

**DRAPER**

**EN**

Original Instructions  
Version 1 - November 2025

# PETROL **CHAINSAWS**

**30273/30274**

Stock No: 30273



Stock No: 30274



**UK  
CA** **CE**

# 1. Preface

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These are the original product instructions. Read the instruction manual in full and retain for future reference.

Please visit [drapertools.com/manuals](http://drapertools.com/manuals) for the latest version of this manual and the associated parts list, if applicable.

## 1.1 Product Reference

**User Manual for:** Petrol Chainsaws

**Stock No:** 30273, 30274

**Part No:** DTP06, DTP07

## 1.2 Revisions

**Version 1:** November 2025

First release

As our manuals are continually updated, always ensure that the latest version is used.

Please visit [drapertools.com/manuals](http://drapertools.com/manuals) for the latest version of this manual and the associated parts list, if applicable.

## 1.3 Understanding the Safety Content of This Manual



**WARNING!** – Situations or actions that may result in personal injury or death.



**CAUTION!** – Situations or actions that may result in damage to the product or surroundings.

**Important:** – Information or instructions of particular importance.

## 1.4 Copyright © Notice

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# 3. Product Introduction

## 3.1 Intended Use

This petrol chainsaw is designed for general lopping, cutting branches/limbs and felling of trees.

Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no

responsibility for improper use of this product.

Read this manual in full before attempting to assemble, operate or maintain the product, and retain it for later use.

## 3.2 Specification

Stock No.	30273	30274
Part No.	DTP06	DTP07

<b>Engine:</b>		
Type:	2-stroke air cooling single cylinder	2-Stroke air cooling single cylinder
Max. power:	1800W	2200W
Displacement:	45cc	50.9cc
Idle speed:	3,000±300rpm	3,000±300rpm
Max. speed (under load):	8,500rpm	8,500rpm
Max. speed (no load):	11,000rpm	11,000rpm

<b>Fuel/Oil mix:</b>		
Fuel/oil mix ratio:	40:1	40:1
Capacity:	550ml	550ml
Petrol type:	E10 (95RON)	E10 (95RON)
Oil type/grade:	2-stroke motor oil, JASO FC minimum	2-stroke motor oil, JASO FC minimum

<b>Chain Lubrication oil:</b>		
Capacity:	260ml	260ml
Grade:	ISO 100	ISO 100

<b>Chain:</b>		
Specified pitch:	8.3mm (0.325")	8.3mm (0.325")
Specified drive link gauge:	14.7mm (0.58")	14.7mm (0.58")
Drive links number:	72	76
Guide bar length:	450mm (18")	500mm (20")
Chain speed	14,300rpm	14,300rpm

<b>Noise emissions:</b>		
Sound pressure level (LpA):	96.99dB(A)	96.99dB(A)
Sound power level (LwA):	117.67dB(A)	117.67dB(A)
Uncertainty (K):	3dB(A)	3dB(A)
Guaranteed sound power level:	120dB(A)	120dB(A)

<b>Vibration level:</b>		
Front handle:	12.005 m/s <sup>2</sup>	12.005 m/s <sup>2</sup>
Rear handle:	17.049 m/s <sup>2</sup>	17.049 m/s <sup>2</sup>
Uncertainty (K):	1.5 m/s <sup>2</sup>	1.5 m/s <sup>2</sup>
Net weight:	6.2kg	6.5kg

**Important:** The declared vibration total values and noise emissions values have been measured in accordance with a standard test method and may be used for comparing one tool with another. These values may also be used in a preliminary assessment of exposure.

\*Draper Tools recommends using an additive or stabiliser with E10 petrol so the fuel can be safely stored in the fuel tank for longer.



**WARNING!** The vibration and noise emissions during actual use of the product can differ from the declared values depending on the type of work and the area upon which it is used. Before each use, estimate the likely exposure resulting from the actual conditions of use. Take into account all parts of the operation cycle in order to identify any safety measures required to protect the operator.

## 4. Health and Safety Information



**WARNING! DANGER OF DEATH!** Chainsaws pose a significant health and safety risk, even to careful and informed operators. The dangers of using and applying a chainsaw should not be taken lightly. Seek guidance, training or employ a professional to carry out the task if uncertain or nervous of the potential risk and dangers involved.

**Important:** Read all the Health and Safety instructions before attempting to operate, maintain or repair this product. Failure to follow these instructions may result in injury or damage to the user or the product.

### 4.1 General Health and Safety Precautions

- **NEVER** modify the chainsaw in anyway.
- Before use, inspect the chainsaw for wear and any damage. Inspect and check the following:
  - Guide bar rail for cracks and distortion.
  - Condition and operation of the sprocket teeth, drive sprocket and chain tension.
  - Operation of the chain brake.
- **NEVER** operate the chainsaw alone in case of an emergency. Have an assistant in visual/communication range.
- Ensure the work area is assessed for potential risks and bystanders are kept at a safe working distance. Keep bystanders at a minimum of 10M away from the work area.
- In case of accident, ensure that emergency services can be contacted, and adequate information is available to facilitate an urgent recovery.
- **ALWAYS** carry a basic first aid kit containing large wound dressings.
- Check and identify any gas, water, electric, phone services etc. particularly overhead before using the chainsaw.

- Ensure a distance of a least twice the tree height is observed from all obstacles and dangers.
- Tree felling must only be carried out by a single individual and only after the danger zones and escape routes have been identified and cleared.
- **DO NOT** fell trees when wind conditions may influence/control the direction.
- Close observation and inspection of dead or diseased wood and insecure limbs and branches must be carried out prior to any cutting. Dead wood can cause unexpected reactions during felling.
- Remove any scrub or other obstructions from the area to enable a quick escape and ensure visibility of the chain is not impeded during cutting.
- If working is being carried out due to wind damage, ensure no unstable trees or limbs pose any further damage.
- **NEVER** stand on anything other than the ground.
- When preparing to work on the ground, e.g. cross cutting or limbing, ensure no obstacles are hidden or obscured from view. Contact with such an object can result in loss of footing or kickback from the chainsaw.
- **ALWAYS** maintain the chainsaw in good working order and regularly serviced by an authorised service agent. Only use replacement parts recommended by Draper Tools.

### 4.2 Specific Health and Safety for Saw Operation

- **DO NOT** operate the chainsaw without being completely familiar with all the safety aspects, functions and how to stop the chainsaw in an emergency.
- **DO NOT** operate the chainsaw above shoulder height.

- Regularly clear the cut material as it builds up to prevent a hazard under foot.
- **NEVER** use the chainsaw if the stop switch is faulty or not functional.
- Ensure the chain does not rotate when the saw is idle.
- **NEVER** operate the chainsaw with a maladjusted or blunt chain as this is highly dangerous.
- Prior to each use inspect the chainsaw for damage. Ensure all safety features and mechanisms especially the chain brake is functioning correctly and that the cutting means is of the type and design as specified by the manufacturer.
- Adopt a secure and balance stance and hold the saw close into your body for balance.
- Maintain a good grip with both hands on the saw. The chainsaw is designed for operation only of the rear handle by the right hand and the front handle by the left hand. Grip the front handle with the left thumb underneath to allow resistance in case of kickback.
- **ALWAYS** stop the chainsaw before setting it aside.
- **DO NOT** set a hot chainsaw down on or near easily combustible materials e.g. dry leaves or grass.
- Only begin cutting with throttle at maximum speed.
- Operate the chain brake before moving with the saw. If moving more than a short distance stop the saw and refit the bar guard.
- **DO NOT** attempt to use the chainsaw if tired, ill or under the influence of alcohol or other drugs.

 **WARNING! DO NOT touch the hot engine parts, in particularly the exhaust muffler during and after use.**

### 4.3 Personal Protective Equipment (PPE)

- **ALWAYS** wear appropriate Personal Protective Equipment (PPE) specifically designed for use with a chainsaw as follows: Safety helmet (**BS EN 397** or **BS EN 14052**) with mesh visor (**BS EN ISO 16321-3**) to protect against falling or thrown debris.
- Hearing protection (**BS EN 352**) – ear defenders to protect against the high level of noise generated.
- Gloves (**BS EN ISO 11393-4**) with protective guard on back of left hand to defend against chain whip in the event of a breakage.
- Leg protection (**BS EN ISO 11393-2**) with a chain clogging material designed to stop the chain before it

penetrates fully through and into the flesh.

- Non-slip foot protection (**BS EN ISO 20345** or **BS EN ISO 17249**) – safety boots with a good non slip tread incorporating protection to toes and shins.
- High visibility close fitting jacket.
- Gloves, boots and leg protection should be marked with the symbol (shown) and indicate the chain speed to which they have been tested.
- Due to the nature and ferocity of a petrol driven chainsaw, no PPE can provide 100% protection against chainsaw cuts.



### 4.4 Kickback and Pull Away Risks (Fig.A)

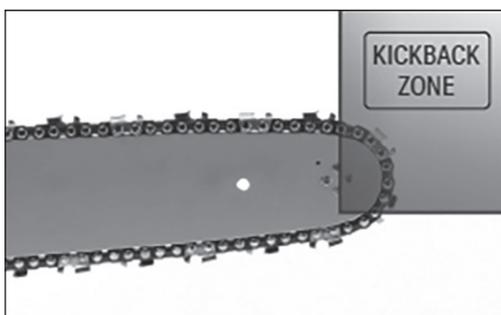


Fig.A

- Kickback occurs when the chainsaw is stopped suddenly, resulting in the tip or the guide bar being violently thrown up towards the operator's head/face. Correct stance and knowledge of the operating procedure can greatly reduce the risk.
- Kickback is the most common hazard associated with chainsaws and can result in serious injuries, and even fatalities.
- This chainsaw model is fitted with an inertia activated chain brake and a manually triggered chain brake. In the event of a strong kickback, inertia generated will release the brake lever and trigger the chain brake.
- In the event of a less severe kickback, the chain brake lever will activate on the operator's left hand side, hence the necessity to operate two handed.
- To avoid kickbacks occurring, **DO NOT** use the tip of the guide bar and take note of foreign objects and other branches/limbs close to the cutting areas.
  - **ALWAYS** make the initial cut on the tension surface of the timber and use non metal spread wedges to avoid the timber pinching the chain.

- Start cutting at full speed and ensure the body of the saw and spiked bumper are against the timber.
- Cut only one piece of timber at a time and assess the tension is correct.
- Use of a low kickback saw chain is advised to reduce the chance of kickback occurring.
- **DO NOT** cut above shoulder height.
- **Type of Kickback Risks/Dangers:**
  - If the chain becomes pinched or snags in the kickback zone of the guide bar this can result in chain movement in the opposing direction on the guide bar.
  - If the chain along the top of the guide bar becomes pinched this can result in the chainsaw being force backwards through the guide bar and forced horizontally back towards the user.
- As well as kickback there is also a risk of the chainsaw pulling away due to the chain pinching along the bottom of the guide bar as it returns to the power head. This can result in the chainsaw being pulled from the operator's hands.
- Additional to kickback, there is a risk of skating or bouncing which can lead to a loss of control if the initial incision moves sideways along the timber.

### 4.5 Health & Safety Information for the use of Fuels



**WARNING! During use, parts of this product become hot enough to ignite some materials.**

- **DO NOT** touch the engine or exhaust during or immediately after use and allow it to cool before refuelling.
- **NEVER** remove the fuel cap while the engine is running or immediately after use.
  - Take care when opening the fuel cap after use as hot vapour may be released from the opening.
- **NEVER** place objects on the engine while it is in use and keep all air vents clear of dust, dirt and other obstructions.
- Faulty exhausts must be replaced.
- **NEVER** store the machine with fuel in the tank inside any structure where petrol fumes could reach an open flame or spark.
- To reduce the risk of fire, keep the engine, exhaust and petrol storage area free from vegetation and excessive grease.



**WARNING! Petrol is highly flammable:**

- Store fuel in containers specifically designed for this purpose.
- **NEVER** use this product in environments where there is a risk of explosion.
- **NEVER** smoke in the vicinity of the machine.
- Refuel outdoors only and do not smoke while refuelling.
- Add fuel before starting the engine; never remove the cap of the fuel tank or add petrol while the engine is running or when the engine is hot.
- **NEVER** start the engine if you can smell petrol vapour in the air.
- If petrol is spilled, **DO NOT** attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until petrol vapours have dissipated.
- Replace all fuel tank and container caps securely.

**Important:** E10 petrol is hygroscopic and attracts moisture. It is recommended to use an additive or stabiliser with E10 petrol to extend the period that it can be safely stored in the fuel tank. **ALWAYS** read the label of any additive or stabiliser applied.



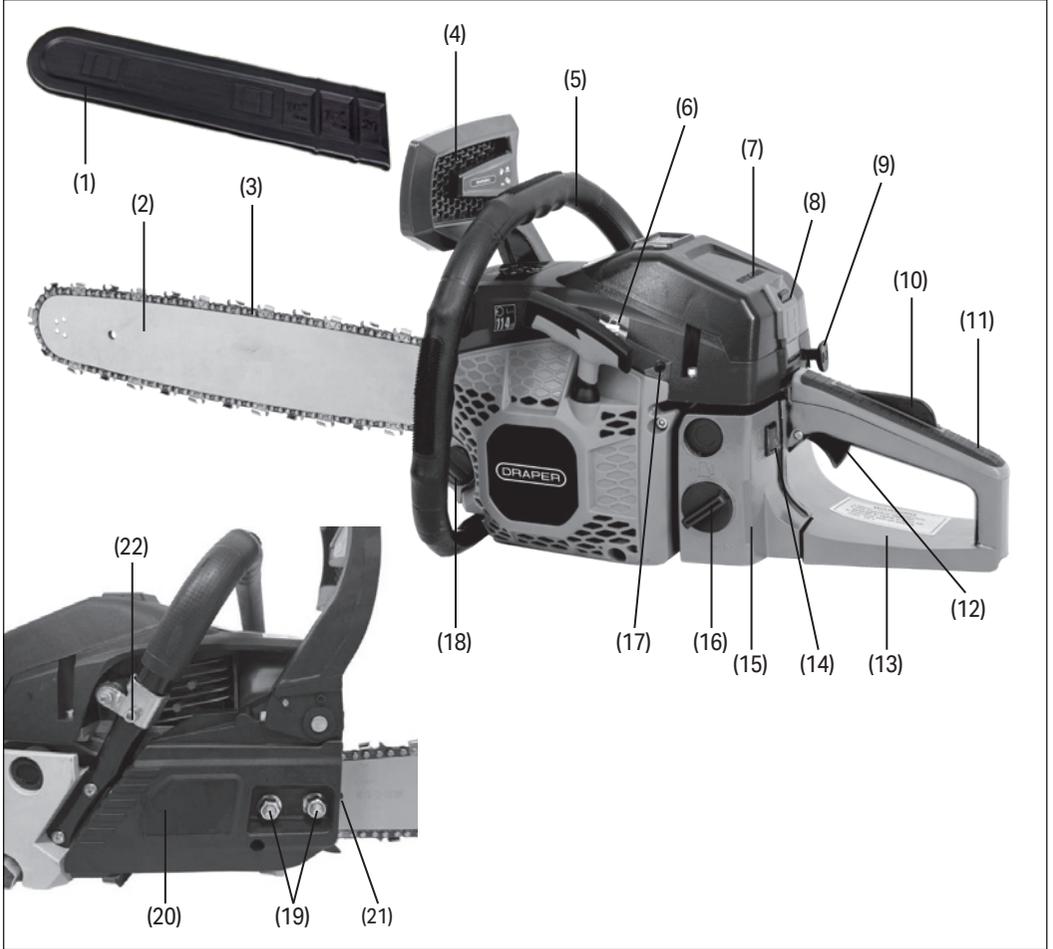
**WARNING! The machine exhaust emits toxic carbon monoxide: a colourless, odourless gas.**

- Breathing exhaust fumes can cause loss of consciousness, permanent respiratory damage and eventually death. **ONLY** operate this machine in a well-ventilated outdoor environment, well away from windows and doors. If you inhale carbon monoxide, move to a ventilated area and seek immediate medical attention.

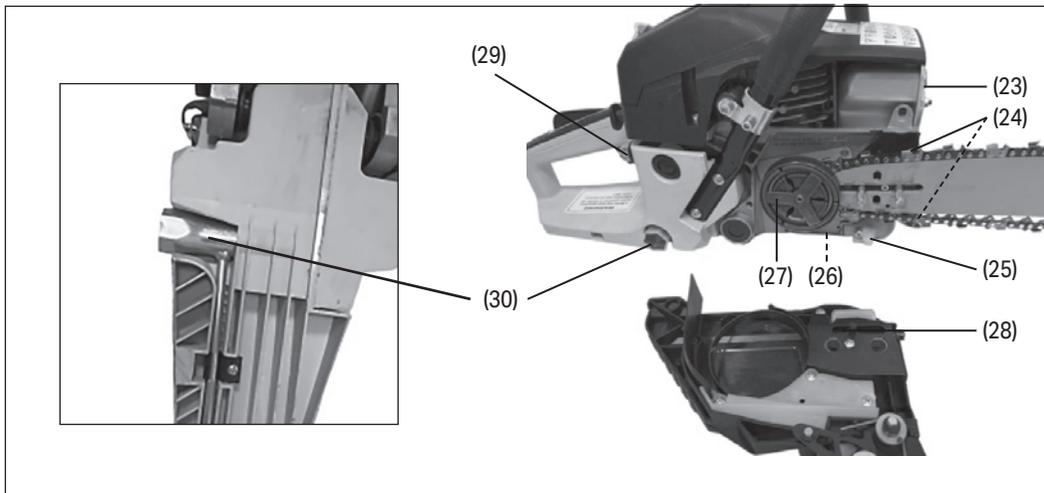
### 4.6 Residual Risk

The safety instructions in this manual cannot account for all possible conditions and situations that may occur. Exercise common sense and caution when using this product and protect against any additional conceivable risks.

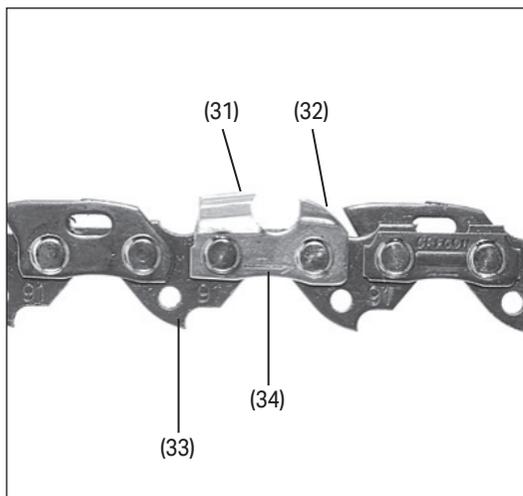
## 5.1 Product Overview



- |   |  |
|---|--|
| (1) Bar/Chain cover                       | (12) Throttle trigger                            |
| (2) Guide bar                             | (13) Rear handle guard/foot plate                |
| (3) Chain                                 | (14) On/Stop switch                              |
| (4) Chain brake level(front handle guard) | (15) Fuel tank window                            |
| (5) Front handle                          | (16) Fuel tank cap                               |
| (6) Recoil starter handle                 | (17) Carburettor set screw (idle speed adjuster) |
| (7) Air filter cover                      | (18) Chain oil tank cap                          |
| (8) Air filter cover clip                 | (19) Guide bar locking nuts                      |
| (9) Choke lever                           | (20) Clutch cover                                |
| (10) Throttle safety lever                | (21) Chain tension adjuster screw                |
| (11) Rear handle                          | (22) Front handle damping                        |



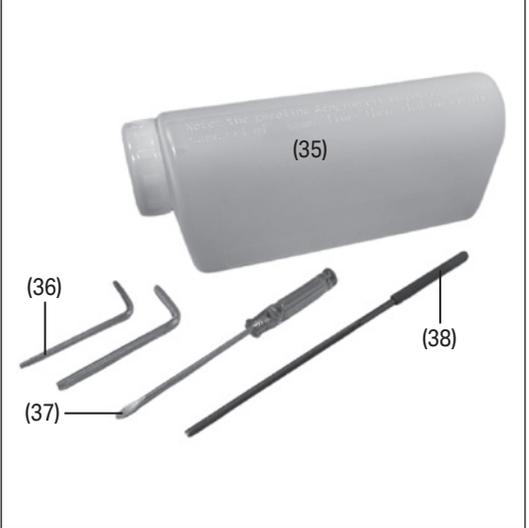
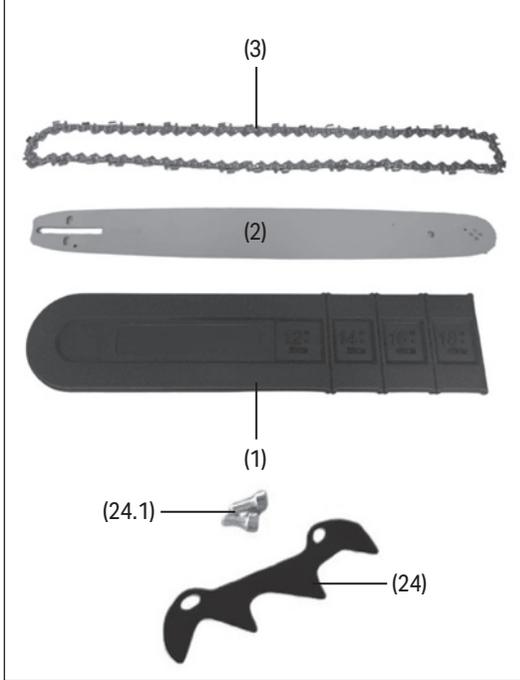
- (23) Exhaust
- (24) Spiked bumper
- (25) Chain catcher
- (26) Sprocket
- (27) Clutch
- (28) Chain tension adjuster pin
- (29) Fuel primer bulb
- (30) Combination box spanner (13mm & 19mm) storage
- (31) Cutting edge
- (32) Depth gauge
- (33) Drive link
- (34) Direction of rotation arrow



## 5.2 What's in the Box?

Carefully remove the product from the packaging and examine it for any signs of damage that may have occurred during shipment. Before assembling the product, lay the contents out and check them against the parts shown

below. If any part is damaged or missing, do not attempt to use the product. Please contact the Draper Helpline; contact details can be found at the back of this manual.



- (1) Bar/Chain cover
- (2) Guide bar
- (3) Chain
- (24) Spiked bumper
- (24.1) 2 X M8 Bolts

- (35) 1 X Mixing bottle
- (36) 2 X Hex keys (3mm & 4mm)
- (37) Plain slot screwdriver
- (38) Chain file

## 5.3 Packaging

Keep the product packaging for the duration of the warranty period in case the product needs to be returned for repair.



**WARNING! Keep packaging materials out of reach of children. Dispose of packaging correctly and responsibly and in accordance with local regulations.**

Please visit [drapertools.com](http://drapertools.com) for our full range of accessories and consumables.

**Important:** Before preparing or adjusting this product, read and understand all the safety instructions listed in this manual.

**WARNING!** DO NOT start the chainsaw before mounting and correctly adjusting the guide bar (2) and chain (3).

**Attention:** The saw chain is extremely sharp – ALWAYS wear gloves when handling.

## 6.1 Fitting the Spiked Bumper (Fig.1)

1. Fit the spiked bumper (24) to the chainsaw using the two M8 bolts. Secure using the hex key supplied.

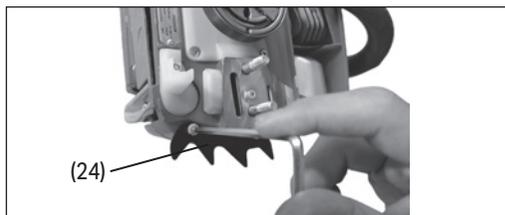


Fig.1

## 6.2 Attaching/Adjusting Guide Bar and Chain Assembly (Fig.2 – Fig.8)

1. Position the chainsaw, ensuring the chain brake is disengaged. (Fig.2).
- To disengage, push the chain brake level (4) forward.

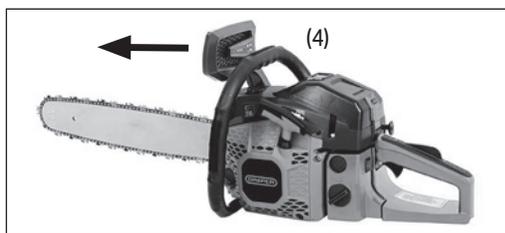


Fig.2

2. Use a spanner to remove the two guide bar locking nuts (19). Then remove the clutch cover (20). (Fig. 3)

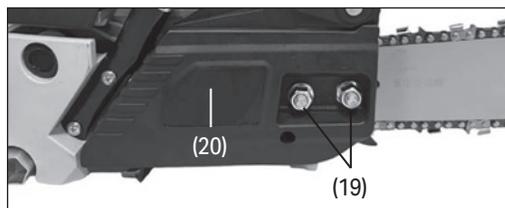


Fig.3

3. Wrap the chain around the sprocket (26). Check the markings on the chain, body and guide bar to ensure the chain is pointing in the correct direction. (Fig.4).

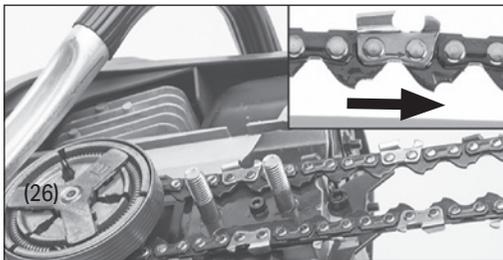


Fig.4

4. Install the guide bar (2) and slide fully towards the sprocket (26). Loosely wrap the chain around the guide bar ensuring the chain sits within the groove around the edge of the guide bar. (Fig.5).
5. Position the guide bar (2) on to the bar locking threads (2.1), then locate the chain tension adjuster pin (28) into the aperture on the guide bar. To ease fitting the tension pin location may need pre-adjusting prior to fitting.

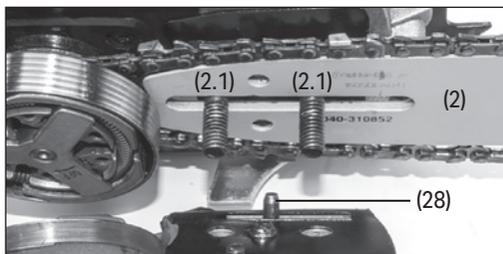


Fig.5

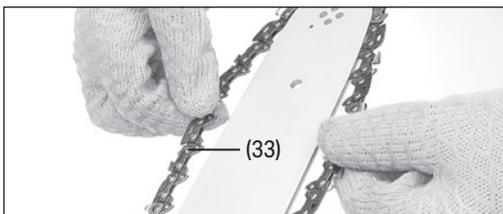


Fig.6

6. Refit the clutch cover (20) and fasten using the locking nuts.
7. Slot all the drive links (33) into the guide bar groove. Mesh the drive links at the tip of the bar correctly

round into the nose sprocket teeth. Slide the guide bar away from the bar head to put tension on the saw chain (Fig.6).

- Use the screwdriver (37) to turn the chain tension adjuster pin (28) until the saw chain (3) is tight around the guide bar (2). After adjusting the tension, it should be possible to lift the saw chain (3) 3-4mm from the guide bar (2).
- For initial tension and before refitting the clutch cover, use the screwdriver (37), to tighten the chain tension adjuster screw (21) clockwise. Ensure the chain and guide bar do not come apart while fitting the clutch cover. Also ensure the drive links have not separated from the sprockets.
- Tighten the clutch cover nuts by hand only at this time, to allow further chain tensioning and adjustment.

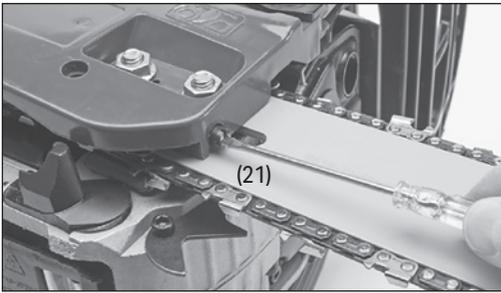


Fig.7

- Fasten the fixing nuts using a box spanner (Fig.8).

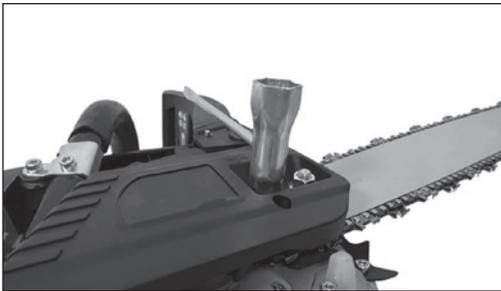


Fig.8

## 6.3 Fuelling and Lubrication (Fig.9 – Fig.10)

This chainsaw is equipped with a two-stroke air cooled petrol engine and requires a mixture of fuel and oil to perform and function correctly.

**Important: Failure to use the correct oil, fuel and mix ratio will cause permanent damage to the engine. Only use fresh, clean, good quality unleaded fuel with a high quality two-stroke oil.**

**CAUTION!** This machine is shipped **WITHOUT fuel**. Check the fuel level before **EVERY** use and top up as appropriate. **NEVER** attempt to run the engine on an empty fuel tank.

**WARNING!** ALWAYS fuel the machine in a well-ventilated area away from sources of ignition. Store fuel only for short periods, away from direct sunlight and heat sources, and only in containers specifically designed for that purpose. Avoid prolonged contact with the skin and inhalation of petrol vapour.

- A mix ratio of 40:1 must be used. To mix a ratio of 40:1 add 25ml of 2 stroke oil into 1 litre of unleaded fuel.
- Pour the petrol/oil mix into the mixing bottle (35) supplied, replace the cap and shake gently.

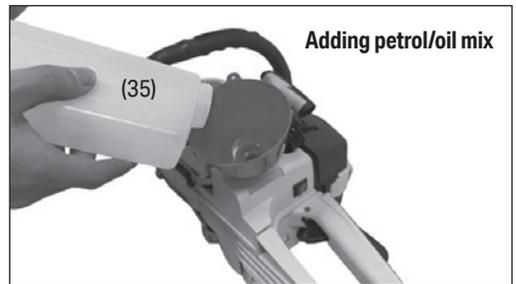


Fig.9

- Note:** the mixing bottle supplied is not suitable for storing or transporting the petrol/oil mix.
- Remove the fuel tank cap (16) by turning clockwise. With the aid of a funnel pour the mix into the fuel tank. Replace the cap firmly. **DO NOT** overfill and avoid spilling the mix.

## 6. Assembly Instructions

EN

### Adding Chainsaw Oil

- Using oil specifically designed for lubricating chainsaws, remove the chain oil tank cap (18) by turning anticlockwise.
- With the aid of a funnel pour the lubricant into the tank and replace cap firmly.
- Wipe off any spilt oil immediately.



Fig.10

## 7. Operating Instructions

EN

**Important:** Before operating this product, read and understand all the safety instructions listed in this manual. Ensure that the product is fully assembled, correctly prepared for use and you are wearing the correct PPE.

**Important:** When first operating a chainsaw stop and check the tension after a few minutes work (Engine stopped and blade brake applied). This is necessary to allow an initial stretch to be taken up in the chain links.

**⚠ WARNING! A loose saw chain is dangerous and could result in a serious accident.**

### 7.1 Starting the Chainsaw (Fig.11 – Fig.15)

- Place the chainsaw where it cannot come into contact with any objects. Then engage the chain brake (4).
- Move the **On/Stop** switch (14) to **I/ON** position.
- Press the fuel primer (29) approximately five times or until the bulb is filled with fuel (Fig.12).

**Note: Warm Start** - only press the primer if the fuel is refilled.



Fig.11

Fig.12

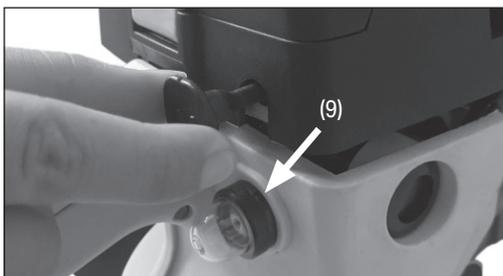


Fig.13

- Hold the chainsaw securely to the ground. Place your left hand on the front handle (5) and place your right foot on the foot plate (13) to secure.
- Pull the recoil starter handle (6) slowly with your right hand until you feel resistance and then pull using short sharp movements for a maximum of four times. (Fig.14).



Fig.14

- Pull out the choke fully (9). (Fig.13)

7. Push the choke lever (9) in fully. (Fig.15).



Fig.15

8. Pull the recoil starter handle (6) briskly and strongly. Repeat until the engine starts.
9. Squeeze the throttle safety lever (10) and throttle trigger (12) together, then release them.
10. Allow the chainsaw to idle for one to two minutes to allow it to warm up.
11. Disengage the chain brake (4).
12. To start cutting, grip with both hands, left hand holding the front handle (5) and the right hand holding the rear handle (11).

**CAUTION!** chain will start rotating as the throttle is operated.

**WARNING!** The chain will continue to move for a period after the throttle has been released.

## 7.2 Stopping the Chainsaw

**Note:** If the chainsaw has been running at full speed for a prolonged period allow the saw to idle for a few minutes before stopping the engine.

**ALWAYS** switch off the engine when refuelling, topping up the chain oil, moving, cleaning or carrying out any checks or adjustments.

1. Release the throttle trigger (12) and let the chainsaw idle for a while.
2. Engage the chain brake (4).
3. Move the 'Stop' switch (14) to the 'O/OFF' position.

## 7.3 Holding the Chainsaw (Fig.16 – Fig.17)



Fig.16



Fig.17

1. Hold the chainsaw power head close into the body. In this position the weight of the saw will be easier to manage and in the event of a kickback will be more controllable.
2. Firmly grip the rear handle pulling the power head tight into the hip/thigh area.

3. With the left hand grip the front handle with thumb on the underside. In this position with the body turned slightly towards the saw, if a kickback occurs the left arm will be stronger to brace against the force of the kickback.
4. Work at hip height or bend the knees instead of the back. This will be more comfortable and a safer stance to adopt.

### 7.4 Chain Brake

- Before starting any cutting, manually check the chain brake lever (4) moves backwards and forward correctly. Check with the saw pre-warmed and ticking over.
- If the chain brake is not functioning correctly switch off the engine immediately.
- **DO NOT** attempt to operate the chainsaw until the issue has been resolved and the safety device is operational.
- A worn brake mechanism is dangerous, so have it checked by an authorised service agent regularly.

### 7.5 Basic Cutting

- Refer to the Health and Safety section before carrying out any cutting operations.
- Ensure that the recommended checks have been carried out and the correct PPE is available and worn.
- Immediately after any cutting operation release the throttle and return the chainsaw to idle.
- **DO NOT** force the chain to cut, allow it to cut at its own pace.
- The chainsaw is for cutting timber only.
- **DO NOT** allow the chain to come in contact with the ground as soil and dirt will dull the chain quickly. Hard wood will also rapidly dull the chain.
- When the chain is sharpened correctly, the cutting yield will be high and there should be no abnormal wear on the mechanical parts of the bar.
- Stop the chainsaw and clear the cut debris at regular intervals to maintain a firm footing.

## 7.6 Felling (Fig.18 – Fig.20)

- **ALWAYS** seek advice from the local authority prior to cutting down any trees as regulations, laws and protection orders may affect or prohibit the work involved.
- **NEVER** leave a partially felled or hung tree. In the event of the tree becoming hung in another tree or obstacle seek assistance from a professional.
- Ensure there is sufficient fuel to safely complete the felling cut.
- **To fell a tree safely many factors need considering:**
  - Establish a safe perimeter at least 2½ times the height of the tree.
  - Place warnings of the activity taking place and prevent bystanders from entering the area.
  - The direction of the falling tree can be influenced but not guaranteed.
  - Roads, footpaths and services such as overhead power cables all present problems which need to be addressed before commencing the work. If unable to resolve these issues, have the work carried out by a trained professional.
  - The direction of fall can be changed by factors such as the wind, sloping terrain, tree growth (leaning, limb structure and decay) etc. Failure to observe or account for these factors can result in severe injury or fatality.
  - Plan an escape route and ensure all scrub and debris are cleared so that you can move quickly to safety if the felling direction unexpectedly changes.

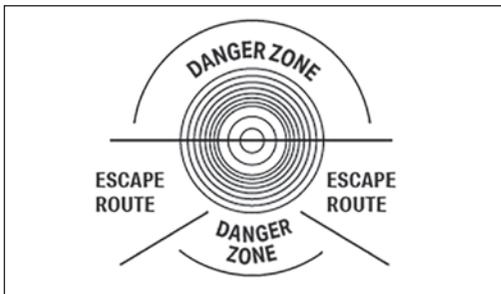


Fig.18

- Remove the lower tree branches/limbs up to shoulder height. To protect against kickbacks use the tree trunk/stem for protection and keep the guide bar offset from the body.

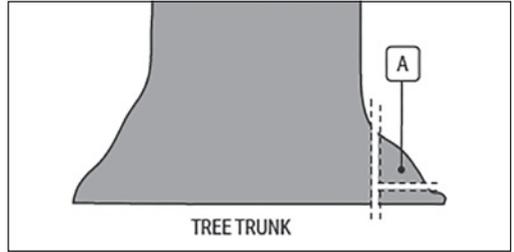


Fig.19

- If the tree has large buttress roots (A) remove these to enable the direction notch (B) to be cut as close to the ground as possible.
- The direction notch (B) should be started 45° down into approximately 1/3 of the tree's diameter. Cut the bottom of the notch at 90° and remove the wedge.

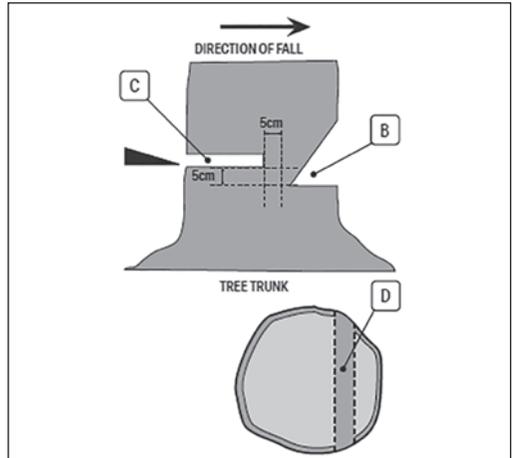


Fig.20

- On the opposite side and 5cm higher than the bottom of the notch, make the felling cut (C) at 90°. Make the cut in one go and stop 5cm from the back of the notch. This creates the hinge (D) to help control the felling. The hinge must be parallel.
  - Use the spiked bumper (24) to obtain a firm grip and leverage while cutting.
  - Wedges should be used to prevent the saw being pinched and to complete the fell safely.
- For safety when the tree starts to fall move back and away at 45° as quickly as possible. Branches on the underside of the tree can cause the trunk/stem to move sideways or backwards.

## 7.7 Delimiting (Fig.21)

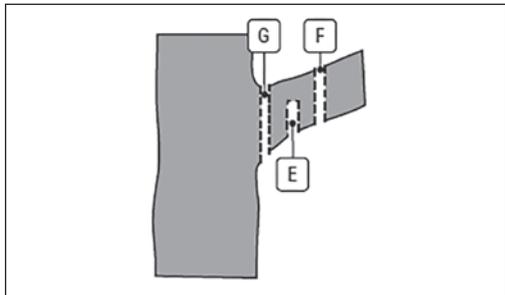


Fig.21

- Ensure the tree is stable before work commences.
- Ideal work height is between waist and knee height.
- If the felled tree is on a slope always stay above the tree in case the removal of the limb causes dangerous movement.
- When removing smaller branches with a single cut keep the tree between you and the chain.
- For larger limbs make three cuts.
  - Use the top of the guide bar for the initial cut (E) 1/3 through the tensioned underside of the limb.
  - Make the second cut (F) all the way through using the underside of the guide bar.
  - The third cut (G) is to leave a neat collar and only necessary if the tree is not being felled.
- On a felled tree always work from butt/roots to tip with the tree on your right side. Always keep the trunk between you and the guide bar.

## 7.8 Cross Cutting/Bucking (Fig.22 – Fig.24)

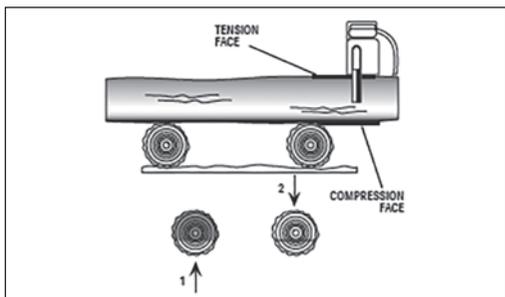


Fig.22

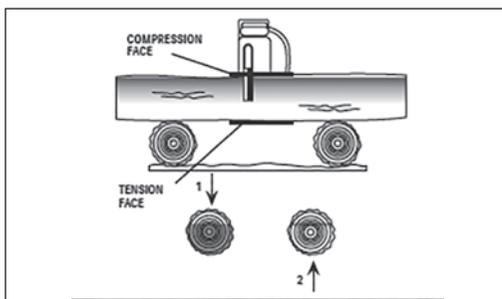


Fig.23

- When cross cutting the compression face must always be cut first followed by a second cut from the other side to meet and complete the cut. The initial cut should be 1/3 the diameter and the second cut 2/3.
- Incorrectly assessing the tension can result in the chain pinching or the timber splintering.

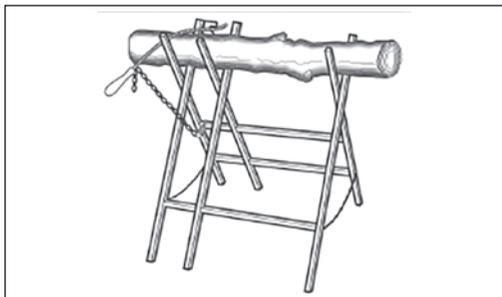


Fig.24

- **ALWAYS** use a log saw stand/horse for smaller logs. Secure smaller logs before cutting as the chain speed can cause the log to move and kick up.
- Use the spiked bumper (24) to achieve a firm grip and leverage while cutting.

**Important:** Always stop the engine, engage the chain brake and allow to cool down before carrying out any maintenance, cleaning or adjustments to the chainsaw.

**DO NOT** carry out any repairs to this chainsaw unless you are qualified to do so, apart from the items listed in this section. Have damaged parts replaced by an authorised service agent before using this product.

 **DANGER!** DO NOT make any changes or modifications to this chainsaw. In case of repairs use replacement spare parts recommended by Draper Tools.

## 8.1 General Maintenance

- **ALWAYS** stop the engine and allow to cool down before cleaning, transporting or storing the chain saw.
- Maintain the chainsaw in good working order and regularly serviced by an authorised service agent. Ensure the handle remain clean and free from oil, fuel and moisture.
- Regularly check external nuts and fixings to ensure vibrations during normal operation has not loosen them.
- Clean the plastic surfaces after each use with a mild detergent and sponge. **DO NOT** use aggressive cleaning agents.
- Periodically remove any shavings or sawdust from the visible parts of the chain mechanism.
- Store the chainsaw in a safe, dry area out of the reach of children.

## 8.2 Draining the fuel

**Important:** Fuel should be stored in the tank for no more than four weeks. Drain the fuel from the machine before storage, particularly if the machine will be stored for long periods.

**Important:** Read all the Health and Safety guidance for the use of petrol as a fuel before filling or draining this product.

 **WARNING! NEVER drain the fuel tank indoors.**

- To avoid engine problems, empty the fuel tank if storing for longer than 30days. **NEVER** use engine or carburettor cleaning products in the fuel tank as this could cause permanent damage.
- **DO NOT** store the chainsaw or fuel in an enclosed area where fuel vapours can reach sparks or flames from switches, heaters or electric motors etc.

## 8.3 Fuel Filter (Fig.25)

Replace the fuel filter annually.

1. To change the fuel filter, remove the fuel tank cap (16).
2. Gently pull out the fuel filter (16.1) from the tank using a pair of long nose pliers.
3. Replace the filter and refit fuel cap securely.

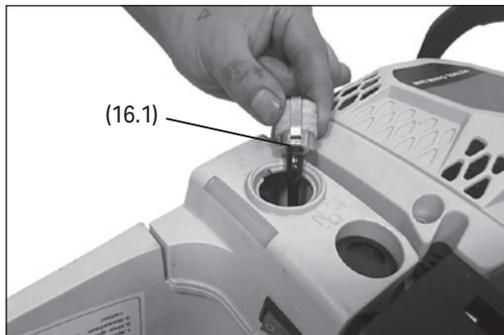


Fig.25

## 8.4 Chain Lubrication (Fig.26)

**Important:** Prior to use check the chain oil distribution on a piece of paper or cut timber.

- If the chain is not sufficiently lubricated check the oil tank level. If the oil level is sufficient increase the oil flow by rotating the adjuster screw (21).
- If the problem persists, stop the engine and allow to cool. Remove any sawdust from behind the clutch cover and clean the bar groove.

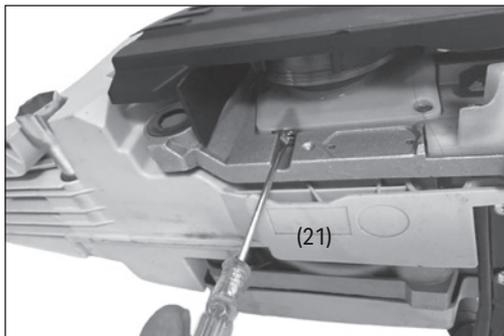


Fig.26

## 8.5 Chain Sharpening (Fig.27)

**Note:** Sawdust instead of chips indicates that the saw chain needs sharpening or replacing.

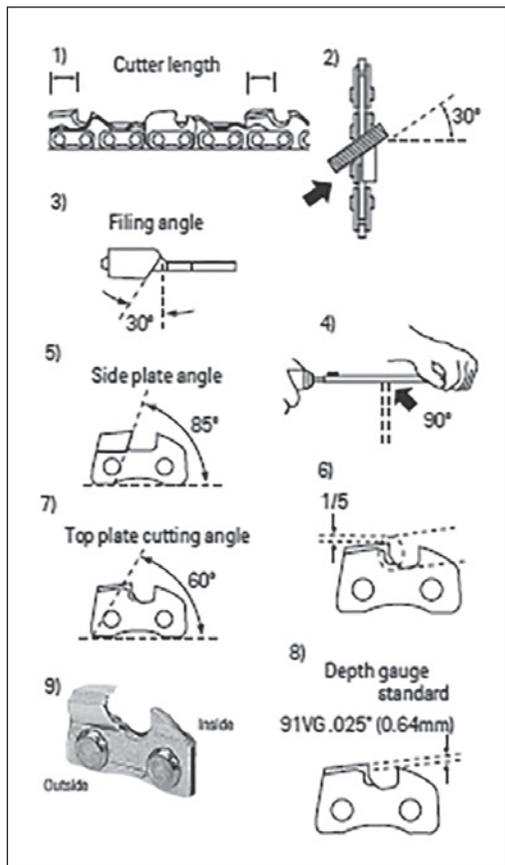


Fig.27

## 8.6 Carburettor Adjustment (Fig.28)

• During this process the chain will be moving. Suitable protective equipment (PPE) must be worn.

**Note: the chain MUST NOT move while the engine is at idle speed.**

- The carburetor values have been set during manufacturer and adjustments to these values may be required occasionally.
1. To adjust, start the engine and allow to idle.
    - If the engine stalls the idle speed is too low.
    - If the chain moves the idle speed is too high.
  2. Use a cross-slot screwdriver to turn the adjustment screw (17).
    - Clockwise to increase the engine speed.
    - Anticlockwise to decrease the engine speed.



Fig.28

## 8.7 Guide Bar Maintenance (Fig.29 – Fig.30)

1. Disassemble the guide bar (2) in reverse order from assembly (refer to **section 6.2**).
2. Remove any dirt accumulated inside the guide bar (2) slot using a putty knife (not provided).



Fig.29

3. Check the guide bar "rail" for wear:
4. Hold a straight edge ruler against the side of the guide bar (2) and "cutter side plates".
  - If there is a gap between the ruler and guide bar (2) the guide bar "rail" is normal.
  - If there is no gap (ruler flush against the side of the guide bar (2)) the guide bar "rail" is worn and needs to be replaced with a new one of the same type (Fig.30).

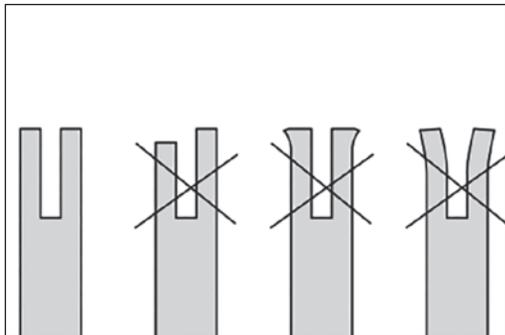


Fig.30

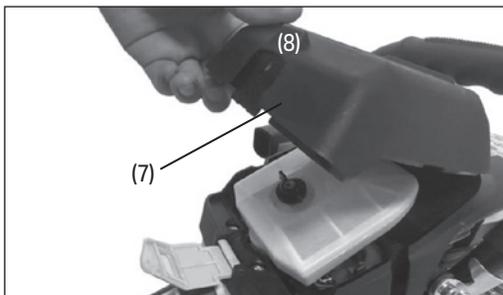


Fig.31

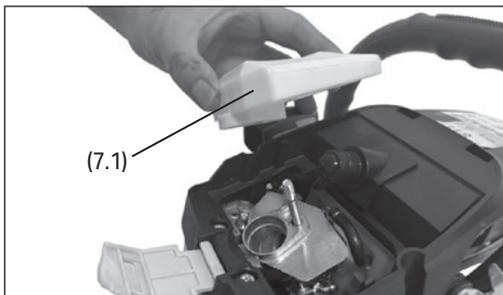


Fig.32

## 8.8 Air Filter Care (Fig.31 – Fig.32)

- A clogged air filter can reduce the engine efficiency, reducing the cutting performance and increasing the fuel consumption.
  - Clean the air filter more frequently when the wood being cut is dry or the work environment is dusty.
  - Replace the filter if damaged, deformed or cracked.
1. Loosen the clip (8) and remove the top cover (7).
  2. Then remove the air filter (7.1).
  3. Use a screwdriver to separate the air filter into its two parts and tap them on a stable surface to remove dust.
  4. Use compressed air (max. 3 bar) to remove stubborn dust or wash the air filter. Ensure it is dry before refitting.
  5. Reassemble the filter parts and refit the air filter.
  6. Refit the top cover (7) and clip securely back in place.

## 8.9 Spark plug (Fig.33 – Fig.34)

Inspect the spark plug every 25 used hours or before long-term storage over 180 days. Clean or replace with a new one if necessary.

1. Unclip and remove the top cover (7).
2. Remove the air filter (7.1).
3. Disconnect the spark plug connector.
4. Loosen the spark plug anti-clockwise using a box spanner and remove it carefully.
5. Check the spark plug for damage or wear. Remove any deposits from the electrode with a soft wired brush. Avoid heavy cleaning of the electrode.
6. Dry the spark plug with a soft cloth if required.



Fig.33

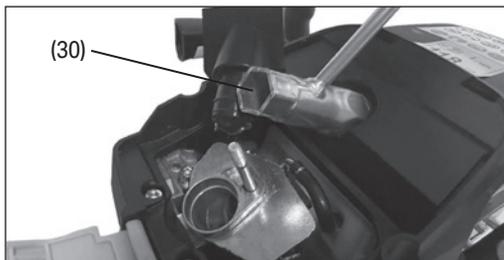


Fig.34

- If the electrodes are excessively soiled or very worn, replace the spark plug. Excessive soiling can be due to the incorrect ratio of oil to fuel being used.

**Note:**

- Ensure the spark plug has the correct heat range for this chainsaw.

- The spark plug gap should be 0.6-0.7mm. Use feeler gauges to check the gap is correct.
7. When replacing the spark plug, first screw it in hand tight and then lightly tighten it with a box spanner.

## 8.10 Troubleshooting

Problem	Possible Cause	Remedy
Engine will not start/Only runs for a few seconds.	Fuel tank empty.	Fill with correct fuel/oil mixture – See <b>Section 6.3</b> .
	No fuel reaching carburettor.	Check fuel filter – clean or replace if required. <b>Section 8.3</b> . Check for damage to fuel line.
	Engine flooded.	Wait a few minutes then restart.
	'Stop' switch in 'OFF' position.	Move switch to 'ON' position
	Spark plug soiled or worn.	Clean or replace spark plug – See <b>Section 8.9</b>
Engine does not idle correctly.	Carburettor requires adjusting.	Adjust carburettor – See <b>Section 8.6</b>
	Other issues.	Contact Draper Tools for advice.
Engine stutters or stalls under load.	Spark plug soiled.	Clean or replace spark plug – <b>Section 8.9</b>
	Air filter dirty.	Clean or replace filter – <b>Section 8.8</b>
	Carburettor requires adjusting.	Adjust carburettor – <b>Section 8.6</b>
Chain not moving or too tight.	Chain brake engaged.	Disengage chain brake.
	Insufficient chain lubrication.	Fill chain oil tank.
Excessive smoke from engine.	Too much oil mixed with unleaded fuel.	Empty fuel tank and refill with correct oil/fuel mixture.
Chain moves while engine at idle.	Carburettor requires adjusting.	Adjust carburettor – <b>Section 8.6</b>
	Clutch fault.	Contact Draper Tools for advice.

## 9. Spares, Returns and Disposal

EN

For spare parts, servicing, and repair and replacement options, please contact the Draper Tools Product Helpline for details of your nearest authorised agent.

Draper Tools will endeavour to hold any spare parts, if applicable, for seven years from the date that it sells the final matching stock item.

Any servicing or repairs carried out by unauthorised personnel or installation of spare parts not supplied by Draper Tools will invalidate your warranty.

**Important:** For safety, **ALWAYS** drain and clean the product of any oil, fuel, chemicals or other substances before returning it to Draper Tools or its authorised agent. Store these materials in suitable containers and dispose of them in accordance with local regulations. Draper Tools and its agents cannot be responsible for the disposal of these substances.

At the end of its working life, dispose of the product responsibly and in line with local regulations. Recycle where possible.

- **DO NOT** Dispose of oil separately and in accordance with local regulations; **DO NOT** abandon it in the environment.



## 10. Warranty

EN

This warranty covers parts and labour for 12 months from date of purchase – visit [drapertools.com/warranty](http://drapertools.com/warranty) for more information.. However, if the tools are hired out, the warranty period is 90 days from the date of purchase.

Should the tool develop a fault within the warranty period, return the complete tool to the place of purchase or contact Draper Tools directly. Proof of purchase must be provided.

This warranty does not apply to any consumable parts or normal wear and tear.

It also does not cover any damage caused by misuse, careless or unsafe handling, modifications, or repairs carried out by any personnel other than an authorised Draper Tools repair agent.

Please note that this guarantee is in addition to and does not affect your statutory rights.

**Draper Tools**

# 11. Explanation of Symbols



Read the instruction manual



Visual check



Wear safety glasses/  
face shield



Refuelling, 95RON petrol



Wear ear defenders



Filling with lubricating oil and  
adjusting oil flow



Wear suitable protective footwear.



The chain brake must be engaged when  
the chain saw is started



Wear protective gloves



**Warning!** Kickback may occur when the  
nose or tip of the guide bar touches an  
object, and cause a lightning fast reverse  
reaction, kicking the guide bar up and  
towards the operator. May cause serious  
personal injury.



Do not abandon in the environment



Keep out of the reach of children



Continuous A-weighted sound power level



**Warning!**



Use both hands to operate the saw.



Do not incinerate or throw onto fire



**DO NOT** operate with one hand.



European conformity



Avoid bar nose contact.



UK Conformity Assessed

## Contact Details

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