

GMC
GLOBAL MACHINERY COMPANY

100W SOLDERING GUN DECO06PSI



1. Soldering tip
2. Tip release screw
3. Light
4. Trigger
5. Rubber handle
6. Shaft
7. Cord protector

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 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.

- Read instruction manual.
- Wear hearing protection.
 Wear eye protection.
 Wear breathing protection.
- Double insulated for additional protection.
- Conforms to relevant standards for electromagnetic compatibility.

Specifications

Input power:	100W
Power supply:	230-240Vac ~ 50 Hz
Heat up time:	6 - 8 seconds (approximately)
Cord length:	1.4m
Tool weight:	0.7kg

Safety instructions

WARNING. Read and understand 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 below refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Save these instructions

Work area

- **Keep work area clean and well lit.** Cluttered and dark areas invite accidents.
- **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.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

- **If cordset is damaged have it replaced by an authorised service centre.**
- **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.
- **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.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **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.
- **When operating a power tool outdoors, use an outdoor extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

Personal safety

- **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.
- **Use safety equipment. Always wear eye protection.** Safety equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection use.
- **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.
- **Remove any adjusting key or wrench before turning the tool on.** A wrench or a key that is left attached to a rotating part of the power tool may result in personal injury.
- **Do not overreach.** Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- **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.
- **If devices are provided for the connection of dust extraction and collection facilities ensure that these are connected and properly used.** Use of these devices can reduce dust-related hazards.

Power tool use and care

- **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.
- **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.
- **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.
- **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.
- **Maintain power tools.** Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **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 intended could result in a hazardous situation.

Service

- **Have your power tool serviced by a qualified repair personnel using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
- **When operating a power tool outdoors, use an outdoor extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

Black

Code: DECO06PSI

Date: 060223

Edition: 4

Op: DCR

Additional Safety Instructions for Soldering Guns

WARNING. Never leave the soldering gun plugged in and unattended.

- Ensure this product is always used on a mains circuit protected by an earth
- Always wear safety glasses when operating the soldering iron as solder may spit
- Always ensure the work area is both well lit and well-ventilated
- Be sure to always solder on a fire resistant surface
- Never touch the soldering tip while the soldering iron is plugged in
- Solder contains lead which is a poisonous metal, so always ensure your hands are washed after using solder

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 infirmed 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 earmuffs are not worn
- Damage to eyes if effective goggles are not worn
- Risk of injury unless hands are kept well clear of cutting devices

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.

Accessories

The GMC DEC006PSI comprises the following components:

- 1 x Instruction manual
- 1 x Replacement Solder Tip
- 1 x Resin Flux
- 1 x Soldering Wire

Operation

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

Switch on

WARNING. The gun will continue to heat up when the trigger (4) is pressed in. To extend the life of the gun, do not press the switch for long time.

1. Ensure that both tip release screws (2) are tight and the soldering tip (1) is fixed in and unable to fall out.
2. Insert the plug into an appropriate power socket. Ensure it uses the correct voltage (as stated on the rating plate of this tool).
3. Press the trigger (4) in until it clicks into place and wait approximately 6 - 8 seconds for the tool to reach operating temperature (230° C). The work light (3) will illuminate when the trigger (4) is pressed.

Switch off

WARNING. After releasing the trigger the tool may take some minutes to cool down to room temperature. During this time do not attempt to touch the tip (1), tip release screws (2) or shaft (6) as a serious burn may result.

NOTE. It is highly recommended that the soldering tip is wiped clean on a damp sponge (not included) after use to prolong service life and performance.

1. Release the trigger (4). The work light (3) will turn off.
2. Gently rest the tool on a heat resistant mat and unplug the tool from the socket.
3. Allow the tip (1), tip release screws (2) and shaft (6) time to cool down before making contact.
4. The soldering gun may take several minutes to cool down. Ensure the tool is well minded until it has completely cooled down.

Preparing to solder

WARNING. Always use safety glasses and ensure the work area is well ventilated to help avoid breathing in dangerous fumes.

The GMC Soldering gun is typically used to melt and apply solder on various surfaces including circuit boards.

1. Before beginning to solder, secure the work piece so that it does not move and affect your accuracy.
2. Prepare a damp sponge (not included) nearby to clean the tip when required.
3. Melt a small amount of solder onto the tip of the iron (1). This process is known as 'tinning' and will assist the heat in following from the soldering iron's tip, to the solder joint. It is important to do this immediately with new soldering tips.
4. Ensure that the workpiece and soldering tip are clean. The workpiece can be cleaned with the use of a small file or knife blade. It is recommended that the user wipe clean the soldering tip with a damp sponge before, during and after soldering. This will help promote a cleaner and stronger solder joint.

Soldering

WARNING. Never touch the metal components of the tool during or straight after use as temperatures are very high.

WARNING. The gun will continue to heat up when the trigger (4) is pressed in. To extend the life of the gun, do not press the switch for long time.

1. Hold the soldering gun tight by the rubber handle (5) and place the solder tip (1) on the work piece you intend to solder.
2. Pull the trigger (4) to heat up. The work light (3) will illuminate for your convenience. Allow the tool approximately 6-8 seconds to heat up to operating temperature.
3. With a cloth or the tip of the solder wire, wipe a very small amount of flux (provided) onto the workpiece. Only a very small amount is required as it will melt. Flux is primarily used to clean the workpiece and promote a stronger, cleaner and more durable solder joint.
4. Once the solder tip has heated up to the operating temperature (approximately 6 - 8 seconds), hold the soldering gun with the tip (1) pressed onto the workpiece for a few second to allow it to heat up.
5. Slowly feed the solder onto the workpiece, allowing the solder to melt onto the joint.
6. Once the solder has been applied to the joint, hold the workpiece still while removing the solder and soldering gun simultaneously.

NOTE. A good solder joint will appear smooth and shiny. If this is not the case, you will need to reheat the joint and re-apply the solder.

Maintenance

Removing the tip

WARNING. Do not attempt to remove the tip while it is hot.

1. To help prevent the tip from bonding to the shaft, which may cause the heater element to burn out, it is recommended that the tip (1) be removed after each use. Turn both tip release screws (2) anti-clockwise until they are loose enough to remove the tip (1).
2. To remove the tip (1), turn both tip release screws (2) anti-clockwise until they are loose enough to remove the tip (1).

GMC Full 2-Year Warranty

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Consistent with our product development programme, improvements may have been made which render the contents of the tool's packaging or user instructions slightly different to the product received.

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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
1300 880 001 (Australia)
or 0800 445 721 (New Zealand),
for an immediate response.

Product of China manufactured to exacting GMC quality standards.

ABN: 68 093 174 808

777 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.

Save this Manual for future reference.



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