depress the control (6) toward the right side of the tool.

Driving uses the forward mode.

The reverse mode is intended for the removal of screws and other fasteners.

The centre position of the control (6) locks the tool in the off position.



2 Speed gearbox

The 2 speed gearbox allows you to select a gear with the optimum speed and torque to suit the application.

To select the first gear (low speed, high torque setting), turn the tool off and wait until it stops.

Push the gear selector (5) back, towards the chuck, so that “LOW” is displayed.

Note. Use the first gear for high torque applications such as driving screws into decking.

To select the second gear (high speed, low torque setting), turn the tool off and wait until it stops. Slide the gear selector (5) away from the chuck so that “HIGH” is displayed.

Note. Use the second gear for high speed applications such as driving screws into drywalls

CAUTION. Do not change gears when the tool is running.

Variable speed

The variable speed feature enables you to select the best speed for a particular application.

The farther you squeeze the trigger, the faster the tool will operate.

Use lower speeds when starting the driving process or when removing screws or other fasteners as it delivers higher torque and helps overcome initial resistance.

Note. Do not continuously operate the drill at different speeds. It may damage the switch.

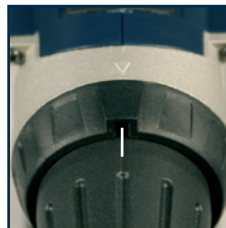


Removing the adjustment collar and nose cone assembly

WARNING. Ensure that the tool is switched off and the battery is removed before changing accessories or carrying out other adjustment or maintenance procedures.

Turn the locking collar (4) clockwise (viewed from the front) until it reaches a stop.

Ensure that the marker opening on the locking collar (4) aligns with the marker line on the adjustment collar (3).



Pull out the adjustment collar (3) and nose cone (1).

Fitting the magnetic bit holder

Hex head screws, hex bits and magnetic bit holders such as that supplied as accessories can be fitted into the clutch of the tool.

When fitting a hex head screw, adjust the driving depth so that the distance between the underside of the screw head and the outer rim of the nose piece is 1-1.5mm (to suit the required degree of tightness).

Insert the end of the hex shaft of the bit holder (11) into the hex socket of the clutch housing of the tool.

Note. Other accessories with a 6.35mm hex shaft can be purchased for use with this tool.



Fitting the adjustment collar and nose cone assembly

WARNING. Ensure that the tool is switched off and the battery is removed before changing accessories or carrying out other adjustment or maintenance procedures.

Turn the locking collar (4) clockwise (viewed from the front) until it reaches a stop.

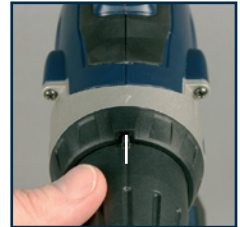
Align the marker opening on the locking collar (4) with the marker line on the adjustment collar (3).

Note. The slots on the clutch must line up with the ribs on the inside of the nose cone (1). The bayonet projections on the outside diameter of the adjustment collar (3) must line up with the slots in the locking collar (4).

Push the adjustment collar and nose cone assembly into the locking collar.

Turn the locking collar (4) anti-clockwise (as viewed from the front) until there is a “click”.

The adjustment collar (3) is then locked in position. To release, turn it clockwise again.



Adjusting the driving depth of screws

The depth to which a screw is driven into the wall or other surface can be accurately set to suit the type of screw and the material being fastened. It's possible to drive screws so that they are raised, flush or countersunk into the material.

The driving depth is adjusted with the adjustment collar (3). Turn the adjustment collar (3) to approximately the correct setting.

(Take care not to over tighten the adjustment collar so that the graduated markings on the nose cone are completely covered).

Drive a test screw into a piece of scrap material. To increase the depth of the head of the screw below the surface of the material, turn the adjustment collar (3) clockwise so that the end of the bit extends further from the end of the nose cone.

To decrease the depth of the screw, turn the adjustment collar (3) anti-clockwise so that the end of the bit is closer to the end of the nose cone.

WARNING. Do not over tighten the adjustment collar (keep within the graduated markings on the nose cone) as it can cause the nose cone to jam.

If the adjustment collar (3) is overtightened and jams, pull on the nose cone (1) and turn the collar (3) to re-engage the thread.



Operation

Install the bit tip in the bit holder.

Adjust the driving depth with the adjustment collar (3).

Check that the tool is set for forward or reverse rotation as desired.

When driving, place the screw on the bit, operate the trigger switch and apply pressure to the tool.

Drive the screw until the nose cone contacts the work surface at which time the clutch will disengage and the driving action will stop.

When removing screws and other fasteners, make sure that the adjustment collar (3) is all the way towards the nose piece and that the forward/reverse switch (6) is positioned on the left-hand side of the tool (as viewed from the rear).



Hints for use

- When driving screws close to the ends of hardwood or treated timber boards it may be necessary to pre-drill pilot holes to prevent spitting.
- Use the proper screws for the task on hand. Drywall screws are not suitable for decking applications.
- Make sure that screws are long enough to ensure a secure fastening.
- Use the low speed gear when driving into decking and the like, and the high speed gear when driving into drywalls.
- Once the screw has started to drive into the material, do not stop until it is fully seated. Keep full pressure of the bit on the screw head to prevent slippage and possible damage to the screw head or bit.
- Before driving deck screws check that there is not gap between the board and the support.
- Do not drive through knots in the wood unless absolutely necessary. If there is no choice, pre-drill a pilot hole to the same diameter as that of the screw shank.

Maintenance

WARNING. Ensure that the tool is switched off and the battery is removed before changing accessories or carrying out other adjustment or maintenance procedures.

Keep the tool's air vents unclogged and clean at all times.

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.

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.

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.



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.

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

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