



**25CC**  
**PETROL**  
**BRUSH CUTTER**  
PBC26  
INSTRUCTION MANUAL

**GMC**<sup>®</sup>  
**GLOBAL MACHINERY COMPANY**

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## **Warranty Powertools**

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

This product is warranted for a 2-year period for home domestic use from the date of the original purchase. If found to be defective in materials or workmanship, the tool or the offending faulty component will be repaired or replaced free of charge with another of the same item. A small freight charge may apply. Proof of purchase is essential. We reserve the right to reject any claim where the purchase cannot be verified.

This warranty does not include damage or defects to the tool caused by or resulting from abuse, accidents, alterations or commercial or business use. It also does not cover any bonus items or included accessories. Only the powertool 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](http://www.gmcompany.com)

For prompt service we suggest you log your service request online - [www.gmcservice.com.au](http://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.

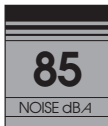
**CAUTION.** Carefully read through this entire Instruction Manual before using your new GMC Power Tool. Take special care to heed the Cautions and Warnings.

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.



Noise label rating 85dBA (taken at 7.5 meters) you must wear ear protection at all times.

## Description of symbols

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



Conforms to relevant standards for electromagnetic compatibility.



Wear hearing protection.



Wear eye protection.



Wear breathing protection.



Wear safety footwear.



Wear safety gloves.



Warning.



Read these instructions for use carefully.

### Choke control



Start position (choke closed).



Run position (choke open).



Use at a distance of at least 15m from other people.



Thrown objects and rotating line can cause severe injury.



Replace dull blade. Do not sharpen the brush blade. Sharpening the blade can cause the blade to brake off while in use.



Sharp blade on the safety guard, do not touch the cut-off knife.



Explosive material.



Extremely hot surface. Do not touch a hot muffler, gear box or cylinder, you may get burned. These parts get extremely hot from operation and remain hot for a short time after the unit is turned off.

## Specifications

Engine:	25cc, 2 stroke
Cutting diameter (swathe)	
Blade:	230mm
Spool head:	390mm
Speed:	7500-8500min <sup>-1</sup>
Shaft:	Straight
Blade:	3 Segment brush blade
Spool Type:	Bump feed, twinline
Line thickness:	2mm
Fuel tank capacity:	450ml
Fuel type:	Unleaded petrol
Fuel mixture:	Unleaded petrol / 2-stroke oil (40:1)
Equivalent spark plugs:	NGK BPMR7A CHAMPION CJ7Y
Net Weight:	7.6kg

Noise label rating 85dBA (taken at 7.5 meters) you must wear ear protection at all times.

## General safety instructions

**WARNING.** Read and understand all instructions.

Failure to follow all instructions listed below may result in fire and/or serious injury.

### 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) 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 a dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

##### c) 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.

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

##### e) 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.

**f) 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.

#### 3) 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) Turn tool off completely 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 tool's 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 intended could result in a hazardous situation.

#### **4) Service**

**a) 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 rules for petrol brush cutters**

- **Do not operate in a hazardous location.** Such areas include where there is a risk of explosion of petrol fumes, leaking gas or explosive dust.
- **Do not operate in a confined area.** Exhaust gases, smoke or fumes could reach dangerous concentrations.
- **Protect your tool.** This brush cutter is NOT WEATHERPROOF and should not be exposed to direct sunlight, high ambient temperature and damp, wet or high humidity conditions.
- **Do not smoke while refuelling.** This is potentially dangerous as it may ignite the fuel and cause an explosion.

- **Take care not to spill fuel.** When refuelling the brush cutter ensure that the motor has been switched off. Prevent the spilling of fuel as this may also ignite on the hot motor. Never refuel whilst the engine is running.
- **Be careful where you store the brush cutter.** Store the brush cutter in a dry area away from flammable liquids.
- **Keep your distance.** The brush cutter emits exhaust fumes. Ensure bystanders keep a safe distance.
- **Ensure you use oil-mix fuel.** Ensure that you mix 40 parts unleaded fuel to 1 part 2-stroke oil. If not, the engine will overheat and cause damage to your brush cutter.
- **Never fill fuel tank indoors.** Never fill fuel tank when engine is running or hot. Do not smoke when filling the fuel tank.

### **Unpacking**

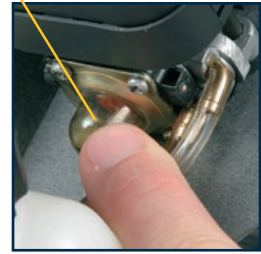
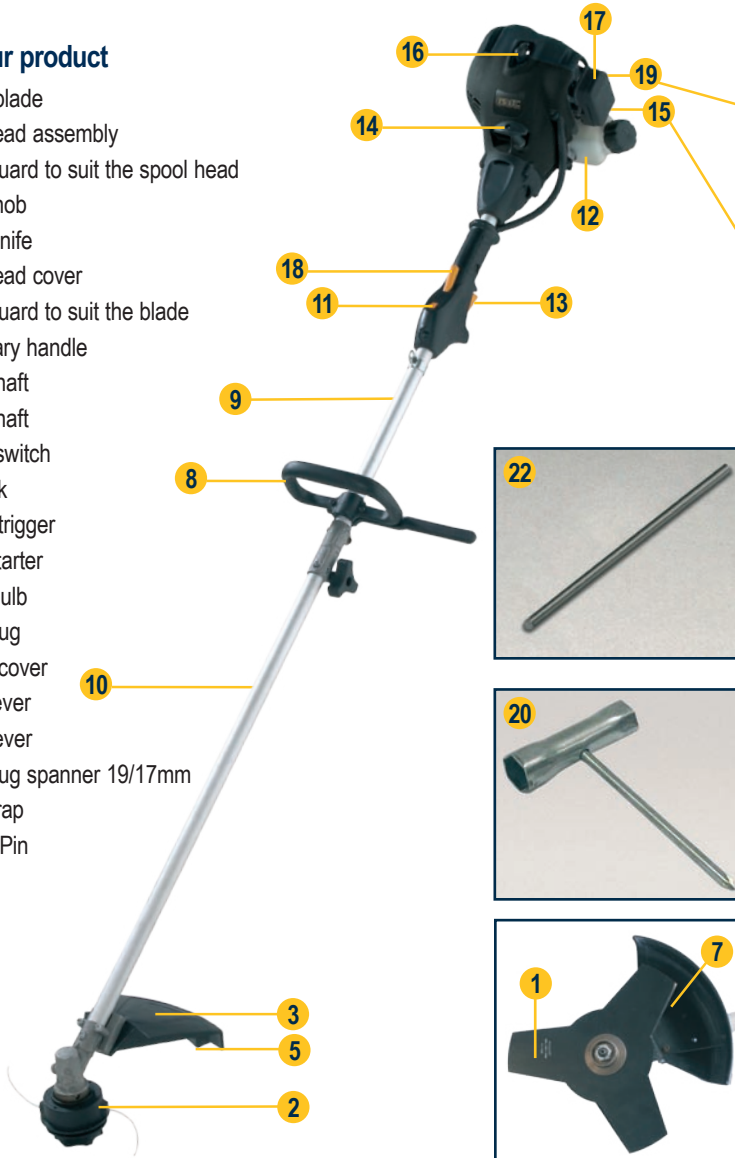
Due to modern mass production techniques, it is unlikely that your petrol brush cutter is faulty or that a part is missing. If you find anything wrong, do not operate the tool until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

### **Contents of carton**

- Upper shaft with motor
- Lower shaft
- Secondary handle (two sections) with 2 screws and nuts
- Safety guard to suit the blade
- Safety guard to suit the spool head
- Spool head
- 3 Tooth blade
- 4 Bolts to attach the safety guards
- Cutting head assembly cover
- Outer flange
- Blade retaining nut
- Split pin
- Spark plug wrench
- Carry strap
- Locking pin

## Know your product

1. Cutting blade
2. Spool head assembly
3. Safety guard to suit the spool head
4. Bump knob
5. Cut-off knife
6. Spool head cover
7. Safety guard to suit the blade
8. Secondary handle
9. Upper shaft
10. Lower shaft
11. Ignition switch
12. Fuel tank
13. Throttle trigger
14. Recoil starter
15. Primer bulb
16. Spark plug
17. Air filter cover
18. Safety lever
19. Choke lever
20. Spark plug spanner 19/17mm
21. Carry strap
22. Locking Pin



## Assembly

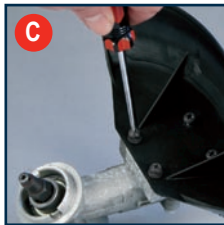
It is necessary to attach the upper and lower shafts, fit the blade or spool head and the appropriate safety guard and attach the secondary handle.

### Joining the upper and lower shafts

1. Depress the location pin and insert the lower shaft (10) into the upper shaft (9). Rotate the lower shaft until the pin locates positively into the hole in the upper shaft. (Fig. A).
2. Tighten the shaft locking knob to secure it in place (Fig. B).



### Attaching the blade and the blade safety guard

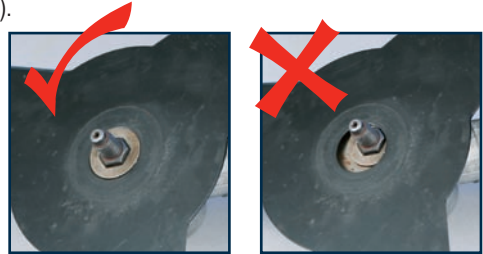


1. Remove the 4 screws in the head of the lower shaft (Fig. C).
2. Position the blade guard (7) at the end of the shaft and tighten the 4 screws with a screw driver.

**NOTE.** It is important that the guard locates fully in the head of the lower shaft and then all 4 screws are fully tightened. Failure to do this may prevent the blade from rotating correctly.

3. Remove the split pin, nut (by turning in a clockwise direction) and outer flange. With the inner flange still fitted on the shaft, fit the blade on to the hub of the flange.

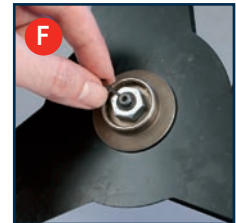
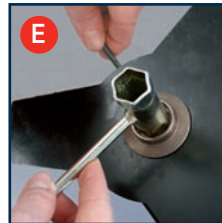
**NOTE.** Insert the locking pin to prevent the shaft rotating (Fig. D).



4. Place the outer flange followed by the nut on to the blade and fit the nut finger tight (by turning it in an anti-clockwise direction). Rotate the blade until the holes of the inner flange and the gear box housing align. Then insert the locking pin through these holes to prevent rotation (Fig. D).



5. Tighten the nut firmly. (Fig. E).



6. Remove the locking pin and insert the split pin (Fig. F). Fold over the legs of the split pin with a pair of pliers.

### Attaching the line trimming head and safety guard

1. Remove the 4 screws from the head of the lower shaft.
2. Position the line trimmer guard (3) at the end of the shaft, insert and tighten the 4 screws with a screwdriver (Fig. G).



3. Remove the split pin, nut (by turning in a clockwise direction) and outer flange. Leave the inner flange fitted.

**NOTE.** Insert the locking pin to prevent the shaft rotating (Fig. D).

**NOTE.** The outer flange is not used when fitting the line trimmer head

4. Place the spool head on the end of the shaft and tighten in an anti-clockwise. To do this you need to rotate the spool until the holes of the inner flange and the gearbox housing align, insert the locking pin to keep them still, then firmly tighten the spool by hand (Fig. H).

**NOTE.** Before attempting to use the line trimmer, pull both the lines to release the bump fee mechanism.



### Fitting the secondary handle

The brush cutter comes with a secondary handle (8) which can be attached by fixing it to the shaft with the screws and nuts supplied (Fig. I).

**IMPORTANT.** When using the brush cutter or line trimmer head the secondary handle must ALWAYS be fitted.



## Fuelling

### MOTOR FUEL: MIX AT 40:1 ONLY

1. Use fresh unleaded petrol. You must use 2-stroke oil specifically made for heavily stressed two-stroke engines.
2. Mix the petrol and oil in an approved container. Never mix fuel in the brush cutter.
3. Place the brush cutter upright on the ground or on a sturdy bench and wipe any debris from around the fuel cap (Fig. J).



4. Unscrew the fuel tank cap and pour the mixture into the tank using a funnel (Fig. K).
5. Be careful not to spill any mixture. If this happens, wipe the spill with a clean rag.
6. Start the engine at least three metres away from the area where the fuel tank has been filled up in order to avoid any risk of fire.




- Always use extreme care when handling fuel! Fuel is highly flammable.
- Never attempt to fuel the brush cutter if the fuel system components are damaged or are leaking.
- Never attempt to refuel the engine while it is running or still warm, allow it to cool before fuelling.
- Never smoke or light any fires near the brush cutter or fuels.
- Always transport and store fuels in an approved container.
- Never place flammable material close to the engine muffler.
- Do not use petrol which contains ethanol or methanol as it may damage the fuel lines and other engine parts.



- Mix only enough fuel for your immediate needs. Do not store the mixed fuel mixture.

## Starting the brush cutter

### Choke control

 Start position (choke closed).

 Run position (choke open).

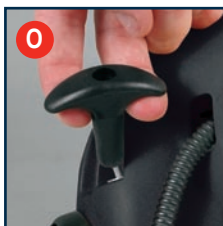
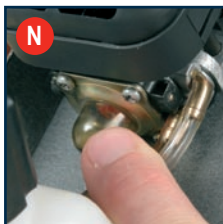
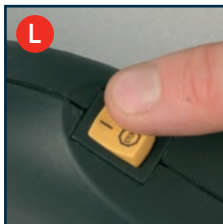
1. Move the ignition switch (11) to the on position marked with a (Fig. L).
2. Move the choke lever (19) upwards to the start position (cold start) (Fig. M).

**NOTE.** This is not required if the engine is warm.

3. Push the primer bulb 6 times, until the petrol/oil mixture fills the primer bulb (Fig. N).

**NOTE.** This is not required if the engine is warm.

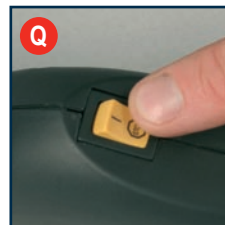
4. Pull the recoil starter (14) several times until you hear the engine starting (Fig. O).
5. Push the choke lever slowly down to the run position (warm start).
6. The engine may start or it may require you to pull on the recoil starter until the engine starts.
7. Allow the engine to run idle for around 10 seconds to let it warm up.
9. Squeeze the safety lever (18) and throttle trigger (13) to engage the blade or spool (Fig. P).



## Stopping the brush cutter

**WARNING:** The blade/spool will continue to rotate for a few seconds after the engine has stopped.

1. Release the throttle trigger and allow the engine to idle for a few moments.
2. Move the ignition switch (11) to the off position marked STOP (Fig. Q).
3. The engine will now stop.



## Running in the engine

1. During the first 2-3 hours of work, run the engine at a moderate speed.
2. We advise you in any case not to maintain your engine at a high speed as the different components must settle with each other during the process of running in the engine.
3. It is at the end of the running in period that the engine will reach its maximum power.
4. After the first two hours of work, stop and make sure that all nuts and screws are securely fastened, and tighten them if necessary.

## Use of the brush cutter

This petrol brush cutter is designed to cut grass, small bushes, and shrubs.

- Never operate the brush cutter without a properly functioning muffler and spark plug cover installed.
- Always use the shoulder strap, when using the tool, to avoid serious injury.
- Never operate the brush cutter unless it is properly assembled and in good working condition.
- Perform a few accelerations of the motor without reaching maximum speed and without working to make sure that everything is in good working order.
- Start the engine only when you are close to the working area.

- Bring the engine to full throttle before entering the material to be cut. The blade has maximum cutting power at full throttle and is less likely to bind, stall or cause blade thrust.
- Place yourself in a well balanced position, stable on both feet.
- Cut while swinging the upper part of your body from left to right. Swing the unit in the same direction as the blade spins, which increases the cutting action.
- Always release the throttle trigger and allow the engine to return to idle speed when not cutting.
- Do not hit stones (even small ones), piles of earth, and small pieces of wood or anything else that could be hidden or poorly visible in the grass. If you hit a large object by accident, or if you block the cutting tool due to overloading or having the cutter jammed with grass, you must stop the engine.
- Put the petrol brush cutter on the ground and check that the cutting tool has not been damaged and if necessary replace the cutting tool. If the tool is only wrapped around something, use gloves and remove the material and clean the cutting tool.

**CAUTION.** Always wear safety gloves for this operation.

- To reduce the chance of material wrapping around the blade cut at full throttle. Swing the unit into the material to be cut, and avoid material just cut as you make the return swing.

**NOTE.** All protective devices of the machine as well as protective equipment must be maintained in good operation condition during the period of use.

Petrol brush cutter transmit vibrations to the operator during use. These vibrations can generate increased fatigue. For this reason, we recommend taking regular breaks during work. We also recommend taking a break after a few hours of work to rest the engine. If abnormal noise or vibration occurs during operation, turn the brush cutter off immediately and have the problem corrected.

## Use with the brush cutting blade

Cut the grass like you are in a corridor about 1.5m wide. Move step by step, moving the machine from left to right and vice-versa. Make sure at each step that you are still well balanced on your feet.

**WARNING:** Blade thrust may occur when the spinning blade contacts an object that it does not immediately cut. Blade thrust can be violent enough to cause the unit and/or operator to be propelled in any direction, and possibly lose control of the unit. Blade thrust can occur without warning if the blade snags, stalls or binds. It is more likely to occur in areas where it is difficult to see the material being cut.

## Use with the line trimming head

Cut the grass like you are in a corridor about 1.5m wide. Move step by step, moving the machine from left to right and vice-versa. Make sure at each step that you are still well balanced on your feet.

The line trimmer has a bump feed mechanism which releases line without having to stop the engine. To release additional line lightly tap the cutting line and spool assembly (4) on the ground while operating the unit at high speed.

**NOTE.** Always keep the trimming line fully extended. Line release becomes more difficult as the cutting line becomes shorter.

Each time the head is bumped it releases approximately 2cm of line. The cut off knife (5) on the blade guard will automatically cut off any excess line. For best results tap the head on hard soil or bare ground.

## Replacement of the cutting line

1. Stop the engine.
2. Put the petrol line trimmer on the floor in a way that cutting line and spool assembly (2) is facing up.
3. Open the cutting line and spool assembly (2) by holding the spool housing firmly while rotating the bump knob clockwise (Fig. R).



4. Remove the bump knob completely and remove the spool from the spool shaft. Discard any short lengths of remaining cutting line.

5. Take a 6 metre length of Ø2mm line and thread the ends through the two holes in the bottom of the spool assembly and pull them (together) all the way through (Fig. T). Then thread one of the ends through the loop in the spool, as shown (Fig. Q).

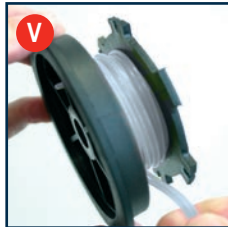
6. Wind the lines (together) tightly onto the spool head in the direction indicated by the arrow on the spool (Fig. V).

7. When there is approximately 150mm of line left, lock one of the lines into one of the line location notches in the spool head and the other into the opposing notch (Fig. W).

8. With the spring fitted onto the shaft of the spool holder insert the spool back into the holder. As you insert the spool, thread the lines through the eyelets at the same time (Fig. X).

9. Once the spool is fully inserted and the lines are fully through the eyelets, pull firmly on each line to disengage the lines from the spool notches.

**NOTE.** Ensure the lines are fully clear of the spool notches and the line is passing through the eyelets directly to the spool.



10. Screw the bump knob back on the shaft firmly and cut any excess line protruding past the cutter of the guard.

**NOTE.** On start up test the operation of the bump feed to ensure the line feeds correctly. **CAUTION.** After changing the line spool, run the petrol line trimmer under no load for at least a minute to make sure that the line and the tool are both operating correctly. Use only the line spool as recommended by the manufacturer.

**WARNING.** Never use steel threads and/or three teeth blade other than those provided by the manufacturer. Always use tools in perfect condition, free of damage.

**WARNING.** In high-speed rotation, parts could be projected at very high speed and could involve serious injury and damages to persons and property.

## Maintenance

**WARNING.** The engine of the petrol brush cutter must be at a complete stop during assembling, repair and cleaning operations that could be necessary.

### Air filter

Accumulated dust in the air filter will reduce engine efficiency. Increase fuel consumption and allow abrasive particles to pass into the engine. Remove the air filter as often as necessary to maintain a clean condition.

- Remove air filter cover (17) by pressing in the sides and lifting it off (Fig. Y).
- Light surface dust can readily be removed by tapping the filter.
- Heavy deposits should be washed out in suitable solvent.



### Fuel Filter

- Fuel tank (12) is fitted with a filter. Filter is situated at the free end of fuel pipe and can be picked out through fuel port with a piece of hooked wire or the like (Fig. Z).



- Check the fuel filter periodically. Do not allow dust to enter the fuel tank. A clogged filter will cause difficulty when starting the engine or abnormalities in engine performance.
- When the filter is dirty, replace the filter.
- When the inside of the fuel tank is dirty, it can be cleaned by rinsing the tank out with petrol.

### Checking the spark plug

Check the spark plug every 10-15 hours of use.

1. Remove the spark plug cover.
2. Use the spark plug spanner (20) to remove the spark plug, by turning it anti-clockwise (Fig. a).



3. Clean and adjust the spark plug gap to 0.6 - 0.7mm. Replace any damaged or visibly worn plug with a NGK BPMR7A or CHAMPION CJ7Y spark plug, as listed in the specification table.
4. Install the spark plug finger tight in the cylinder head, then tighten it firmly with the spark plug spanner (Fig. b).



### Servicing

- It is recommended once you first use your petrol brush cutter to get it serviced after 15 hours of use.
- From thereafter, service the petrol brush cutter every 2 years.

### Storage and maintenance after use

- When you finish working, clean the petrol brush cutter completely, making sure there is no grass or dirt wrapped in the cutting tools, replace the blade cover and put it back into its package in order to avoid its hurting you or other people during transport.
- Be aware to not hit or cut the fuel tank if you put it onto the ground. Do not let the petrol brush cutter fall down to the floor or it may damage the machine.
- Store the petrol brush cutter away from direct sunlight.
- Do not store in a nylon bag as this can encourage the formation of mould.
- At the end of the season, give the petrol brush cutter an overall cleaning and a thorough check.
- Do not leave the petrol brush cutter resting on the floor for extended periods as it could cause the shape of the guard to alter, posing a safety risk. Hang it off the floor by the top handgrip.

Whenever the machine is not used for a long period of time, proceed as follows:

- Empty the fuel tank completely.
- Protect all metal engine parts from corrosion by coating them with oil.
- Remove the spark plug, put a few drops of oil into the cylinder and then pull the recoil starter 2 to 3 times in order to distribute the oil evenly. Replace the spark plug.

## **Problems**

### **Power loss or sudden stopping of the engine**

- Check whether the fuel tank is empty.
- The mixture does not reach the carburettor. Clean the fuel filter in the fuel tank.
- There is water in the mixture. Drain and rinse all the fuel system.
- The air filter is dirty. Clean the air filter.
- There are carbon deposits in the cylinder exhaust pipe or the muffler. Clean those or change the muffler.

### **Bad quality cut**

- Overloaded cutting due to too high grass or too thick for engine power.
- Wrapped vegetal material on the cutting tool.





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# GMC customer assist

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

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

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

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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](http://www.gmcompany.com) for full GMC warranty Terms and Conditions.

Attach Your  
Receipt Here

**GMC**<sup>®</sup>  
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