

GMC[®]

GLOBAL MACHINERY COMPANY

INSTRUCTION MANUAL



Finishing Nail Gun Kit

Fires up to 50mm x 16 Gauge



2 YEAR
REPLACEMENT
WARRANTY

30 DAY
SATISFACTION
GUARANTEE

• Melbourne • Perth • Auckland • Hong Kong • Shanghai
• Taipei • New York • Verona • London • Paris

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Full 2 Years Home Use Warranty

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 replaced free of charge with another of the same item. A small freight charge may apply.

The warranty replacement unit is only made available by returning the tool to the place of purchase with a confirmed register receipt. 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 accessories unless the tool is a GMC Platinum Professional model.

Please ensure that you store your receipt in a safe place. Conditions apply to the above warranty.

If you need direction of what constitutes a free of charge warranty claim, please review the guide given on the rear of the Receipt Holder. An indication is given as to the types of claim that are permissible, and those that are not.



Dear Customer

If you require any help with your product, whether it is a Warranty claim, spare part or user information, please phone our Help Line for an immediate response. Phone 1300 880 001 in Australia or 0800 445 721 in New Zealand.

Introduction

Your new GMC 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 Tool. Take special care to heed the Cautions and Warnings.

Your GMC 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.

Specifications

Operating Pressure:	75 – 120 PSI
Air Consumption:	4 – 8CFM
Magazine Capacity:	100 Nails
Nail size:	16 Gauge C-Brads
Nail lengths:	18, 25, 32, 36, 45 or 50mm
Weight:	1.7kg
Air Inlet:	¼" PT
Tool Dimensions:	304 x 77 x 254mm

General safety instructions for air tools

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.

Warning. When using air tools, basic safety precautions should always be taken to reduce the risk of fire, electric shock and personal injury. Also, please read and heed the advice given in the additional important safety instructions.

1. **Keep the work area clean and tidy.** Cluttered work areas and benches invite accidents and injury.
2. **Consider the environment in which you are working.** Do not use air tools in damp or wet locations. Keep the work area well lit. Do not expose air tools to rain. Do not use air tools in the presence of flammable liquids or gases.
3. **Keep visitors away from the work area.** All visitors and onlookers, especially children and infirm persons, should be kept well away from where you are working. Do not let others in the vicinity make contact with the tool or air hose.
4. **Store tools safely.** When not in use, tools should be locked up out of reach.
5. **Do not force the tool.** The tool will do the job better and safer working at the rate for which it was designed.
6. **Use the correct tool for the job.** Do not force small tools or attachments to do the job best handled by a heavier duty tool. Never use a tool for a purpose for which it was not intended.
7. **Dress correctly.** Do not wear loose clothing or jewellery. They can be caught in moving parts. Rubber gloves and non-slip footwear are recommended when working outdoors. If you have long hair, wear a protective hair covering.
8. **Use safety accessories.** Safety glasses and earmuffs should always be worn. A face or dust mask is also required if the sanding operation creates dust.
9. **Do not abuse the air hose.** Never carry the air tool by the air hose. Keep the air hose away from heat, oil and sharp edges.
10. **Secure the work piece.** Use clamps or a vice to hold the work piece. It is safer than using your hand and frees both hands to operate the tool.
11. **Do not overreach.** Keep your footing secure and balanced at all times.
12. **Look after your tools.** Keep tools sharp and clean for better and safer performance. Follow the instructions regarding lubrication and accessory changes. Inspect air hose periodically and, if damaged, have it replaced. Keep tool handles dry, clean and free from oil and grease.
13. **Disconnect idle tools.** Disconnect air tools from the air hose before servicing, when changing accessories and when the tool is not in use.
14. **Remove adjusting keys and wrenches.** Check to see that keys and adjusting wrenches are removed from the tool before switching on.
15. **Avoid unintentional starting.** Do not carry a connected air tool with your finger on the trigger.
16. **Stay alert. Watch what you are doing.** Use common sense. Do not operate an air tool when you are tired.
17. **Check for damaged parts.** Before using a tool, check that there are no damaged parts. If a part is slightly damaged, carefully determine if it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, proper mounting and any other conditions that may affect the operation of the tool. A part that is damaged should be properly repaired or replaced by an authorised service facility, unless otherwise indicated in this Instruction Manual.
18. **Guard against electric shock.** Prevent body contact with grounded objects such as water pipes, radiators, cookers and refrigerator enclosures.
19. **Use only approved parts.** When servicing, use only identical replacement parts. Use an authorised service facility to fit replacement parts.
20. **Disconnect tool from air supply hose.** Before doing tool maintenance, clearing a jammed fastener, leaving work area, moving tool to another location, or handing the tool to another person.
21. **Never use a tool that is leaking air, has missing or damaged parts, or requires repair.** Make sure all screws and caps are securely tightened.
22. **Operator and others in work area MUST wear safety glasses with side shields.**

Important safety instructions

Risk of eye or head injury	
What could happen	How to prevent it
<ul style="list-style-type: none">• Air powered equipment are capable of propelling materials such as fasteners, metal chips, saw dust, and other debris at high speed, which could result in serious eye injury.	<ul style="list-style-type: none">• Always wear safety glasses with side shields.• Never leave operating tool unattended. Disconnect air hose when tool is not in use.• Wearing hearing protection and helmet during operation is also strongly recommended.
<ul style="list-style-type: none">• Tool attachments can become loose or break and fly apart propelling particles at the operator and others in the work area.	<ul style="list-style-type: none">• For additional protection use an approved face shield in addition to safety glasses.
<ul style="list-style-type: none">• Compressed air can be hazardous. The air stream can cause injury to soft tissue areas such as eyes, ears, etc. Particles or objects propelled by the stream can cause injury.	<ul style="list-style-type: none">• Make sure all connections are secure and check air hoses for weak or worn condition before each use.

Risk of fire or explosion	
What could happen	How to prevent it
<ul style="list-style-type: none">• Air nailers are capable of generating sparks which could result in ignition of flammable materials.	<ul style="list-style-type: none">• Never operate tools near flammable substances as gasoline, cleaning solvents, etc.• Work in a clean, well ventilated area.• Never use oxygen, carbon dioxide or other gases as a power source for air tools.
<ul style="list-style-type: none">• Exceeding the maximum pressure rating of tools or accessories could cause an explosion resulting in serious injury.	<ul style="list-style-type: none">• Use compressed air regulated to a maximum pressure at or below the rated pressure of any attachments.• Connect tool to air supply hose with a coupling that automatically removes all pressure from the tool when the coupling is disconnected.• Do not exceed maximum operating pressure of this tool of 120 PSI.• Only use air hose that is rated for a maximum working pressure of at least 120 PSI or 150% of the maximum system pressure, which ever is greater.• Always verify prior to using the tool that the air source has been adjusted to the rated air pressure range.

Risk of loss of hearing

<i>What could happen</i>	<i>How to prevent it</i>
<ul style="list-style-type: none">• Long term exposure to noise produced from the operation of air tools can lead to permanent hearing loss.	<ul style="list-style-type: none">• Always wear hearing protection.

Risk to injury

<i>What could happen</i>	<i>How to prevent it</i>
<ul style="list-style-type: none">• Tools left unattended with the air hose attached, can be activated by unauthorized persons leading to their injury or injury to others.	<ul style="list-style-type: none">• Remove air hose when tool is not in use and store tool in secure location away from reach of children and/or untrained users.
<ul style="list-style-type: none">• Air tools can propel fasteners or other materials throughout the work area.	<ul style="list-style-type: none">• Always keep hands and body away from the fastener discharge area when air supply is connected to air nailer.• Use only parts, fasteners, and accessories recommended by the manufacturer.• Always assume the finish nailer contains nails. Never use the nailer as a toy.• Keep work area clean and free of clutter.• Keep children and others away from work area during operation of the tool.• Grip tool firmly to maintain control while allowing tool to recoil away from work surface as fastener is driven. If safety element is allowed to recontact work surface before trigger is released an unwanted fastener will be fired.• Keep work area well lit.
<ul style="list-style-type: none">• A wrench or a key that is left attached to a rotating part of the tool increases the risk of personal injury.	<ul style="list-style-type: none">• Remove adjusting keys and wrenches before turning the tool on.

Risk to injury (cont.)

• *Air tools can become activated by accident during maintenance or tool changes.*

- *Disconnect the brad nailer from air compressor before changing tools, loading/unloading fasteners or accessories, clearing jams and during non-operation.*
- *Do not depress trigger when connecting the air hose.*
- *Never carry the tool by the hose.*
- *Avoid unintentional starting. Don't carry an air tool which is connected to an air hose, with your finger on the trigger.*
- *Repair servicing should be done only by an authorized service representative.*

• *Air tools can cause the workpiece to move upon contact leading to injury.*

- *Use clamps or other devices to prevent movement.*

• *Loss of control of the tool can lead to injury to self or others.*

- *Never operate tool while under the influence of drugs or alcohol.*
- *Don't overreach. Keep proper footing and balance at all times.*
- *Always place yourself in a firmly balanced position when using or carrying the brad nailer.*
- *Keep handles dry, clean, and free from oil and grease.*
- *Stay alert. Watch what you are doing. Use common sense. Do not operate tool when you are tired.*

• *Poor quality, improper, or damaged nailers can fly apart during operation, propelling particles throughout the work area causing serious injury.*

- *Always use tool attachments rated for the speed of the air tool.*
- *Never use air tools which have been dropped, impacted or damaged by use.*
- *Never use tool if safety, trigger or springs are inoperable, missing or damaged. Do not alter or remove safety, trigger, or springs. Make daily inspections for free movement of trigger and safety mechanism.*
- *Do not apply excessive force to the tool, let the tool perform the work.*

Risk to injury (cont.)

<ul style="list-style-type: none"> • Fasteners could ricochet or be propelled causing serious injury or property damage. 	<ul style="list-style-type: none"> • Never point discharge of tool at self or others. • Do not pull trigger unless tool contact safety device is against work surface. • Never attempt to drive fasteners into hard surfaces such as steel, concrete, or tile. • Take care to avoid driving a fastener on top of another fastener. • Position tool carefully so that fasteners will be delivered to the proper location. • Do not drive fasteners close to the edge of the workpiece. The workpiece is likely to split allowing the fastener to fly free or ricochet causing personal injury.
<ul style="list-style-type: none"> • Improperly maintained tools and accessories can cause serious injury. 	<ul style="list-style-type: none"> • Maintain the tool with care. • Always check that the striking element is operating properly. Do not modify or disable the strike element, or any tool parts.
<ul style="list-style-type: none"> • There is a risk of bursting if the tool is damaged. 	<ul style="list-style-type: none"> • Check for misalignment or binding of moving parts, breakage of parts, and any other condition that affects the tool's operation. If damaged, have the tool serviced before using.
<ul style="list-style-type: none"> • Use only accessories identified by the manufacturer to be used with specific tools. 	<ul style="list-style-type: none"> • Use of an accessory not intended for use with the specific tools, increases the risk of injury to persons.

Risk of electric shock

What could happen	How to prevent it
<ul style="list-style-type: none"> • Using air tools to attach electrical wiring may result in electrocution or death. 	<ul style="list-style-type: none"> • Never use a nailer to attach electrical wiring while energized.
<ul style="list-style-type: none"> • Contact with a "live" wire will also make exposed metal parts of the tool "live" and may result in electrocution or death. 	<ul style="list-style-type: none"> • 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.
<ul style="list-style-type: none"> • Fasteners coming in contact with hidden electrical wiring may cause electrocution or death. 	<ul style="list-style-type: none"> • Thoroughly investigate the workpiece for possible hidden wiring before performing work.

Risk of entanglement

What could happen	How to prevent it
<ul style="list-style-type: none">• Tools which contain moving elements, or drive other moving tools, can become entangled in hair, clothing, jewellery and other loose objects, resulting in severe injury.	<ul style="list-style-type: none">• Never wear loose fitting clothes, or apparel which contains loose straps or ties, etc. which could become entangled in moving parts of the tool.• Remove any jewellery, watches, identifications, bracelets, necklaces, etc. which might become caught by the tool.• Keep hands away from moving parts. Tie up or cover long hair.• Always wear proper fitting clothing and other safety equipment when using this tool.

Risk of cut or burns

What could happen	How to prevent it
<ul style="list-style-type: none">• Tools which cut, shear, drill, staple, punch, chisel, etc. are capable of causing serious injury	<ul style="list-style-type: none">• Keep the working part of the tool away from hands and body.

Know your product

1. Exhaust deflector
2. Trigger
3. Air inlet
4. Latch
5. Nail magazine
6. Safety strike element
(Non marking tip)
7. Fastener discharge area
8. Drive safety cover
9. Quick release latch
10. Depth adjustment
thumb wheel



Preparing the tool

Tool lubrication

This finish nailer requires lubrication **BEFORE** initial use and **BEFORE** and **AFTER** each additional use throughout its life.

1. Disconnect the air hose, turn the finish nailer so the air inlet (3) is facing up. Place 3-4 drops of non detergent oil into the air inlet. Do not use air tool oil as it contains solvents which will damage the nailer's internal parts.
2. Lubricate the drive safety cover & slide guide (8), trigger (2) and magazine slide mechanism periodically.
3. After lubrication, run brad nailer briefly. Wipe off any excess oil from the adjustable deflector exhaust (1). The work surface can become damaged by excessive lubrication.
4. Finish nailer repairs must be done by a qualified and experienced service dealer.

Apply a few drops of oil to the trigger mechanism.

Apply a thin coat of lightweight grease to safety slide guides.

Place a few drops of non-detergent oil into air inlet before each use.

Apply a few drops of oil to sliding mechanism of the magazine.



Operation

Operating the tool:

Firing mechanism:

This tool operates on a single (full sequential actuation) firing system.

Single (full sequential actuation) firing.

To fire, grip tool firmly to maintain control, position nose of tool onto work surface, depress safety, and squeeze trigger to fire a fastener. Allow tool to recoil away from work surface as fastener is driven. This “full sequential actuation” method provides the most accurate fastener placement.

Where to use finishing nailer.

Finishing nailers are used mainly in medium to light duty applications. The use of C Brad nails enables the nail heads to be countersunk under the surface of your work surface. This is important where the ‘finish’ or appearance of the workpiece is a priority.

Some additional important safety applications are as follows:

1. Fire fasteners into work surface only, never into materials too hard to penetrate such as concrete and steel.
2. Do not drive fasteners on top of other fasteners, or with the tool at too steep an angle as the fasteners may ricochet causing personal injury.
3. Do not drive fasteners close to the edge of the workpiece. The workpiece is likely to split allowing the fastener to fly free or ricochet causing personal injury.

Checking the safety strike element:

1. Disconnect the air hose from the brad nailer and remove all fasteners from the magazine.
2. Make sure the trigger and the strike nose move freely up and down.

3. Reconnect air hose to the finish nailer.
4. Push the strike element against the work surface without depressing the trigger. The finish nailer **MUST NOT** cycle.
5. Remove the finish nailer from the work surface, the strike element should return to its original position. Pull the trigger, the brad nailer **MUST NOT** cycle. If it cycles **DO NOT** use it.

Loading & unloading the fasteners:

1. Always disconnect the finish nailer to the air hose before loading fasteners.



2. Press and pull the latch (4) back until it catches onto the back of the nail magazine cover (5).
3. Insert a row of quality C - brad fasteners into the magazine. Make sure the pointed ends of the fasteners are resting on the bottom of the magazine.



IMPORTANT: Make sure the fasteners are not rusted, damaged or dirty.

5. Push the nail magazine cover (5) forward until the latch meets with the nails.
6. Always disconnect the air hose before unloading fasteners.

Adjusting the exhaust direction:

1. The finish nailer is equipped with an adjustable direction exhaust deflector (1). Simply adjust the directional exhaust deflector so that the exhaust air blast will be directed away from the operator. Grasp the deflector and rotate it to the desired position for the current application.



Adjusting the fastening depth:

1. Regulate the air pressure to 120 PSI at the compressor.
2. Connect the air hose to the nailer and test for penetration by driving fasteners into a sample piece of wood. If the fasteners do not achieve the desired depth, rotate the depth adjustment thumb wheel (10) until the desired depth is achieved.

Clearing a jam:

1. Disconnect the air supply from the nailer and remove all fasteners from the magazine.
2. Press the quick release latch (9) which will disengage the driver safety cover (8). Remove the driver safety cover (8) so the jammed fastener is exposed.
3. Remove the jammed fastener, using screwdriver or long nose pliers if required.
4. Close back the driver safety cover tightly.
5. Test the finish nailer.



Power source

This tool is designed to operate on clean, dry, compressed air at regulated pressures between 75 and 120 PSI.

The preferred system would include a filter, a pressure regulator, and an automatic oiler located as close to the tool as possible.

All compressed air contains moisture and other contaminants that are detrimental to internal components of the tool. An air line filter will remove most of these contaminants and significantly prolong the life of the tool. If an in-line oiler is not available, place 3 - 4 drops of non detergent oil into the tool's air inlet at the beginning of each workday.

DANGER: All air line components (hoses, connectors, filters, regulators, etc.) must have a minimum working pressure rating of at least 120 PSI or 150% of maximum system potential, whichever is greater.

Troubleshooting		
Trouble	Possible cause	Suggested remedy
Nailer skips when driving brad nails.	<i>Dirt in the nose piece.</i>	<i>Drive channel needs to be cleaned.</i>
	<i>Dirt or damage prevent nails or pusher from moving freely in magazine.</i>	<i>Magazine needs to be cleaned.</i>
	<i>Inadequate air flow to nailer.</i>	<i>The fittings, hose or air compressors needs to be checked.</i>
Air leaking near the top of the tool or in trigger area.	<i>Loose screws.</i>	<i>Tighten screws.</i>
Nailer runs slow or has loss of power.	<i>Nailer not lubricated sufficiently.</i>	<i>Nailer needs to be lubricated.</i>
	<i>Exhaust port in the cap has been blocked.</i>	<i>Damaged internal parts needs to be replaced by an authorized service centre.</i>
Air leaking near the bottom of the tool.	<i>Loose screws.</i>	<i>Tighten screws.</i>
Tool jams frequently.	<i>Incorrect fasteners.</i>	<i>Verify approved fasteners of correct size.</i>
	<i>Damaged fasteners.</i>	<i>Replace with undamaged fasteners.</i>
	<i>Magazine is dirty.</i>	<i>Clean magazine.</i>

WARNING: Disconnect tool from air supply before performing any cleaning and maintenance procedures.

Carefully read the entire *Instruction Manual* before using this product.

Before returning this product for a Warranty Claim or any other reason
Please Call 1300 880 001 (Australia)
or 0800 445 721 (New Zealand)

When you make your call, please have the following information at hand:

- **GMC Product Type**
- **GMC Product Code**

A GMC Service Engineer will take your call and, in most cases, will be able to solve your problem over the phone.

You are welcome to use this phone-in service to make suggestions or give comments about any GMC product.

With continuing product development changes may have occurred which render the product received slightly different to that shown in this instruction manual. The manufacturer reserves the right to change specifications without notice. Note: Specifications may differ from country to country.



The GMC 777 Helpline operates from 7am to 7pm, 7 days a week (EST). This allows you to contact GMC directly with any queries and technical questions you have regarding our products.



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Save this Manual for future reference.