



18V
MAGNESIUM
ALLNAILER®
 ALN18V
 INSTRUCTION MANUAL

GMC
 GLOBAL MACHINERY COMPANY

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

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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.



For safe operation read instruction manual.



Cadmium contained battery should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

Specifications

Charger input: output:	230–240V ~ 50Hz 62W 18Vdc, 2.2A
Charging time:	1 hour approx.
Battery capacity:	1.5 Ah
Nominal battery voltage:	18V
No load speed:	0–16000 min ⁻¹
Hammer rate:	0–5500 min ⁻¹
Nail length:	40mm (1-5/8") to 150mm (6")
Nail type:	Accepts all commonly available nail types including oval brad nails, round shank nails and serrated nails
Nail head size:	Maximum of 10mm
Depth of nail (The value given is approximate only as the depth will depend on the hardness of the wood into which the nail is driven):	
Position 1:	Nail head underflush by 1mm
Position 2:	Nail head level with surface
Position 3:	Nail head 5mm proud from surface
Position 4:	Nail head 10mm proud from surface
Sound pressure value:	96 dB(A)
Net weight (including 1 battery pack):	2.9kg

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 cordless nailers

1. Use only the nail types indicated in this manual. Use of accessories that are not designed for this tool could result in personal injury and / or damage to the tool.
2. Do not touch metal parts of tool during operation. Hold only the handle or housing of the tool.
3. Do not activate the trigger switch unless the nail is in contact with the workpiece. Serious injury can result from improper operation.
4. The tool should only be used for the purpose it was designed as outlined in this manual. Do not use it on hard surfaces like rock or concrete. Personal injury or damage to the tool could result.
5. Take care when nailing thin material. Special caution must be taken for possible penetration of nails through thin material. This could cause harm to anyone behind the workpiece or in the immediate area.
6. Do not overheat the tool. During operation, the nailer may feel warm to the touch. This is normal. However, if the nailer starts to feel hot, discontinue use until the unit cools down.

7. Remove the battery pack from the nailer when it is not in use, before cleaning and during maintenance operations.

WARNING. Before connecting the charger to a power source (power point receptacle, outlet, etc.) be sure that the voltage supply is the same as that specified on the nameplate. A power source with a voltage greater than that specified for the charger can result in serious injury to the user, as well as damage to the battery pack. If in doubt, do not plug in the charger.

- Your cordless tool is not charged when purchased. Be sure to charge the unit fully, approximately 1 hour, prior to initial use.
- A battery stored, used or charged under high temperature conditions will deteriorate more quickly.

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 infirm 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:

1. Damage to hearing if ear protection is not worn.
2. Injury from nails if the safety instructions are not followed.

WARNING. Always remove the battery from the tool before making any adjustments or performing maintenance.

Wear goggles

Wear earmuffs

Wear a breathing mask

Additional safety rules for the charging system

1. 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.
2. Only charge your batteries indoors as the charging system is designed for indoor use only.
3. **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.
4. **WARNING.** Do not allow any liquid to come into contact with the charging system. There is a danger of electric shock.
5. 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.
6. 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.
7. 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.
8. 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.
9. Pull only on the plug, not the power cord, to disconnect the charger from the power source.
10. 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.

11. 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.
12. 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.
13. 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.
14. 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.
15. Never attempt to connect two charging systems together.
16. Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 40°C (104°F) such as alongside sheds or metal structures in the summer.
17. The charger is designed for use from a standard household electrical supply (230–240 volts). Do not attempt to connect the adaptor charger to a supply with a different voltage.

Additional safety rules for the battery pack

1. The battery pack for this tool has been shipped in a low charge condition. You should charge the battery pack fully, approximately 1 hour, before use.
2. To ensure the longest battery life and best battery performance, always charge the battery when the air temperature is between 18–24°C (65–75°F). Do not charge the battery pack when the temperature is below 4°C (40°F), or above 40°C (104°F). This is important. Failure to observe this safety rule could cause serious damage to the battery pack.

3. 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.
4. 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 - 35% solution of potassium hydroxide.

5. 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.
6. 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.
7. Only charge the battery with the charger system supplied.
8. 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.
9. Do not leave a battery pack on charge for more than 8 hours. It will damage the battery cells.

Know your product

1. On/off trigger switch with variable speed control
2. Battery pack
3. Nail gripping jaws
4. Jaw release button
5. Depth adjustment dial
6. Safety switch
7. LED battery indicator
8. Battery charger
9. Battery indicator button



Accessories

We recommend that you buy all your accessories such as nails from the store where you bought the tool. Use good quality accessories with a well-known brand name. Store personnel can help and advise (Fig. A).



Unpacking

Due to modern mass production techniques, it is unlikely that your 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 ALN18V Allnailer® is packed fully assembled.

Installing and removing the battery pack

Make sure your finger is not on the trigger when removing the battery pack (Fig. B).

To remove the battery pack, press the tabs on each side of the battery pack and slide the battery pack off the tool (Fig. C & D).



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

CAUTION. There is no need to use strong force to insert the battery pack. If it does not slide into place easily, it is not being inserted correctly.

Battery charging

IMPORTANT. Before connecting the battery to the charger (8) always ensure that the plug is switched off at the mains.



Slide the battery on to the charger with the rails of the battery pack aligned with the rails of the charger. Slide the battery down until it “clicks” into position (Fig. E). Switch the plug on at the mains.

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 of the battery pack release buttons 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 nailer battery to discharge completely before recharging. The battery should be placed on charge whenever the battery is noticeably running down or the nailer 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-out 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.

Battery indicator

1. Press the battery indicator button (9) to display the level of charge remaining in the battery (Fig. F).
2. There are 3 levels of charge low, medium and high. When the battery indicator is showing "LOW", the battery should be removed and put on charge.



Adjusting the depth of nail penetration

1. The depth adjustment dial can be set to 4 different positions in order to vary the depth of nail penetration as follows:

Depth setting values (approximate only)	
Position	Depth
1	Nail head underflush by 1mm
2	Nail head level with the surface
3	Nail head 5mm proud from surface and suitable for hanging heavy objects (ensure that the mounting surface is capable of taking the weight loading)
4	Nail head 10mm proud from surface and suitable for hanging lighter objects (ensure that the mounting surface is capable of taking the weight loading)

2. Press in then turn the depth adjustment dial (5) to the appropriate level (Fig. G).



Operation

WARNING. Make sure your finger is not on the trigger switch (1) when connecting the tool to the battery (Fig. H).

1. Slide the battery pack onto the nailer so that it clicks into place (Fig. I).



Safety switch

1. The nailer is protected against accidental operation by the safety switch (6). When this switch is in its mid position the trigger switch (1) is inoperable (Fig. J).



DANGER. Always set the safety switch (6) to the mid position when not actually using the nailer.

Ensure that the safety switch (6) is pressed in. You can press this switch from either side.

Loading a nail

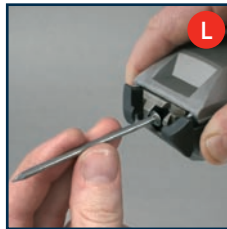
1. Hold the nailer in the operating position and use your thumb to press the jaw release button (4) (Fig. K).
2. Insert the nail, head first, between the jaws (3) as far as it will go and then release the jaws by taking your thumb off the jaw release button (4) (Fig. L).

Note. The nailer accepts nails from 40mm (1 5/8") to 150mm (6") long. The shank can be oval, round or serrated. The head must not be more than 10mm (3/8") in diameter.

You are now ready to use the nailer.

Driving a nail

1. Once the nail is inserted in the jaws and button (4) is released, the nail can be driven into the workpiece.
2. Hold the tool such that the nail is guided into the workpiece by the automatic hammering process (Fig. M).
3. Squeeze the trigger switch (1) (Fig. N).
4. When the nail has been driven to the required depth, release trigger switch (1) and either return the safety switch (6) to its mid position or use the release button (4) to open the jaws and insert another nail.



Note. It is best to trial the depth adjustment setting using the same type of nail on a scrap piece of wood of the same type as the workpiece. It may be necessary to change the depth setting to suit the circumstances.

Note. The nail can be driven between the perpendicular and 45°.

WARNING. To avoid personal injury, keep your fingers away from the trigger switch (1) until you are ready to drive a nail. Do not point the nailer at anyone when a nail is loaded into the nailer.

Variable speed

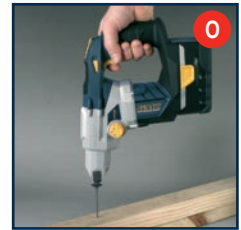
The variable speed feature enables you to select the best speed for a particular application.

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

Use lower speeds for starting and when hammering large nails into hard wood.

Increase the speed to suit the application. (Fig. O)

Note. It is recommended to use the variable speed feature for short periods at a time. Do not continuously operate the tool at different speeds. It may damage the switch.



Maintenance and repair

General Inspection

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



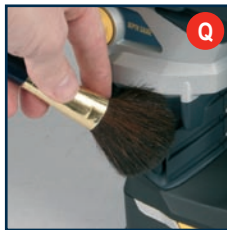
Maintenance

WARNING. Always ensure that the tool is switched off and the battery pack is removed 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 parts ready to hand.

Re-lubricate all moving parts at regular intervals.

Remove dust and dirt regularly. Cleaning is best done with a soft brush or a rag. Wear safety glasses to protect your eyes whilst cleaning (Fig. Q).



CAUTION. Do not use cleaning agents to clean the plastic parts of the nailer. A mild detergent on a damp cloth is recommended. Water must never come into contact with the tool.

Disposing of a battery pack

Discharge your battery pack by operating your nailer, 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.

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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