



**DRAPER**<sup>®</sup>

# PETROL **CHAINSAW**

**15042**



**UK  
CA** **CE**

These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product.

Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

# 1. TITLE PAGE

---

## 1.1 INTRODUCTION:

**USER MANUAL FOR: Petrol Chainsaw**

**Stock No: 15042**

**Part No: CSP2625**

## 1.2 REVISIONS:

**Date first published June 2019.**

---

---

---

---

As our user manuals are continually updated, users should make sure that they use the very latest version.

**Downloads are available from:** <http://www.drapertools.com/manuals>

Draper Tools Limited  
Hursley Road  
Chandler's Ford  
Eastleigh  
Hampshire  
SO53 1YF  
UK

**Website:** [drapertools.com](http://drapertools.com)

**Product Helpline:** +44 (0) 23 8049 4344

**General Fax:** +44 (0) 23 8026 0784

## 1.3 UNDERSTANDING THIS MANUAL'S SAFETY CONTENT:

**WARNING!** – Information that draws attention to the risk of injury or death.

**CAUTION!** – Information that draws attention to the risk of damage to the product or surroundings.

## 1.4 COPYRIGHT © NOTICE:

Copyright © Draper Tools Limited.

Permission is granted to reproduce this publication for personal and educational use only. Commercial copying, redistribution, hiring or lending is prohibited.

No part of this publication may be stored in a retrieval system or transmitted in any other form or means without written permission from Draper Tools Limited.

In all cases this copyright notice must remain intact.

---

## 2. CONTENTS

---

### 1. TITLE PAGE

1.1 INTRODUCTION.....	2
1.2 REVISION HISTORY .....	2
1.3 UNDERSTANDING THIS MANUAL .....	2
1.4 COPYRIGHT NOTICE .....	2

### 2. CONTENTS

2.1 CONTENTS.....	3
-------------------	---

### 3. WARRANTY

3.1 WARRANTY.....	4
-------------------	---

### 4. INTRODUCTION

4.1 SCOPE.....	5
4.2 SPECIFICATION .....	5
4.3 HANDLING AND STORAGE .....	5

### 5. HEALTH AND SAFETY INFORMATION

5.1 GENERAL SAFETY INSTRUCTIONS FOR CHAINSAW USE .....	6-11
--	------

### 6. TECHNICAL DESCRIPTION

6.1 IDENTIFICATION .....	12-13
--------------------------	-------

### 7. UNPACKING AND CHECKING

7.1 PACKAGING .....	14
7.2 WHAT'S IN THE BOX.....	14

### 8. ASSEMBLY

8.1 ATTACHING/ADJUSTING GUIDE BAR AND CHAIN .....	15-17
8.2 FUEL & LUBRICATION .....	18

### 9. OPERATING INSTRUCTIONS

9.1 COLD STARTING THE ENGINE.....	19
9.2 WARM STARTING THE ENGINE .....	20
9.3 STOPPING THE ENGINE .....	20
9.4 PERSONAL PROTECTIVE EQUIPMENT (PPE) .....	20-21
9.5 HOLDING THE CHAINSAW.....	21
9.6 KICKBACK .....	22
9.7 CHAIN BRAKE .....	23
9.8 CUTTING .....	23
9.9 FELLING .....	23-24
9.10 DELIMBING.....	24
9.11 CROSS CUTTING/BUCKING .....	25
9.12 SAW CHAIN .....	25
9.13 CHAIN LUBRICATION .....	26
9.14 SHARPENING.....	26

### 10. MAINTENANCE

10.1 CARBURETTOR ADJUSTMENT .....	27
10.2 BAR MAINTENANCE .....	27
10.3 AIR FILTER .....	28
10.4 FUEL FILTER .....	28
10.5 OIL FILTER .....	28
10.6 SPARK PLUG.....	29
10.7 CLEANING, TRANSPORT & STORAGE .....	29

### 11. TROUBLESHOOTING

11.1 TROUBLESHOOTING GUIDE.....	30-32
---------------------------------	-------

### 12. EXPLANATION OF SYMBOLS

12.1 EXPLANATION OF SYMBOLS .....	33
-----------------------------------	----

### 13. DISPOSAL

13.1 DISPOSAL.....	34
--------------------	----

DECLARATION OF CONFORMITY .....	ENCLOSED
---------------------------------	----------

## 3. WARRANTY

---

### 3.1 WARRANTY

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact

**Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England.**

**Telephone Sales Desk: (023) 8049 4333 or Product Help Line (023) 8049 4344.**

A proof of purchase **must** be provided with the tool.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This warranty period covering labour is 12 months from the date of purchase except where tools are hired out when the warranty period is 90 days from the date of purchase. The warranty is extended to 24 months for parts only. This warranty does not apply to any consumable parts, any type of battery or normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agent.

**Note:** If the tool is found not to be within the terms of warranty, repairs and carriage charges will be quoted and made accordingly.

This warranty applies in lieu of any other warranty expressed or implied and variations of its terms are not authorised.

Your Draper warranty is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the warranty period.

Please note that this warranty is an additional benefit and does not affect your statutory rights.

**Draper Tools Limited.**

## 4. INTRODUCTION

---

### 4.1 SCOPE

This chainsaw is designed for general lopping, limbing and felling of trees and branches.

### 4.2 SPECIFICATION

Stock No: .....	15042
Part No: .....	CSP2625
Engine displacement .....	25.4CC
Maximum engine performance .....	0.85kW
Maximum engine speed .....	4600 RPM
Recommended speed at idle.....	3000 RPM
Fuel tank capacity .....	0.23L
Tank for chain lubricating oil .....	0.16L
Useable cutting length .....	250mm

#### Chain

Specified pitch .....	9.525mm (0.325)
Specified gauge (thickness of drive links).....	1.27mm (0.050)

#### Drive sprocket

Specified no. of teeth .....	6T
Specified pitch.....	9.525mm (0.050)

Sound pressure level .....

94dB(A)
---------

Sound power level .....

113dB(A)
----------

Single value noise level (LWA)<sup>†</sup>113dB(A)

Vibration level10.9m/s<sup>2</sup>

Weight (machine only).....5kg

<sup>†</sup>A-weighted sound pressure level in accordance to 2000/14/EC.

### 4.3 HANDLING AND STORAGE

Care must still be taken when handling and lifting. Dropping this machine will have an effect on the accuracy and may also result in personal injury. This machine is not a toy and must be respected.

The environment will have a negative result on its operation if you are not careful. If the air is damp, components will rust. If the machine is unprotected from dust and debris; components will become clogged: And if not cleaned and maintained correctly or regularly the machine will not perform at its best.

## 5. HEALTH AND SAFETY INFORMATION

---

### 5.1 GENERAL POWER TOOL SAFETY WARNINGS

**WARNING** Read all safety warnings, instructions, illustrations and specifications provided with this power tool. *Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.*

**Save all warnings and instructions for future reference.**

*The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.*

#### **Work area safety**

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

**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.*

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

#### **Electrical safety**

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

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

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

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

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

**If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** *Use of an RCD reduces the risk of electric shock.*

#### **Personal safety**

**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.*

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

**Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.*

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

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

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

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

**Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

## 5. HEALTH AND SAFETY INFORMATION

---

### Power tool use and care

**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.*

**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.*

**Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*

**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.*

**Maintain power tools and accessories. 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.*

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

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

**Keep handles and grasping surfaces dry, clean and free from oil and grease.** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

### Service

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

## 5.2 GENERAL SAFETY INSTRUCTIONS FOR CHAINSAW USE

Chainsaws pose a very significant health and safety risk, even to careful and informed operators, for example, the use of a chainsaw in the workplace requires extensive training and certification. 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 risks and dangers involved.

**Warning:** Danger of death.

Personal Protective Equipment (PPE)

- Due to the nature and ferocity of a petrol driven chainsaw, no PPE equipment can provide 100% protection against chainsaw cuts.
- Equipment specifically designed for use with a chainsaw shall be worn, consisting of;
  - Safety helmet (EN 397).
  - Mesh visor (EN 1731).
  - Hearing protection (EN 352).
  - Gloves (EN 381-7) with protective guard on back of left hand.
  - Leg protection (EN 381-5).
  - Non-slip boots (EN 345-2).
  - High visibility jacket.

Leg protection is achieved with a chain clogging material designed to stop the chain before it penetrates fully through and into flesh.

## 5. HEALTH AND SAFETY INFORMATION

---

The gloves, boots and leg protection should be marked with the symbol (right) and indicate the chain speed to which they have been tested.



### Preparation

- Before use inspect the guide bar grooves for distortion, the guide bar rail for cracks, the nose sprocket teeth condition, chain tension and condition, drive sprocket condition and operation and operation of the chain brake.
- Never operate the chainsaw alone in case of emergency. Have an assistant in visual/communicative range.
- Ensure the site is assessed for potential risk and a safe working distance is marked to prevent bystanders entering.
- In case of accident, ensure means of contact with emergency services are possible and adequate information is available to facilitate an urgent recovery.
- Always carry a basic first aid kit containing large wound dressings.
- Identify all services (e.g. gas, water, electric, phone etc.), particularly overhead before felling commences.
- Ensure a distance of at least twice the tree height is observed from all obstacles and dangers.
- Keep bystanders a minimum of 10M away and all access points into the work area marked accordingly.
- 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 when wind conditions may influence/control the direction.
- Close observation and inspection for dead or diseased wood and insecure limbs or branches must be carried out prior to any cutting. Dead wood can cause unexpected reactions during a routine felling.
- Remove any scrub or other obstructions from the area to enable a quick escape route and ensure visibility of the chain is not impeded during cutting.
- Plan work to reduce manual lifting, i.e. lightest off cuts move furthest.
- If work is a result of wind blow, ensure no unstable trees or limbs pose any further danger.
- 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.

### Saw operation

- Do not operate the chainsaw without being completely familiar on all safety aspects, functions and most importantly how to stop the chainsaw in an emergency.
- Do not operate the chainsaw above shoulder height.
- Regularly clear cut material as build up will create a hazard under foot.
- Never use the chainsaw if the stop switch is FAULTY or not functional.
- Prior to each use inspect the chainsaw for damage. Ensure all safety features and mechanisms function correctly and that the cutting means is of the type and design as specified by the manufacturer.
- Adopt a secure and balanced stance, bend knees instead of back. Hold the saw close into your body for balance.



## 5. HEALTH AND SAFETY INFORMATION

---

- Maintain a good grip with both hands on the saw. The chainsaw is solely designed for operation of the rear handle by the right hand and the left hand on the front handle. Grip the front handle with left thumb underneath to allow resistance in case of kickback.
- Stop the chainsaw before setting it aside.
- Only begin cutting with throttle at maximum.
- 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 that risk.
- Operate the chain brake before moving with the saw. If moving more than a short distance, stop the saw and refit the bar guard.
- **Warning:** during and after use, take care not to touch the hot engine parts, in particular the exhaust muffler.
- Do not attempt to use the chainsaw if tired, ill or under the influence of alcohol or other drugs.

### Felling

- Remove lower branches/limbs from the tree up to shoulder height.
- When removing the lower branches ensure the operator is protected from kickback by using the tree stem for protection and keeping the guide bar out of line with the body (off set).
- Ensure there is sufficient fuel in the tank to safely complete the felling cut.
- Never leave a partially felled tree.
- When the tree begins to fall move back and away at 45° as quickly as possible. Branches on the underside of the tree can cause the stem to move sideways or backwards dangerously.
- In the event of a tree becoming hung in another tree or obstacle seek assistance from a professional. A hung tree poses many dangers and creates more potential risks than felling a normal tree. Do not abandon a hung tree, walk under or attempt to climb one.
- Always perform a notch cut followed by a felling cut to create a felling hinge. Felling wedges or levers may be necessary to prevent the chainsaw from becoming pinched in the felling cut.

### Limbing

- Ensure the tree is stable before any limbing commences.
- The ideal working height for performing limbing is between waist and knee height.
- Stand on the left side of the stem, working from the root upwards, then return down the other side.
- Use the top (pushing chain) and bottom (pulling chain) to make the cuts, constantly taking note of the bar tip in conjunction with limbs further round the stem which may be less visible or obscured.
- Ensure the tip of the bar does not come into contact with the ground.
- If the felled tree is on a slope always remain above the tree in case the removal of a limb were to cause potentially dangerous movement.
- Rest the weight of the saw on the tree where possible.
- Take care of limbs and undergrowth under tension as there is a danger of spring back once the cut has been performed.
- At regular intervals, stop the chainsaw and clear the cut debris to maintain a firm footing.

### Cross cutting

- The timber must be raised off the ground with supports to perform a safe cut.
- When working on slopes, always work above the timber in case of movement.
- Always adopt a good firm footing.

## 5. HEALTH AND SAFETY INFORMATION

---

- Observe the timber to assess the surfaces for tension.
- Tension and compression in supported timber can result in the timber splitting or pinching the guide bar if incorrectly cut.
- Alleviate tension in the timber by making an initial cut (1/3) into the compressed surface before finishing the cut (2/3) into the tension surface.
- Stand off to the side of the saw in case of kickback.
- If the chainsaw becomes trapped, switch off immediately before attempting to free the guide bar. Use the correct tools when attempting to free a trapped saw.
- Be ready to step back quickly in case of the timber rolling.
- Ensure no debris is present in the work area.

### **Maintenance**

- Never modify the chainsaw in anyway.
- Always maintain the chainsaw in good working order regularly serviced by an authorised service agent.
- Ensure the handles remain clean and free from oil, fuel & moisture.
- Only use replacement parts supplied by the manufacturer.
- Ensure the chain does not rotate while the saw is at idle.
- All safety devices must remain fitted, functioning and where possible serviced. Especially the chain brake.
- Only use fresh, clean and good quality fuel/oil mix in the chainsaw.
- Regularly inspect the chain lubricant level, regularly topping up. When the chainsaw is running at high speed the chain oil will dispel quicker and require checking/adjusting more frequently.
- Never operate the chainsaw without chain oil.
- Never operate the chainsaw with a maladjusted or blunt chain as this is highly dangerous.
- When the chainsaw has warmed up, stop the chain & engine before checking/adjusting the tension.
- Never refuel in close proximity to naked flames, sparks or other sources of ignition, e.g. cigarettes.
- Allow the engine to cool before refuelling. Avoid spillage while refuelling.
- Wipe up and correctly dispose of any fuel spillage immediately with a suitable medium.
- Ensure the correct ratio of fuel and oil are used.
- Do not set down a hot chainsaw on or near easily combustible materials. e.g. dry leaves and grass.
- Move away from the refuelling area before restarting the chainsaw.
- Store fuel for short periods only and avoid mixing more than is required. Store in a container specifically designed for petrochemical applications away from heat and direct sun light.
- Prior to use check for chain oil distribution on a piece of paper or cut timber. Observe spatter before continuing.
- After each use clean the chainsaw thoroughly.
- Regularly check external nuts and fixings to ensure vibration caused by normal use has not begun to loosen them.
- Periodically remove all shavings and sawdust from the visible parts of the chain brake mechanisms.

## 5. HEALTH AND SAFETY INFORMATION

---

### Storage

- Thoroughly clean/service the chainsaw and refit the bar guard. Remove the spark plug ignition lead from the back of the spark plug and position the lead to avoid accidental reconnection.
- Locate the machine out the reach of children, in a dry locked unit.
- Remove all residual fuel from the fuel tank before storing.

### 5.2 HEALTH AND SAFETY INFORMATION CONCERNING THE USE OF FUELS

**Fuels are inflammable and explosive. Reduce the risk of explosion and fire by:**

- Turning off and cooling the motor down before filling the tank with fuel.
- Refraining from smoking and starting open fires when handling fuels.
- Storing and mixing fuels in approved and correspondingly labelled canisters.
- Storing fuels in closed containers. Keeping in mind that fuels may evaporate at room temperature and collect on the floor of closed rooms (risk of explosion).

**Fuels are toxic, they contain substances that have an immediate toxic effect and may cause permanent damage to your health. Take all precautionary measures to prevent your body from absorbing any of these substances:**

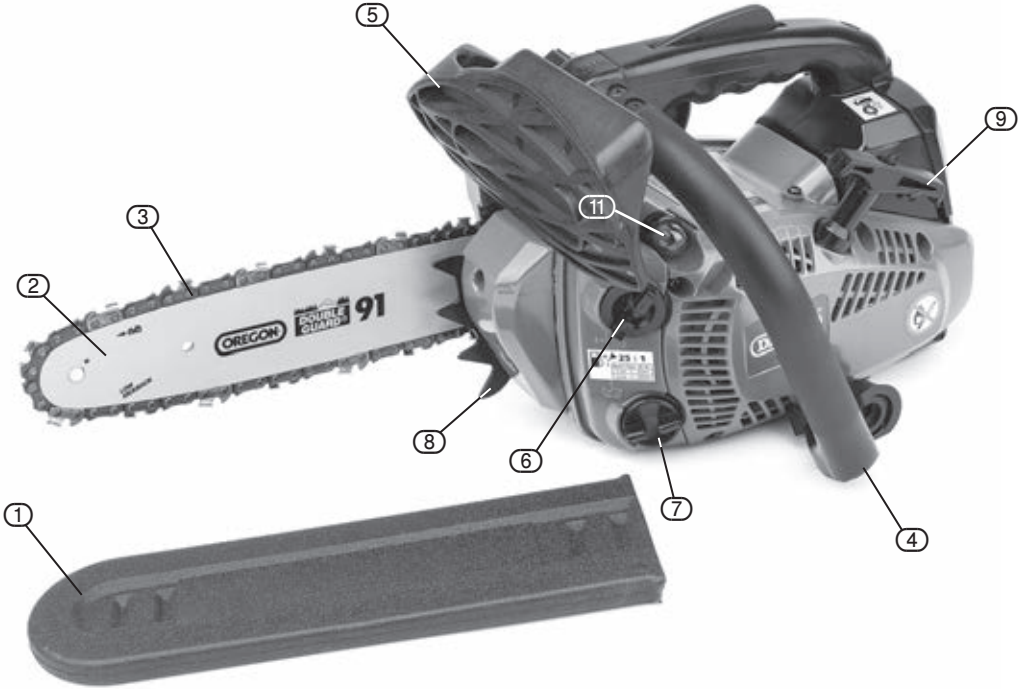
- Tank and siphon fuels only outdoors or in well-ventilated rooms.
- Do not inhale fuel fumes.
- Avoid contact with eyes and skin.
- Wear gloves when transferring fuel.
- When fuel has come into contact with your clothes, change them immediately. Clean your clothes before putting them back on.
- Store fuels out of the reach of children.

**When handled inappropriately, fuels may cause damage to the environment:**

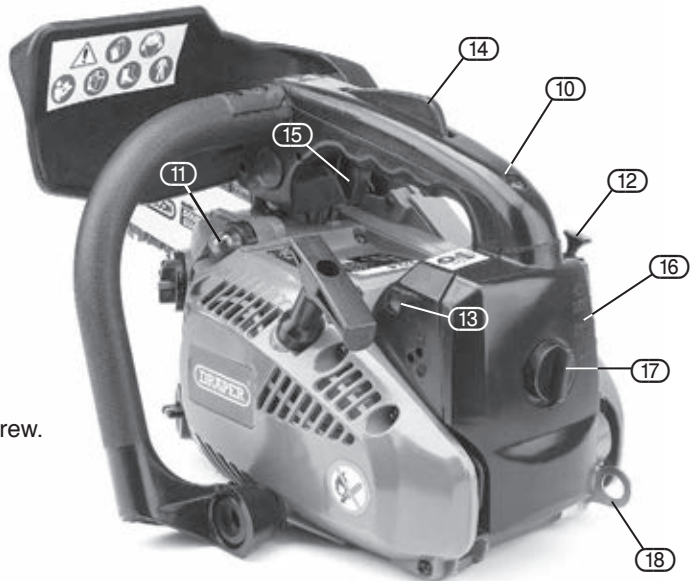
- Transfer fuel carefully. Fuel must never trickle into the ground or the sewage system.
- Dispose of any remaining fuel in an appropriate manner. Never dispose of fuel with regular household waste.
- Fuels may be stored only for a limited time. Purchase only such quantities that can be used up within a few months.

# 6. TECHNICAL DESCRIPTION

## 6.1 IDENTIFICATION

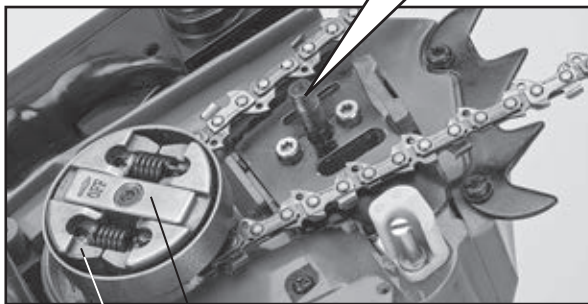
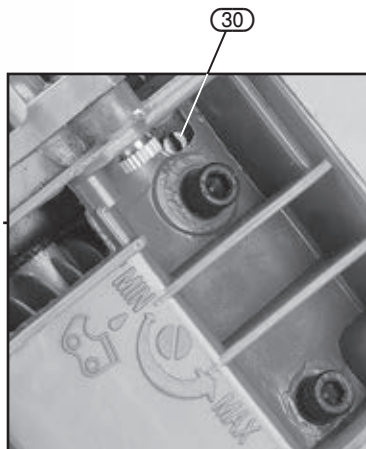
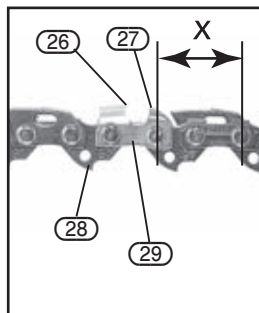
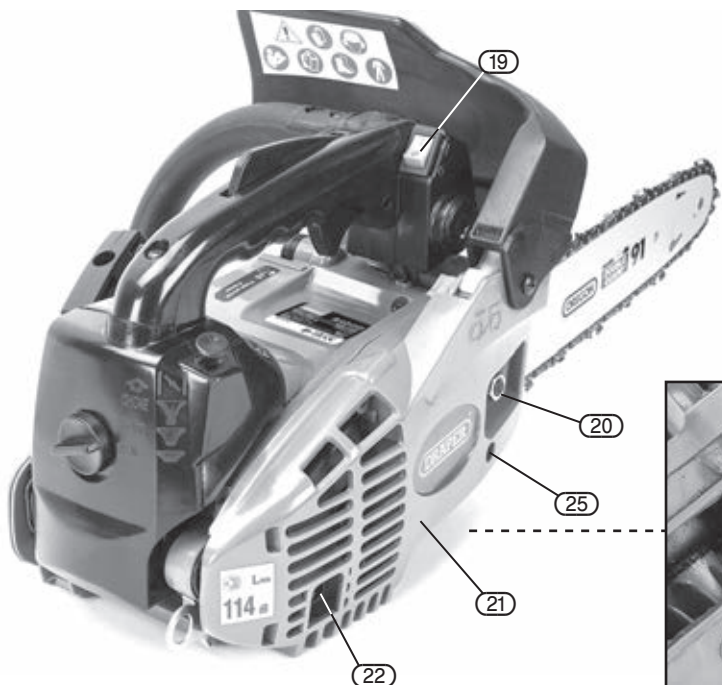


- ① Chain/bar guard.
- ② Guide bar.
- ③ Saw chain.
- ④ Wrap around handle.
- ⑤ Chain brake lever (front hand guard).
- ⑥ Fuel tank cap.
- ⑦ Chain oil tank cap.
- ⑧ Spiked bumper.
- ⑨ Recoil starter cord.
- ⑩ Rear handle.
- ⑪ Primer.
- ⑫ Choke.
- ⑬ Carburettor adjustment screw.
- ⑭ Throttle trigger lock out.
- ⑮ Throttle trigger.
- ⑯ Air filter cover.
- ⑰ Air filter cover screw.
- ⑱ Lanyard attachment eye.



# 6. TECHNICAL DESCRIPTION

## 6.1 IDENTIFICATION



- (19) ON/OFF switch.
- (20) Guide bar locking nut.
- (21) Clutch cover.
- (22) Muffler (silencer).
- (23) Clutch.
- (24) Drive sprocket.
- (25) Chain tension adjuster (screw).
- (26) Cutter.
- (27) Depth gauge.
- (28) Drive link.
- (29) Direction of rotation arrow.
- (30) Chain lubrication adjustment.
- (31) Transit spacer (remove and store).

# 7. UNPACKING AND CHECKING

---

## 7.1 PACKAGING

Carefully remove the chainsaw from the packaging and examine it for any sign of damage that may have happened during shipping. Lay the contents out and check them against the parts shown below. If any part is damaged or missing; please contact the Draper Helpline (the telephone number appears on the Title page) and do not attempt to use the machine.

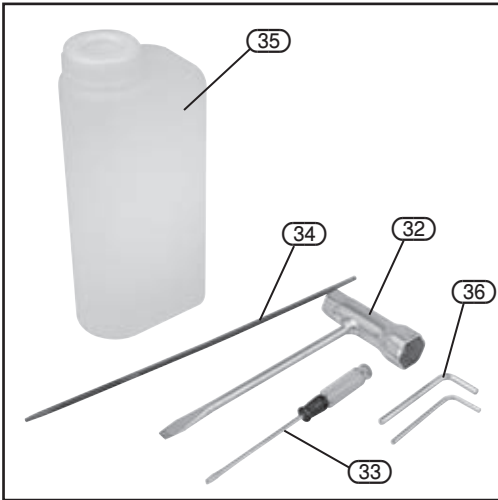
The packaging material should be retained at least during the guarantee period: in case the machine needs to be returned for repair.

Warning! Some of the packaging materials used may be harmful to children. Do not leave any of these materials in the reach of children.

If any of the packaging is to be thrown away, make sure they are disposed of correctly; according to local regulations.

## 7.2 WHAT'S IN THE BOX?

As well as the petrol chainsaw there are several attaching parts.



- (32) Combination box spanner/screwdriver.
- (33) Screwdriver.
- (34) Chainsaw file.
- (35) Fuel mixing bottle.
- (36) Hex. keys.

## 8. ASSEMBLY

**Warning:** Do not start the chain saw before mounting and correctly adjusting the guide bar and chain.

Attention: Saw chain is extremely sharp – wear gloves when handling chain.

### 8.1 ATTACHING/ADJUSTING GUIDE BAR AND CHAIN (FIGS.1 – 12)

- Position the power head as shown (Fig.1). Ensure the chain brake is disengaged. To disengage, pull the chain brake lever (5) towards the front wrap round handle (4).
- With the combination box spanner (32), remove the guide bar locking nut (20).

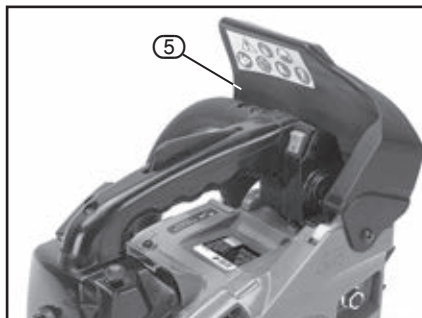


FIG.1

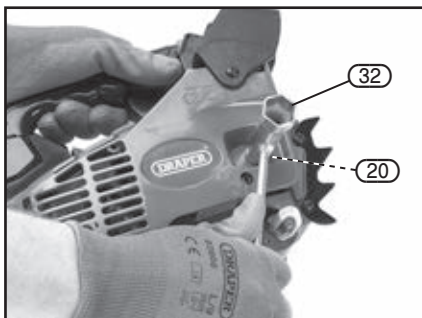


FIG.2

- Using the hex. key (36) remove two M6 hex screws.
- Pull the clutch cover (21) away and off the machine.

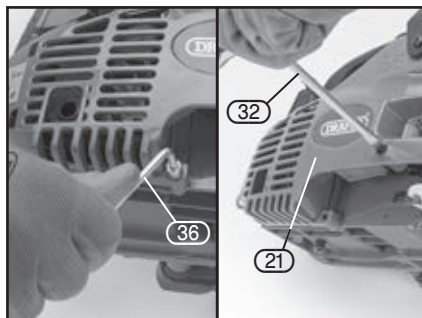


FIG.3

- Fit the saw chain (3) around the drive sprocket (25) paying particular attention to the cutter orientation. An incorrectly fitted chain is dangerous.
- **Note:** The chain is driven on the top of the guide bar away from the power head. Stamped on the saw chain cutters and links is a direction of rotation arrow. Ensure the drive sprocket teeth have correctly meshed with the drive links.

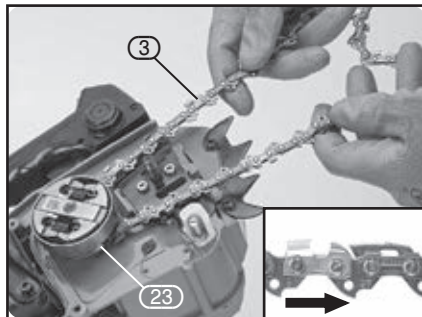


FIG.4

## 8. ASSEMBLY

- Remove the plastic transit spacer (31).
- Position the guide bar (1) onto the stud bolt (1.1).

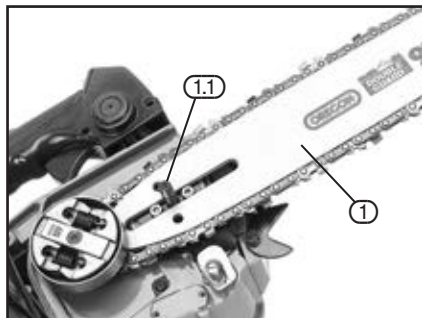


FIG.5

- Reposition clutch cover (21), ensuring rear end is hooked in place correctly.
- Using screwdriver (33) adjust chain adjustment screw (25) until clutch housing clicks in place – this aligns chain adjustment pegs with the aperture in the chain bar.
- Refit screws and nut on clutch cover.

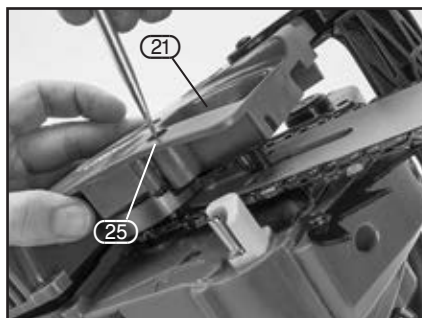


FIG.6

- Re-tighten guide bar locking nut (20) using the combination box spanner (32).

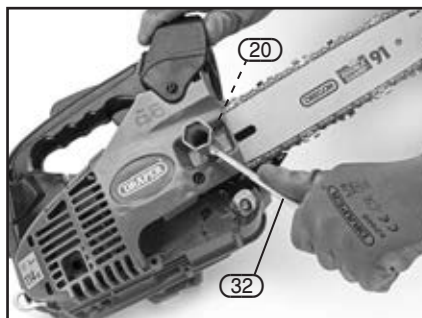


FIG.7

- Using the hex key (36) replace and tighten the M6 hex screws.



FIG.8



## 8. ASSEMBLY

- Slot all the drive links in to the guide bar groove. Fit the drive links at the tip of the bar correctly around in to the nose sprocket teeth.
- Slide the guide bar away from the bar head to put some tension on the saw chain.



FIG.9

- With the screwdriver, tighten the chain tension adjuster screw (25) clockwise. Ensure the chain and guide bar do not come apart while fitting.
- Also ensure the drive links have not separated from the sprockets.



FIG.10

- Check the chain tension half way along the guide bar by pulling the drive links out of the groove. Continue tightening the chain tension until only a complete drive link (28) is visible.



FIG.11

- Elevate the tip of the guide bar, keeping light pressure down on the front of the power head while tightening the clutch cover nuts fully.
- When secure, ensure the chain brake is disengaged and check to see that the chain runs freely in the guide bar groove.
- When operating a new saw chain, stop and check the tension after a few minutes work (with the engine stopped and blade brake applied). This is necessary due to initial stretch being taken up in the chain links.
- **Warning:** A loose saw chain is dangerous and may result in a serious accident.

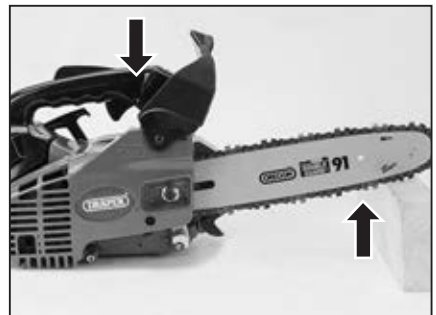


FIG.12

## 8. ASSEMBLY

### 8.2 FUEL & LUBRICATION (FIGS.13 – 16)

This chain saw is equipped with a 2 stroke air cooled petrol engine.

This type of engine requires a mixture of fuel and oil to perform and function. Failure to use the correct oil, fuel or mixture ratio will cause permanent damage to the engine. Only use fresh, clean, good quality unleaded fuel mixed with a high quality 2 stroke oil. Do not use any other types of oil e.g. engine oil as this will cause damage to the engine.

#### 2-stroke mixture fuelling

For standard or semi-synthetic oil a mix ratio of 25:1 must be used. To mix a ratio of 25:1, add 0.2 litres (200ml) of 2 stroke oil into 5 litres of unleaded fuel (4%).

- **Attention:** Always handle fuel with caution. Pour the fuel/oil mixture into a specifically designed mixing receptacle before replacing the cap and shaking gently. Remove the fuel tank cap (6) by turning it anti-clockwise. To prevent identification problems or accidents the power head is stamped in the vicinity of the tank cap with the fuel symbol.
- With the aid of a funnel pour the fuel/oil mixture into the fuel tank before replacing the cap firmly. Avoid spillage and do not over fill.
- Note: Always mix and refuel in a well ventilated area away from sources of ignition.

#### Chain oil lubrication

- The chain lubrication system must provide a continuous flow of specific oil onto the guide bar and chain. No lubricating oil at all will result in damage to the guide bar. Overheating will generate smoke.
- Remove the chain oil tank cap (7) by turning it anti-clockwise. To prevent identification problems or accidents the power head is stamped in the vicinity of the tank cap with the oil/chain symbol.
- With the aid of a funnel pour the oil into the chain oil lubrication tank before replacing the cap firmly. Avoid spillage and fill to the correct level only.

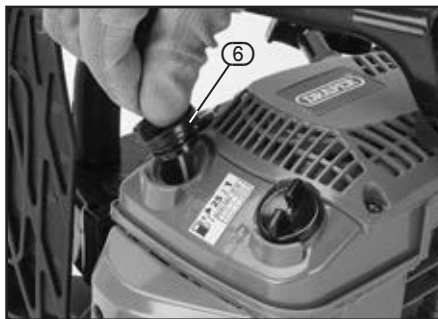


FIG.13



FIG.14



FIG.15



FIG.16

# 9. OPERATING INSTRUCTIONS

This chainsaw must only be used by trained tree surgeons or other suitably qualified and competent persons.

**Warning:** Do not start the chain saw until it is fully assembled, correctly adjusted and all functions and controls are familiar.

## 9.1 COLD STARTING THE ENGINE (FIGS.17 – 20)

Before starting, disengage the chain brake. Rest the chain saw on a stable surface. Move the stop switch (19) up and pull out the choke lever (12). Pump the primer (11) 4 to 6 times repeatedly until fuel is visible in the bubble. This moves fuel up the lines to the head.

- Firmly hold the top handle. With the other hand grip the recoil starter cord. Ensure the chain and bar are free and not touching any objects. Pull the starter using short, sharp movements.

**Note:** Do not use the full length of the recoil starter cord as this can cause breakage or premature failure. Do not release the starter cord to recoil on its own. Damage will occur to the mechanism.

- If the engine fails to start after 5 – 6 attempts, try pushing in the choke to the throttle advance.
- Continue operating the recoil starter cord (9) until the engine starts.

**Caution:** The chain will start rotating as the throttle is partially advanced.

**Note:** If there is a strong smell of fuel this indicates that the engine may be flooded. Wait a few minutes before attempting to restart the machine as if the engine were warm i.e. no choke.

When running, hold the chain saw firmly allowing it to warm for 20 seconds (pre heat).

- Grip the top handle (10), covering the throttle trigger lockout (14) with the palm of your hand. Pull the throttle trigger (15) to release the throttle advance. The engine will now idle at normal tick over.
- If pausing for more than a few seconds, engage the chain brake. Do not move more than three paces without engaging the chain brake and stopping the engine.
- Transport the chain saw with the bar guard in place.

**Warning:** The saw chain continues to move for a period after the throttle has been released.

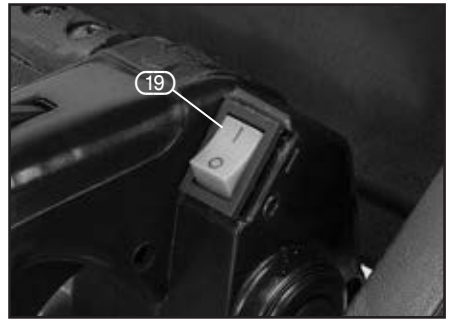


FIG.17



FIG.18



FIG.19

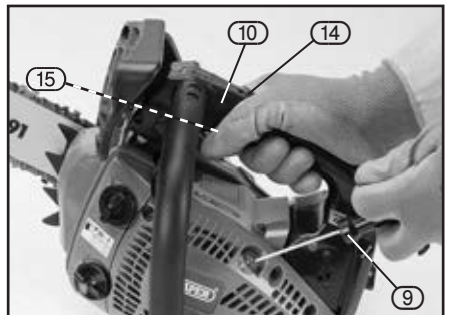


FIG.20

## 9. OPERATING INSTRUCTIONS

---

**Warning:** The saw chain continues to move for a period after the throttle has been released.

### 9.2 WARM STARTING THE ENGINE

- Position the ON/OFF switch (19) to the “I”. Pull out the choke (12) to engage the throttle advance (midway position), turn the choke to off immediately.
- Pull the recoil starter cord (9) to start the engine. Operate the throttle trigger lockout (14) and throttle trigger (15) to release the throttle advance.

### 9.3 STOPPING THE ENGINE

**To stop the engine lower the stop switch (19) to the “O” position.**

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

The engine shall be stopped while carrying out any other operation such as:

- Refuelling.
- Topping up chain oil.
- Making checks or adjustments.
- Cleaning.
- Moving from one place to another by foot.
- Transporting.

### 9.4 PERSONAL PROTECTIVE EQUIPMENT (PPE) (FIG.21)

**Warning:** Chain saws pose a very significant health and safety risk even to careful and trained operators.

Due to the nature and ferocity of a petrol driven chain saw, no PPE can provide 100% protection against chain saw cuts.

Equipment specifically designed for use with a chain saw shall be worn, consisting of:

- A safety helmet with mesh visor and ear defender to protect against falling/thrown debris and the high levels of noise generated.
- Gloves with additional protective guard material on the back of the left hand to defend against chain whip in the event of breakage.
- Trousers or chaps with leg protection incorporated into the front/side. In case of contact with a moving saw chain the clogging material is designed to stop the chain before it penetrates fully through and into flesh.



FIG.21

## 9. OPERATING INSTRUCTIONS

- Safety boots with a good non-slip tread incorporating protection to toes & shins.  
High visibility jacket. Some jackets incorporate the clogging material like the trousers, but in any event should be close fitting.
- All this equipment should be tested to relevant international and European standards and marked accordingly. The gloves, boots and trousers should be additionally marked with symbol, also indicating the chain speed to which they have been tested.

**Attention:** Fully read and understand the general safety instructions section of this manual before proceeding.

### 9.5 HOLDING THE CHAIN SAW (FIGS.22 – 23)

Do not be afraid to hold the chain saw power head close in to the body. In this position the weight of the saw will be easy to bear and in the event of a kickback will be more controllable. Firmly grip the rear handle pulling it tight in to hip/thigh. With the left hand grip the front handle with thumb on the underside. In this position with the body turned slightly towards the saw, should a kickback occur the left arm will be stronger to brace against the force of the kickback, or if unable to withstand, the saw chain should avoid the face/head.

Try to work at hip height, or bend the knees instead of the back. This will be more comfortable and a safer stance to adopt.



*Photo for illustrative purposes only.*

FIG.22



*Photo for illustrative purposes only.*

FIG.23

# 9. OPERATING INSTRUCTIONS

## 9.6 KICKBACK (FIG.24)

### Kickback – Definition:

- **Rapid upward and/or backward motion of the chain saw which can occur when the moving saw chain near the tip of the guide bar contacts an object such as a log or a branch.**

Kickback is the most common hazard associated with chain saws and can result in serious injuries, and even fatalities.

- This chain saw features an inertia activated chain brake and a manually triggered chain brake. In the event of a particularly strong kickback inertia generated releases the brake lever triggering the chain brake. If the kickback is less the chain brake lever will activate on the operator's left hand (hence the necessity to always operate the saw two handed). There are different types of kickback and a couple of other associated risks.
- Because the saw chain is driven along the top of the guide bar away from the power head, contact with the kickback zone can translate the chain movement in the opposing direction on the guide bar. This is particularly the case if the chain becomes pinched or snags in the kickback zone of the guide bar.
- Another kickback danger can result in the chain saw being forced horizontally back towards the user. Kickback of this nature is the result of the chain along the top of the guide bar being pinched, translating the force backwards through the guide bar.
- The opposite of kickback is having the chain saw pulled away. Pull-in can be a result of the chain pinching along the bottom of the guide bar. As the chain along the bottom of the guide bar is returning to the power head the translating force pulls the chain saw from the operator's hands.
- In addition to kickback, risks such as skating and bouncing can lead to a loss of control of the chain saw. If the chain fails to make an initial incision it can move sideways along the timber 'skating' or 'bouncing'. This sideways movement can result in off balancing, overstretch, further loss of control or contact with the guide bar tip on another limb causing a kickback.
- To avoid kickback occurring, do not use the tip of the guide bar. Take note of foreign objects and other branches/limbs close to the area being cut.  
Note: They may not be in your line of sight. Always make the initial cut on the tension surface of the timber and use non metal spreading wedges to avoid the timber pinching the chain. Always begin cutting at full speed and ensure the body of the saw, in particular the spiked bumper, is against the timber.
- Cut only one piece of timber at any time and observe the timber while making the cut to ensure the tension was assessed correctly. Hold the chain saw firmly as described. Maintain a good firm stance and do not over reach. Do not cut above shoulder height. The use of a low kick back saw chain is also advised. These are designed specifically to help reduce the factors leading to kick back. Do not solely rely on the chain brake to stop an accident occurring or chain saw ppe to avoid injury. They are a deterrent.

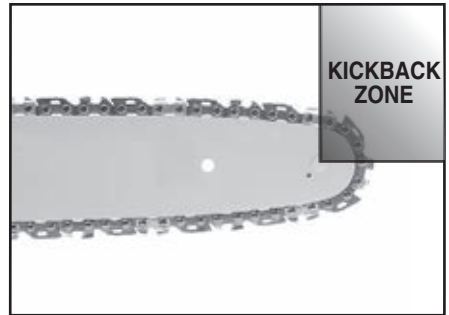


FIG.24

# 9. OPERATING INSTRUCTIONS

## 9.7 CHAIN BRAKE (FIG.25)

Before starting any cutting, manually check the chain brake lever (5) functions correctly moving backward and forward. Make these checks with the saw pre-heated and at tick over.

- If the chain brake is not working correctly or fails to operate at all, immediately switch off the engine. Do not attempt to operate the chain saw until this has been resolved and the safety device is operational again.

Have the chain brake checked by an authorised service agent regularly to ensure integrity of serviceable parts. A worn brake mechanism is dangerous.

## 9.8 CUTTING

Once all the preliminary checks have been thoroughly carried out, to ascertain the correct functionality of the chain saw and its various components, preparation for cutting can commence. See the general safety instruction section for details.

- Immediately after any cutting operation release the throttle to return the chain saw to idle.
- Do not force the chain to cut. A sharp chain should be left to cut at its own pace.

## 9.9 FELLING (FIGS.26 – 28)

Refer to general safety instructions for preparation & specific warnings.

- Always seek information from the local authority prior to cutting down any tree as regulations, laws and protection orders may affect or prohibit the work involved.
- To fell a tree safely many factors need taking into account and some preparation is also necessary. A safe perimeter at least 2½ times the height of the tree must be established warning of the activity taking place and preventing bystanders from entering.
- The direction of a falling tree can be influenced but not guaranteed. Roads, footpaths and services like overhead power/phone cables all present problems which need addressing.
- If unable to safely and satisfactorily resolve these issues, have a certified trained professional carry out the tree felling.
- The direction can be changed from that intended by factors such as wind, sloping terrain, tree growth (leaning, heavy limb structure one side and decay) etc. Failure to observe these factors or account for them can result in severe injury or fatality.
- Plan an escape route and ensure all scrub, debris and undergrowth is cleared so an unimpeded escape can quickly be made to safety if the felling direction unexpectedly changes.

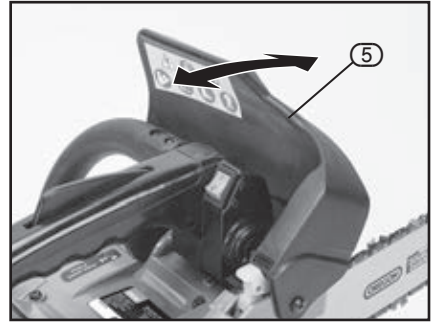


FIG.25

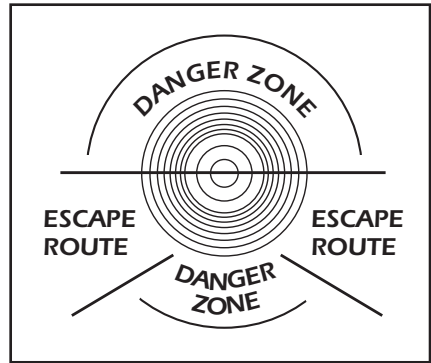


FIG.26

## 9. OPERATING INSTRUCTIONS

- Delimb the tree up to shoulder height of all branches. If the tree has large buttress roots (R) also remove these to enable the direction notch to be cut as close to the ground as possible.

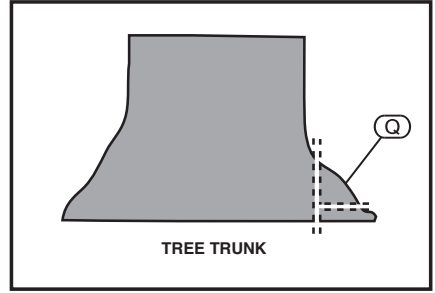


FIG.27

- The direction notch (S) should be started at 45° down into approximately one third the trees diameter.
- Cut the bottom of the notch at 90° and remove the wedge. On the opposite side of the tree and 5cm higher than the bottom of the notch, the felling cut (T) should be made at 90°. This cut must be made in one go and stop 5cm from the back of the notch. This creates the hinge which is very important as it helps control the felling. The hinge (U) must be parallel. Use the spiked bumper to obtain a firm grip and leverage while performing these cuts.
- The use of wedges should be employed to prevent the saw becoming pinched and to complete the fell safely.

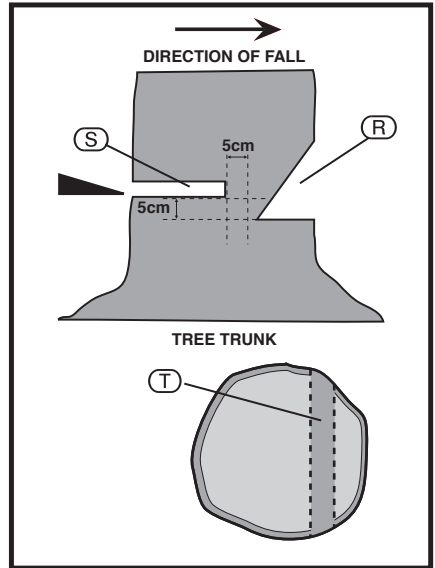


FIG.28

### 9.10 DELIMBING (FIG.29)

Refer to general safety instructions for preparatory and specific warnings.

- When removing smaller branches with a single cut, keep the tree between you and chain.
- For larger limbs make three cuts. The initial cut (V) in the tensioned underside of the limb one third of the way through. Use a pushing chain (the top of the guide bar) for this.
- The second cut (W) will be made all the way through with the underside of the guide bar.
- The third cut (X) is only necessary if the tree is not being felled, to leave a neat collar.
- On a felled tree always work from butt to tip with the tree on your right side. Always work with the trunk between you and the guide bar.

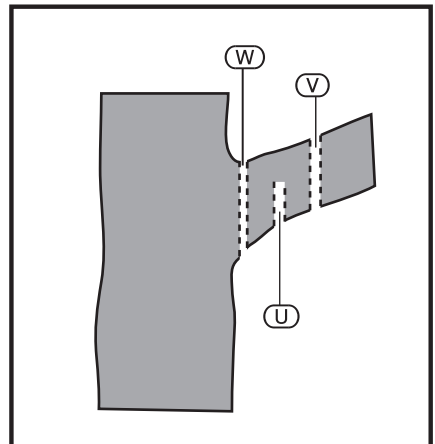


FIG.29



# 9. OPERATING INSTRUCTIONS

## 9.11 CROSS CUTTING/BUCKING (FIGS.30 – 32)

Refer to general safety instructions for preparatory and specific warnings.

- Regardless of the supporting method, when cross cutting the compression face of the timber must be initially cut followed by a secondary cut from the other side to meet completing the cut. The initial cut should be one third the diameter and the secondary cut two thirds.
- Incorrectly assessing the tension can result in the chain pinching or the timber splintering.
- For smaller logs always employ the use of a log saw stand/horse. Smaller logs must be secured before cutting commences as the chain speed can cause the log to move and possible kick up.
- Use the spiked bumper to obtain a firm grip and leverage while performing all cuts.

## 9.12 SAW CHAIN

- The chain saw is designed for cutting timber only. Do not allow the chain to come into contact with the ground as dirt and soil will dull the chain almost immediately. Hard wood will also rapidly dull the chain.
- When the chain is properly sharpened, work will not be tiring, the cutting yield is high, and there is no abnormal wear on the mechanical parts or the bar.

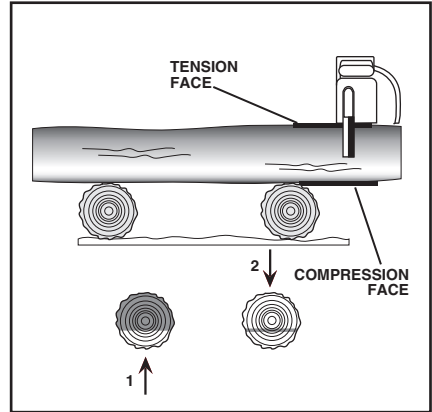


FIG.30

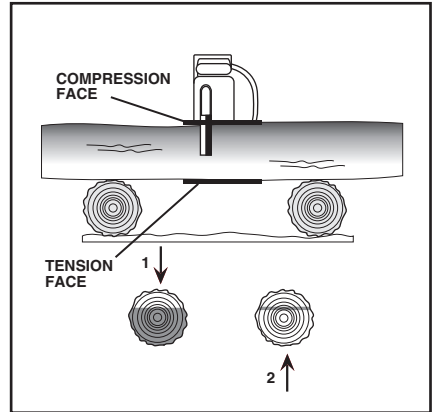


FIG.31

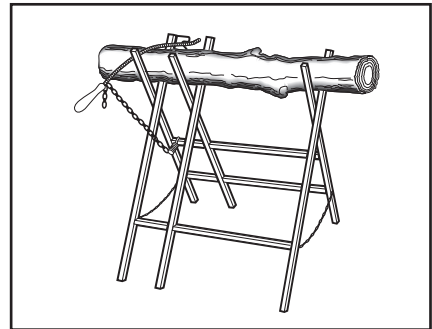


FIG.32

# 9. OPERATING INSTRUCTIONS

## 9.13 CHAIN LUBRICATION (FIG.33)

- Prior to use check for chain oil distribution on a piece of paper or cut timber. Observe spatter before continuing.
- If the chain is not sufficiently lubricated, increase the oil flow by rotating the setting screw (32) of the pump anti-clockwise.

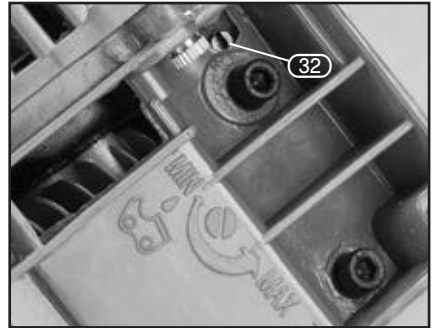


FIG.33

## 9.14 SHARPENING (FIG.34)

- Sawdust instead of chips is an indication that the saw chain needs sharpening, or replacing.
- Before sharpening, the chain must be made taught by means of the chain tensioner.
- After sharpening, slacken and adjust the chain as per the mounting instructions.
- During sharpening, lock the chain using the brake.
- Use a round file specific for the chain fitted. Observe the sharpening angle (Fig. 29 parts 2,3,5,6).
- Sharpen by filing from the inside outwards (Fig. 29 part 1) all the teeth on one side and then all the teeth on the other.
- Position the file to project 20% of its diameter above the cutter (Fig 29 part 4).
- Make sure every cutter is filed to the same length and angle and that all depth gauge links are the same height.
- Inconsistent angles can result in a poor cut or endanger the user. Seek advice from a professional if unsure.

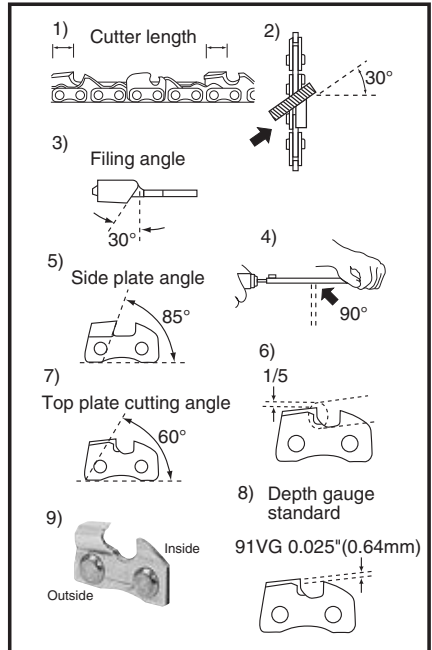


FIG.34

# 10. MAINTENANCE

---

## Warning:

- Stop engine, allow to cool and engage the chain brake before carrying out maintenance or adjustments to the machine.
- **Note:** Do not carry out repairs on the machine if you are not qualified to do so, with the exemption of the items listed in this maintenance section.

## 10.1 CARBURETOR ADJUSTMENT (FIG.35)

### Warning:

- During this operation the chain will be moving. Ensure protective equipment is worn and observe all necessary safety precautions.
- Note: The chain **MUST NOT** move while the engine is at idle speed.
- The carburettor on your chain saw has been set at standard values during manufacture. Adjustments to these values may be required occasionally.
- To adjust, start the engine and allow the machine to idle. If the engine stalls, the idle speed is too low. If the chain moves, the idle speed is too fast. Using a cross slot screwdriver, turn the adjustment screw (13) clockwise to increase engine speed, or anti-clockwise to decrease engine speed.

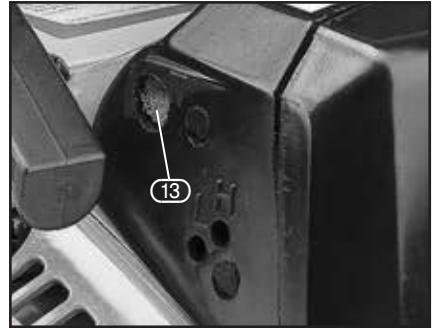


FIG.35

## 10.2 BAR MAINTENANCE (FIG.36)

- Periodically clean the chain run groove and oil passages.
- Lubricate the sprocket wheel with bearing grease.
- Reverse the guide bar on a regular basis to ensure uniform bar wear.
- Burring of the guide bar rails is normal. Remove these burrs as appropriate with a flat file.
- The guide bar should be replaced when the chain run groove is worn, the bar is damaged or if excessive burring or heating occurs.



FIG.36

# 10. MAINTENANCE

## 10.3 AIR FILTER (FIGS.37 – 39)

- A clogged air filter reduces the engine efficiency, consequently reducing cutting effectiveness while increasing fuel consumption.

Note: The air filter should be cleaned more frequently when the wood being cut is dry or the work environment dusty.

- Turn and loosen the air filter screw (17) and remove the air filter cover (16).
- Remove the air filter element (16.1) from the machine. Blow any loose dirt from inside, outwards. If dirt is hard to remove, wash using hot soapy water. Ensure filter is fully dry before refitting.
- Replace the filter if damaged (deformed or cracked).

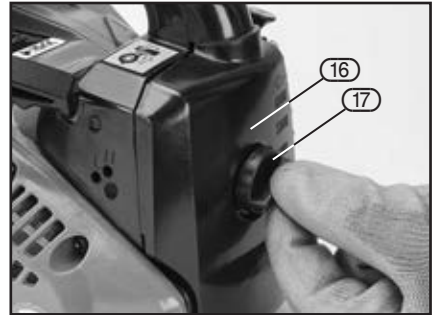


FIG.37

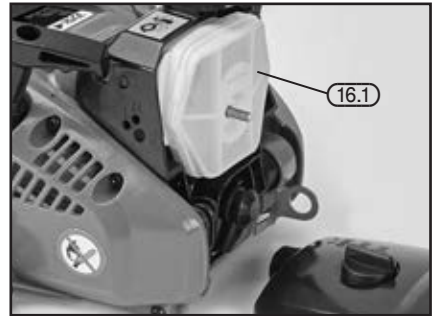


FIG.38



FIG.39

## 10.4 FUEL FILTER

The fuel filter should be replaced annually.

- To change the fuel filter, unscrew and remove the fuel tank cap. Using a pair of long nose pliers, pull the filter from the fuel tank. Carefully remove the metal filter clip and refit to new filter. Use only a genuine replacement filter.

## 10.5 OIL FILTER

- The oil filter should be replaced annually.
- To change the oil filter, unscrew and remove the oil tank cap. Using a pair of long nose pliers, gently pull the filter from the oil tank. Carefully remove the filter from the line and refit new filter. Use only a genuine replacement filter.

# 10. MAINTENANCE

## 10.6 SPARK PLUG (FIGS.40 – 42)

- The spark plug should be replaced annually or if the chain saw is experiencing starting problems.
- Turn and loosen the air filter screw (17) and remove the air filter cover (16).
- Carefully pull off the spark plug HT lead (16.2). Using the combination box spanner/screwdriver supplied (34) unscrew the plug.
- If the electrodes are excessively soiled or are very worn, replace with a suitable equivalent plug.

**Note:** Ensure the spark plug has the correct heat range for this machine. Excessive soiling can be due to an incorrect ratio of oil to fuel.

**Note:** The spark plug gap should be 0.6mm. Use feeler gauges to check the gap.

**Note:** Do not carry out repairs on the machine if you are not qualified to do so with the exemption of the items listed in this maintenance section.

**Danger:** In order to maintain the original safety features, do not make any changes to the machine. In case of repairs, use only genuine spare parts.

- Before each use check that there are no loose or damaged parts, cracks and signs of wear.
- Have damaged parts replaced by an authorised service agent before using the machine.

## 10.7 CLEANING, TRANSPORT & STORAGE

**Note:** Stop engine and allow to cool before cleaning, transporting or storing the chain saw.

- Clean the unit after each use. Only use a mild detergent and sponge on plastic surfaces. Do not use aggressive cleaning agents.
- Separation of fuel can lead to acids forming during storage. In order to avoid engine problems empty fuel system if storing for longer than 30 days. Empty the fuel tank, start the engine and allow to run until it stops. Ensure fresh fuel is used next season. Never use engine or carburettor cleaning products in the fuel tank as permanent damage may occur.
- Do not store the machine or fuel in an enclosed area where fuel vapours can reach sparks or flame from switches, heaters, electric motors etc.
- Store in a safe area out of the reach of children.

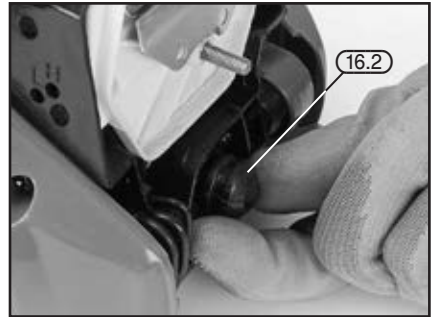


FIG.40

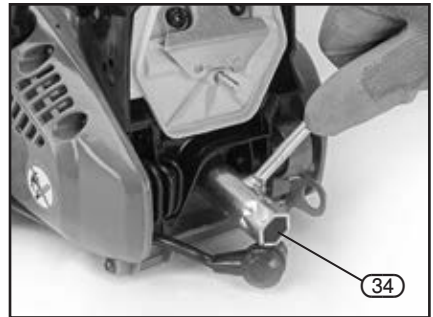


FIG.41

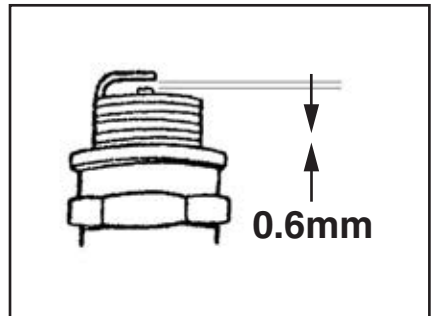


FIG.42

# 11. TROUBLESHOOTING

## 11.1 TROUBLESHOOTING GUIDE

Warning: always stop the unit and disconnect the spark plug prior to performing any of the remedies, except where the remedy requires the engine to be running.

**Important:** Please note all repairs/service should be carried out by an authorised service agent.

Problem	Probable cause	Suggested remedy
1. Engine will not start	Engine stop switch activated.  Little or no fuel.  Stagnant fuel (fuel has been stored too long).  Spark plug electrode fouled or the gap is incorrectly set.  Spark plug H.T. lead not properly connected.  Choke set incorrectly for the starting conditions.  Air filter clogged.  Engine flooded with fuel (the engine has been over primed)  Fuel filter clogged	Slide stop switch back to on position.  Mix up a fresh batch of 25:1 [fuel with 2-stroke oil] and refill.  Drain fuel tank. Mix up a fresh batch of 25:1 [fuel with 2-stroke oil] and refill.  Remove and service/replace spark plug  Push H.T. lead on firmly and make sure the engine housing is not preventing a good connection.  Move the choke to the other setting and try again.  Clean/replace air filter.  Remove spark plug and dry the electrode of fuel. Pull the start handle 2 or 3 times without the spark plug fitted. Wait a moment before refitting the spark plug and trying again.  Replace fuel filter [in fuel tank].
2. Engine will not restart after refuelling.	No fuel in the lines.	If the engine was run until starved of fuel, repriming may be necessary to purge any air from the fuel supply line.

# 11. TROUBLESHOOTING

<b>Problem</b>	<b>Probable cause</b>	<b>Suggested remedy</b>
3. Engine runs roughly.	Choke set incorrectly. Service due.  Stagnant fuel (fuel has been stored too long).	Adjust choke.  Clean/replace air filter and spark plug.  Drain fuel tank. Mix up a fresh batch of 25:1 (fuel with 2-stroke oil) and refill.
4. Heavy blue smoke from exhaust.	The fuel mix is incorrect.	Drain fuel tank Mix up a fresh batch of 25:1 (fuel with 2-stroke oil) and refill.
5. Engine will not start.	Power switch off. Spark plug lead disconnected. Out of fuel. Spark plug wet, faulty or improperly gapped.  Fuel line hose not positioned in bottom of fuel tank.	Flip switch to ON position. Connect spark plug lead to spark plug. Refuel. Clean, replace or gap spark plug. Hold throttle control wide open when pulling recoil handle. Push fuel line down into fuel in the fuel tank.
6. Engine runs rough, floods during operation.	Dirty air filter. Choke partially engaged. Carburettor out of adjustment.	Clean or replace air filter. Turn off choke. Call service agent.

# 11. TROUBLESHOOTING

Problem	Probable cause	Suggested remedy
7. Engine is hard to start.	Start fuel.  Spark plug lead loose.  Dirty carburettor.  Throttle control not held wide open.	Drain old fuel and replace with fresh – use stabiliser at the end of season.  Make sure spark plug lead is securely attached to spark plug.  Clean carburettor, use fuel stabiliser, new fuel can.  Prime unit three more times, then hold throttle wide open when pulling recoil handle.
8. Engine misses or lacks power.	Clogged fuel tank. Clogged air filter. Carburettor out of adjustment or badly set. Spark plug wet, faulty or improperly gapped.	Remove and clean. Clean or replace. Call service agent.  Clean, replace or gap spark plug.
9. Engine runs, then quits.	Plugged fuel filter. Carburettor cut off adjustment badly set.	Clean or replace. Call service agent.
10. Engine revs too high.	Carburettor out of adjustment.	Call service agent.
11. Chain does not move or is tight.	Chain brake engaged. Insufficient chain lubrication.	Adjust carburettor idle. Fill chain oil tank and refill with correct oil/fuel mixture.
12. Chain moves while engine at idle speed.	Carburettor requires adjusting. Clutch fault.	Adjust carburettor idle.  Contact authorised service agent.



# 12. EXPLANATION OF SYMBOLS

---

## 12.1 EXPLANATION OF SYMBOLS



Single value noise marking.  
(Maximum declared A-Weighted  
sound power level in decibels).



Danger of kickbacks.  
Kickbacks can cause  
lethal wounds.



Always wear personal protective  
equipment, ear defenders, face  
protection and helmet.



Warning.



Read the instruction manual.



Always wear safety footwear.



Always wear gloves.

# 13. DISPOSAL

---

## 13.1 DISPOSAL

- At the end of the machine's working life, or when it can no longer be repaired, ensure that it is disposed of according to national regulations.
- Contact your local authority for details of collection schemes in your area.

In all circumstances:

- Do not dispose with domestic waste.
- Do not incinerate.
- Do not abandon in the environment.
- When decommissioning (preparing the machine to be scrapped) drain any remaining fuel and oil for separate disposal.



## CONTACTS

Draper Tools Limited, Hursley Road,  
Chandler's Ford, Eastleigh, Hampshire. SO53 1YF. U.K.

Helpline: (023) 8049 4344

Sales Desk: (023) 8049 4333

Internet: [drapertools.com](http://drapertools.com)

E-mail: [sales@drapertools.com](mailto:sales@drapertools.com)

General Enquiries: (023) 8026 6355

Service/Warranty Repair Agent:

For aftersales servicing or warranty repairs, please contact the  
Draper Tools Helpline for details of an agent in your local area.

YOUR DRAPER STOCKIST

RDPR0421

©Published by Draper Tools Limited.

No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical photocopying, recording or otherwise without prior permission in writing from Draper Tools Ltd.