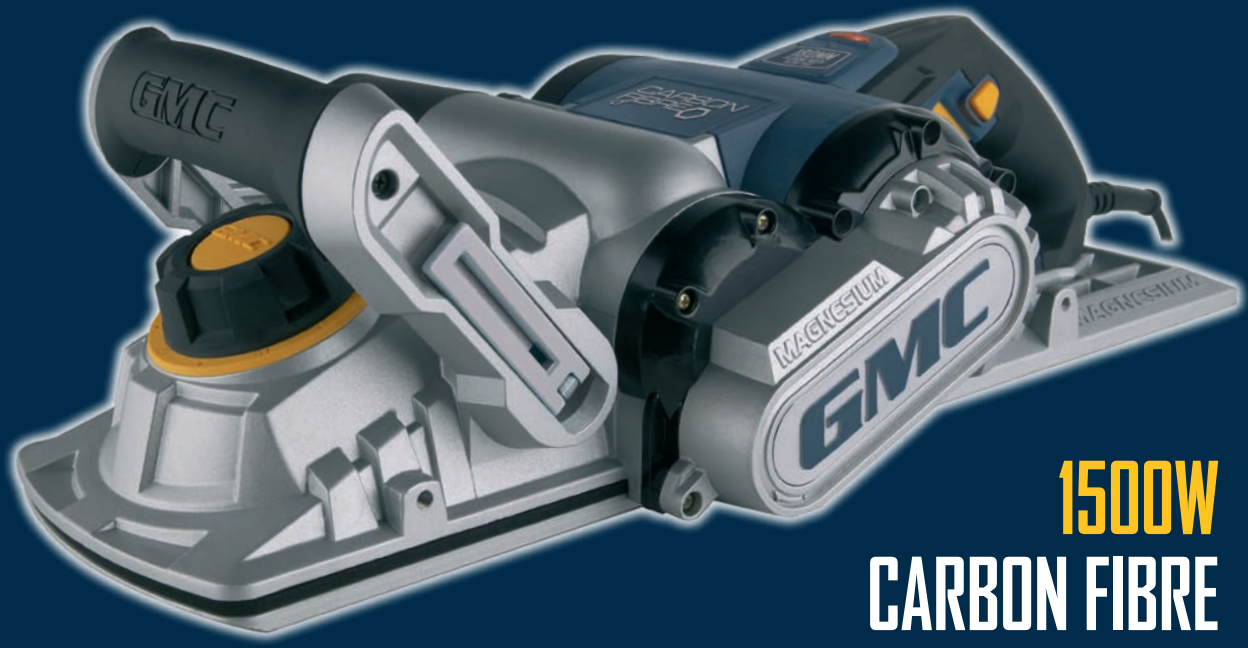


1500W
CARBON FIBRE
FULL WIDTH POWER PLANER

BFPCF

INSTRUCTION MANUAL

GMC®

GLOBAL MACHINERY COMPANY

Black	Magenta	**Code:** BFPCF		
Cyan	Yellow	**Date:** 080529	**Edition:** 06	**Op:** DCR

Contents

Warranty Power Tools

Whilst every effort is made to ensure your complete satisfaction with this tool, occasionally, due to the mass manufacturing techniques, a tool may not live up to our required level of performance and you may need the assistance of our service department.

The product is warranted for a 2-year repair warranty for home domestic use from the date of original purchase. If found to be defective in materials or workmanship, the tool will be repaired free of charge.

A small freight charge may apply. Proof of purchase is essential. We reserve the right to reject any claim where the purchase cannot be verified.

This warranty does not include damage or defects to the tool caused by or resulting from abuse, accidents, alterations or commercial or business use. It also does not cover any bonus items or included accessories. Only the power tool is covered under this warranty.

With continuing product development, changes may have occurred which render the product received slightly different to that shown in this instruction manual.

Please ensure that you store your receipt in a safe place.

Conditions apply to the above warranty. For full details of the warranty terms and conditions please refer to our website – **www.gmcompany.com**

For prompt service we suggest you log your service request online - www.gmcservice.com.au, should you not have access to the internet, please contact our service department on 1300 880 001 (Australia) or 0800 445 721 (New Zealand).

Introduction

Your new GMC power tool will more than satisfy your expectations. It has been manufactured under stringent GMC Quality Standards to meet superior performance criteria.

You will find your new tool easy and safe to operate, and, with proper care, it will give you many years of dependable service.

CAUTION. Carefully read through this entire Instruction Manual before using your new GMC Power Tool. Take special care to heed the Cautions and Warnings.

Your GMC power tool has many features that will make your job faster and easier. Safety, performance, and dependability have been given top priority in the development of this tool, making it easy to maintain and operate.

Environmental protection

Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.

Description of symbols

The rating plate on your tool may show symbols. These represent important information about the product or instructions on its use.

Wear hearing protection.
Wear eye protection.
Wear breathing protection.

Double insulated for additional protection.

Conforms to relevant standards for electromagnetic compatibility.

Specifications

Voltage:	230-240V ~ 50Hz
Power rating:	1500W
No load speed:	15000 min^{-1}
Planing depth :	0 - 2mm
Planing width:	180mm
Blades:	Type Mn 65, 180mm (reversible), set of 3
Insulation:	Double Insulated
Weight:	8.5kg

This planer is double insulated. There are two independent barriers of insulation to protect you from the possibility of electric shock.

General safety rules

WARNING. Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term “power tool” in all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

Save these instructions

1. Work area

a. Keep work area clean and well lit. Cluttered and dark areas invite accidents.

b. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.

c. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2. Electrical safety

a. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.

b. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.

c. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

d. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.

e. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.

3. Personal safety

a. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

b. Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c. Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.

d. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

e. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

f. Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

g. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust related hazards.

4. Power tool use and care

a. Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.

b. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

d. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.

e. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

f. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g. Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

5. Service

a. Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

Additional safety rules for electric planers

- Fully unwind cable drum extensions to avoid potential overheating.
- When an extension cable is required, you must ensure that it has the right ampere rating for your power tool and is in safe electrical condition.
- Ensure your mains supply voltage is the same as your tool rating plate voltage.
- After long working periods, external metal parts and accessories could be hot.
- If possible, always use clamps or a vice to hold your work.
- Always switch off before you put the planer down.
- Do not force the planer: let the tool do the work at a reasonable speed. Overloading will occur if too much pressure is applied and the motor slows resulting in inefficient planing and possible damage to the planer motor.
- Always use a dust extraction system where possible.
- Rags, cloths, cord, string and the like should never be left around the work area.
- Remove all nails, screws and other objects from the workpiece. You can damage the blade and the tool by cutting into a nail or other foreign object. It can also present a safety hazard.
- Handle the blades very carefully.
- Be sure that the blade installation bolts are securely tightened before operation.
- Always wear eye and ear protection and use a dust mask.
- Hold the tool firmly with both hands.
- Keep hands away from rotating parts.
- Before using the tool on an actual workpiece, switch on and let it run for a while. Watch for vibration or wobbling that could indicate poor installation or a poorly balanced blade.
- Make sure that a blade is not in contact with the workpiece when you switch the machine on.
- Wait until the blades attain full speed before cutting.
- Operate the tool at least 200mm away from your face and body.
- Always switch off and wait until the blades have come to a complete standstill before attempting any adjustments.

- Never stick your finger into the chip chute. Shavings may jam in the chute when cutting damp wood. Clean out the chips with a stick but only when the tool has been turned off and unplugged from the power point.
- Do not leave the machine running unattended. Operate the tool only when controlled by both hands.
- Wait for the cutter to stop before setting the tool down. An exposed cutter may engage the surface leading to possible loss of control and serious injury.
- When leaving the planer, switch off and set it with the front base up on a wooden block so that the blades are not in contact with anything.
- Always change the three blades at the same time, otherwise the resulting imbalance will cause vibration and shorten the blade and tool life.

WARNING. Before connecting a tool to a power source (mains socket 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.

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

To use this tool properly, you must observe the safety regulations, the assembly instructions and the operating instructions to be found in this Manual. All persons who use and service the machine have to be acquainted with this Manual and must be informed about its potential hazards. Children and frail people must not use this tool. Children should be supervised at all times if they are in the area in which the tool is being used. It is also imperative that you observe the accident prevention regulations in force in your area. The same applies for general rules of occupational health and safety.

The manufacturer shall not be liable for any changes made to the tool nor for any damage resulting from such changes.

Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the tool's construction and design:

- Damage to hearing if effective hearing protection is not worn.
- Always remove the plug from the mains socket before making any adjustments or maintenance, including changing the blades and adjusting the depth of cut.
- Contact with the blades.
- Reaching under the base whilst the tool is running and making contact with the blade.
- Kickback of workpiece and parts of workpiece.
- Blade fracture.
- Catapulting of faulty pieces from the blade.

Contents of carton

The GMC BFPCF Full Width Planer is supplied with the following accessories as standard:

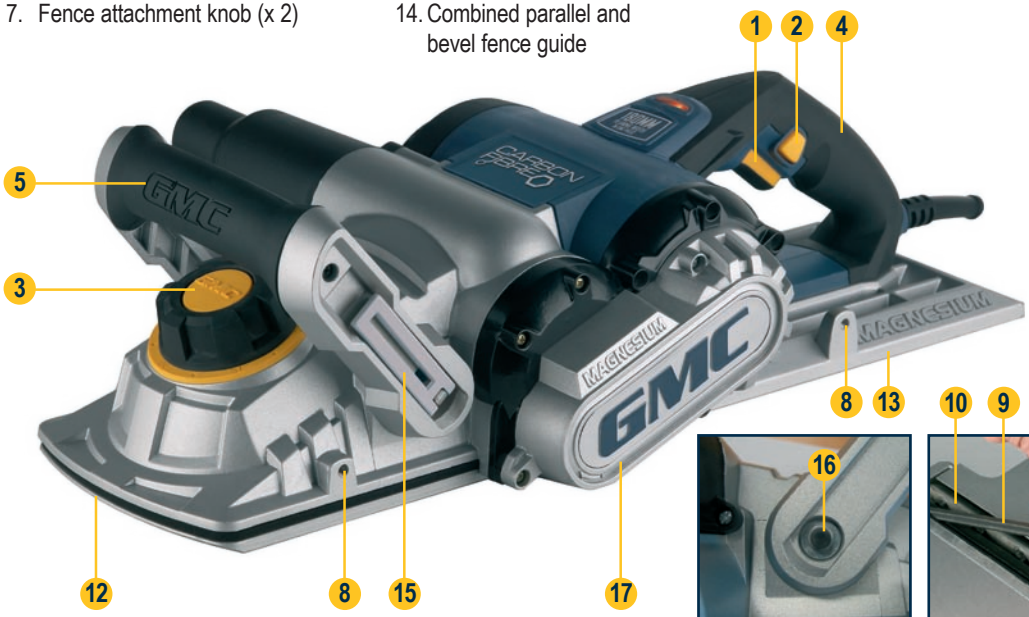
- Set of 3 Blades (Fitted)
- Combined Parallel and Bevel Fence
- Blade Spanner
- Spare Drive Belt
- Dust Extraction Adaptor
- Spare Set of Carbon Brushes

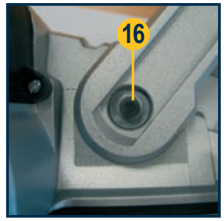
Unpacking

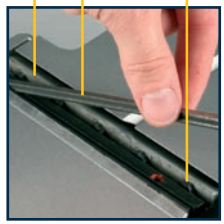
Due to modern mass production techniques, it is unlikely that your GMC Power Tool is faulty or that a part is missing. If you find anything wrong, do not operate the tool until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

Know your product

1. On/off trigger switch
2. Lock-off button
3. Depth adjustment knob
4. Main handle
5. Front handle
6. Dust/chip extraction port
7. Fence attachment knob (x 2)
8. Fence attachment point (x 4)
9. Reversible blades
10. Blade barrel
11. Clamping screw (x 5)
12. Moveable front base
13. Fixed rear base
14. Combined parallel and bevel fence guide
15. Front handle lock lever
16. Front handle set screw
17. Drive belt cover
18. Dust extraction adaptor
19. Blade spanner
20. Spare drive belt







Assembly

The GMC BFPCF Planer is packed, fully assembled except for the dust extraction adaptor and combined parallel and bevel fence guide.

Adjusting the front handle

1. Hinge out the front handle lock lever (15) and move the front handle to one of four positions to best suit the task at hand.

2. Hinge back lever (15) to secure the front handle in the selected position.

Note. If necessary, the lever action mechanism can be adjusted using the front handle set screw (16).

Adjusting the depth of cut

CAUTION. Always ensure that the tool is switched off and unplugged from the power supply before making adjustments or installing or removing blades.

1. Rotate the depth adjustment knob (3) clockwise for a deeper cut and anti-clockwise for a shallower cut.

2. The numbers on the ring under the depth adjustment knob indicate the depth of cut. For example when '2.0' is next to the pointer on the front of the planer, the depth of cut is 2mm.
3. If it is necessary to plane to a precise depth, plane a scrap piece of wood, measure the difference in thickness and adjust the setting if necessary.

Switching on and off

CAUTION. Before plugging the machine into the power point always check that the trigger switch (1) and lock-off button (2) work properly. Before switching on, ensure that the blade drum is not making contact with any surface.

1. Plug in the machine, push in the lock-off button (2) and pull the trigger switch (1).
2. To stop the tool, simply release the trigger switch (1).
3. In order to restart the machine, it is necessary to operate both the lock-off button (2) and the trigger switch (1). This is an important safety feature that helps prevent accidental operation of the planer.

CAUTION. Please note that the planer blades continue to spin for some time after switching off the planer. Wait until the motor has completely stopped before setting down the tool to prevent damage to the planer blades or the surface.

If you wish to rest the planer on its side, do not rest it on the side with the vents to prevent dust or chips from getting into the motor.

4. When the planer is not to be used for a short period, set the depth control knob to the "P" position and rest the front of the planer on a block of wood to keep the base clear of the surface.

Planing

1. Rest the front base (12) flat on the workpiece surface without the blades making any contact with the workpiece.
2. Switch on the tool and wait for the blades to reach full speed.
3. Move the tool gently forward, applying pressure on the front of the tool, using your hand on the front handle (5) at the start of planing and pressure at the rear of the tool, using your hand on the main handle (4) towards the end of the planing stroke.
4. Push the planer beyond the edge of the workpiece without tilting it downwards or upwards.

Tip. Treat the material as if it was slightly longer than it actually is. Then you will continue with your planing action until the blades have well passed the end of your workpeice.

5. The rate of planing and the depth of cut determine the quality of the finish. For rough cutting, you can increase the depth of cut, however to achieve a good finish you will need to reduce the depth of cut and advance the tool more slowly.

Note. Planing is easier if you incline the workpiece slightly away from you so that you plane “downhill”.

CAUTION. Moving the machine too fast may cause a poor quality of cut and can damage the blades or the motor. Moving the machine too slowly may burn or mar the cut.

The proper feed rate will depend on the type of material being cut and the depth of the cut.

Practice first on a scrap piece of material to gauge the correct feed rate and the cut dimensions.

CAUTION. Always use two hands to hold the planer.

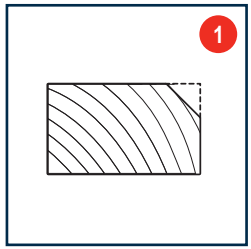
CAUTION. Where possible, clamp the workpiece to the bench.

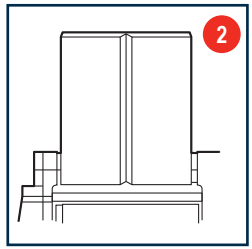
Chamfering

1. To make a chamfered cut as shown in fig.1, First align the “v” groove (fig. 2) in the front base (12) of the planer with the corner edge of the workpiece.
2. Run the planer along the corner edge.

Fig. 1. Chamfered edge.

Fig. 2. Aligning the “v” groove.





Combined parallel and bevel fence guide

CAUTION. Always ensure that the tool is switched off and unplugged from the power supply before making adjustments or installing or removing blades.

1. Fit the fence guide (14) to the base by screwing the knobs (7) into the fixing points (8).
2. Loosen the two wing nuts and set the angle of the fence if you wish to use it as a guide for making bevel cuts.

3. When set at right angles to the planer base, the fence provides a guide to help control the planing action.

Note. The fence can be fitted to either side of the base.

Note. The angle graduations marked on the fence are for indicative purposes only. For accurate bevel cutting it is necessary to measure the angle of the fence, make a trial cut and adjust if necessary.

Shavings extraction

1. The dust/chip extraction port (6) allows connection to a vacuum dust extraction system.
2. Using the dust extraction adaptor (18) permits a dust extraction system to be connected to the dust extraction port (6).

3. To fit the adaptor (18) insert it into the port (6) and twist it clockwise until it locks into position.

Removing and installing planer blades

CAUTION. Always ensure that the tool is switched off and unplugged from the power supply before installing or removing blades.

Your planer is fitted with reversible blades. Blades can be reversed when blunt. After both sides of the blades have been used they should be discarded.

Note: These blades cannot be re-sharpened.

Removing a planer blade

CAUTION. The blades are very sharp. Take care when handling them.

1. Using the supplied spanner (19), loosen the five clamping screws (11).

2. Remove the planer blade (9) from the slot in the blade barrel (10) in which it is retained.

Installing a planer blade

1. The blades are reversible as they have a cutting edge on both sides. If a blade edge is worn or damaged, the blade can be removed and put back the other way around.

   Either turn over the planer blade (9) or replace it if required.
2. Slide the good blade face up into the blade support block of the blade barrel (10).

Note. If only one blade is damaged, it can be replaced without the need to replace the other two blades. When blades are worn, they must be replaced as a set of three to prevent unbalanced operation with consequential dangerous vibration and possible damage to the tool.

Note: The ridge along the blade should be on the blade face on the opposite side to the clamping screws (11).

3. Tighten the clamping screws (11), in the following manner.

   Tighten the two outside clamping screws snug tight, then the next two screws, then the middle screw.

   Working in the same order, fully tighten all five screws.

4. Repeat for the two remaining blades.

CAUTION. When installing blades, first clean out all chips or foreign matter adhering to the blade barrel (10) and the blades themselves. Use blades of the same dimensions and weight, or the barrel will oscillate and vibrate causing poor planing action and possibly a machine breakdown. Tighten the clamping screws (11) carefully when attaching the blades to the planer. A loose clamping screw could be extremely dangerous. Regularly check to see they are tightened securely.

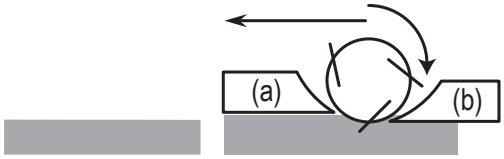
CAUTION. The planer is designed so that the blades are correctly aligned if placed flush into the barrel slots and tightened correctly.

When inserting new blades it is essential that they sit square in their slot, that they are fully inserted and that the cutting edges are absolutely level, i.e. parallel to the surface of the rear base. Only when all these conditions are satisfied should the clamping screws be tightened. If the blades protrude or are not square, they could hit the casing with serious risk to the operator and others in the vicinity.

Note. Your planing surface will end up rough and uneven unless the blades are set and secured properly.

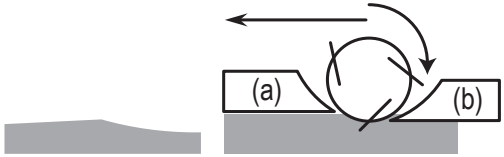
The examples below show proper and improper settings:

Correct setting

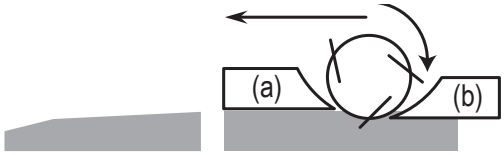


- **Correct setting** - clean smooth cut.

- **Nicks in surface** – as caused by the edge of one or all blades not being parallel to the surface of the rear base.



- **Gouging at start** – as caused by the edge of one or all blades not protruding enough in relation to the surface of the rear base.



- **Gouging at end** – as caused by the edge of one or all blades protruding too far in relation to the surface of the rear base.

(A) front base (moveable shoe)

(B) rear base (stationary shoe)

Drive belt replacement

CAUTION. Always ensure that the tool is switched off and unplugged from the power supply before making adjustments or installing or removing blades.

1. To replace the drive belt first take out the three cross-head screws that secure the drive belt cover (17) on the left-hand side of the planer as viewed from the rear.

Note. The front screw is longer than the other two. Take care to replace this screw in the same hole when replacing the cover.

2. Remove the damaged belt by pulling it sideways off the top pulley and turning the bottom pulley by hand. Use a soft brush to clean the pulleys and the surrounding area

Note. Wear eye protection when cleaning out the pulley area.

3. With the six continuous “v” profiles on the inside, place the new belt over the bottom pulley. Half fit the other end of the belt on the top pulley then roll the belt in place whilst turning the pulley.

4. Check that the belt runs evenly by manually turning the belt.
5. Replace the cover and the three fixing screws ensuring that the longer screw is located in the hole at the front of the cover.
6. Plug the machine back into the power outlet and switch the tool on and run for a minute to make sure that the motor and belt are operating correctly.

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.

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

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 compressed air or a dry, soft to medium brush like a paint brush.

CAUTION. Wear protective goggles when cleaning the tool.

3. Re-lubricate all moving parts at regular intervals.
4. 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. Ensure the tool is thoroughly dry before using it.

Power cord maintenance

If the supply cord needs replacing, the task must be carried out by the manufacturer, the manufacturer’s agent, or a qualified electric service repairer in order to avoid a safety hazard.

GMC customer assist

Attach Your Receipt Here

If your product needs repairing or you simply need help or advice, please contact us on our Customer Assist Line 1300 880 001 (Australia) or 0800 445 721 (New Zealand).

For prompt service we suggest you log your service request online at **www.gmcservice.com.au.** Should you not have access to the Internet, please contact our service department on **1300 880 001 (Australia) or 0800 445 721 (New Zealand). 7am – 7pm, 7days a week (AEST).**

Please note that if repair is required, you must provide a valid original purchase receipt.

You will need the following details at hand to log your service request;

Personal details: First & Last name, address, pick up address, contact phone numbers, email address

Product details: Product number, date of purchase, retailer bought from, State & postcode, receipt number, reason for the request, copy of official purchase receipt

Attach your purchase receipt and save with this Manual for future reference.

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

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