

Clearline®



PETROL DRIVEN LOG SPLITTER

MODEL NO: LOGBUSTER P8

PART NO: 3402041

OPERATION & MAINTENANCE INSTRUCTIONS



ORIGINAL INSTRUCTIONS

DL1221

INTRODUCTION

Thank you for purchasing this CLARKE Petrol Log Splitter product.

Before attempting to operate the machine, it is essential that you read this manual thoroughly and carefully follow all instructions given. In doing so you will ensure the safety of yourself and that of others around you, and you can also look forward to the product giving you long and satisfactory service.



CAUTION: CAREFULLY READ THROUGH THIS ENTIRE OPERATOR'S MANUAL BEFORE USING YOUR NEW LOG SPLITTER. TAKE SPECIAL CARE TO HEED THE CAUTIONS AND WARNINGS.

SPECIFICATIONS

Engine Power		196cc/6.5Hp
Operating Temperature		-5°C to 40°C
Recommended Wood Types		Pine, Oak, Spruce, Beech
Log Size Capacity	Diameter	70-350 mm
	Length	120-520 mm
Splitting Force		8 Tonnes
Hydraulic Pressure		21 Mpa
Hydraulic Oil Capacity		3.5 L
Ram Travel		45.5 cm
Pusher Speed	Forward	4.4 - 10.9 cm/sec
	Retract	7.8 cm/sec
Sound Pressure Level (LpA)		90 db
Sound Power Level (LWA)		108 db
Dimensions	Length	1800 mm
	Width	710 mm
	Height	780 mm
Weight		104 kg

SAFETY SYMBOLS

The following symbols represent important information about the product or instructions on its use.

	Read these instructions in full before using the machine.		Dispose of any used oil in an environment-friendly way.
	Wear safety footwear!		Do not use in the rain.
	Wear protective gloves!		Danger! Keep clear of moving parts!
	Wear eye protection!		Do not remove jammed logs with your hands.
	Wear hearing protection!		Before starting any repair maintenance or cleaning, ALWAYS switch the engine off.
	Keep your work space tidy! Untidiness may result in accidents.		Avoid injury from the movement of the splitting blade
	Do not remove or tamper with any protection or safety device.		Keep bystanders away from the working area.

GENERAL SAFETY RULES



WARNING: READ ALL OF THESE INSTRUCTIONS. FAILURE TO FOLLOW ALL INSTRUCTIONS LISTED BELOW MAY RESULT IN FIRE AND/OR SERIOUS INJURY. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

WORK AREA

1. Keep the work area clean and well lit. Cluttered and dark areas invite accidents.
2. **DO NOT** not operate log splitters in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Log splitters can create sparks which may ignite the dust or fumes.
3. **DO NOT** not operate this log splitter in enclosed or confined spaces as the engine will give off harmful exhaust fumes.
4. Keep children and bystanders away while operating the log splitter. Distractions can cause you to lose control.
5. The surface must be perfectly level to prevent the machine from moving during operation.

PERSONAL SAFETY

1. Stay alert, watch what you are doing and use common sense when operating a log splitter. **DO NOT** use the log splitter while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating log splitters may result in serious personal injury.
2. Use safety equipment. **ALWAYS** wear eye and ear protection. Safety equipment such as non-skid safety shoes, close fitting clothing and suitable work gloves should always be used.
3. **DO NOT** overreach. Keep proper footing and balance at all times. This enables better control of the log splitter in unexpected situations.
4. Dress properly. **DO NOT** wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

USAGE AND CARE

1. **DO NOT** force the log splitter. It will do the job better and safer at the rate for which it was designed.
2. Store the log splitter out of the reach of children and **DO NOT** allow persons unfamiliar with log splitters or these instructions to operate the log splitter. Log splitters are dangerous in the hands of untrained users.

3. Maintain the log splitter. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the log splitters operation. If damaged, have the log splitter repaired before use.
4. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

SERVICING

1. Have your log splitter serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the log splitter is maintained.

LOG SPLITTER SPECIFIC WARNINGS

- The splitting operation of the machine is designed to be activated by one person. While there is the possibility that additional operators could be working with the machine (e.g. for loading and unloading), only one operator should perform splitting operations.

UNDERSTAND YOUR LOG SPLITTER

- Read and understand the owner's manual and labels affixed to the log splitter. Learn its limitations as well as the specific potential hazards.

AVOID DANGEROUS WORKING CONDITIONS

- **ALWAYS** operate your log splitter on dry, solid, level ground. Never operate your log splitter on slippery, wet, muddy, or icy surfaces. The location you choose should be free from any tall grass, brush, or other interferences.
- There should be plenty of room for handling.
- Keep your work area clean and well lit. Cluttered areas invite injuries. To avoid tripping, **DO NOT** leave tools, logs, or other components laying around the work area.
- **DO NOT** use the log splitter in wet or damp areas or expose it to rain.
- **DO NOT** use it in areas where fumes from paint, solvents or flammable liquids pose a potential hazard.

INSPECT YOUR LOG SPLITTER

- Check your log splitter before starting. Keep guards in place and in working order.
- Replace damaged, missing or failed parts before using it.
- Make sure all nuts, bolts, screws, hydraulic fittings etc. are securely tightened.

- **ALWAYS** check the oil level in the hydraulic oil tank.
- **ALWAYS** check the oil level in the engine, see page 15.
- **NEVER** operate your log splitter when it is in need of repair or is in poor mechanical condition.

DRESS PROPERLY

- **DO NOT** wear loose clothing, gloves, neckties or jewellery (rings, wrist watches). They can be caught in moving parts. Protective electrically non-conductive gloves and non-skid footwear are recommended when working. Wear protective hair covering to contain long hair, preventing it from get caught in machinery.

PROTECT YOUR EYES AND FACE

- Any log splitter may throw foreign objects into the eyes. This can cause permanent eye damage. **ALWAYS** wear safety goggles. Everyday eyeglasses have only impact resistant lenses. They are not safety glasses.

PREVENT FIRES

- **DO NOT** smoke or have open flames when operating or refilling the log splitter with oil or petrol.
- **NEVER** operate the log splitter near a flame or spark. Oil and petrol are highly flammable.

KEEP BYSTANDERS AWAY

- Allow only one person to load and operate the log splitter.
- **ALWAYS** keep bystanders, including visitors, children and pets away from the work area, especially when the log splitter is in use.
- Only the operator should stand near the machine during use.
- Children should not be allowed to operate the machine.
- All operators should has the necessary training and skills to perform the functions properly and safely.

INSPECT YOUR LOG

- **NEVER** attempt to split logs containing nails, wire or debris.
- **ALWAYS** make sure that both ends of the log you are splitting are cut as square as possible. This will prevent the log from sliding out of position while under pressure. Branches must be cut off flush with the trunk.

DON'T OVERREACH

- Keep proper footing and balance at all times.

- **NEVER** stand on the log splitter.
- Serious injury could occur if the machine tips over.
- **DO NOT** store anything above or near the log splitter where a person might stand on the log splitter to reach it.

AVOID INJURY FROM AN UNEXPECTED ACCIDENT

- **DO NOT** straddle or reach across the splitting area when operating the log splitter.
- **NEVER** pile logs to be split in a manner that will cause you to reach across the log splitter.
- Only use your hands to operate the control levers. Never use your foot, knee, a rope, or any other extension device.
- **ALWAYS** pay full attention to the movement of the wedge ram.
- **NEVER** attempt to load your log splitter while the ram is in motion.
- Keep hands out of the way of all moving parts.
- **NEVER** try to split two logs on top of each other. One of them may fly up and hit you.

PROTECT YOUR HANDS

- When the ram of the log splitter is in the return mode, keep your hands off the machine – the log splitter is designed to automatically stop when the cylinder is fully retracted.
- Keep your hands away from splits and cracks which open in the log. They may close suddenly and crush or amputate your hands/fingers.
- **DO NOT** remove jammed logs with you hands.

DON'T FORCE THE TOOL

- It will do a better and safer job at its design rate.
- **DO NOT** use log splitter for a purpose for which it was not intended.
- **DO NOT**, under any circumstances, alter your log splitter. This equipment was designed and engineered to be used in accordance with the operating instructions. Altering the equipment or using the equipment in such a way as to circumvent its design capabilities and capacities, could result in serious or fatal injury and will void the warranty.
- **NEVER** try to split logs larger than those indicated in the specifications table on page 2. This is dangerous and may damage the machine.

NEVER LEAVE LOG SPLITTER RUNNING UNATTENDED

- **DO NOT** leave log splitter until it has come to a complete stop

MAINTAIN YOUR LOG SPLITTER WITH CARE

- **ALWAYS** clean the log splitter after each use.
- Keep the log splitter clean and free from debris for best and safest performance.
- Control levers and the power switch must be kept clean, dry and free from oil and grease at all times.

PROTECT THE ENVIRONMENT

- Take any used oil to an authorized collection point. **DO NOT** discharge into drains, soil or water.

MAKE THE WORKSHOP CHILDPROOF

- Lock the workshop. Store the log splitter away from children and others not qualified to use it.

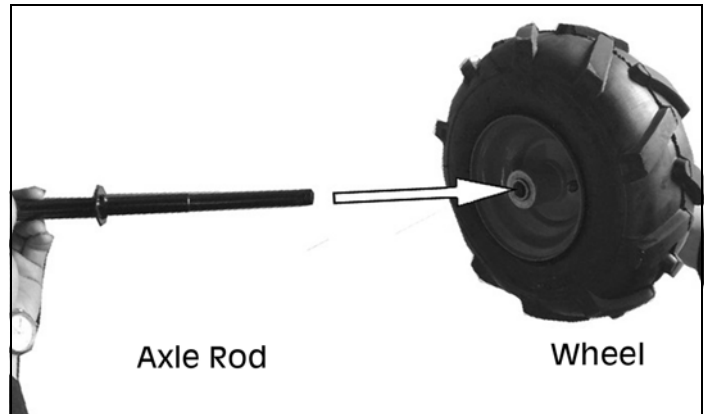
ASSEMBLY

NOTE: Due to the weight of this machine, it is recommended that the assembly be undertaken by 2 persons.

WHEELS

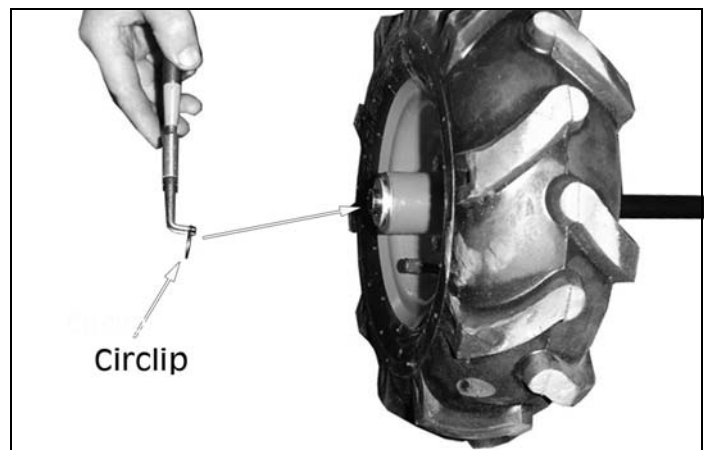
1. Slide the wheel onto the end of the axle rod.

- Make sure the air valve is on the outside of the wheel assembly.



2. Secure the wheel using the circlip supplied.

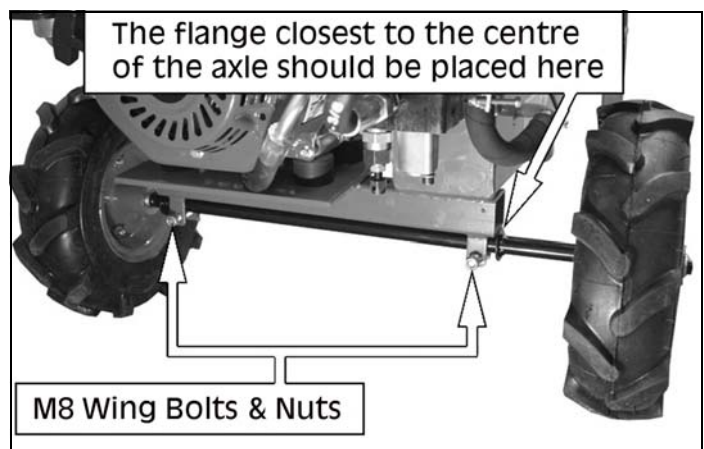
3. Repeat with the other wheel to the other end of the axle rod and secure with the remaining circlip



4. Place the axle into the 'U' bracket positions as shown.

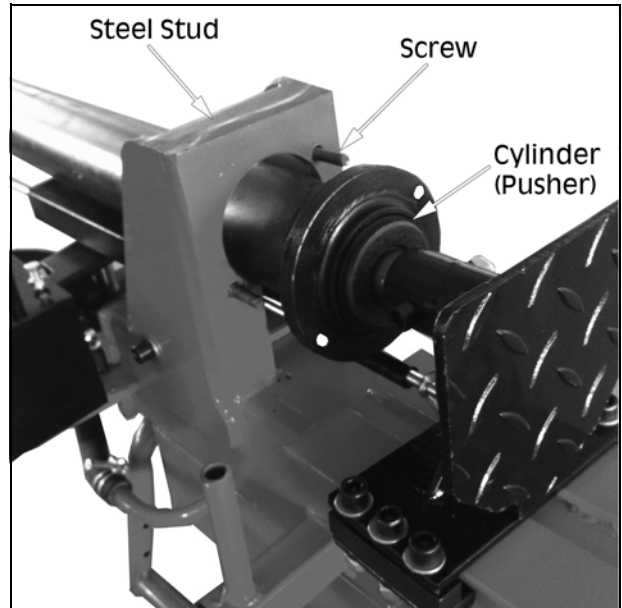
- The logbuster is heavy, you will need help lifting it at this stage.

5. Secure the axle rod to the frame using the M8 wing bolts and nuts supplied.

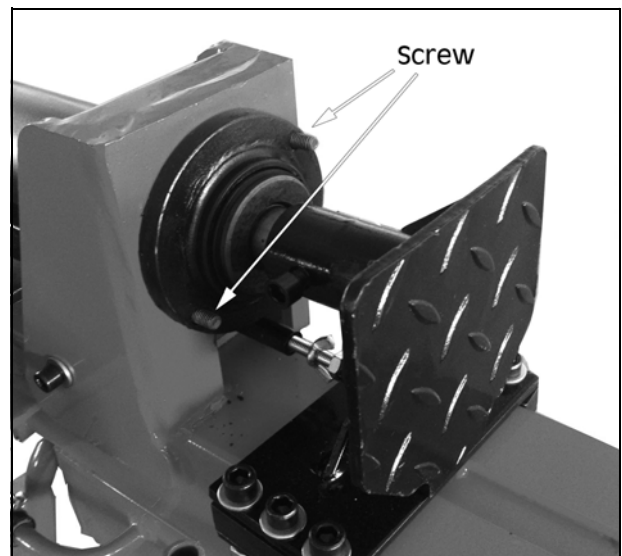


CYLINDER (PUSHER)

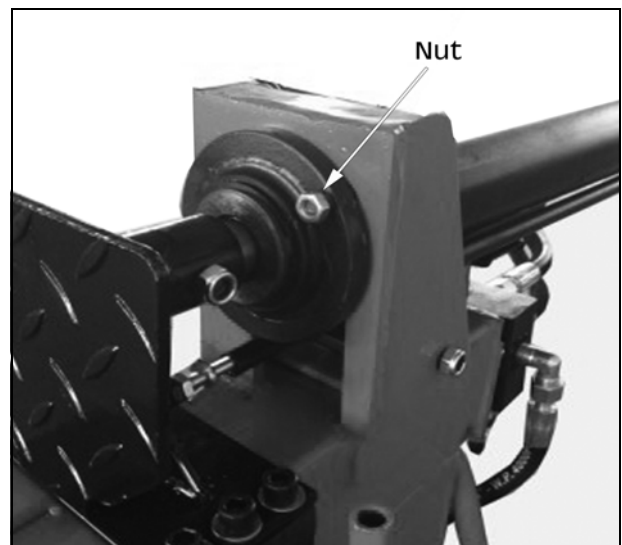
1. Move Pusher back towards the steel stud.



2. Lift Pusher a little or move left or right to align the holes on the Pusher with the screws on the steel stud.

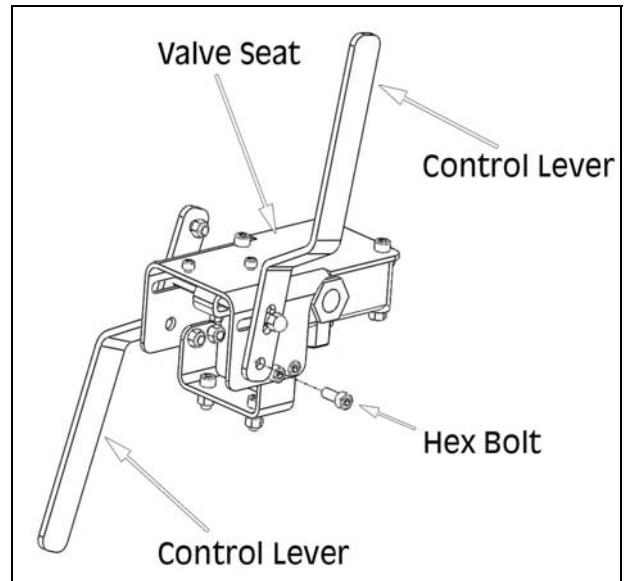


3. Tighten the two M8 nuts onto the two screws as shown.

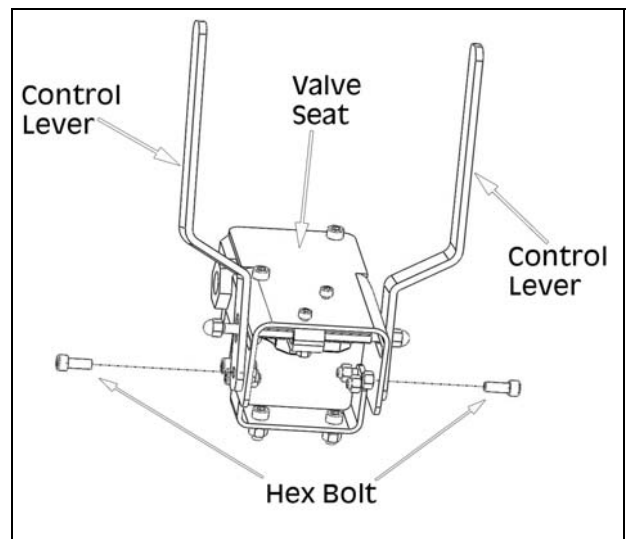


CONTROL LEVERS

1. Rotate the control lever upwards, making sure the hole on the lever matches the hole on the valve seat.



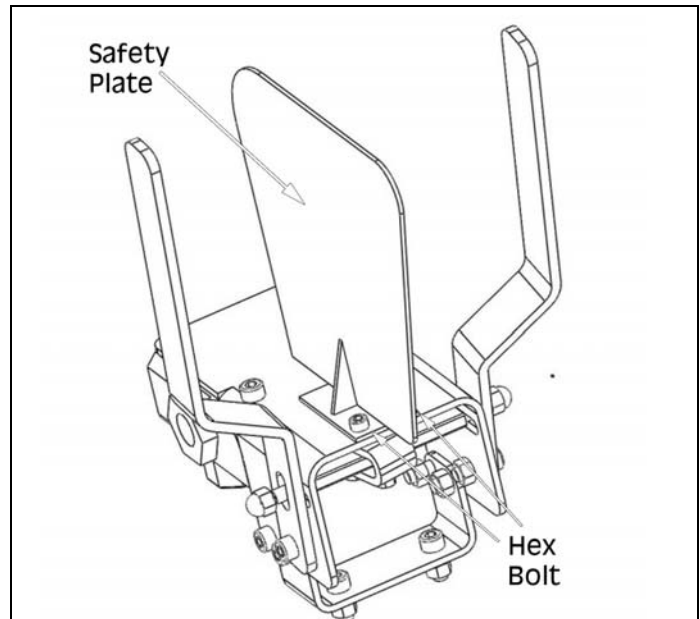
2. Fit the control lever into position using the M8 Hex bolt and washer supplied as shown. The bolt should pass through the hole on the valve seat.



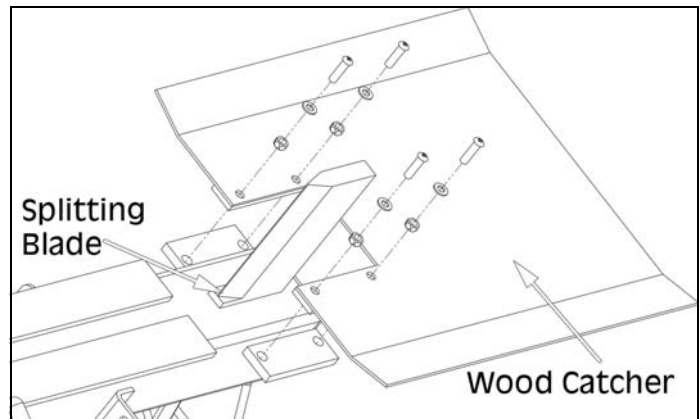
3. Tighten the bolt.
4. Do the same to the other control lever.

SAFETY PLATES & GUARDS

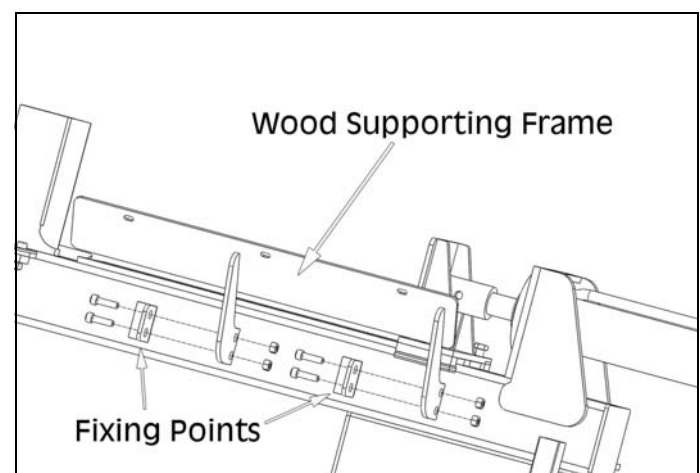
1. Fix the safety plate to the valve seat with the two M10 Hex bolts supplied, as shown



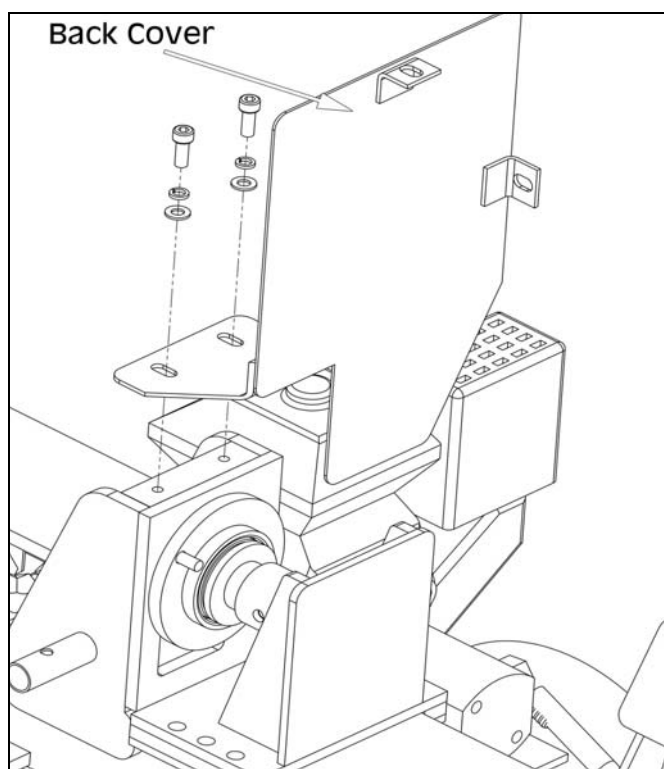
2. Fix the wood catcher to the work table using 4 x M8x30 bolts & M8 washers and nuts.



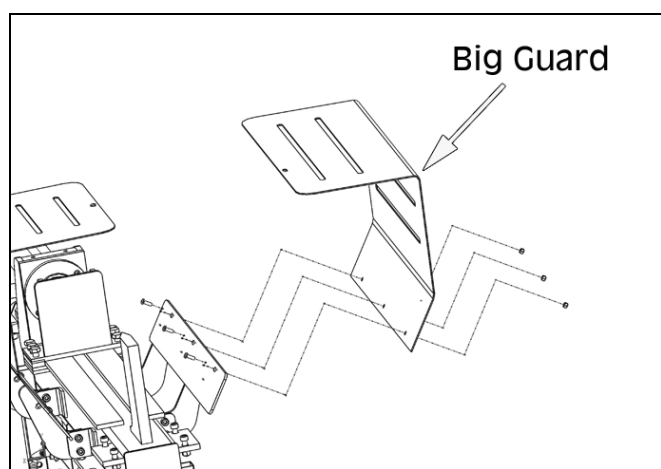
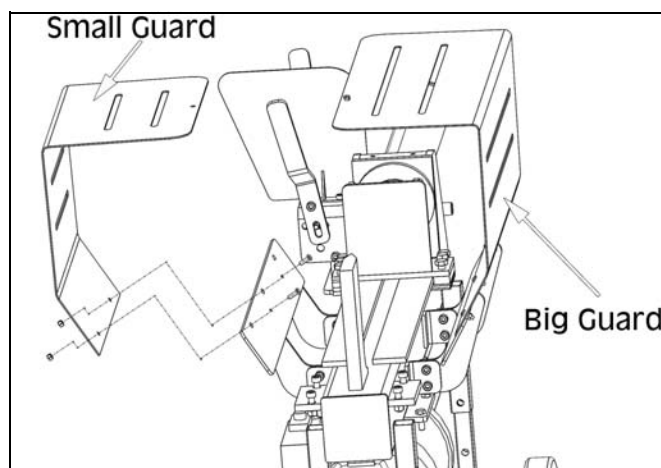
3. Fix the wood supporting frame using 8 x M10x25 bolts & M10 washers and nuts. Fix a support frame to both sides of the log splitter using the fixing points.



4. Fix the back cover to the work table as shown, using 2 x M8x20 bolts & M8 washers and nuts.

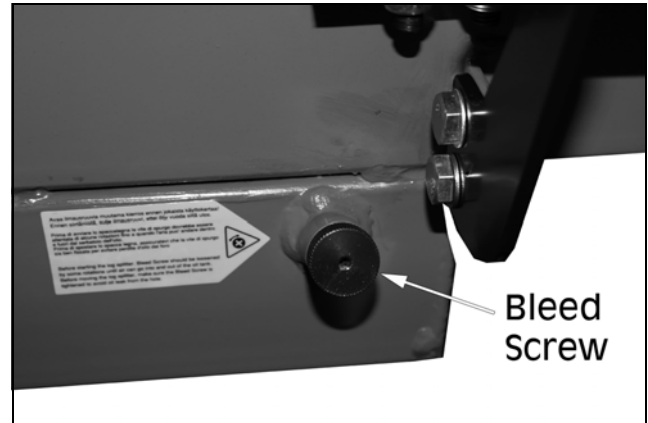


5. Fix the small guard, using 2 x M6x16 bolts & M6 washers and nuts, as shown. On the opposite side, fix the big guard, using 3 x M6x16 bolts & M6 washers and nuts.



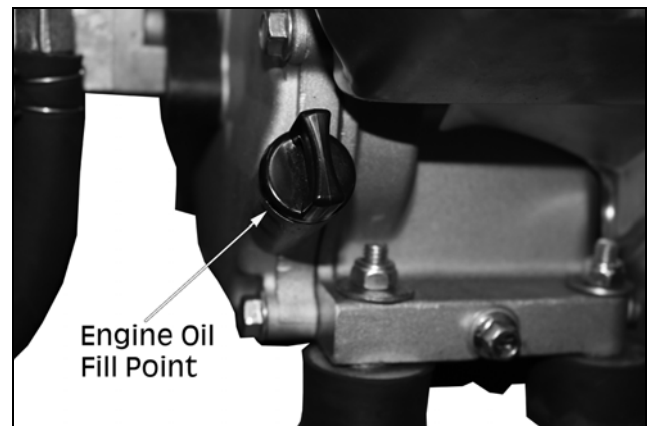
SET UP & PREPARATION FOR OPERATION

1. Place the logsplitter on a stable, flat and level work surface.
2. Familiarise yourself with the controls and features of this logsplitter mentioned in this manual.
3. Before operating the logsplitter, the hydraulic Bleed Screw should be loosened by rotating until air can go in and out of the oil tank smoothly. Before moving the logsplitter, make sure the Bleed Screw is tightened to avoid oil leaking from this point.



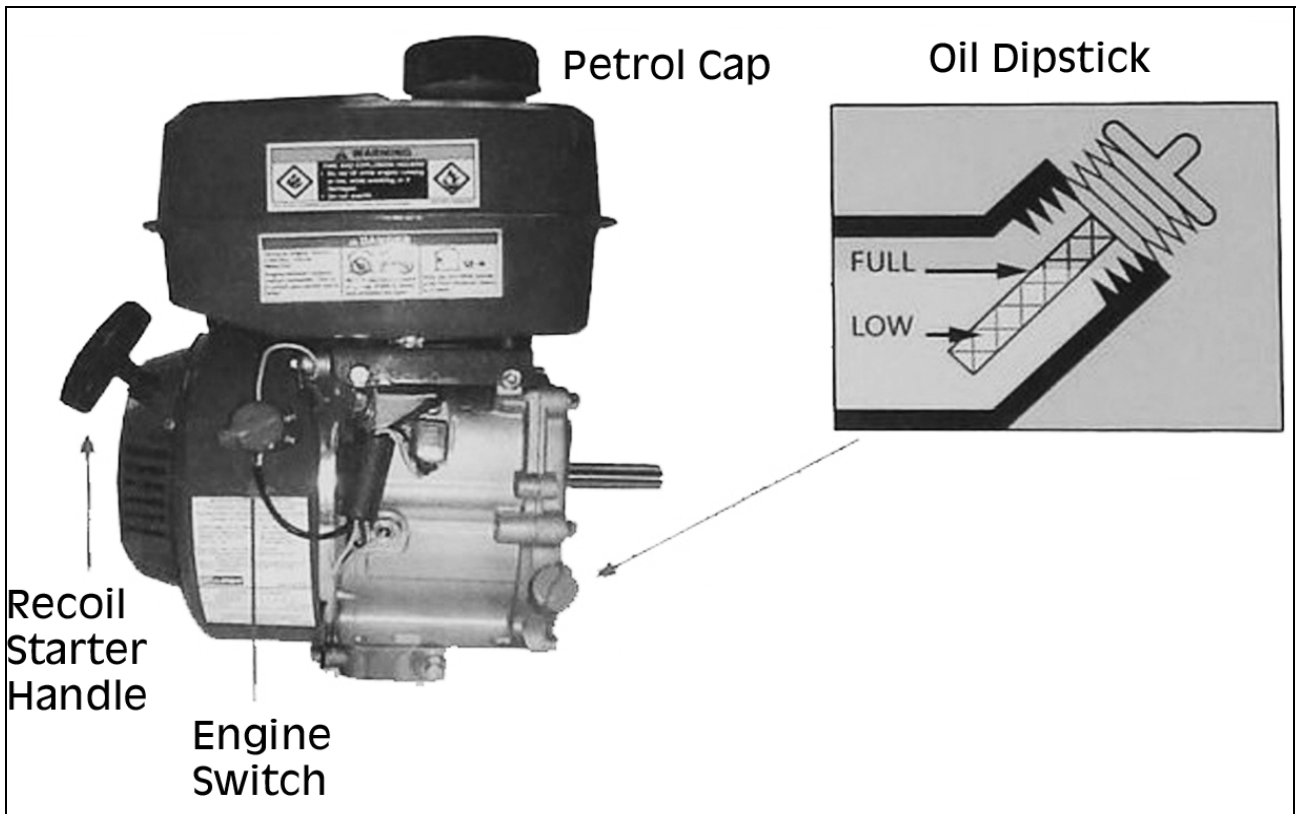
WARNING: FAILURE TO LOOSEN THE BLEED SCREW WILL KEEP THE SEALED AIR IN THE HYDRAULIC SYSTEM BEING COMPRESSED AFTER BEING DECOMPRESSED. SUCH CONTINUOUS AIR COMPRESSION AND DECOMPRESSION WILL BLOW OUT THE SEALS OF THE HYDRAULIC SYSTEM AND CAUSE PERMANENT DAMAGE TO THE MACHINE.

4. Check the engine oil levels, using the orange capped oil dipstick. If the oil level is below 2 grooves from the bottom of the dipstick (see diagram on page 15), then top up the engine oil using SAE10W/30 engine oil via the black capped engine oil fill point.



5. Check the engine petrol level via the petrol cap on top of the engine. Fill the petrol tank with 93+Octane Unleaded Petrol when needed.

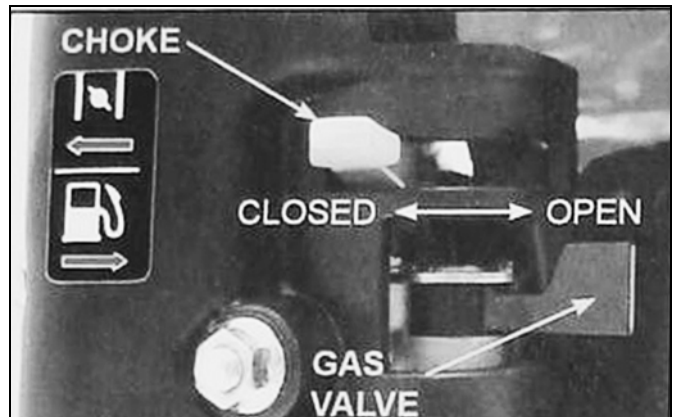
ENGINE START & STOP



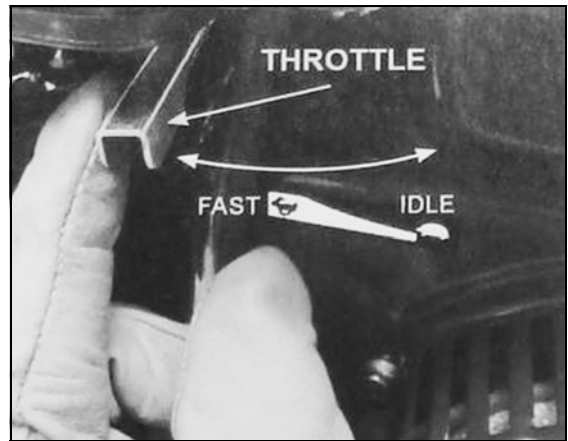
STARTING THE ENGINE

1. Open the gas (petrol) valve by moving it to the right.
2. Close the choke by moving it to the left.

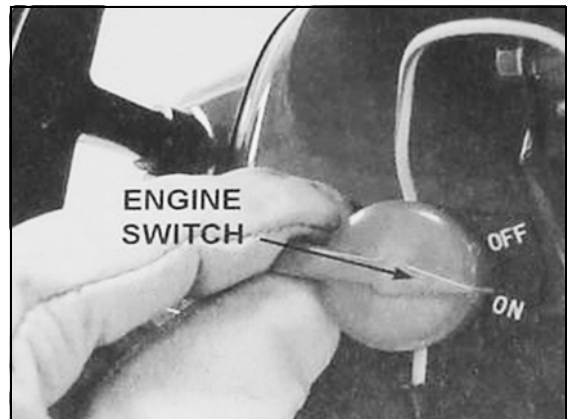
NOTE: If the engine is already hot, it is not necessary to close the choke.



3. Open the throttle by moving it to the left (Rabbit symbol).



4. Turn the engine switch to the ON position.

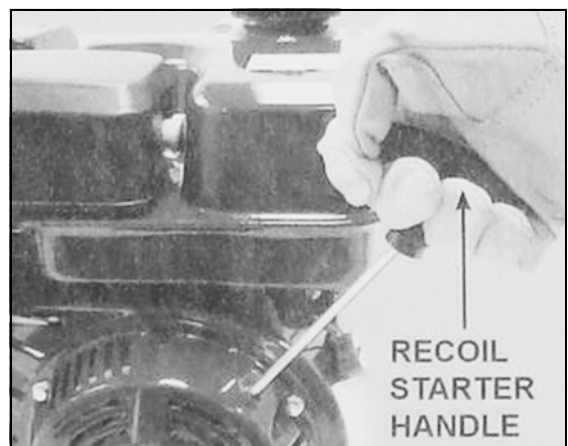


5. Gently pull the recoil starter handle until it engages, then pull it all the way out in a rapid pull.

NOTE: This may take up to 5 pulls to start.

6. Once the engine starts, move the choke to 1/2 choke position.
7. After 15 seconds, open the choke by slowly moving it to the right.

NOTE: Moving the choke too fast can stall the engine.



8. Adjust the throttle to the speed you desire.

IMPORTANT: Allow the engine to warm up with no load for at least 1 minute after each start up.

STOP

1. Move the throttle lever to the right (idle position).
2. Turn the engine switch to the OFF position.
3. Close the gas (petrol) valve by moving it to the left.

OPERATION

1. Start the engine, as set out on pages 15/16.
2. Load log (between 120mm-520mm in length) onto table between the pusher and splitting blade.
3. Push both levers forward at the same time to start the cycle and engage the ram that will immediately start travelling down the machine.



WARNING: NEVER FORCE THE LOG SPLITTER FOR MORE THAN 5 SECONDS BY KEEPING PRESSURE ON THE LEVERS TO SPLIT EXCESSIVELY HARD WOOD. AFTER THIS TIME INTERVAL, THE OIL UNDER PRESSURE MAY OVERHEAT AND DAMAGE THE MACHINE.

4. Pull both levers backwards to retract the ram.
 1. For extremely hard logs, rotate the log by 90° to see whether it can be split in a different direction.
 2. If the log will still not split, this means that its hardness exceeds the capacity of the machine and thus the log should be discarded to protect the logsplitter.



WARNING: ALWAYS SET LOGS FIRMLY ON THE LOG RETAINING PLATES. MAKE SURE LOGS WILL NOT TWIST, ROCK OR SLIP WHILE BEING SPLIT. DO NOT FORCE THE BLADE BY SPLITTING THE LOG ON THE UPPER PART. THIS WILL BREAK THE BLADE OR DAMAGE THE MACHINE.



WARNING: SPLIT LOG IN THE DIRECTION OF ITS GROWING GRAIN. DO NOT PLACE LOG ACROSS THE LOGSPLITTER, AS THIS MAY BE DANGEROUS AND MAY SERIOUSLY DAMAGE THE MACHINE.

FREE A JAMMED LOG

1. Pull back on both control levers.
2. After the pusher moves back and completely stops at its starting position, insert a wooden wedge under the jammed log.
3. Start the logsplitter to push the wooden wedge, to go completely under the jammed log.
4. Repeat this procedure with sharper wooden slope wedges until the jammed log is free.

MAINTENANCE

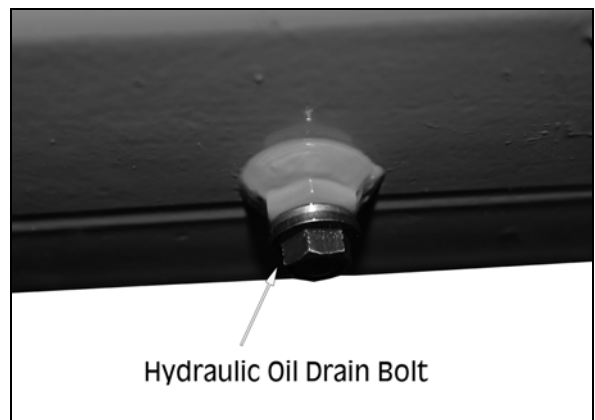


WARNING: MAKE SURE THAT THE LOG SPLITTER IS SWITCHED OFF BEFORE STARTING ANY CLEANING OR MAINTENANCE PROCEDURES.

REPLACING HYDRAULIC OIL

Replace the hydraulic oil in the log splitter after every 150 hours of use. Take the following steps to replace it.

1. Make sure all moving parts stop and the engine is stopped.
2. Place a 5 litre capacity container under the oil drain bolt and unscrew (this can be found on the underside of the hydraulic oil tank) and remove.
3. Drain off any old hydraulic oil and replace bolt, making sure it is tightened to avoid leakage.
4. Refill with fresh hydraulic oil via the bleed screw inlet.
5. Clean the surface of the dipstick and place it back into the oil tank. remove the dipstick and make sure the oil level is between the 2 grooves on the dipstick.
6. Replace dipstick making sure it is tightened to avoid leakage.



NOTE: Fill the oil tank with suitable hydraulic oil available from your CLARKE dealer.

- 1L - Part no: 3050830
- 5L - Part no: 3050835

Periodically check the oil level to ensure it is between the 2 grooves around the dipstick.

SHARPENING THE WEDGE

This log splitter is equipped with a reinforced splitting wedge, After long periods of operation and when required, sharpen the wedge using a fine toothed file removing any burrs or flat spots on the edge.

TROUBLESHOOTING

PROBLEM	CAUSE	REMEDY
When the control levers are pushed down, but the pusher does move.	Oil level is too low.	Check and fill up oil level.
Ram/Pusher won't retract.	Oil level is too low.	Check and fill up oil level.
Ram/Pusher moves slowly or will not extend completely (With a normal log).	Oil level is too low	Check and fill up oil level.
	Wrong valve setting	Adjust valve setting
	Pump is broken	Replace pump
	Cylinder gaskets are damaged	Replace gaskets
Ram/Pusher stops during splitting	Log is too big, cragged or with lots of branches	Turn/adjust log position
Hydraulic hoses heat up excessively	Oil level is too low.	Check and fill up oil level.
	Pump is damaged	Replace pump
	Wrong valve setting	Adjust valve setting

ENVIRONMENTAL RECYCLING POLICY

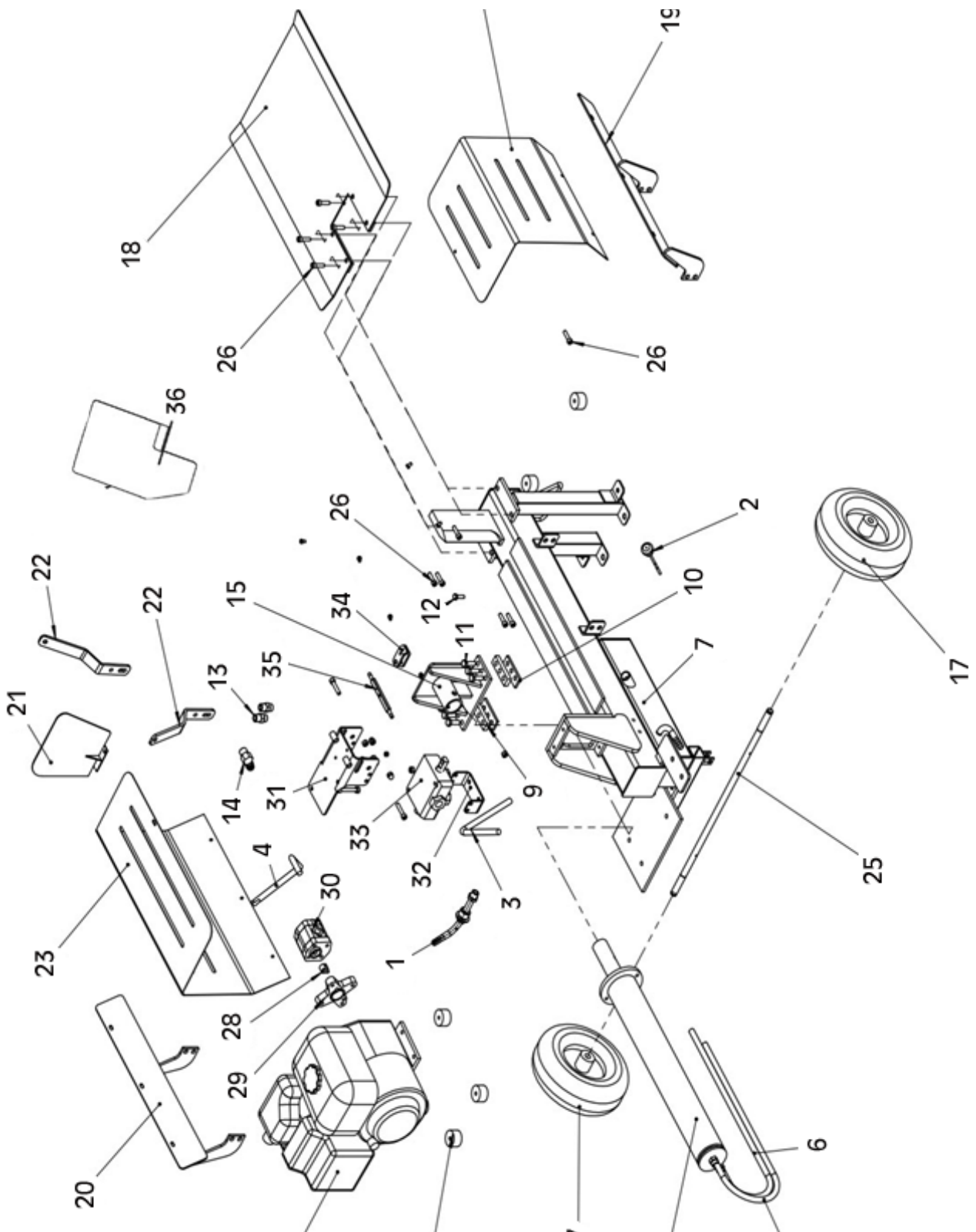


By purchasing this product, the customer is taking on the obligation to comply with current WEEE regulations.

This means that this product must not be disposed of with general household waste. It must be disposed of according to the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognised disposal facility.

This product contains valuable raw materials. Metal products should be taken to your local civic amenity site for recycling of metal products.

COMPONENT PARTS



No	Description
1	Oil Filter
2	Oil Level Indicator
3	Return Oil Pipe
4	High Pressure Oil Pipe C
5	High Pressure Oil Pipe A
6	High Pressure Oil Pipe B
7	Work Table
8	Cylinder
9	Guiding Plate for Pusher
10	Guiding Support
11	Screw M10 x 45
12	Screw M8 x 25
13	Male Thread to Hose Barb Connect
14	Male Thread
15	Pusher
16	Engine Absorbing Feet
17	10" Wheel
18	Wood Catcher

No	Description
19	Wood Supporting Frame Left
20	Wood Supporting Frame Right
21	Wood Protection Guard
22	Operating Handle
23	Big Guard
24	Small Guard
25	Wheel Axle
26	Screw M8 x 30
27	Petrol Engine
28	Engine/Pump Joint
29	Coupler
30	Pump
31	Valve Seat
32	Bracket for Valve Seat
33	Valve
34	Valve Hinge
35	Horizontal Shaft Flat
36	Front Protection Guard

GUARANTEE

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

DECLARATION OF CONFORMITY



Clarke[®]
INTERNATIONAL

Fitzwilliam Hall, Fitzwilliam Place, Dublin 2

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):

2006/42/EC *Machinery Directive*
2014/30/EU *Electromagnetic Compatibility Directive*
2016/1628 *Regulation (EU) Emission of Gaseous Particulates (with amendments)*

The following standards have been applied to the product(s):

*EN 60204-1:2006 +A1:2009, EN 609-1:2017, EN 12100:2010, EN 55012:2007/A1:2009,
EN 61000-6-1:2007, EN 55014-1:2017, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 55014-2:2015.*

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2021

Product Description: 8 Tonne Log Splitter (Petrol engine)
Model number(s): LOGBUSTER P8
Serial / batch Number: N/A
Date of Issue: 22/11/2021

Signed:

J.A. Clarke
Director

ASSOCIATED PRODUCTS

<p>Electric Chainsaw - CECS405C</p>	<p>Camouflage Chainsaw Bag - CCSB1</p>	<p>Chainsaw Lubrication Oil - 1 litre</p>
		
<ul style="list-style-type: none"> • Powerful 2000w motor. • Includes top quality 405mm Oregon Bar® and chain for fast, efficient cutting • Part No. 3402073 	<ul style="list-style-type: none"> • Suitable for small/ medium chainsaws with up to 20" bars • PVC coated inside for easy cleaning • Part No. 3402095 	<ul style="list-style-type: none"> • Reduces friction to extend life of the blade • Suitable for pressure & pump fed chainsaws • Part No. 3050865
<p>Chainsaw Log Horse - CCLH1</p>	<p>Hydraulic Oil</p>	<p>Garden Trolley with Liner - GT3</p>
		
<ul style="list-style-type: none"> • Fits most electric & petrol chainsaws • Folds flat for storage • Part No. 3402085 	<ul style="list-style-type: none"> • 1Lt: Part No. 3050830 • 5Lt: Part No. 3050835 	<ul style="list-style-type: none"> • Great for moving logs from your woodpile to your door • Max Load: 150kg • Part No. 3400187

A SELECTION FROM THE VAST RANGE OF

Clarke®

QUALITY PRODUCTS



AIR COMPRESSORS
From DIY to industrial, Plus air tools, spray guns and accessories.

GENERATORS
Prime duty or emergency standby for business, home and leisure.

POWER WASHERS
Hot and cold, electric and engine driven - we have what you need

WELDERS

Mig, Arc, Tig and Spot.
From DIY to auto/industrial.

METALWORKING
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