



**37CC**

# PETROL CHAINSAW

PCH37

INSTRUCTION MANUAL

# GMC<sup>®</sup>

**GLOBAL MACHINERY COMPANY**



|       |         |              |             |         |
|-------|---------|--------------|-------------|---------|
| Black | Magenta | Code: PCH37  |             |         |
| Cyan  | Yellow  | Date: 060426 | Edition: 04 | Op: DCR |



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## Full 2 Years Home Use Warranty

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

This product is warranted for a 2-year period for home domestic use from the date of the original purchase. If found to be defective in materials or workmanship, the tool or the offending faulty component will be replaced free of charge with another of the same item. A small freight charge may apply.

The warranty replacement unit is only made available by returning the tool to the place of purchase with a confirmed register receipt. Proof of purchase is essential. We reserve the right to reject any claim where the purchase cannot be verified.

This warranty does not include damage or defects to the tool caused by or resulting from abuse, accidents, alterations or commercial or business use.

It also does not cover any bonus accessories unless the tool is a GMC Platinum Professional model.

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

## 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.



Conforms to relevant safety standards.

N380



Wear hearing protection.  
Wear eye protection.  
Wear head protection.



Read these instructions for use carefully.



Wear safety footwear.



Wear safety gloves.



Warning.



Use at a distance of at least 10m from other people.



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.



**WARNING!** Danger of kickback.



Do not operate unit in the rain.



Do not attempt to hold saw with one hand.



Do not use the point of the bar.



Hold saw properly with both hands.

## Symbols on the machine



Fuel inlet.  
(Position: under the fuel tank cap.)



Chain oil inlet.  
(Position: next to the oil tank cap.)

I

o

On/Off.  
(Position: on the on/off switch.)  
Setting the on/off switch to Off, stops the engine immediately.



**RUN** Run position.



**START** Start position (when engine is warm.)



**CHOKE** Start position (when engine is cold.)



Choke control  
(Position: next to knob on the top cover)

H

L

T

High run adjustment screw.  
Low run adjustment screw.  
Idle adjustment screw.  
(Position: left side of machine close to pull start handle.)



Chain brake released (hollow arrow) and activated (solid arrow.) (Position: right side of machine, on chain drive cover.)

## Specifications

|   |   |
|---|---|
| Engine displacement:                          | 37cc  |
| Maximum engine power:                         | 1200W   |
| Engine type:                                  | Air cooled, single cylinder, two-stroke cycle |
| Recommended maximum engine speed at idling:   | 2600min <sup>-1</sup>                         |
| Maximum engine speed with cutting attachment: | 9000min <sup>-1</sup>                         |
| Fuel type:                                    | Unleaded petrol/<br>2-stroke oil (50/1)       |
| Fuel tank capacity:                           | 310ml   |
| Oil tank capacity:                            | 210ml   |
| Spark plug:                                   | LD L8RTF NGK BM6A<br>Champion CJ8             |
| Oil feeding system:                           | Automatic pump                                |
| Sprocket wheel:                               | 6-teeth x 9.53mm<br>(3/8") pitch              |
| Guide bar type:                               | Sprocket nose                                 |
| Guide bar cut length:                         | 405mm (16")                                   |
| Chain type:                                   | Oregon 91VG                                   |
| Chain pitch:                                  | 9.53mm (3/8")                                 |
| Weight (including guide bar and chain):       | 5.2kg   |
| Sound pressure level:                         | 93.4 dB(A)                                    |

## 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 chain saws

**NOTE.** For safety reasons the chain saw is shipped with the chain brake fully engaged. This brake must be released before the saw becomes operational.

- Never cut into the ground.
- Never cut into wire fences.
- Never cut into samplings.
- Never cut into prepared wood.
- Use the chain saw to cut only wood.
- It is advisable to provide a support for the chain saw when cutting branches. Do not cut using the bar point and beware of branches under tension.
- Children under 18 must not use chain saws.
- Keep people away from the chain saw when in use.
- Check the following conditions before beginning work:
  - There should be no people in the felling area.
  - Make sure there is a second person within calling distance.
  - The working area should be free from obstacles.
- Wear suitable clothes which do not hinder movement.
- Use specific protection during operations involving head, hands, feet, eyes and ears.
- It is recommended the use of a helmet with a visor during felling, branch cutting and chopping operations.
- Wear gloves with an external protection when using the chain saw.
- Use ear protection to prevent hearing injuries.
- Wear safety boots when using the chain saw.
- Use the bar cover when moving the chain saw away from the working site.

- During transport the brake must be applied to avoid accidental start-up.
- Do not use the chain saw in rainy or windy conditions or in poor light.
- Find a suitable position before beginning work.
- When working on slopes, the saw operator must stand beside or above the wood to cut, i.e. felled trees.
- Use the chain saw holding it firmly with both hands.
- Make a wedge-shaped cut before felling the tree, then the felling cut leaving a hinge for the felling direction.
- Beware of any falling branches after felling operations.
- Beware of wood splinters when cutting chopped wood.
- Ensure your chain saw is suitable for the job.
- Never work above shoulder level or reach out to cut a branch: ensure you have stable footing at all times.
- 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 chain is **NOT WEATHERPROOF** and should not be exposed to direct sunlight, high ambient temperature and damp, wet or high humidity conditions.
- Take care not to spill fuel. When refuelling the chain saw ensure that the motor has been switched off. Prevent the spilling of fuel as this may also ignite with the hot motor. Never refuel whilst the engine running.
- Be careful where you store the chain saw. Store the tool in a dry area away from flammable liquids.
- Keep your distance. The chain saw emits exhaust fumes. Ensure bystanders keep a safe distance.
- Operating instructions and instructions for common cutting tasks, including the use of personal protection equipment, the need for adequate training and the risks involved when operating the unit while tired, ill or under the influence of alcohol or other drugs.

- Ensure you use oil-mix fuel. Ensure that you mix 50 parts unleaded fuel to 1 part 2-stroke oil. If not, the engine will overheat and cause damage to your chain saw.
- Never fill fuel tank indoors. Never fill fuel tank when engine is running or hot. Do not smoke when filling fuel tank.

### **Kickback safety precautions**

- Kickback may occur when the tip of the guide bar touches an object, or when the wood closes in and pinches the saw chain.
- If the bar tip or point contacts, it can produce a rapid reverse reaction, kicking the guide bar up and back towards the operator. This is known as rotational kickback.
- Pinching the saw chain along the top of the guide bar may push the guide bar rapidly back towards the operator. This is known as pinch kickback.
- Either of these reactions can cause loss of control of the saw, resulting in serious personal injury.
- Do not rely exclusively on the safety devices built into your saw. Take the following steps to help avoid accident or injury:
- Reduce the element of surprise by understanding what causes kickback.
- Keep a firm grip on the chain saw using both hands, the right hand on the rear handle and the left hand on the front handle when the motor is running. A firm grip will help maintain control. Do not let go whilst the motor is running.
- Make sure that the area of operation is free of obstructions. Do not let the point of the guide bar contact a log, branch or any other object.
- Use high speeds when cutting.
- Do not overreach or cut above shoulder height.
- Carefully follow the sharpening and maintenance instructions given in this manual.
- Use only replacement bars and chains specified by the manufacturer.

### **DANGER!**

#### **BEWARE OF KICKBACK!**

**WARNING!** Kickback can lead to dangerous loss of control of the chain saw and result in serious or fatal injury to the saw operator or to anyone standing close by. Always be alert. Rotational kickback and pinch kickback are major chain saw operational dangers and the leading cause of most accidents.

### **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.

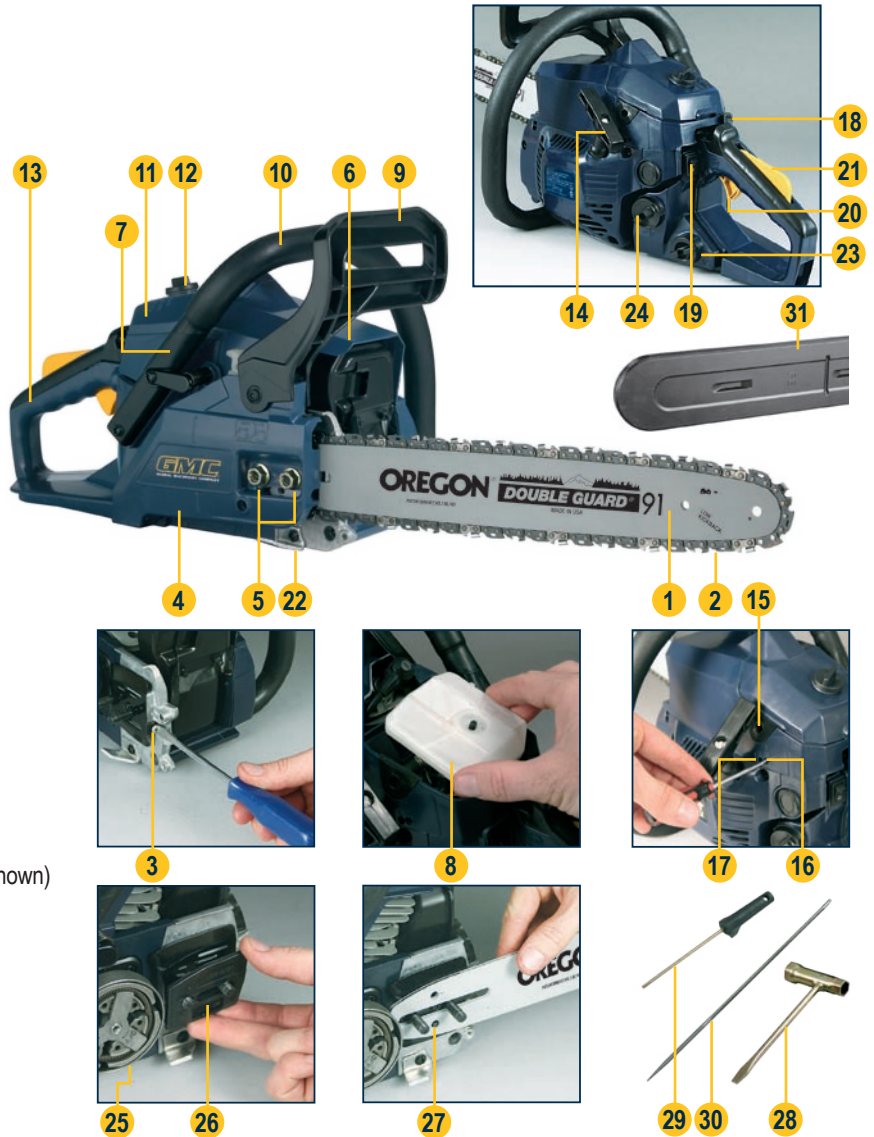
### **Contents of carton**

The GMC Petrol Chainsaw is supplied with the following accessories as standard.

- Chain
- Guide bar
- Guide bar cover
- Double ended wrench
- Screwdriver
- Chain file

## Know your product

1. Guide bar
2. Chain
3. Chain tensioning screw
4. Chain drive cover
5. Chain drive cover nuts (x 2)
6. Cylinder cover
7. Ventilation slide cover
8. Air filter
9. Front guard (chain brake)
10. Top handle
11. Top cover
12. Top cover knob
13. Rear handle
14. Recoil starter
15. Idling adjustment screw
16. Fast run adjustment screw
17. Slow run adjustment screw
18. Choke control
19. On/Off switch
20. Trigger switch
21. Lock off switch
22. Chain catcher
23. Oil tank cap
24. Fuel tank cap
25. Drive sprocket wheel (not shown)
26. Spacer
27. Chain tensioner pin
28. Double ended wrench
29. Screwdriver
30. Chain file
31. Guide bar cover





## Installing the guide bar and chain

**WARNING.** The chain has sharp edges. Use work gloves for safety.

1. Pull the front guard (9) towards the rear of the saw until there is a "click" to make sure that the chain brake is released.
2. Remove the two chain drive cover nuts (5) with the double ended wrench (28) and remove the chain drive cover (4).



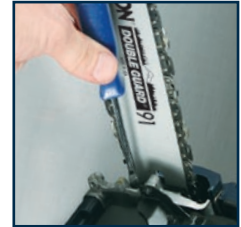
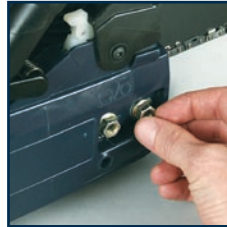
3. Remove the spacer (26) and discard.
4. Fully loosen the chain tensioning screw (3).



5. Place the guide bar (1) in position over the two threaded studs with the chain tensioning pin (27), in the hole in the guide bar.



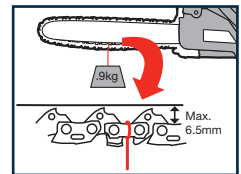
6. Place the chain (2) around the drive sprocket wheel (25) with the chain links in the direction shown on the bar and fit the chain around the guide bar.
7. Fit the chain drive cover and fasten the two nuts (5), finger tight.



8. With the guide bar pointing upwards, tighten the chain tensioner screw (3) until the links of the chain just touch the bottom edge of the guide bar.
9. With the guide bar pointing upwards, tighten drive nuts.



10. Check that the chain can be smoothly pulled around the guide bar by hand and that it maintains contact with the guide bar, top and bottom. To check tension, rotate the chain to its tightest condition then suspend a 0.9kg weight from the chain at the mid point of the underside of the bar. The maximum distance between the driving links and the bar should be 6.5mm.



**NOTE.** Ensure the engine is switched off when making any adjustments to the chain and bar.

**CAUTION.** A new chain will stretch after just a few minutes of use. Check and, if necessary, re-adjust the chain tension. A loose chain causes rapid wear to both the chain and the guide bar and could derail causing a major safety hazard.

## Filling up with fuel and oil

**WARNINGS.** Petrol is very flammable. Avoid smoking or causing any sparks or flames near fuel. Make sure that you stop the motor and allow it to cool before refuelling the machine. Select outdoor bare ground for fuelling and move at least 3m away from the fuelling point before starting the motor.

- Only use oil that is expressly labelled for use with air-cooled 2-stroke engines. **DO NOT** use BIA or TCW (2-stroke water-cooling type) mixed oil.

The recommended mixing ratio is **PETROL 50: OIL 1**

- Use unleaded petrol with a minimum Octane number of 89. If you use petrol with an Octane number lower than 89, there is a danger that the engine might overheat and the piston seize.
- Poor quality petrol or oil may damage sealing rings, fuel lines or the fuel tank. Do not use wasted or regenerated oil, it can damage the oil pump.

**CAUTION.** To maximise the lifetime of the engine, avoid the following:

- Do not use raw petrol, it will severely damage the engine very quickly.
- Do not use oil meant for 4-stroke engines, it will cause spark plug fouling, exhaust blocking and piston ring sticking.
- Do not use fuel mixtures that have been left standing for one month or more, they can cause clogging of the carburettor.

Before storing the chain saw for an extended period, empty the fuel tank, clean it then run the motor to empty the carburettor.

**NOTE.** Do not discard an unwanted fuel container with household waste. It must be taken to an authorised repository site.

## Mixing fuel (50:1 mixing ratio)

1. Measure out the quantities of petrol and oil to be mixed.
2. Put some of the petrol into a clean, approved fuel container.
3. Pour in all of the oil and mix well.
4. Pour in the rest of the petrol and again mix well (at least one minute).
5. It is very important to mix the two ingredients properly to prevent unnecessary engine wear.
6. Make sure that the container is clearly labelled that it is 2-stroke mixture.

## Fuelling the chain saw

1. The engine must be stopped and cool. Place the chainsaw on its side with the fuel tank cap facing upwards.
2. Make sure that the fuel mixture is well mixed.
3. Remove the fuel tank cap (24).
4. Fill the fuel tank to about 80% of its capacity.
5. Fasten the fuel cap securely and wipe up any fuel spillage around the machine.



## Adding chain oil

**WARNING.** Never start work unless the chain and bar are lubricated.

1. Place the chain saw on its side with the oil cap facing up. Untwist and remove the oil tank cap (23).
2. Fill the tank to 80% capacity with chain oil.
3. Fasten the cap and wipe up any oil spillage.



## Starting the chainsaw

**WARNING.** Do not start the motor whilst the saw hangs from one hand. This is very dangerous as the chain may come in contact with your body.

1. Fill the fuel and oil tanks respectively and tighten the caps securely.
2. Set the on/off switch (19) to On (the I position). Make sure that the chain brake is released by pulling the front guard (9) towards the rear of the saw.
3. When the machine is cold first pull out the choke control (18) to the CHOKE position. (Fully withdrawn).

**NOTE.** Once the choke control has been pulled out, it cannot be pushed back to the run position. It returns automatically when the trigger switch is operated.



4. Hold the chain saw securely on the ground and pull vigorously on the recoil starter (14). Repeat (at least 15 times) until the engine "kicks" (attempts to start).
5. With the lock off switch (21) held depressed slightly pull on the trigger switch (20) and then release it. The choke control will click back one position.
6. Pull the recoil starter (14) again and restart the engine. Allow the engine to warm up.
7. When the engine is warm first depress the lock off switch then pull fully on the trigger switch for a short burst. The choke control will fully retract to the RUN position, your chainsaw is now ready for use.



**RUN**

8. When restarting the engine when it is still warm, set the choke control to the START position. Hold the chain saw securely on the ground and pull vigorously on the recoil starter (14). Allow the engine to run for a few moments with the trigger switch pulled slightly.



**START**

9. When the engine is fully warm, pull on the trigger switch. The choke control will fully retract to the RUN position.

## Stopping the chainsaw

1. Release the trigger switch.
2. Set the on/off switch (19) to Off (the O position).



## Checking the oil supply

Run the engine at medium speed and check that the chain splatters a thin line of oil which can be seen on the ground when the bar is pointed downwards. This is normal. If there is no line of chain oil, stop the motor immediately and investigate the cause. The oil tank could be empty or the oil supply to the chain blocked. This may require removal of the bar and checking that the upper oil hole in the bar is clear of any blockages.

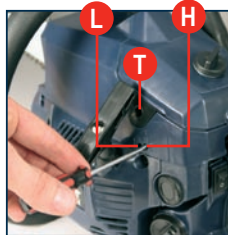


## Adjusting the carburettor

The carburettor is factory set and should not require adjustment.

Changes in operating conditions may require fine tuning of the carburettor. Proceed as follows.

1. Stop the engine and screw in both the H and L needles (16 and 17) using screwdriver (29). Do not force.
2. Turn the H screw (16) back 3/4 of a turn.
3. Turn the L screw (17) back 1-1/2 turns.
4. Start the engine and let it warm up with the trigger switch half pulled in. When the engine is warm, release the trigger switch.



5. Turn the L screw (17) slowly clockwise until the idling speed is at its maximum then turn the screw back (anticlockwise) 1/4 of a turn.
6. Turn the idling adjusting screw (T) (15) anticlockwise until the chain does not turn.
7. If the idling speed is too slow, turn screw (T) clockwise.
8. Make a test cut and adjust screw (16) for best cutting power, not for maximum speed.

## Chain Brake

The chain brake operates automatically in the event of kickback. As the guide bar (1) kicks up, the wrist of the operator's hand on the top handle knocks against the front guard (9) causing the front guard to move forward and activating the chain brake.

1. The chain brake can be operated manually by moving the front guard forward.
2. To release the chain brake, pull the front guard towards the top handle until a "click" is heard.



**CAUTION.** Check that the chain brake is operating correctly each time the chain saw is used.

## Bucking spikes

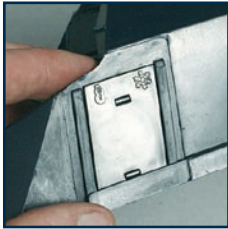
The Chainsaw has bucking spikes to assist with cutting and reduce the chance of kickback, use them as follows:

1. Fit the bucking spike in the bark at point A.
2. Using point A as a pivot point lift the rear of the chainsaw so the chain enters the wood to be cut.
3. Pivot and repeat the operation until the trunk has been cut completely.
4. Use the central part of the bar and never the tip for cutting purposes.

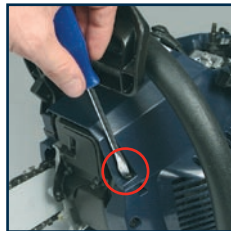
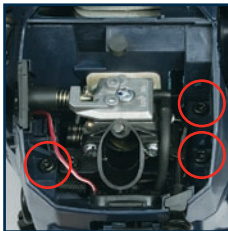


## Operating in cold temperatures

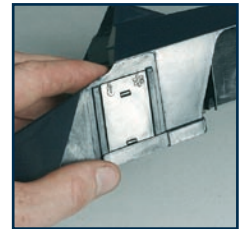
The ventilation slide cover (7) is factory set for use of the chain saw in normal temperatures. It can be changed for use in temperatures around or below freezing point. In this case the position of slide cover (7) is reversed to allow the air entering the carburettor to be first warmed by the engine to increase the efficiency of the operation.



1. Turn off the engine.
2. Loosen top cover knob (12) and remove cover (11).
3. Remove air filter (8) and disengage the choke control (18) from its grommet in the cylinder cover (6) and also remove the idle adjustment screw cover.
4. Remove the four screws that secure the cylinder cover (6). Three screws are located in the chamber under the top cover. The fourth screw is located at the top front left-hand side of the saw.



5. Remove the cylinder cover (6).
6. Remove the slide cover, turn it the other way round with the snow crystal symbol at the top and the sun symbol at the bottom and replace the slide cover in the cylinder cover. Replace the cylinder cover and restore all other components in their original positions.



## Operation

### WARNINGS.

- Always follow the safety instructions given at the front of this manual. This chain saw must only be used for cutting wood. It must not be used for cutting other types of material. Do not use the chain saw as a lever for lifting, moving or splitting objects.
- Do not attach the chain saw to a fixed stand.
- Do not attach any devices to the chain saw other than those specified by the manufacturer.

### Helpful hints

- Do not force the saw into the cut. Apply only light pressure whilst running the engine at full throttle.
- If the saw chain gets caught in the cut, do not try to remove it by twisting the guide or pulling forcibly. Use a lever or wedge to open up the cut so that the saw chain is freed.

While cutting, always:

- Run the chainsaw motor at full revs. This makes the job safer, as there is less chance of pull-in or kick-back.
- Position your body to the left of the chainsaw so if it kicks back uncontrollably, it goes over your right shoulder, never stand in the cutting line of the saw.
- Keep a firm grip with your left hand on the front handle, with your thumb securely below the handle.
- The swivel of your wrist in a kick-back situation will activate the chain brake.
- Make sure the chain is tensioned correctly.

## Guard against kickback

Check the operation of the chain brake each time you use the chain saw.

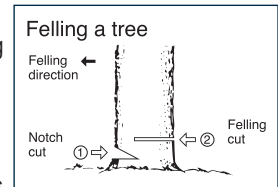
Run the saw at full throttle for 1-2 seconds then push the front guard (9) forwards. The chain should stop immediately. If the chain is slow to stop or only slows down you must take the tool to an authorised repair centre to have the brake band and clutch drum replaced. Disengage the chain brake by pulling the front guard backwards until you hear a click. Do not use the chain saw if the chain brake is not operating correctly.

- Be constantly aware of the position of the upper quadrant of the blade tip. This is the part that triggers a kickback when it hits resistance.
- Never engage the upper quadrant of the guide bar with whatever you are cutting and avoid contact with any hidden branches or obstructions. Ensure there is a clear work area.
- Always clear away brush, vegetation and any obstructing debris before attempting a cut that might trigger a kickback.
- Avoid cuts that will cause the chainsaw to jam in a tree trunk or limb.
- Observe the size of wood shavings, if they become dusty your chain could need sharpening.

## Felling a tree

**WARNING.** Felling a tree should only be done by trained operators.

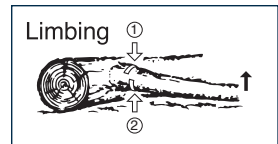
Decide the direction in which you wish the tree to fall taking into account the direction of the wind, the position of branches, lean of the tree, ease of subsequent limbing and bucking and other factors prevalent at the time.



1. Clear the area around the tree and make sure that you have a good foothold and clear retreat path.
2. Ensure that others in the area are aware of the felling and ensure people and animals are well clear.
3. Make a notch cut one-third of the way into the tree on the felling side.
4. Make the felling cut on the opposite side to the initial notch and slightly higher than the notch. As the felling cut gets close to the notch cut, the tree will begin to fall.
5. Remove the saw from the cut, stop the engine with the on/off switch (19), put the saw down and leave the area along the retreat path.

## Limbing

Limbing is the process of removing the branches from a fallen tree.



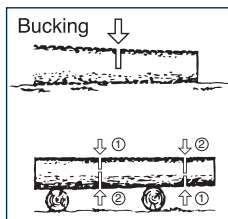
Check the direction in which a branch will bend before cutting it. Always cut on the opposite side to the bending direction so that the guide bar is not pinched in the cut. For large limbs that cannot be removed in one cut, make an initial cut from the bent side and finish by sawing from the opposite direction. Do not remove limbs that are supporting the fallen tree on the ground until the tree has been cut into lengths.

**WARNINGS.** Always keep a balanced stance. Do not stand on the log. Be alert to the fact that the log may roll over. When working on a slope, always stand on the uphill side of the log.

## Bucking

Bucking is cutting a log into lengths for easier handling.

To saw a log lying on the ground, first saw halfway, then roll the log over and cut from the opposite side. To saw the end of a log supported off the ground, first saw up from the bottom one-third through the log then finish by sawing down from the top. To saw a log in the middle of two supports holding it off the ground, first saw down from the top one-third through the log then finish by sawing up from the bottom.

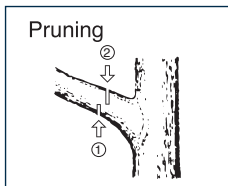


**CAUTION.** Avoid cutting into the ground as this will very quickly dull the saw chain.

## Pruning

Pruning is the removal of a limb or branch from a standing tree.

**WARNINGS.** Do not use an unstable foothold or ladder. Do not overreach. Do not saw above shoulder height. Always use both hands to hold the saw.



First cut up from the bottom and finish down from the top.

## Maintenance

**NOTE.** Before cleaning your chain saw or carrying out any maintenance procedure, make sure that the engine is off and is cool. Disconnect the spark plug to prevent accidental starting.

### Maintenance to be preformed after each use

1. Loosen the top cover knob (12) and remove the top cover (11).

2. Remove the air filter (8).
3. Split the air filter into its two halves and clean the mesh. Dry particles can be removed by tapping on a hard surface. More stubborn dirt may require washing out the filter with petrol or using an air compressor.



4. Re-assemble the two halves and replace the airfilter, top cover (11) and knob (12).

5. Take off the guide bar (1) and maintain it as follows, remove any sawdust from the groove in the guide bar.



6. Make sure that the oil port is not clogged. Grease the nose sprocket at the tip of the guide bar.



7. Check for fuel and oil leakage and loose fastenings, especially those securing the handles and the guide bar. If any defects are found, take the tool to an authorised repair centre.

8. Clean any dust away from the cooling vents as clogged vents can cause overheating.

## Chain sharpening

Sharpen the chain regularly to maintain optimum performance of the saw. Signs of a dull chain are:

- The sawdust becomes powder-like
- Extra force is required to execute a cut
- The cut does not track in a straight line
- Increased vibration
- Increased fuel consumption

**WARNING.** Wear heavy gloves when handling the chain. Hold the guide bar (1) securely in a vice.

Sharpen each cutter using the chain file (30). Always use outward strokes.



After sharpening, the cutters must all have the same width and length. After every 3-4 times use an authorised repair centre to professionally sharpen your saw chain. They have the special tools necessary to ensure the correct cutting angles and depths.

## Guide bar wear

Reverse the guide bar every 8 working hours to ensure uniform wear. Check the bar rails frequently and if necessary remove burs and square-up the rails using a flat file.









Carefully read the entire Instruction Manual before using this product.

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

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

■ GMC Product Type ■ GMC Product Code

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

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

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

The manufacturer reserves the right to change specifications without notice.

**Note:** Specifications may differ from country to country.

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Register your warranty on line at [www.gmcompany.com](http://www.gmcompany.com) and enter your receipt details.

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 products.

**Save this Manual for future reference**

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