

GMC
GLOBAL MACHINERY COMPANY

30W SOLDERING IRON

DEC001SI



1. Solder tip
2. Solder tip release screw
3. Shaft
4. Flange
5. Rubber grip
6. 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.



Wear hearing protection.
Wear eye protection.

Wear breathing protection.



Conforms to relevant standards for electromagnetic compatibility.

Specifications

Input power:	30W
Power supply:	230-240V ~ 50 Hz
Shaft material:	Stainless steel
Solder tip:	Nickel-coated
Cord length:	1.4 metres
Tool weight:	0.2 kg

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.

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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.

Additional safety instructions for soldering irons

WARNING. This tool must be placed on its stand when not in use.

- 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
- When the soldering iron is not in use, always return it to its stand
- Always ensure the work area is both well lit and well-ventilated
- Never leave the soldering iron plugged in and unattended
- 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.

Operation

WARNING. Before connecting a tool to a power source, 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.

Setting up the iron stand

1. By firmly holding the stand with both hands, press the centre of the stand in so that it separates itself from the rest of the stand and bend to approximately 45° from the base.

Switch on

1. Ensure the soldering iron is resting securely on the iron stand before plugging in to the power.
2. After switching on the power, allow the tool a few minutes to heat up to its operating temperature.

Switch off

1. 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.
2. Place the soldering iron securely on its stand. Switch off the tool at the power switch and unplug the unit. For safety, please ensure the unit is well minded until it has entirely 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 Iron 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 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.
3. 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

1. Hold the soldering iron close to the base of the handle (5), and just above the flange (4) like a pen.

WARNING. Never touch the shaft (3) or tip (1) as temperatures can range up to 400°C.

2. Hold the soldering iron with the tip pressed onto the workpiece for a few second to allow it to heat up.
3. Slowly feed the solder onto the joint, not the soldering iron, allowing the solder to melt onto the joint.
4. Once the solder has been applied to the joint, hold the workpiece still while removing the solder and soldering iron 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.

Removing the tip

WARNING. Do not attempt to remove the tip while the soldering iron is still 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.
2. To remove the tip (1), clamp the soldering iron and apply two phillips head screwdrivers to the screws just above the soldering tip (2) and turn anti-clockwise until the screws are loose and remove the tip.

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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.

Phone (03) 8346 1100 Facsimile (03) 8346 1200
Email info@gmca.com.au
Website www.gmcompany.com
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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



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.



GMC
GLOBAL MACHINERY COMPANY

45-55 South Centre Road Melbourne Airport
Victoria, Australia 3045

Tel: (03) 8346 1100 Fax: (03) 8346 1200



3.6V CORDLESS SCREWDRIVER

DEC002SD



1. Chuck
2. Forward/Reverse switch
3. Handle adjusting switch
4. Charging socket
5. Charging indicator

Full 2 years home use warranty

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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.

Specifications

Screwdriver

Battery voltage:	3.6V DC
Battery rating:	600mAh, Ni-Cd
No load speed:	200min ⁻¹
Tool weight:	0.4 kg

Battery Charger

Input voltage:	230-240V~50 Hz
Output voltage:	5V DC 300mA
Charging time:	5-7 Hours

Safety instructions

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Work area

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

Electrical safety

- **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 used for appropriate conditions will reduce personal injuries.
- **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.

Additional safety instructions for drills

- 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.

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- 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.

If in doubt, do not plug in the tool. Using a power source with a voltage less than the nameplate rating is harmful to the motor.

The tool must be used only for its prescribed purpose. Any use other than those mentioned in this Manual will be considered a case of misuse. The user and not the manufacturer shall be liable for any damage or injury resulting from such cases of misuse.

To use this tool properly, you must observe the safety regulations, the assembly instructions and the operating instructions to be found in this Manual. All persons who use and service the machine have to be acquainted with this Manual and must be informed about its potential hazards.

Children and 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 ear defenders are not worn

Additional safety instructions for the charger

- Before using the charger, read all the instructions and cautionary markings on the charger and battery pack as well as the instructions on using the battery pack.
- Only charge your batteries indoors as the charger 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 charger. There is a danger of electric shock or electrocution.
- **WARNING.** Do not allow any liquid to come into contact with the charger. There is a danger of electric shock.
- To 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 charger is not intended for any use other than charging the exact type of rechargeable battery pack as supplied with the charger. Any other use may result in the risk of fire, electric shock or electrocution.
- The charger and battery packs supplied with it are specifically designed to work together. Do not attempt to charge the battery pack with any other charger than the one supplied.
- Do not place any object on top of the charger as it could cause overheating. Do not place the charger near any heat source.
- Do not pull on the lead of the charger to disconnect it from the power source.
- Make sure that the charger 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 charger if it has been subjected to a heavy knock, dropped or otherwise damaged in any way. Take the charger to an authorised service centre for a check or repair.
- Do not disassemble the charger. 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 charger from the power supply before attempting to clean it. Removing the battery alone does not reduce the risk.
- Never attempt to connect two chargers together.

- Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 104°F (40°C) such as alongside sheds or metal structures in the summer.
- The charger is designed for use from a standard household electrical supply (230–240 volts). Do not attempt to connect the charger to a supply with a different supply.
- If you wish to charge a second battery pack, unplug the charger from the mains supply and leave it for at least 15 minutes. After this time you can charge a second battery pack.

Additional safety instructions 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.
- 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.
- The battery pack utilizes nickel-cadmium cells. Cadmium is considered to be a toxic material. Use an environmentally safe disposal unit at a municipal waste disposal centre to dispose of a damaged or worn out battery.

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 DEC002SD comprises the following components:

- 1 Instruction manual
- 1 Battery charger
- 1 Magnetic bit holder
- 2 Interchangeable screwdriver bits

Fitting and removing bits

NOTE. The drill bit supplied with the DEC002SD is not designed for use with the magnetic bit holder.

1. To use the short drill bit supplied, insert the bit directly into the chuck (1) as far as possible. The drill is now ready to be used.
2. To use the magnetic bit holder, push the bit into the chuck (1) as far as possible. The magnetic bit holder is compatible for use with most standard sized drill bits.

Forward/Reverse switch

NOTE. This switch allows the direction of rotation of the chuck to be changed: forward for driving, and reverse for removing screws and nuts.

1. Press the top of the forward/reverse switch (2) for driving and press the bottom of the forward/reverse switch to engage the reverse direction.

Adjusting the handle

The handle can be turned to one of two positions to suit the task at hand. The tool can be used as a straight handled screwdriver or as a pistol grip screwdriver.

1. To change the position of the handle, push the handle adjusting switch (3) forward and twist the handle to the desired position.
2. Release the switch (3) to lock the handle in the new position.

Recharging the screwdriver

Your screwdriver is supplied to you partially charged and must be fully charged before use.

For the first charge, we recommend charging for 10 to 12 hours.

1. Connect the charger plug to the charging socket (4).
2. Connect the mains plug of the charger to a suitable power point.
3. The indicator light (5) illuminates to show that charging is taking place.

NOTE. Whilst charging, the charger and the screwdriver may become warm to touch. This is normal and does not indicate a problem.

NOTE. The charger will not automatically switch off when the battery is fully charged and the indicator will remain on.

WARNING. It is important to unplug the charger from the screwdriver when the charging time has been completed. **DO NOT EXCEED 12 HOURS CHARGING TIME.** It will damage the battery.

3. After the initial charge, recharge the battery for 5 to 7 hours when the battery is completely discharged. Do not "top up" the battery when it is partially discharged.
4. Charging for 7 hours increases the length of time the tool can be used.

WARNING. Do not leave your screwdriver on charge continuously. This will damage the battery.

NOTE. Avoid charging your screwdriver in temperatures below 4°C and over 40°C. The ideal temperature at which to charge the tool is 20°C. The battery charger should only be used indoors.

Maintenance

Cleaning

1. Remove dust and dirt regularly. Cleaning is best done with a rag.
2. Never use caustic agents to clean plastic parts. A mild detergent on a damp cloth is recommended.

Water must never come into contact with the tool.

CAUTION. Disconnect the charger from the mains supply before cleaning.

Repairs

1. There are no user serviceable parts in this tool. Only an authorised service centre should carry out repairs.

GMC Full 2-Year Warranty

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Tel: (03) 8346 1100 Fax: (03) 8346 1200

GMC
GLOBAL MACHINERY COMPANY

135W AC ROTARY TOOL DEC003AC

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.

M8 Spindle thread for Collet nut



Read instruction manual



Wear hearing protection.



Wear eye protection.



Wear breathing protection.



Double insulated for additional protection.



Conforms to relevant standards for electromagnetic compatibility.

N380

1. Cord protector
2. Wire loop
3. On/off switch
4. Variable speed dial
5. Spindle lock button
6. Collet nut
7. Collet
8. Brush caps
9. Collet cover



Specifications

Input power:	135W
Power supply:	230-240V ~ 50 Hz
No load speed:	15000-35000min ⁻¹
Collet size:	Ø 2.4mm and Ø 3.2mm
M8 spindle	
Max. Drill	Ø 3.2mm
Max. Grinding disc	Ø 25 x Ø 2mm
Cord length:	1.8 metres
Tool weight:	0.7 kg
Flexible shaft length:	1.0 m
Sound pressure level:	83 dB(A)
Sound power level:	96 dB(A)
Vibration:	0.482 m/s ²

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.

Additional safety instructions for rotary tools

- **Do not use a disc marked with a lower RPM than that of the maximum no load speed shown on the rating label**
- **Always wear eye, ear and breathing protection**
- Do not apply too much pressure when grinding, cutting, etc
- Keep your hands well clear of the cutting devices

WARNING. The use of an accessory or attachment, other than those recommended in this Instruction Manual, may present a risk of personal injury.

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.

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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.

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

1. Set the variable speed dial (4) to 1 and push the on/off switch (3) to "I", the machine is in continuous operation, and will start at minimum speed.

Switch off

1. Reset the variable speed dial (4) to 1 and push the on/off switch (3) to position "0".

Varying the speed

1. You can use the variable speed dial (4) to alter the speed of the collet, as follows:
 - Position 1 - Slow
 - Position 3 - Medium
 - Position 6 - Fast
2. Select the correct speed for the work and type of bit you are using. In general, lower speeds are best suited for large accessories and higher speed for smaller accessories.

Quick reference guide

Operation	Speed
• Cutting metal	5 - 6
• Sanding wood	5 - 6
• Cutting hard metal	5 - 6
• Engraving metal	4 - 5
• De-burring	4 - 5
• Drilling holes	4 - 5
• Removing rust	3 - 4
• Sharpening	3 - 4
• Polishing	1 - 2

Holding the tool

1. For jobs such as milling or engraving where precision is required, hold the tool like a pen.
2. For heavier work like cutting or grinding hold the machine in the palm of your hand.

Changing accessories

1. Make sure that the machine is switched off and the plug removed from the power before you commence changeover.
2. Loosen and tighten collet fully using the 2 in 1 wrench provided. (always ensure bits are tight before commencing any work with your tool).
3. Press and hold down the spindle lock button (5) and unscrew the Collet nut (6).
4. Select a suitable Collet for the accessory to be used and insert it in the collet nut shaft.
5. Turn the Collet nut in an anti-clockwise direction to loosen and, when the bit is in place, turn the Collet nut in clockwise direction to lock it in place, whilst depressing the spindle lock.

6. Make sure that the bit is inserted as far as possible. Having too much shaft exposed could cause it to damage or bend.

Locating a cutting/sanding disc

1. Insert the disc holder into the Collet (7) whilst the Collet nut (6) is loosened.
2. Remove the screw from the end of the disk holder with the 2 in 1 wrench provided, and insert the screw through the cutting/sanding disc.
3. Replace the screw and tighten, attaching the cutting or sanding disc onto the holder. (Do not over-tighten)

Locating a sanding drum

1. Loosen the small screw in the top of the holder (This allows the rubber to slacken).
2. Slide the sanding drum onto the holder.
3. Secure the sanding drum in place by tightening the screw causing the rubber drum to bulge and grip the drum. (Do not over-tighten)

Attaching the flexible shaft

WARNING. Never bend the flexible shaft with a radius of less than 150 mm (6") when operating. Please store the flexible shaft in the designated compartment of the carry case when not in use.

1. Remove the collet cover (9), and loosen the collet nut (6) by turning them anti-clockwise.
2. Insert the inner cable of the flexible shaft into the collet (7) until the cable cannot go any further.
3. Tighten the collet nut (6) with the wrench by turning the nut clockwise.
4. Thread the flexible shaft collet cover onto the tool housing by turning it clockwise, and finger tighten only.

WARNING. Never tighten the collet nut with the use of pliers or a wrench as the thread will strip.

Changing the collet and accessories

Note. To change the collet or install a cutter or accessory into the flexible shaft, follow the same general procedure as covered earlier under 'Changing accessories'.

WARNING. Do not attempt to loosen the collet nut without pulling the spindle lock back as far as possible. Damage to the flexible shaft will result.

1. To lock the spindle lock, pull the lock back as far as possible.
2. Use the wrench to loosen and tighten the collet nut.

Maintenance

1. Store the machine, instruction manual and, where necessary, the accessories in the original packaging. In this way you will always have all the information and parts ready to hand.

Cleaning

1. Keep the tool's air vents unclogged and clean at all times.
2. Remove dust and dirt regularly. Cleaning is best done with a rag.
3. Never use caustic agents to clean plastic parts.

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

Repairs

1. Only an authorised service centre should replace the cordset or effect other repairs. If the cordset is damaged or worn, have it repaired or replaced by an authorised service centre.
2. When the brushes are worn, the tool may not work. Have new brushes fitted by an authorised service centre.

Please refer to your warranty card, which is separate to these instructions

Accessories For DEC003AC Kit

Sanding

Sanding drums are perfect for detailed sanding jobs.

5 Coarse sanding sheets	20 mm diameter
5 Fine sanding sheets	20 mm diameter
5 Sanding bands	15 mm diameter

Mandrels

1 Mandrel for sanding band	3.2 mm Diameter shaft
1 Disc mandrel for cut-off wheel	3.2 mm Diameter shaft
1 Polishing pad mandrel	3.2 mm Diameter shaft

Grinding

The perfect way to remove burrs and sharpen tools.

5 Grinding stones	Various shapes & sizes
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Cutting

Various cutting wheels let you cut, trim and shape metal, glass and ceramics.

1 Ball-shaped high speed cutter	2.4 mm Diameter shaft
1 Corn-shaped cutter	2.4 mm Diameter shaft
8 Cut-off wheels	24 mm Diameter

Polishing & cleaning

Ideal for removing rust, smoothing out imperfections or cleaning tools.

1 Polishing pads	Felt	13 x 9 mm
1 Polishing pads	Felt	25 x 5 mm
1 Bristle Brush	Brass	3.2 mm Diameter shaft
1 Wire brush wheel		3.2 mm Diameter shaft

Drilling

An extremely convenient way to drill holes with more detail and precision.

1 High speed drill bit	3.2 mm diameter
1 2 in 1 Wrench	
2 Collets	2.4 mm and 3.2 mm
1 Stone for dressing grinding wheels	26 x 10 x 10 mm

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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.

Phone (03) 8346 1100 Facsimile (03) 8346 1200
Email info@gmca.com.au
Website www.gmcompany.com
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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



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.



45-55 South Centre Road Melbourne Airport
Victoria, Australia 3045

Tel: (03) 8346 1100 Fax: (03) 8346 1200

GMC
GLOBAL MACHINERY COMPANY

13W ELECTRIC ENGRAVER

DEC007EN



1. On/off switch
2. Engraving tip
3. Stroke adjustment dial
4. Tip release screw
5. Power cord

Full 2 years home use warranty

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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.



CAUTION



Thoroughly read and understand all instructions before using this product.

S2: 10 min.; Indicates operating time at no more than 10 minutes at rated load followed by a complete cool down of the tool.

Specifications

Input power:	13W
Power supply:	230-240V ~ 50 Hz
Engraving bit:	Tungsten Carbide Tipped steel
Cord length:	1.4 metres
Tool Weight:	0.4 kg

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.

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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.**
- **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.** This will ensure that the safety of the power tool is maintained.

Additional safety instructions for engravers

- Always wear eye, ear and breathing protection
- Do not apply too much pressure when engraving

WARNING. The use of an accessory or attachment, other than those recommended in this Instruction Manual, may present a risk of personal injury.

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.

Installing an engraver tip

WARNING. Disconnect the engraver from the power supply before making any adjustments or maintenance procedures.

1. Loosen the tip release screw (4) by turning it anti-clockwise with a flat head screwdriver.
2. To fit the new engraving tip (2), insert the tip through the centre of the hole of the engraver, ensuring the tip fully enters the housing. A new tip should protrude from the end of the housing by approximately 8.5mm.
3. Tighten the tip release screw (4) fully by rotating in a clockwise direction.

Operation

WARNING. Always wear safety glasses when using this tool.

The GMC engraver can be used to permanently mark metal, glass, plastic, wood, ceramics and much more.

1. Before using the engraver you must ensure there is an engraving tip installed.
2. Connect the engraver plug to the power supply and while holding the engraver firmly, push up on the on/off switch (1) with your thumb.

NOTE. To turn the tool on, press the small On/Off Switch (1) upwards to the (I) position. To turn the tool off, push the on/off Switch (1) down to the (O) position.

3. Hold the engraver at an angle, like you would hold a pen. Do not press down hard while engraving, use light pressure while guiding the point over the work to be completed.

Adjusting the depth of engraving

1. The stroke adjustment dial (3) located on the side of the engraver controls the stroke length and therefore the depth of engraving.
2. For a fine mark turn the stroke adjustment dial (3) anti-clockwise to position '1'.
3. For a deeper, thicker mark turn the stroke adjustment dial (3) clockwise to position '5'

NOTE. It is recommended that you practice on scrap material before you start.

Maintenance

WARNING. Always ensure that the tool is switched off and the plug is removed from the power point before making any adjustments or maintenance procedures.

1. Use a soft brush to remove any accumulated dust. Wear safety glasses to protect your eyes whilst cleaning.
2. If the body of the tool needs cleaning, wipe it with a soft damp cloth. A mild detergent can be used but never alcohol, petrol or other harsh cleaning agents.
3. 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.

Power cord maintenance

If the supply cord needs replacing, the task must be carried out by the manufacturer, the manufacturer's agent, or an authorised service centre in order to avoid a safety hazard.

Please refer to your warranty card, which is separate to these instructions.

GMC Full 2-Year Warranty

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Website www.gmcompany.com
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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.

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GMC
GLOBAL MACHINERY COMPANY

45-55 South Centre Road Melbourne Airport
Victoria, Australia 3045

Tel: (03) 8346 1100 Fax: (03) 8346 1200