20V 20CM CORDLESS CHAINSAW HEAD - BODY ONLY

MODEL NO: **CP20VPSH**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.


Refer to instructions


Wear eye protection


Wear protective gloves


Wear safety footwear


Wear protective clothing


Wear ear protection


Wear a Face shield


Wear head protection

1. SAFETY


Keep away from rain


Beware of Electrical Power Cables

1.1. GENERAL SAFETY

- ✓ Familiarise yourself with the applications, limitations and potential hazards peculiar to the cordless chain saw.
- ✓ Read all safety warnings, instructions and specifications provided.
- ✓ Maintain the cordless chainsaw in good condition. Check for alignment or binding of moving parts and other conditions that may compromise the saws performance.
- ✓ Replace or repair damaged parts. Use recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Keep the cordless chainsaw clean for best and safest performance.
- ✓ Evaluate your working area. Determine the presence of any hazards such as power cables, communication cables, fences, walls or other solid objects.
- ❑ **WARNING!** Cutting through or touching high voltage cables with the cordless chainsaw could result in death or serious personal injury due to electric shock.
- ✓ Keep children and unauthorised persons away from the working area.
- ✓ Keep working area clear. Periodically remove fallen cuttings to a safe area to avoid trip hazards.
- ✓ Only operate the cordless chainsaw in daylight hours with good visibility.
- ✓ Wear suitable ear protection and clothing. Use personal protective equipment (PPE). A full range of personal safety equipment is available from your Sealey stockist.
- ❑ **WARNING!** Wear safety helmet, protective eye shield and gloves to protect yourself from falling objects or flying debris.
- ❑ **WARNING!** Wear suitable gloves for the application, **DO NOT** wear cloth gloves, these may become entangled within moving parts, resulting in possible personal injury.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings, loose jewellery and contain long hair.

1.2. CORDLESS CHAINSAW SAFETY

- ✓ Keep handles and grasping surfaces clean and free from oil and grease.
- ✓ Be alert. Use common sense when operating the cordless chainsaw.
- × **DO NOT** operate the cordless chainsaw if any of the parts are missing as this may cause failure and/or possible personal injury.
- × **DO NOT** operate the cordless chainsaw when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- × **DO NOT** use the cordless chainsaw for a task it is not designed to perform.
- × **DO NOT** use the cordless chainsaw if the switch does not turn it on and off.
- × **DO NOT** use the cordless chainsaw where there are flammable liquids, solids or gases, such as paint solvents, etc.
- × **DO NOT** get the cordless chainsaw wet or use in damp or wet locations.
- × **DO NOT** allow children or untrained persons to operate the cordless chainsaw.
- × **DO NOT** attempt to modify the cordless chainsaw.
- × **DO NOT** use the cordless chainsaw in bad weather conditions, especially when there is the risk of lightning or in darkness.
- ✓ Before assembling or adjusting the cordless chainsaw, switch off and remove the battery.
- ✓ Wear protective gloves, not cloth gloves, when handling the saw chain or adjusting the chain tension.
- ✓ Frequently check the chain tension. Adjust as required.
- ✓ Refill the chain oil as required, using a good quality chain oil.
- ✓ In the event of an emergency, immediately switch the cordless chainsaw off.
- × **DO NOT** use the cordless chainsaw again until the problem has been diagnosed and rectified.
- ✓ If there is an abnormal occurrence (noise, vibration), during use, immediately switch the cordless chainsaw off.
- ✓ Use the shoulder harness. Keep the cordless chainsaw firmly to your right side.
- ✓ Hold the front grip with your left hand and the rear grip with your right hand, regardless if you are left or right handed.
- ✓ Fully grasp the grips.
- ✓ Hold the cordless chainsaw by the insulated gripping surfaces only. The saw chain may contact hidden wiring which could cause personal injury from electric shock.
- × **DO NOT** operate the cordless chainsaw with one hand. Loss of control may result in serious personal injury or death.
- × **DO NOT** over reach. Maintain correct balance and footing and wear non-slip protective footware.
- × **DO NOT** stand on an unstable or slippery surface, or a steep incline. In winter take precautions to maintain secure footing on ice or snow.
- × **DO NOT** operate the cordless chainsaw whilst standing on a ladder or standing within a tree.
- ✓ If the cordless chainsaw receives a heavy impact or is dropped, check it's condition. If there is any damage, however slight, have it repaired by an authorised Sealey service centre.
- × **DO NOT** leave the cordless chainsaw running unattended. Always switch off and remove the battery.
- × **DO NOT** raise your right arm above shoulder height when operating the cordless chainsaw.
- ✓ Take frequent breaks. Operating the cordless chainsaw when tired may lead to lose of control and personal injury.

© Jack Sealey Limited

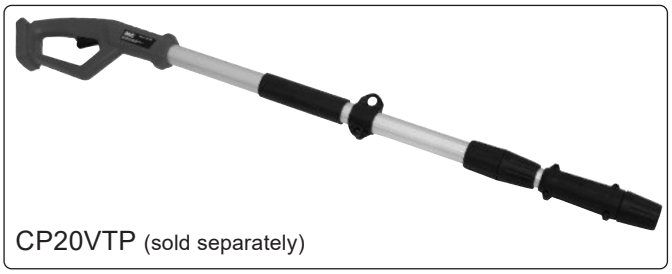
- ✓ If the saw chain becomes clogged or jammed whilst cutting, switch off and remove the battery prior to taking any remedial work.
- ✓ Before attempting any cutting determine an escape area. Remove all obstructions such as tools and cuttings.
- ✓ Prior to cutting branches or limbs determine the possible falling direction. Take into account the condition of the branches and limbs of adjoining trees and wind direction etc.
- ✓ Be aware of any rebound of the branch when it hits the ground.
- × **DO NOT** hold the cordless chainsaw at an angle of more than 60º. Falling objects could strike the operator causing possible serious personal injury.
- × **DO NOT** stand underneath the branch or limb being cut.
- ✓ Keep the cordless chainsaw running through all of the cut. Stopping the saw chain mid-cut may cause entrapment of the chainsaw.
- ✓ If the saw chain becomes entrapped, immediately stop the cordless chainsaw and remove the battery. Carefully move the branch to allow the saw chain to be removed.
- ✓ Avoid kickback (rotational force towards the operator). To prevent kickback never use the guide bar nose as a penetrating cut. Always be aware of the position of the guide bar nose when cutting.
- × **DO NOT** cover the vents of the cordless chainsaw.
- ❑ **WARNING!** Be aware that the cordless chainsaw will not stop instantly when switched off, but will continue to move a short distance before stopping.
- ❑ **WARNING!** The warnings, cautions and instructions in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.
- ❑ **WARNING!** Keep all parts of the body away from the blade. Do not remove cut material or hold material to be cut when blades are moving. Blades continue to move after the switch is turned off. A moment of inattention while operating the hedge trimmer may result in serious personal injury.
- ✓ Carry the hedge trimmer by the handle with the blade stopped and taking care not to operate any power switch. Proper carrying of the hedge trimmer will decrease the risk of inadvertent starting and resultant personal injury from the blades.
- ✓ When transporting or storing the hedge trimmer, always fit the blade cover. Proper handling of the hedge trimmer will decrease the risk of personal injury from the blades.

2. INTRODUCTION

Cordless telescopic chainsaw head - body only. Ideal for precision cutting whilst reaching hanging branches and tall hedges. Must be used in conjunction with Telescopic Pole Model No. CP20VTP (sold separately). High quality cutting performance with an Oregon chain and bar with easy no tools needed to change. Continuous cutting speed of 8m/s. 90° Pivoting head is ideal for those hard-to-reach areas. Automatic chain lubrication with 100ml capacity oil tank. Requires compatible 20V battery and mains charger, sold separately.



CP20VPSH



CP20VTP (sold separately)

3. SPECIFICATION

Model No:	**CP20VPSH**
Battery:	CP20VBP2, CP20VBP4, CP20VBP6
Blade length:	20cm
Consumable Parts:	CP20VMC - Battery Charger (not included)
No-load Speed:	Cutting Speed - 8m/s
Teeth distance:	3/8” - 9.5mm
Voltage:	20V

4. ASSEMBLY

4.1. REMOVING SAW CHAIN

- ❑ **WARNING!** Ensure the cordless chainsaw is switched off and the battery is removed prior to removing or installing saw chain.
- ❑ **WARNING! DO NOT** handle the saw chain with bare hands. Always wear protective gloves, not cloth gloves, the saw chain has sharp edges.
- ❑ **WARNING!** After use the saw chain will be hot. Allow the saw chain to cool prior to removing or installing saw chain.

4.1.1. Place forefinger onto outer edge of tension knob and position your thumb on the lever, in line with directional arrow (fig 1).
4.1.2. Push inwards and upwards to release the lever, until it locks into position (fig 2).
4.1.3. Turn the lever anticlockwise until the sprocket cover comes off. Place the sprocket cover in a secure safe place (fig 2).
4.1.4. Remove the saw chain and guide bar from the chainsaw body (fig 3).

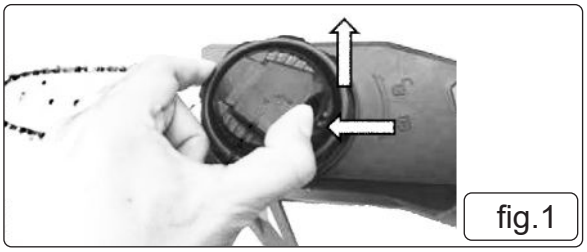


fig.1



fig.2

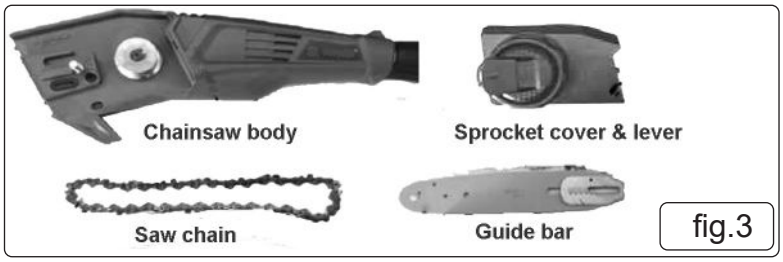


fig.3

© Jack Sealey Limited

4.2. INSTALLING SAW CHAIN

4.2.1. Fit one end of the saw chain around the guide bar, aligning inner edge of chain into groove on guide bar (fig 5).
NOTE: Ensure that the directional arrow on the saw chain corresponds with chain directional arrow on guide bar (fig 4).

4.2.2. Fit other end of saw chain around the sprocket in the chainsaw body (fig 5).

4.2.3. Position and locate the guide bar with the attached saw chain onto the chainsaw body by placing the slotted hole on the guide bar over the threaded stud bolt on the chainsaw body (fig 5).

❑ **WARNING!** Take care when handling the saw chain, it has sharp edges. Wear gloves, not cloth gloves.

4.2.4. Place the sprocket cover onto the chainsaw body, tilt slightly and locate smaller tab, on sprocket cover, into groove on chainsaw body, and at the same time locate the long tab, into slot on chainsaw body (fig 6).

4.2.5. Release the lever, see section 4.1.2, manoeuvre the sprocket cover until it clicks into place.

4.2.6. Hold the end of the guide bar and outwardly pull. Tighten the tension knob by turning clockwise (fig 7).

4.2.7. Turn the lever clockwise until the sprocket cover is secured into place (fig 8).

4.2.8. Push end of lever inwards and lower into the tension knob. Release level to lock into position (fig 9).

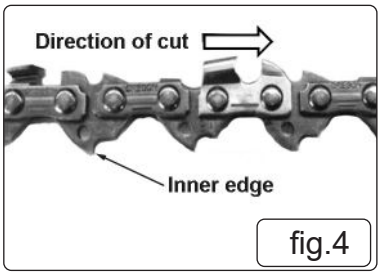


fig.4

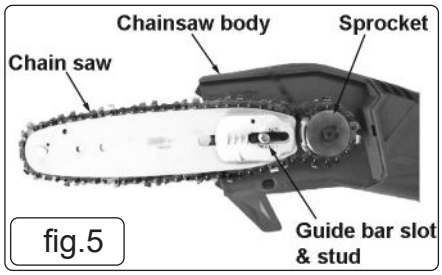


fig.5

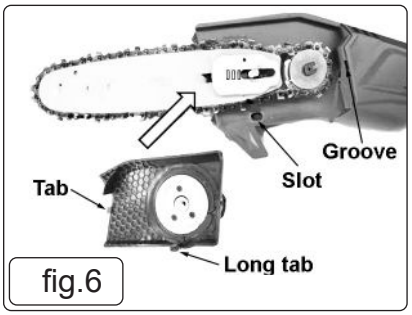


fig.6

4.3. ADJUSTING SAW CHAIN TENSION

NOTE: The saw chain may become loose after many hours of use. Periodically check the saw chain tension prior to use.

4.3.1. Pull the lever up. See sections 4.1.1 and 4.1.2.

4.3.2. Loosen slightly by turning counter clockwise, to loosen sprocket cover (fig 8).

4.3.3. Turn the tension knob clockwise to tighten the saw chain, until the lower side of the saw chain fits into the guide rail.

4.3.4. Hold the guide bar into position and turn the lever clockwise, until the sprocket cover is secure (fig 9).

4.3.5. Return the lever into it's locked position. See section 4.2.8.

❑ **WARNING! DO NOT** over tighten the tension knob. Excessive tension may cause saw chain breakage and guide bar wear. Similarly a saw chain that is too loose could jump off the guide bar causing possible personal injury.

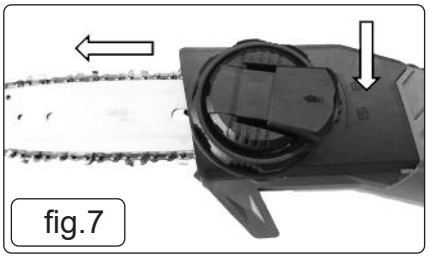
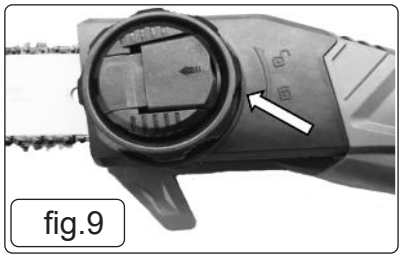

fig.7


fig.8


fig.9

5. ATTACHMENT TO POLE

5.1. ATTACHMENT TO TELESCOPIC POLE

❑ **WARNING!** Before attaching or separating the cordless chainsaw from the telescopic pole switch off and remove the battery.

5.1.1. Align the tongues of the cordless chainsaw pole (fig 10) with the grooves in the upper section of the telescopic pole (fig 11) and push together as far as possible (fig 12).

5.1.2. Tighten the locking joint nut by turning it counter clockwise until locked (fig 13).

5.1.3. To separate again reverse sections 5.1.2 and 5.1.1.

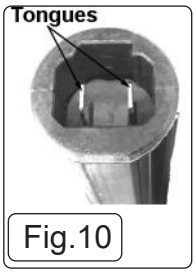


Fig.10

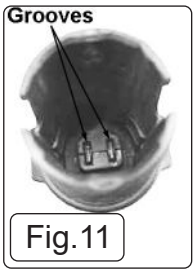


Fig.11

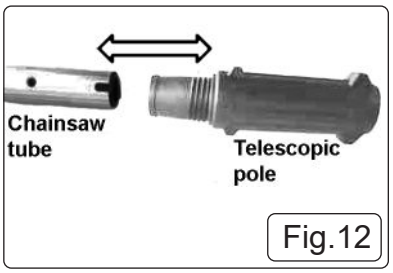


Fig.12

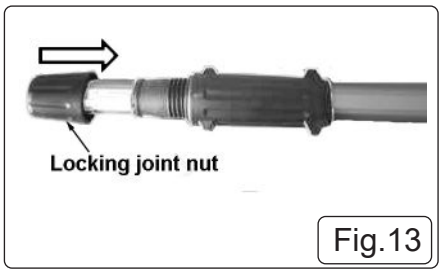


Fig.13

6. OPERATION

❑ **WARNING!** Ensure all Safety Instructions in Section 1 are read and understood and carried out before use. Save the instructions and warnings for future reference.

6.1. SHOULDER HARNESS

6.1.1. Securely fasten the buckle (fig 14) and hook the harness clasp onto the telescopic poles hook fixing bracket (fig 15).

6.1.2. Place the harness over your right shoulder only (fig 16).

6.2. USING THE CORDLESS CHAINSAW

6.2.1. Stand on a stable surface. Hold the chainsaw away from the branches at approx. 60º to the ground (fig 17).

6.2.2. Start the chainsaw and gently press the saw chain onto the branch to be cut.

6.2.3. When cutting long branches, divide the branch into cut length sections working inwards from the tip towards the trunk.

6.2.4. When cutting thicker branches, firstly, make a shallow undercut and then finish the cut from the top.
NOTE: If you attempt to cut off thicker branches from below, the branch may close in and pinch the saw chain in the cut, also, if you attempt to cut off thick branches from the top without a shallow undercut, the branch may splinter.

6.3. CARRYING THE CORDLESS CHAINSAW

6.3.1. Prior to carrying the cordless chainsaw remove the battery and then attach the guide bar cover (fig 18).

© Jack Sealey Limited

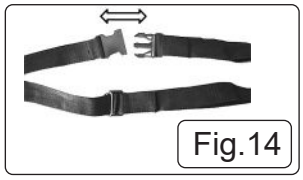
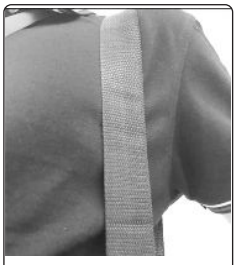

Fig.14


Fig.15


Fig.16

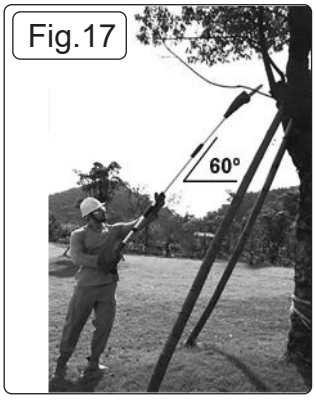
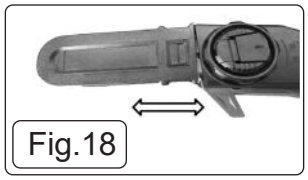


Fig.17


Fig.18

7. MAINTENANCE

7.3.1. Have your cordless chainsaw serviced by a qualified repair person using only genuine replacement parts. This will ensure that the safety of the cordless chainsaw is maintained.

7.3.2. After each use tighten all nuts and screws except adjustment screws.

7.3.3. Keep the saw chain sharp.

× **DO NOT** attempt any maintenance or repairs that are not included in this manual.

❑ **WARNING!** Ensure that the cordless chainsaw is switched off and that the battery is removed prior to an inspection or performing any maintenance.

❑ **WARNING!** Wear gloves, not cloth gloves, during an inspection or any maintenance.

7.1. LUBRICATION

NOTE: The saw chain is automatically lubricated during the cutting operation.

7.1.1. To fill or top up the oil reservoir, lay the chainsaw body onto it's side, lift up the lever on the reservoir cap and turn counter clockwise and fully remove the cap (fig 19).

7.1.2. Fill the reservoir up to the bottom lip of the filler neck (fig 20).

NOTE: Max. volume of oil = 160ml. Use a good quality chain oil.

7.1.3. Replace and fully tighten reservoir cap.

❑ **WARNING! DO NOT** allow the oil reservoir to run dry.

7.1.4. Periodically check levels through reservoir window (fig 20).

7.1.5. After refilling run the chain saw until the saw chain is fully lubricated.

✓ Use only correct oil for application. Contact your Sealey stockist for advice.

✓ Use only clean oil that is free from sawdust etc.

✓ When pruning trees use botanical oil. Mineral oil can be harmful to trees.

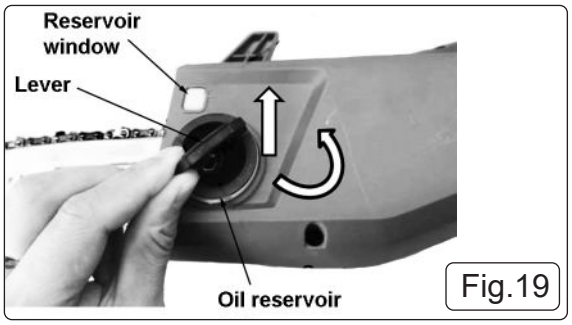


Fig.19

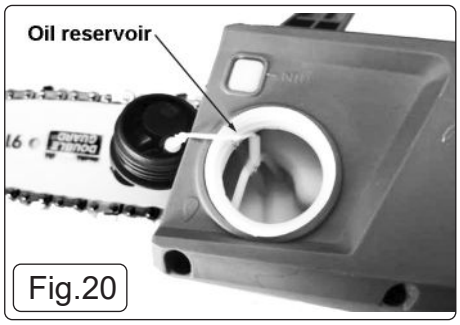


Fig.20

7.2. SHARPENING THE SAW CHAIN

7.2.1. The saw chain will require sharpening when:

a) Mostly sawdust is produced when damp wood is cut.

b) The saw chain has difficulty penetrating the wood, even when extra cutting pressure is applied.

c) The cutting edge is visibly damaged.

d) The chainsaw pulls to the left or right when trying to cut through the wood. This is caused by uneven sharpening of the saw chain or damage to one side of the saw chain.

THE SHARPENING OF THE SAW CHAIN REQUIRES THE USE OF SPECIALIST TOOLS, IT IS THEREFORE RECOMMENDED THAT THIS OPERATION IS UNDERTAKEN BY AN AUTHORISED SEALEY SERVICE CENTRE.

7.3. CLEANING THE CHAINSAW BODY

7.3.1. Clean with a soft clean cloth.

× **DO NOT**: use solvents to clean the chainsaw.

7.4. CLEANING THE GUIDE BAR

7.4.1. Chips and sawdust, during use, will build up in the guide bar groove. This could clog the groove in the guide bar and impair the oil flow onto the saw chain.

7.4.2. Clean out these chips and sawdust every time the saw chain is removed, replaced or sharpened, with a slotted screwdriver or stiff brush (fig 21).

7.5. CLEANING THE SPROCKET COVER

7.5.1. During use, chips and sawdust will accumulate inside the sprocket cover.

7.5.2. Remove the sprocket cover, guide bar and saw chain. See section 4.1.

7.5.3. Remove any sawdust or chips with a soft brush, and dispose responsibly (fig 22).

7.5.4. Reinstall the sprocket cover, guide bar and saw chain. See section 4.2.8.

© Jack Sealey Limited

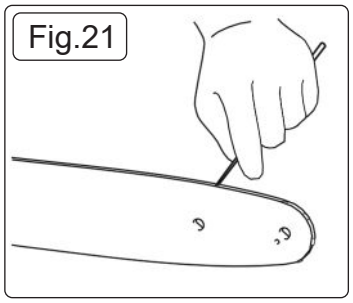
7.6. CLEANING THE OIL DISCHARGE HOLE

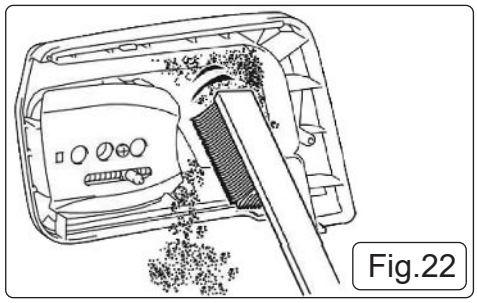
7.6.1. During use, smaller sawdust particles may build up in the oil discharge hole impairing the oil flow to the saw chain.

7.6.2. Remove the sprocket cover, guide bar and saw chain. See section 4.1.

7.6.3. Remove the small dust particles with a small flat head screw driver, a small brush or soft cloth (fig 23).

7.6.4. Reinstall the sprocket cover, guide bar and saw chain. See section 4.2.8.


Fig.21


Fig.22

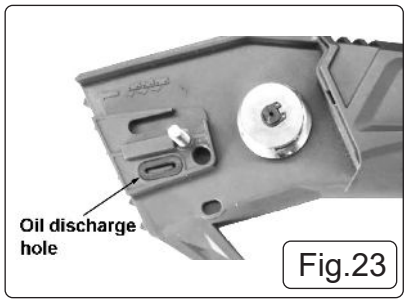


Fig.23

7.7. REPLACING THE SPROCKET

7.7.1. Prior to fitting a new saw chain inspect the condition of the sprocket for wear (fig 24).

7.7.2. Remove the sprocket cover, guide bar and saw chain. See section 4.1.

7.7.3. Remove the sprocket cir-clip and sprocket (fig 25).

7.7.4. Install the new sprocket and cir-clip.
NOTE: Always fit a new cir-clip when replacing the sprocket.

7.7.5. Reinstall the sprocket cover, guide bar and saw chain. See section 4.2.8.

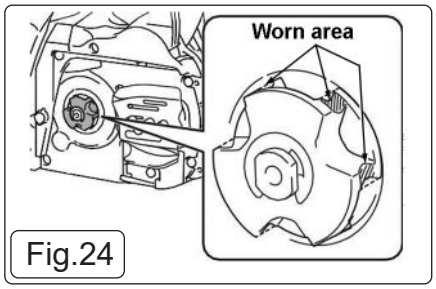


Fig.24

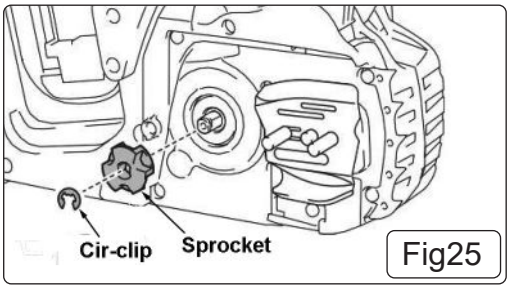


Fig25

8. TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
The chainsaw does not start	No battery charge	Recharge the battery cartridge. Replace the battery if recharging is ineffective
	Mains power is switched off	The chainsaw will automatically turn off if not operated for a certain period. Switch the mains power on again.
The chainsaw stops working after minimal use	Low battery charge	Recharge the battery cartridge. Replace the battery if recharging is ineffective
No oil on the chain	Oil reservoir is empty	Fill the oil reservoir
	Oil guide groove is dirty	Clean the groove
	Poor oil delivery	Adjust the oil delivery with adjusting screw
The chain saw fails to reach maximum RPM	Battery cartridge is installed incorrectly	Correctly install battery cartridge
	Battery power drops	Recharge the battery cartridge. Replace the battery if recharging is ineffective
	The drive system does not work correctly	Repair at authorised Sealey service centre
Abnormal vibration **STOP IMMEDIATELY**	Loose guide bar or saw chain	Adjust the guide bar and saw chain tension
	Tool malfunction	Repair at authorised Sealey service centre

© Jack Sealey Limited

WARNING! – Risk of Hand Arm Vibration Injury.

This tool may cause Hand Arm Vibration Syndrome if its use is not managed adequately.
This tool is subject to the vibration testing section of the Machinery Directive 2006/42/EC.
This tool is to be operated in accordance with these instructions.
Measured vibration emission value (a): 1.868m/s²
Uncertainty value (k): 1.5m/s²
Please note that the application of the tool to a sole specialist task may produce a different average vibration emission. We recommend that a specific evaluation of the vibration emission is conducted prior to commencing with a specialist task.
A health and safety assessment by the user (or employer) will need to be carried out to determine the suitable duration of use for each tool.
NB: Stated Vibration Emission values are type-test values and are intended to be typical.
Whilst in use, the actual value will vary considerably from and depend on many factors.
Such factors include; the operator, the task or consumable.
The state of maintenance of the tool itself is also an important factor, a poorly maintained tool will also increase the risk of Hand Arm Vibration Syndrome.

Health surveillance.

We recommend a programme of health surveillance to detect early symptoms of vibration injury so that management procedures can be modified accordingly.

Personal protective equipment.

We are not aware of any personal protective equipment (PPE) that provides protection against vibration injury that may result from the uncontrolled use of this tool. We recommend a sufficient supply of clothing (including gloves) to enable the operator to remain warm and dry and maintain good blood circulation in fingers etc. Please note that the most effective protection is prevention, please refer to the Correct Use and Maintenance section in these instructions. Guidance relating to the management of hand arm vibration can be found on the HSE website www.hse.gov.uk - Hand-Arm Vibration at Work.

ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

REGISTER YOUR PURCHASE HERE

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.
Important: No Liability is accepted for incorrect use of this product.
Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

Sealey Group, Kempson Way, Suffolk Business Park, Bury St Edmunds, Suffolk. IP32 7AR
01284 757500 **sales@sealey.co.uk** **www.sealey.co.uk**

© Jack Sealey Limited