



# **FULL BOAR**

## **53cc 20"/508mm PETROL CHAINSAW**

- **OREGON® BAR & CHAIN**
- **AUTO CHAIN LUBRICATION**
- **2 STROKE FUEL MIX 40:1**



## **INSTRUCTION MANUAL**



**WARNING:** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

## SPECIFICATIONS - MODEL NO. FBPC-5320

**Engine:** 53cc, 2-stroke

**Power:** 2.0kw

**Bar:** 508mm (20")

**Cutting length max.:** 470 mm

**Chain pitch:** 0.325" (8.255 mm)

**Chain gauge:** 0.058" (1.47 mm)

**Drive links:** 78

**No load speed:** 11,000/min

**Chain speed max.:** 21.2 m/s

**Fuel mix.:** 40:1

**Fuel tank capacity:** 550 ml

**Chain oil tank capacity:** 260 ml

**Auto choke:** No

**Sound power level Lwa:** 114 dB(A)

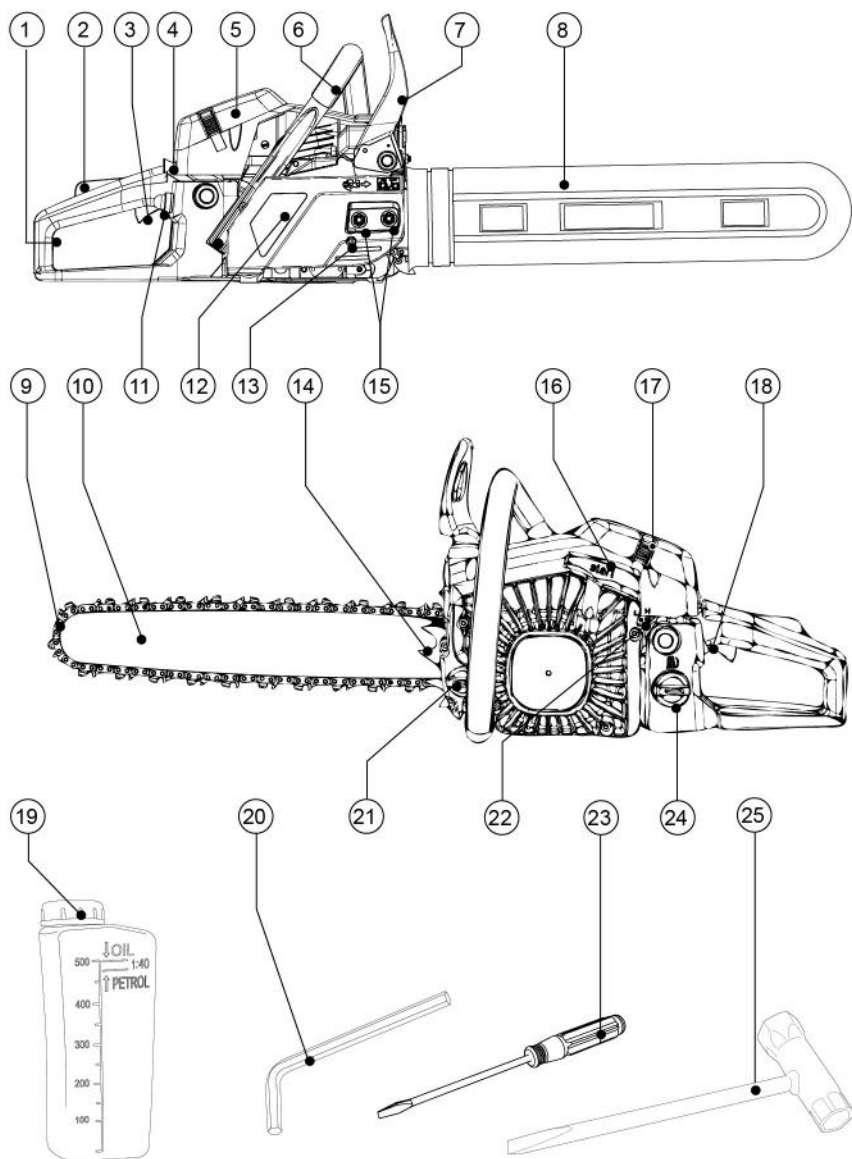
**Spark plug:** L8RTF

**Weight (tool only):** 5.40kg

## KNOW YOUR PRODUCT

1. Rear handle
2. Throttle safety release
3. Throttle trigger
4. Choke (manual control)
5. Filter cover
6. Ant-vibration handle
7. Safety chain brake
8. Chain & bar cover
9. Oregon® chain
10. Oregon® guide bar
11. Priming bulb
12. Side cover
13. Chain tension screw
14. Bucking spikes
15. Side cover nuts x 2
16. Recoil starter
17. Filter cover clip x 2
18. Ignition switch
19. 2-Stroke fuel mixing bottle
20. Hex key
21. Chain bar oil cap
22. Idle adjusting screws
23. Screwdriver
24. 2-Stroke fuel tank cap
25. Multi-tool

## KNOW YOUR PRODUCT (cont.)



## TABLE OF CONTENTS

SPECIFICATIONS.....	Page 02
KNOW YOUR PRODUCT.....	Page 02
INTRODUCTION.....	Page 05
SAFETY INSTRUCTIONS.....	Page 05
ASSEMBLY.....	Page 10
SET-UP & PREPARATION.....	Page 13
OPERATION.....	Page 16
APPLICATIONS.....	Page 19
MAINTENANCE.....	Page 21
TROUBLESHOOTING.....	Page 25
DESCRIPTION OF SYMBOLS.....	Page 26
CONTENTS.....	Page 27
WARRANTY.....	Page 28

## INTRODUCTION

Congratulations on purchasing a Full Boar Petrol Chainsaw. Your Full Boar Petrol Chainsaw FBPC-5320 is ideal for effortless cutting of large logs up to 470mm in diameter, preparing firewood, felling trees and trimming tree branches. Featuring a high performance 53cc full crank 2-stroke engine, together with easy pull start and primer system enables easy, user friendly starting.

## SAFETY INSTRUCTIONS



**WARNING!** When using mains-powered equipment, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electric shock, personal injury and material damage.

Read and understand the manual prior to operating this tool.

Save these instructions and other documents supplied with this tool for future reference.

The manufacturer cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety information.

## GENERAL SAFETY WARNINGS

### RISK OF EXPLOSION OR FIRE

#### What can happen:

- Spilled petrol and its vapours can become ignited from cigarette sparks, electrical arcing, exhaust gases and hot engine components such as the muffler.
- Heat will expand fuel in the tank which could result in a fire.
- Operating the tool in an explosive environment could result in a fire.
- Muffler exhaust heat can damage painted surfaces, melt any materials sensitive to heat (such as siding plastic, rubber or vinyl) and damage live plants. Keep hot tool away from other objects.
- Improperly stored fuel could lead to accidental ignition. Fuel improperly secured could get into the hands of children or other unqualified persons.

#### How to prevent it:

- Shut off engine and allow it to cool before adding fuel to the tank.
- Use care when filling the tank to avoid spilling fuel. Move tool away from fuelling area before starting engine.
- Keep maximum fuel level 20mm below top of tank to allow for expansion.
- Operate and refuel in well ventilated areas free from obstructions. Never re-fuel indoors.
- Store fuel in a approved container (AS/NZS 2906-1999) for petrol. Store in a secure location away from the work area. Make sure the container is clearly marked "fuel".



## GENERAL SAFETY INSTRUCTIONS (cont).

### RISK TO BREATHING

#### What can happen:

- Breathing exhaust fumes can cause serious injury or death.

#### How to prevent it:

- Operate tool in a well ventilated area. Avoid enclosed areas.
- Never operate unit in a location occupied by other people or animals.

### SAVE THESE INSTRUCTIONS

#### 1) Work area

- a) Keep work area clean and well lit. Cluttered and dark areas invite accidents.**
- b) Do not operate petrol 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 petrol 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 petrol 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 petrol tool may result in personal injury.
- d) Do not overreach. Keep proper footing and balance at all times.** This enables better control of the petrol 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) Petrol tool use and care

- a) Do not force the petrol tool. Use the correct petrol tool for your application.** The correct petrol tool will do the job better and safer at the rate for which it was designed.
- b) Do not use the petrol tool if the switch does not turn it on and off.** Any petrol 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 petrol tools.** Such preventive safety measures reduce the risk of starting the petrol tool accidentally. Hair can be caught in moving parts.

## GENERAL SAFETY INSTRUCTIONS (cont).

- d) **Store idle petrol tools out of the reach of children and do not allow persons unfamiliar with the petrol tool or these instructions to operate the petrol tool.** Petrol tools are dangerous in the hands of untrained users.
  - e) **Maintain petrol tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the petrol tool's operation.** If damaged, have the petrol tool repaired before use. Many accidents are caused by poorly maintained petrol 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 petrol tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of petrol tool, taking into account the working conditions and the work to be performed.** Use of the petrol tool for operations different from intended could result in a hazardous situation.
  - h) **This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge,** unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
  - i) **Children should be supervised to ensure that they do not play with the appliance.**
- 4) Service**
- a) **Have your petrol tool serviced by a qualified repair personnel using only identical replacement parts.** This will ensure that the safety of the petrol tool is maintained.

## CHAINSAW SAFETY WARNINGS



**WARNING!** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

**Note: For safety reasons the chainsaw 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 chainsaw to cut only wood.

It is advisable to provide a support for the chainsaw when cutting branches. Do not cut using the bar point and beware of branches under tension.

Children under 18 must not use chainsaws.

Keep people away from the chainsaw 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 chainsaw. Use ear protection to prevent hearing injuries.

Wear safety boots when using the chainsaw.

During transport the brake must be applied to avoid accidental start-up.

Do not use the chainsaw 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 chainsaw 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 chainsaw 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.



## CHAINSAW SAFETY WARNINGS (cont.)

Protect your tool. This chainsaw is NOT WEATHERPROOF and should not be exposed to direct sunlight, high ambient temperatures, damp, wet or high humidity conditions for prolonged periods of time.

Take care not to spill fuel. When refuelling the chainsaw 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 chainsaw. Store the tool in a dry area away from flammable liquids.

Keep your distance. The chainsaw emits exhaust fumes. Ensure bystanders keep a safe distance.

Operating instructions and instructions for common cutting tasks, including the use of personal protection equipment are covered in this manual. This product has a need for adequate training which is covered in this manual.

Do not operate this machine while tired, ill or under the influence of alcohol or other drugs.

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 chainsaw.

Never fill fuel tank indoors. Never fill fuel tank when engine is running or hot. Do not smoke when filling fuel tank.

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



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

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 chainsaw 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.

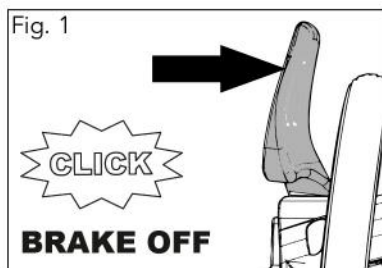
## ASSEMBLY



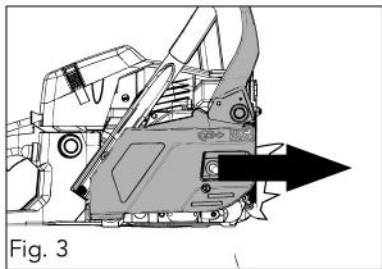
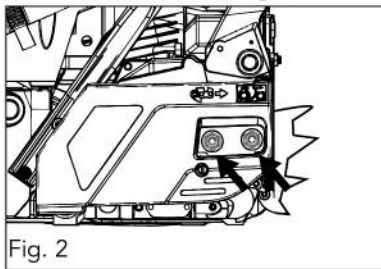
**WARNING!** Ensure the engine is off and is cool. Disconnect spark plug to prevent accidental starting.

### Fitting the chain and bar

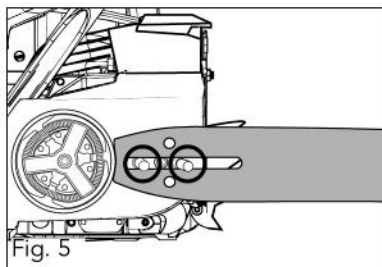
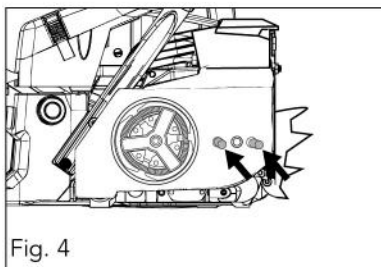
1. Ensure the safety chain brake (7) is disengaged, brake off position. (fig. 1).



2. Remove the chain drive cover nuts (15) (fig. 2) with supplied multi- tool (25) and the side cover (12) (fig. 3).



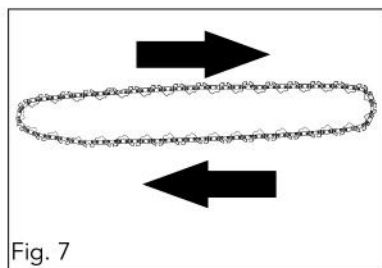
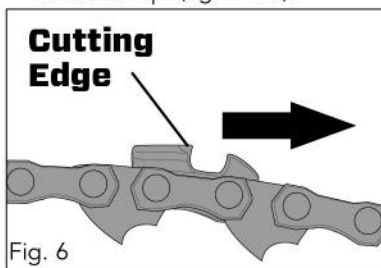
3. Fit the open end of the guide bar (10) over the guide pins (fig. 4 & 5)



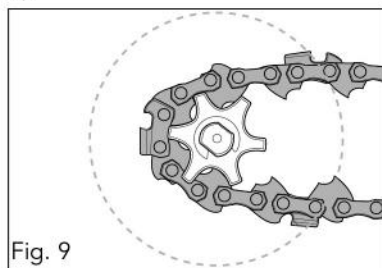
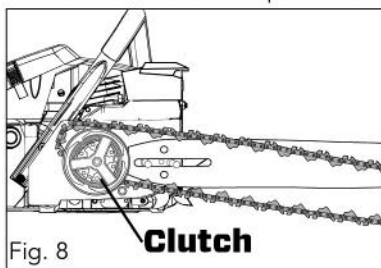
## ASSEMBLY (cont).

 **WARNING!** Wear protective gloves at all times when handling the chain (9).

4. Spread the chain (9) out in a loop with the cutting edges pointing **CLOCKWISE** around loop. (fig. 6 & 7).



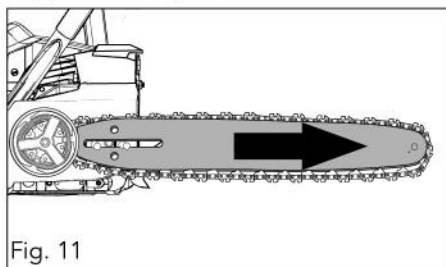
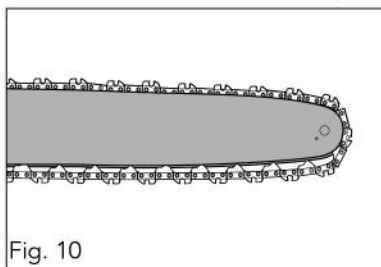
5. Slip the chain (9) behind the clutch and around the sprocket. Make sure that the links fit between the sprocket teeth. (fig. 8 & 9).



6. Guide the drive links into the groove and around the end of the guide bar (10) (fig. 10).

**Note:** The chain (9) may drop slightly on the lower part of guide bar. This is normal.

7. Pull the guide bar (10) forward until the chain is closely seated. Make sure that all the drive links are in the groove of the guide bar (fig. 11).



## ASSEMBLY (cont).

8. Correctly position the chain tensioning pin on the inside of the side cover (12) before fitting to the chainsaw (fig. 12).

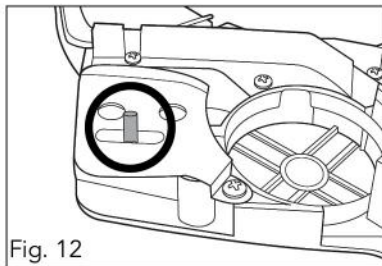


Fig. 12

9. The chain tensioning pin can be adjusted by turning the chain tension screw (13), with the multi-tool (25). When the screw is turned ANTI CLOCKWISE, the pin moves towards the rear of the chainsaw. When the screw is turned CLOCKWISE, the pin moves towards the front of the chainsaw. (fig. 13).

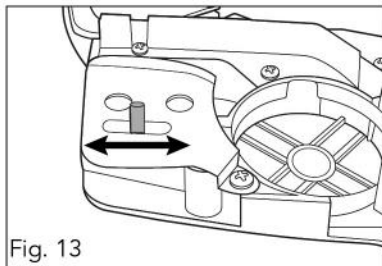


Fig. 13

10. Place the side cover (12) onto the chainsaw. Make sure that the chain tensioning pin fits into the guide bar (10) (fig. 14). If it does not fit, it can be adjusted slightly with the chain tensioning screw (13). The chain (9) must not slip off the guide bar (10) when you do this.

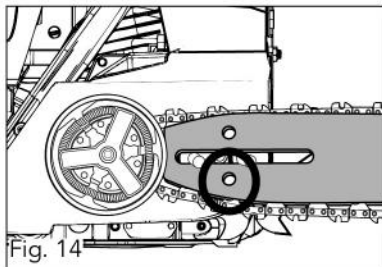


Fig. 14

11. Using your finger, loosely fit side cover nuts (15) (fig. 15) and adjust chain (9) to correct tension. (see **Adjusting chain the tension** on next page).

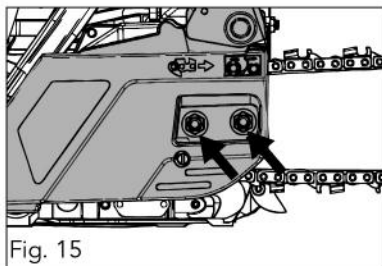


Fig. 15

## SET-UP & PREPARATION

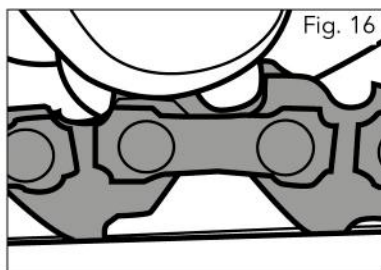
### Adjusting the chain tension



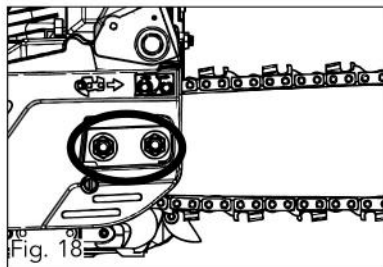
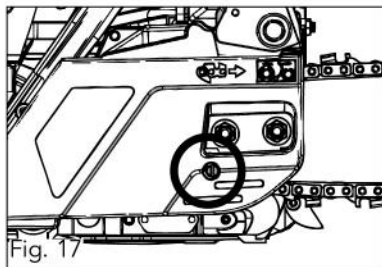
**WARNING!** Wear protective gloves at all times when handling the chain (9).

Proper tension of the chain (9) is extremely important and must be checked before starting, as well as during any cutting operation. Taking the time to make adjustments to the chain (9) will result in improved cutting performance and prolonged chain life.

**Note:** For the correct chain tension, pull up on the chain (9) from the top and middle of the exposed guide bar (10). The bottom tip of the links should only just stay in the track (fig. 16).



1. Loosen, but do not remove the side cover nuts (15).
2. With the multi-tool (25) adjustment chain tension screw **CLOCKWISE** to increase chain tension. Turning screw **COUNTERCLOCKWISE** will decrease amount of tension on the chain (9). Adjust the chain tension screw (13) for the correct tension (fig. 17).
3. After making the adjustment, using the multi-tool (25) tighten the chain drive cover nuts (15) securely (fig. 18).



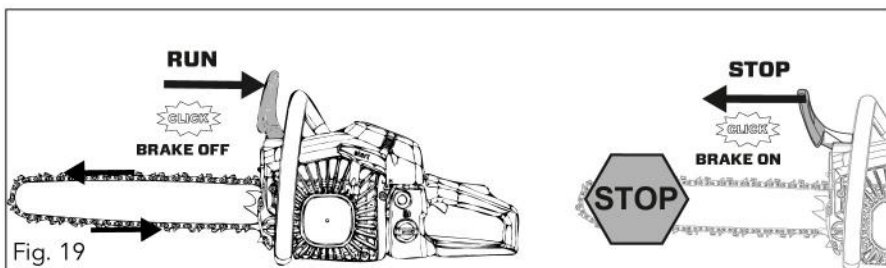
**WARNING!** Recheck the tension after a few minutes of cutting as the chain may stretch after initial use. A loose chain may cause wear to both the chain and the guide bar and become a major safety hazard.



## SET-UP & PREPARATION (cont.)

### Chain brake/anti-kickback guard

The safety chain brake (7) operates automatically in the event of kick back. Kick back occurs if the chain (9) catches on the wood being cut. In the event of the chain catching, the chainsaw will push back suddenly, when this happens, your hand (which is on the anti-vibration handle (6) during operation) will naturally move forward automatically causing the safety chain brake (7) to be pushed forward, engaging the safety chain brake (7) and stopping the chain (9).



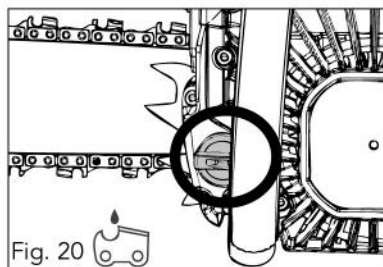
### Lubrication.



**WARNING!** Only use oil that is expressly labelled "Chain Bar Oil"

1. Remove the chain bar oil cap (21) and fill the tank to about 80% of its capacity with chain bar oil (fig. 20). Chain oil tank capacity: 260 ml

2. Fasten the chain bar oil cap and clean any oil spillage.



**Note:** Chain bar oil may leak if the tool is left for long periods. This is normal. If the tool is to be left unused for an extended time, drain the oil from the tool. Refill before use.



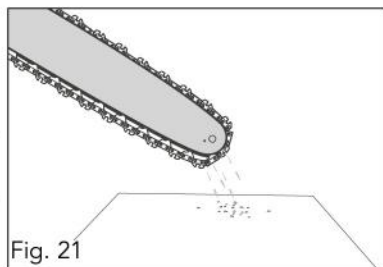
**WARNING!** Never start work unless the chain (9) and guide bar (10) are lubricated.

## SET-UP & PREPARATION (cont.)

### Automatic oil feed system

To check the lubricating system, start the chainsaw and hold it with the guide bar (10) and chain (9) above some light coloured paper such as newspaper. A steadily increasing stain caused by oil spray shows the lubricating system is working.

**Note:** The oil outlet must be kept clear of dirt and any build-up of residue.



### Engine fuel: mix at 40:1 only



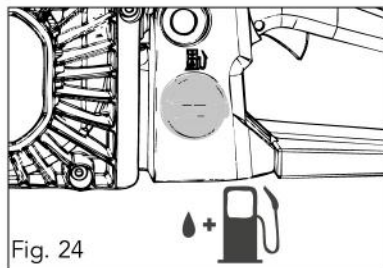
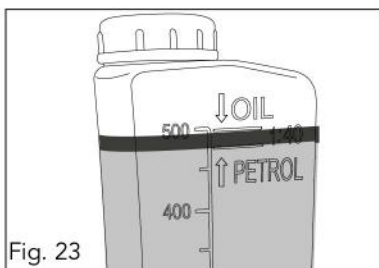
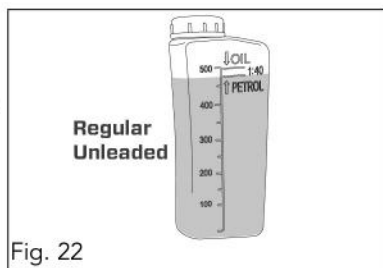
**WARNING!** Petrol is very flammable. Do not smoke near or cause any sparks or flames near fuel. Make sure that you stop the engine and allow it to cool before refuelling the chainsaw. Select an open outdoor area for fuelling and move at least 3 metres away from the fuelling point before starting the engine.

**Note:** Only use oil that is expressly labelled for use with air-cooled 2-stroke engines.

1. Fill 2-stroke fuel mixing bottle (19) with unleaded petrol up to PETROL line (fig. 22).
2. Add 2-stroke oil up to OIL line (fig. 23). Shake vigorously for a thorough mix.

**Note:** 2-stroke fuel mixing bottle (19) should only be used for mixing fuel. Always store and transport fuels in an approved container (AS2906).

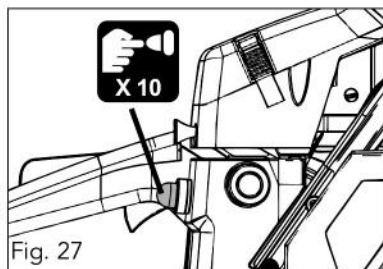
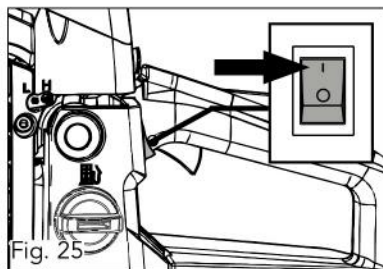
3. Remove 2-stroke fuel tank cap (24) (fig. 24) and fill tank up to the neck with fuel mix. Fuel tank capacity: 550 ml.
4. Fasten the 2-stroke fuel tank cap (24) and clean any spillage.



# OPERATION

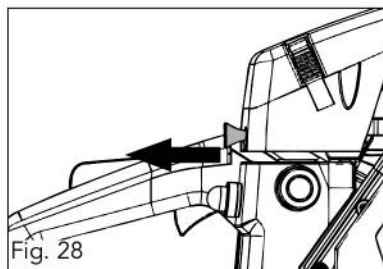
## Starting cold engine

1. Set the ignition switch (18) to On ("I") (fig. 25).
2. For safety reasons, make sure the safety chain brake (7) is ON when starting. To apply the brake, push forward (fig. 26).
3. Press the priming bulb (11) up to 10 times (fig. 27) until full of fuel.

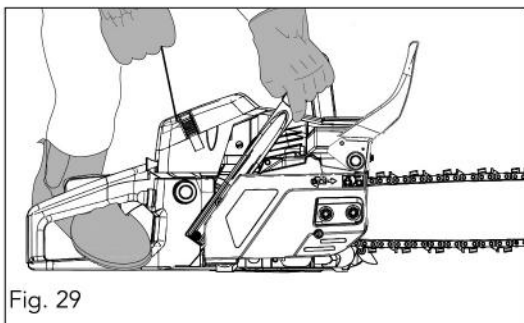


4. Pull out the choke (4) (fig. 28) (fully withdrawn).

**Note:** Pulling out the choke (4) opens the throttle valve slightly and locks that position. This increases the idle speed, and the chainsaw starts faster.



5. Hold the chainsaw securely on the ground and pull out the recoil starter (16) until you feel it start to resist. Then sharply pull recoil starter (16) several times until engine starts (fig. 29).



6. When the engine starts or starts and stops, push the choke (4) in fully and restart the engine if necessary. Allow the engine to run for 30 seconds before operation.

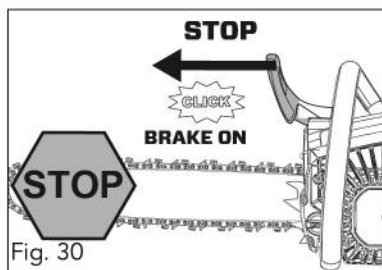
## OPERATION (cont.)

### Starting warm engine

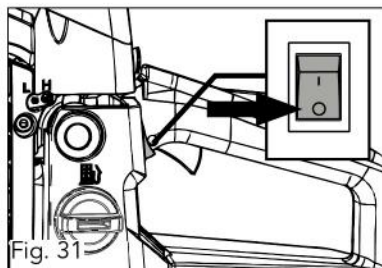
1. Set the ignition switch (18) to On ("I").
2. For safety reasons, make sure the safety chain brake (7) is ON when starting. To apply the brake, push safety chain brake (7) forward.
3. Hold the chainsaw securely on the ground and pull out the recoil starter (16) until you feel it start to resist. Then sharply pull recoil starter (16) several times until engine starts.

### Stopping the chainsaw

1. Engage chain brake (fig. 30).

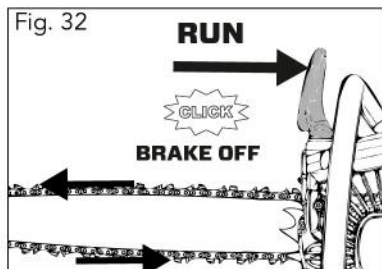


2. Set the ignition switch (18) to Off ("0") position (fig. 31).

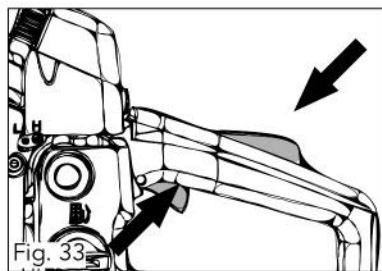


### Cutting

1. When ready to start cutting, release the brake, by pulling the safety chain brake (7) back firmly towards the rear of the chainsaw (fig. 32).

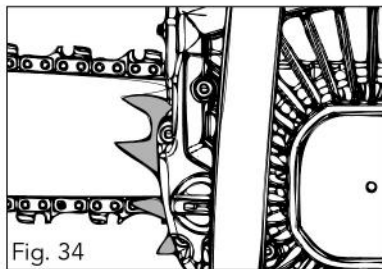


2. Depress throttle safety release (2), then depress throttle trigger (3) (fig. 33). The chain will now be running, ready to make a cut.



3. Press the bucking spikes (14) (fig. 34) against the timber ensuring the chain (9) is not making contact with the material being cut.

**Note:** The chainsaw has bucking spikes (14) to assist with cutting and reduce the chance of kickback. Keep the bucking spikes (14) touching the wood you are cutting. Due to the rotation of the chain (9), it will pull the saw into the wood. When the bucking spikes are touching the timber, it will help prevent any sudden jerking or kick-back.



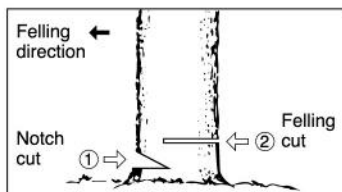


## APPLICATIONS

### Felling a tree

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

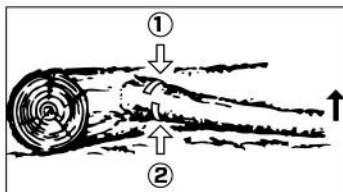
Decide the direction in which you wish the tree to fall, taking into account the direction of the wind, the position of branches, lean of the tree, ease of subsequent limbing and bucking and other factors prevalent at the time.



### Limbing

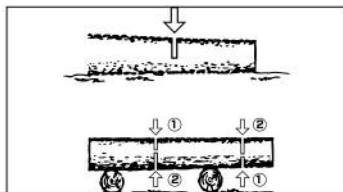
**!** **WARNING!** Always keep a balanced stance. Do not stand on the log. Be alert to the fact that the log may roll over. When working on a slope, always stand on the up hill side of the log.

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.



### 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.



**!** **WARNING!** Avoid cutting into the ground as this will very quickly dull the chain (9).

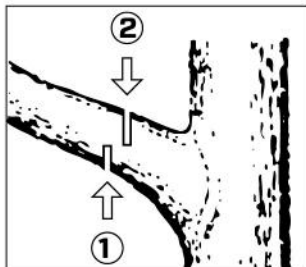
## APPLICATIONS (cont.)

### Pruning



**WARNING!** Do not use an unstable foothold or ladder. Do not overreach. Do not saw above shoulder height. Always use both hands to hold the chainsaw. First cut up from the bottom and finish down from the top.

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



### Hints & tips

- 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.
- 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.



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

## Spark plug

When the chainsaw will not start and everything has been checked, it is likely the spark plug will need replacing. The spark plug is not covered under warranty.

To replace the spark plug:

1. Remove the filter cover clips (17) and remove the filter cover (5) (fig. 35).
2. Pull the spark plug lead off the spark plug end (fig. 36).
3. Loosen (anti-clockwise) the spark plug using the larger socket side of the multi-tool (25).
4. Remove the spark plug and replace with a new one, as specified.

Spark plug types:

LD L8RTF, NGK BPMR7A, Champion RCJ6Y

5. Secure the new spark plug in position by tightening (clockwise).
6. Fix the spark plug lead ensuring it clicks in place.
7. Replace the filter cover (5) and secure with filter cover clips (17).

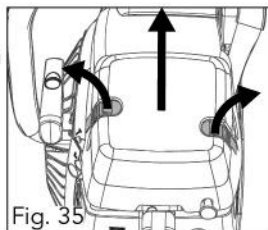


Fig. 35

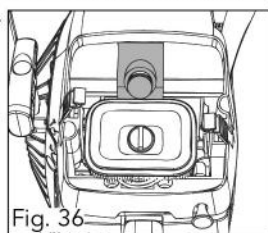


Fig. 36

## Air filter

Dust and dirt will be drawn into engine and damage it. Keep the air filter clean! The air filter must be cleaned or replaced after every 20 hours of service.

1. Remove the filter cover clips (17) and remove the filter cover (5) (fig. 35).
2. Loosen the cover knob and remove the filter assembly (fig. 37).
3. Separate the air filter from the cover (fig. 38).
4. Clean air filter, brush off any dry particles, or dislodge them by tapping the air filter on a hard surface.
5. Reassemble and refit the air filter.

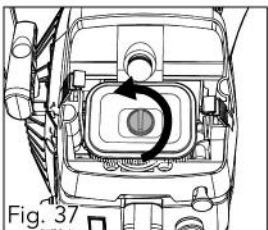


Fig. 37

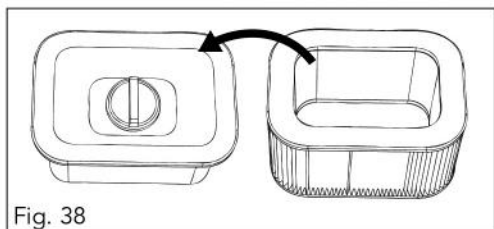


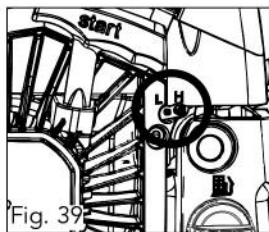
Fig. 38



**WARNING!** Never operate the chainsaw without the air filter fitted.

### Carburettor adjustment (fig. 39)

The carburettor is factory set and should not require adjustment. Changes in operating conditions may require fine tuning of the carburettor with provided screwdriver (23). Ensure the bar and chain are fitted and the engine is off before making any adjustments.



For advise on adjusting the carburettor contact our Ozito Customer Service 1800 069 486 Aus. 0508 069 486 NZ

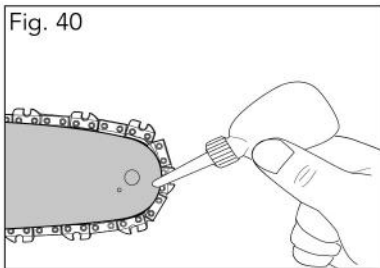
### Guide bar (fig. 40)

Most guide bar (10) problems can be prevented by keeping the chainsaw well maintained. Insufficient guide bar lubrication and operating the saw with a chain that is TOO TIGHT will contribute to rapid bar wear.

To help minimize bar wear, the following guide bar maintenance procedures are recommended.

- The bar should be reversed every 8 working hours to ensure uniform wear. Keep the bar groove and lubrication hole clean.
- Check the bar rails frequently for wear and, if necessary, remove the burs and square-up the rails using the flat file.
- Oil passages on the bar should be cleaned to ensure proper lubrication of the bar and chain during operation. Grease the nose sprocket at the tip of the guide bar.
- Remove any saw dust from the groove in the guide bar.

Fig. 40



## MAINTENANCE (cont.)

### Chain sharpening (fig. 41)

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.

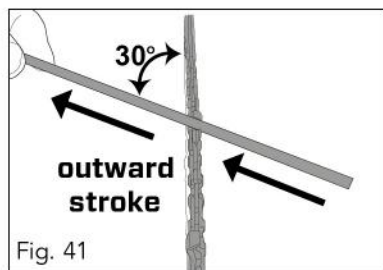


**WARNING!** Wear heavy gloves when handling the chain (9). Hold the guide bar (10) securely in a vice.

Chain File:	3/16" (4.8 mm)
Chain Pitch:	0.325" (8.255 mm)
Chain Gauge:	0.058" (1.47 mm)

Sharpen each cutter using a chain file. Always use outward strokes and maintain a 30° angle between the chain and file. After sharpening, the cutters must all have the same width and length.

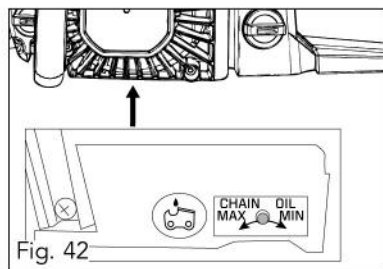
After every 3-4 uses get an authorised repair centre to professionally sharpen your chain. They have the special tools necessary to ensure the correct cutting angles and depths.



### Automatic oil feed system (fig. 42)

It is possible to adjust the flow rate of the chain bar oil if it is not supplying a sufficient quantity of oil to the chain.

1. Turn the saw onto its side.
2. Using the screwdriver (23), adjust the oil feed by rotating clockwise to decrease the flow of oil, or rotating anti-clockwise to increase the flow of oil.
3. Test the operation of the automatic oil feed system to ensure sufficient oil is being supplied to the chain. (Refer to the "Set-Up Preparation" section page 15 for instructions on how to test **automatic oil feed system**).





## MAINTENANCE (cont.)

**Note:** The chainsaw warranty does not cover components that have been subjected to operator abuse or negligence. To receive full value from the warranty, the operator must maintain the chainsaw as instructed in this manual.

Ozito Industries will not be responsible for any damage or injuries caused by the repair of the chainsaw by an unauthorised person or by mishandling of the chainsaw.

## TROUBLESHOOTING

Problem	Possible Cause	Remedy
<b>The engine does not start.</b>	Ignition switch (18) in Off ("0") position.	The chainsaw will only start if the switch is in the On ("I") position
	Incorrect fuel mix.	Use fresh unleaded fuel and 2-stroke oil in 40:1 mix.
	No fuel in fuel tank	Have you put fuel mix into the fuel tank and not the bar oil tank? If so you will need to drain & refill correctly.
	Priming bulb (11) has no fuel.	The priming bulb must be full to start the chainsaw. To do so press the bulb 10 times or until the bulb is full of fuel.
	Spark plug lead.	The spark plug is to be in firm contact with the lead.
<b>Chainsaw wont cut.</b>	Safety chain brake (7) engaged.	The chain (9) will not rotate unless the chain brake is disengaged. Pull safety chain brake backwards firmly to disengage brake.
	Throttle safety released (2) not depressed	Once started for the chainsaw to run you must depress the throttle safety release and throttle trigger (3).
	No oil in the chain bar oil tank.	Fill chain bar tank with chain bar oil.
	Blunt chain (9)	Ensure the chain is checked regularly to maintain optimum performance. Replace or sharpen chain.

## DESCRIPTION OF SYMBOLS

<b>cc</b>	Cubic Centimeters (the standard measure of displacement in Europe and Asia)		
<b>No</b>	No load speed		
<b>/min</b>	Revolutions or reciprocation per minute		
	Decibel level		Read the manual prior to use
			Regulatory Compliance Mark (RCM)
	Wear safety boots		Use both hands when using chainsaw
	Wear safety gloves		Use eye, ear, head and breathing protection when operating the chainsaw
	Warning		Be aware of moving branches
	Fuel inlet		Chain oil inlet
	On/Off (Position: next to throttle trigger) Setting the On/Off switch to Off, stops the engine immediately		CHOKE Start position (when engine is cold) RUN Run position
	Pull recoil starter to start motor	<b>H</b> <b>L</b> <b>T</b>	High run adjustment screw Low run adjustment screw Idle adjustment screw (Position: left side of machine close to pull start handle)
	Choke control (Position: above priming bulb)		Do not use chainsaw when only holding with one hand
	Chain brake released (hollow arrow) and activated (solid arrow) (Position: right side of machine, on chain drive cover)		

## CARING FOR THE ENVIRONMENT



Power tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.



Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority for recycling advice.

# CONTENTS

- 1 x Chainsaw
- 1 x Guide bar
- 1 x Chain
- 1 x Chain & bar cover
- 1 x 2-Stroke fuel mixing bottle
- 1 x Hex key
- 1 x Screwdriver
- 1 x Multi-tool

**Note:** The manufacturer's liability shall be deemed void if the machine is modified in any way and the manufacturer shall therefore accept no liability for any damages arising as a result of modifications.

Distributed by:  
Ozito Industries Pty Ltd

**AUSTRALIA (Head Office)**

1-23 Letcon Drive, Bangholme Victoria, Australia, 3175

Telephone: 1800 069 486

# WARRANTY

**YOUR WARRANTY FORM SHOULD BE RETAINED BY YOU AT ALL TIMES. IN ORDER TO MAKE A CLAIM UNDER THIS WARRANTY YOU MUST RETURN THE PRODUCT TO YOUR NEAREST BUNNINGS WAREHOUSE (see [www.bunnings.com.au](http://www.bunnings.com.au) or [www.bunnings.co.nz](http://www.bunnings.co.nz) for store locations) WITH YOUR BUNNINGS REGISTER RECEIPT. PRIOR TO RETURNING YOUR PRODUCT FOR WARRANTY PLEASE TELEPHONE OUR CUSTOMER SERVICE HELPLINE:**

**Australia 1800 069 486  
New Zealand 0508 069 486**

TO ENSURE A SPEEDY RESPONSE PLEASE HAVE THE MODEL NUMBER AND DATE OF PURCHASE AVAILABLE. A CUSTOMER SERVICE REPRESENTATIVE WILL TAKE YOUR CALL AND ANSWER ANY QUESTIONS YOU MAY HAVE RELATING TO THE WARRANTY POLICY OR PROCEDURE.

## 1 YEAR WARRANTY

Your product is guaranteed for a period of **12 months from the original date of purchase**. If a product is defective it will be repaired in accordance with the terms of this warranty. Warranty excludes consumable parts, for example: wheels, bearings.

The benefits provided under this warranty are in addition to other rights and remedies which are available to you under law. The warranty covers manufacturer defects in materials, workmanship and finish under normal use.

Our goods come with guarantees that cannot be excluded under Australian Consumer law & Consumer Guarantees Act 1993 (NZ). You are entitled to a replacement or refund for a major failure and to compensation for other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired and replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

## WARRANTY EXCLUSIONS

**The following actions will result in the warranty being void.**

- If the tool has been operated on a supply voltage other than that specified on the tool.
- If the tool shows signs of damage or defects caused by or resulting from abuse, accidents or alterations.
- Failure to perform maintenance as set out within the instruction manual.
- If the tool is disassembled or tampered with in any way.
- The warranty excludes damage resulting from product misuse or product neglect.

**This warranty is given by Ozito Industries Pty Ltd.**

**ABN: 17 050 731 756**

**Ph.1800 069 486**

Australia/New Zealand (Head Office)  
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