P1PE Petrol Chainsaw

P6220C

User manual

FOR YOUR SAFETY
You must read and understand this manual before use.
Keep this manual for future reference.

POSITION ONE POWER EQUIPMENT

INDEX

1. SAFETY

1.1 **General Safety Notes.**

1.2 The operator of the machine is responsible for, and has a duty of care in making sure that the machine is operated safely and in accordance with the instructions in this user manual. Keep the manual safe and pass it on if the machine is loaned or sold to another user.

1.3 Please note the following safety points.

1.4 The machine should never be left it in a condition which would allow an untrained or unauthorised person/s to operate this machine.

1.5 All due care and diligence should be taken by the operator for the safety of and with regard to those around whilst using the machine.

1.6 Some or all of the following - warning signs, symbols and/or PPE pictograms may appear throughout this manual. You **MUST** adhere to their warnings. Failure to do so may result in personal injury to yourself or those around you.

DANGER

Indicates a hazard, which, if not avoided, could result in serious injury or death.

WARNING

Indicates a hazard, which, if not avoided, could result in serious injury.

CAUTION

Indicates a hazard which, if not avoided, might result in minor or moderate injury.

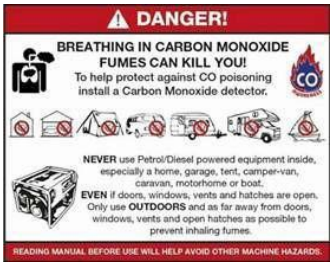
NOTE

Indicates a situation that could easily result in equipment damage.

READ and keep the manual safe and pass it on if the machine is loaned or sold to another user.

You MUST fully understand all instructions to ensure you use and operate the machine safely.

Appropriate Personal Protective Equipment (PPE), **MUST** be worn at all times when operating or repairing the machine.



1.10 **Carbon Monoxide (where applicable).**

1.11 Carbon monoxide is a colourless and odourless gas. Inhaling this gas can cause death as well as serious long term health problems such as brain damage.

1.12 The symptoms of carbon monoxide poisoning can include but are not limited to the following;
Headaches, dizziness, nausea, breathlessness, collapsing or loss of consciousness.

1.13 Carbon monoxide poisoning symptoms are similar to flue, food poisoning, viral infections and simply tiredness. It is quite common for people to mistake this very dangerous poisoning for something else.

1.14 To avoid carbon monoxide poisoning **DO NOT** use Petrol/Diesel powered equipment inside any of the following; Home, garage, tent, camper van, mobile home, caravan or boat. This is not exhaustive and if you are in any doubt contact your dealer.

1.15 If you think you have or someone around you has been affected by carbon monoxide poisoning;

1.16 Get them fresh air immediately, by leaving the affected area or by opening doors and windows. If safe and practical to do so make sure that the machine is turned off.
DO NOT enter a room you suspect of having carbon monoxide present – instead call the emergency services.

1.17 Contact a Doctor immediately or go to Hospital – let them know that you suspect carbon monoxide poisoning.

1.18 **DO NOT** use in an enclosed area or moving vehicle.

1.20 **General Fuel Safety (where applicable).**

CAUTION

ALL FUELS ARE FLAMABLE

1.21 Fire Hazard – keep fuel away from all sources of ignition for example heaters. Lamps, sparks from grinding or welding.

1.22 **DO NOT** carry out hot work on tanks that have contained fuel.

1.23 **ALWAYS** keep the work area tidy.

1.24 **ALWAYS** clean up spills promptly using absorbent granules and a lidded bin.

1.25 **ALWAYS** dispose of waste fuels correctly.

1.30 **Fueling/De-fueling (where applicable).**

CAUTION

ALL FUELS ARE FLAMABLE

1.31 **ALWAYS** fuel and defuel in a well ventilated area outside of buildings.

1.32 **ALWAYS** wear correct, suitable and fit for purpose Personal Protective Equipment (PPE), suggested items are but not limited to safety gloves, overalls.

1.33 When fueling/de-fueling **ALWAYS** avoid inhaling fumes.

1.34 When de-fueling **ALWAYS** use a proper fuel retriever.

1.35 **ALWAYS** carry fuel in the correct and clearly marked container.

1.40 **Electrical Safety)where applicable).**

1.41 Electricity can kill – **NEVER** work on **LIVE/ENERGISED** equipment.

1.42 Prior to carrying out any maintenance work you **MUST** identify electrical isolation methods and isolate all electrical supplies.

1.43 Prior to use and with all electrical supplies isolated, you **MUST** check all electrical cables, plugs and connectors for the following;

1.44 Are intact and have no signs of damage, to include but not limited to bare wires, chaffing, cuts and loose wiring.

1.45 If there are any signs of damage, the damage item **MUST** be taken out of service until the damage has been repaired by an electrically competent person.

1.46 All trailing cables should be routed so as not to cause any kind of trip hazard.

1.47 

NEVER work on or near electricity with wet hands, wet clothing and wet gloves.

1.50 **Batteries (where present).**

1.51 Batteries present a risk if they become damaged by the possible leaking of electrolyte. This electrolyte is an acid and can cause serious burn injuries. Care should be taken when working on or near them. **NOTE** the electrolyte may be in a liquid or gel form.

1.52 Should you come in to contact with electrolyte you should;

1.53 Remove all clothing contaminated with electrolyte. If you cannot remove then saturate them in water.

1.54 Get medical assistance as soon as possible. You must advise the medical staff of the type of acid.

1.55 Lead/acid battery = dilute sulphuric acid.

1.56 Nickel/cadmium = potassium hydroxide alkali electrolyte.

1.57 Use fresh running water to wash off excess electrolyte, continue this until medical assistance arrives. Make sure that you do not was the electrolyte to another part of your body or face.

1.58 If electrolyte comes in to contact with Eyes the electrolyte needs to be immediately washed away with large amounts of water. Make sure that you do not wash the electrolyte to another part of your face or body.

1.59 Gasses from charging batteries are highly flammable and great care should be taken to charge in well ventilated areas.

1.59.1 

There is an explosion risk if the battery terminals are short circuited, when connecting/disconnecting **ALWAYS** exercise great care so that the terminals or battery leads are **NOT** allowed to touch and cause a spark. **ALWAYS** use suitable insulated tools.

1.60 **Vibrations (where applicable).**

1.61 Prolonged use of hand held (operated) machines will cause the user to feel the effects of/from vibrations. These vibrations can lead to white finger (Raynaud's phenomenon) or carpal tunnel syndrome. This condition reduces the ability of the hand to feel and regulate temperature, causing numbness and heat sensations and may cause never damage and circulatory tissue death.

1.62 Not all factors that lead to white finger disease are known, but cold weather, smoking and other diseases that affect blood vessels and blood circulation as well as large and long-lasting impact of shocks are considered factors in the formation of white finger. Note the following to reduce the risk of white finger and carpal tunnel syndrome;

1.63 Wear gloves and keep your hands warm.

1.64 Take regular breaks.

1.65 All of the above precautions may help reduce the risk of white finger disease but not rule out the carpal tunnel syndrome. Long-term and regular users are therefore recommended to observe the condition of your hands and fingers. Seek medical attention immediately if any of the above symptoms should occur.

1.70 **Noise (where applicable).**

1.71 The operating noise of the machine can damage your hearing. Wear hearing protection such as earplugs or ear defenders to protect your hearing. Long-term and regular users are advised to have hearing checked regularly. Be especially vigilant and cautious when hearing ear protection because your ability to hear alarm warnings will be reduced.

1.72 Noise emissions for this equipment is unavoidable. Carry out noisy work at approved times and for certain periods. Limit the working time to a minimum. For your personal protection and protection of people working nearby it is also advisable for them to wear hearing protection.

1.73 

See Certificate of Conformity section for Outdoor Noise declaration of conformity.

MACHINE SPECIFIC SAFETY

1.80 **General Machine Safety.**

1.81 Read the owner's manual carefully to understand how to operate this machine properly.

1.82 You should **NEVER** use the machine when;

1.83 Wearing loose clothing, barefoot or sandals.

1.84 Under the influence of drink or drugs or as a result of having taken medication for cold or flu, or any other times when a possibility exists that your judgement might be impaired or that you might not be able to operate the machine properly and in a safe manner.

1.85 Suffering from exhaustion or lack of sleep.

1.86 When the ground is slippery or when other conditions exist which might make it not possible to maintain a steady posture.

1.87 At night, at times of heavy fog, or at any other times when your field of vision might be limited and it would be difficult to gain a clear view of the area.

1.88 During rain storms, lighting storms, at times of strong or gale force winds, or at any other times when the weather conditions might make it unsafe to use this product.

1.89 **NEVER** run the engine indoors. The exhaust gasses contain harmful carbon monoxide.

1.90 When using this machine for the first time and before actual work, you **MUST** learn how to handle the machine from an experienced or skilled person.

1.91 Limit the amount of time using the machine continuously to somewhere around 10 minutes per session and take 10 to 20 minutes of rest between sessions. Also try to keep the total amount of work in a single day limited to 2 hours or less.

1.92 **NEVER** allow children or anyone unable to fully understand the directions given in this manual to operate this product.

1.93 Make sure you keep this manual handy so you may refer to it whenever questions arise and ensure you pass this manual on if the machine is loaned or sold.

1.94 Correct Personal Protective Equipment (PPE) **MUST** be worn at all times when operating or repairing this machine. This should include but is not limited to;

1.95 It is also advisable to carry the following equipment;

1.96 Chainsaw tools and files.

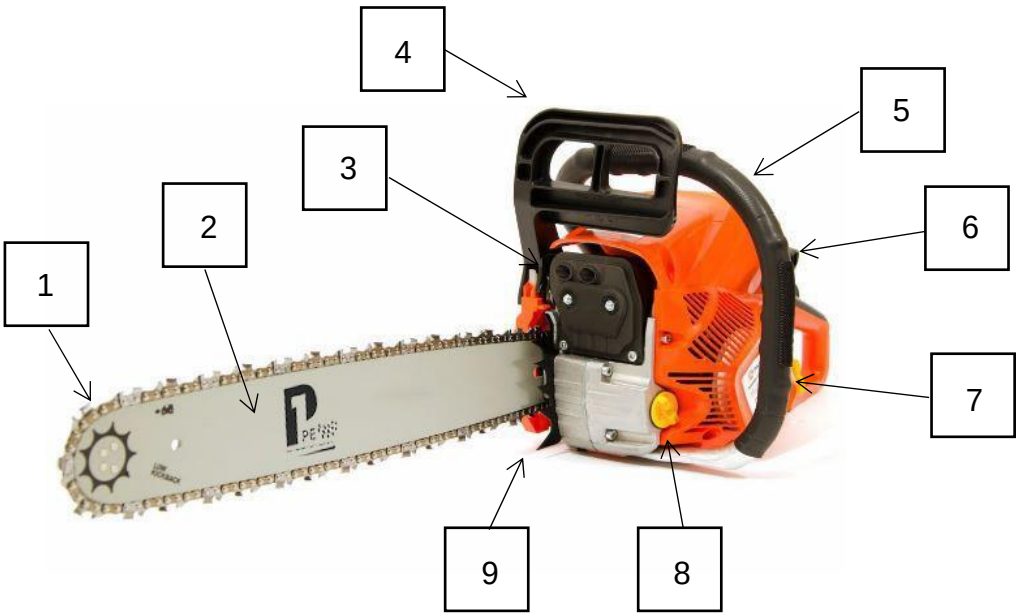
1.97 Reserve fuel and oil.

1.98 Items to cordon your work area off and appropriate warning signs.

1.99 Emergency whistle.

1.99.1 Saw and Hatchet for the removal of obstacles.

2. PART LOCATIONS & SYMBOLS



1	Saw Chain	9	Bumper Spike
2	Chain Bar	10	Throttle Lock
3	Exhaust	11	Ignition Switch
4	Chain Brake	12	Choke
5	Front Handle	13	Chain Cover
6	Recoil Starter Handle	14	Primer Bulb
7	Fuel Filler Cap	15	Throttle Trigger
8	Chain Oil Filler Cap	16	Rear Handle

SYMBOLS ON THE MACHINE

Fueling point ‘MIX PETROL’.

Chain Oil Filler.

Choke Open.

Choke Closed.

Choke Lever In (OFF) – Warm Start

Choke Lever Out (ON) – Cold Start

Chain brake Direction
White Arrow – Released (OFF)
Black Arrow – Activated (ON)

Chain Oil Adjustment Screw

ON/OFF Switch

‘I’ Position, Engine will start.
‘O’ Position, Engine will stop.

H High Speed Adjustment Screw

L Low Speed Adjustment Screw

T Idle Adjustment Screw

3. ASSEMBLY

CAUTION

The saw chain is very sharp and **MUST** be handled using thick protective gloves.

3.0 Open the box and check that all parts are present as per the list below.

1	Saw Chain	6	Bumper Spike
2	Chain Bar	7	Spare Saw Chain
3	Power Unit	8	Fuel / Oil Mixing Bottle
4	Tool Kit	9	Chain Guard
5	Chainsaw Bag		

3.1 Pull the chain guard towards the front handle until you hear an audible click to check the chain brake is disengaged (1).

3.2 Loosen the nuts and remove the chain sprocket cover (2).

3.3 Install the bumper spike to the power unit using the 2 screws provided in the tool kit (3).

(1)

(2)

(3)

3.4 Wrap the chain around the sprocket (1), ensuring the chain is pointing in the correct direction.

3.5 Install the guide bar over the 2 studs (2) and slide fully towards the sprocket.

3.6 Whilst wearing thick gloves, loosely place the chain around the length of the guide bar.

(1)

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NOTE Pay attention to the correct direction of the saw chain. This is indicted on the guide bar.

3.7 Adjust the position of the chain tensioner stud (1) on the chain cover moving it back towards the lower adjustment hole (2) on the guide bar.

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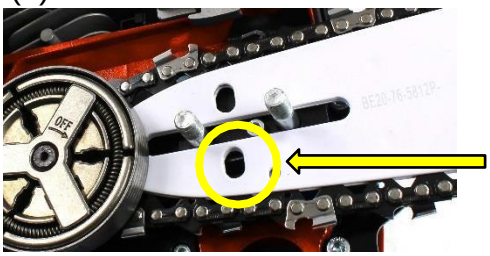

3.8 Fit the chain cover back to the power unit making sure the chain tensioner stud passes through the lower adjustment hole on the guide bar and tighten the nuts finger tight (1).

(1)

3.9 While holding the tip of the bar, adjust the chain tension by turning the tensioner screw, clockwise to tighten, or anticlockwise to loosen the chain until the tie straps on the chain just touch the bottom side of the guide bar rail.
NOTE Depending on model, the chain tensioner may be in one of two locations shown below.

3.10 Tighten the chain cover nuts securely with the bar tip held up (12~15Nm).
Then check the chain for smooth rotation and proper tension by moving it by hand.
If necessary, re-adjust with the chain cover loose.

4. QUICK START GUIDE

CAUTION

This guide is meant to serve as a quick reference for operating your machine.
We **ALWAYS** recommend reading the manual in full before operation.
Please consult the manual for the correct oil/fuel mixture and familiarise yourself with all the safety and operation aspects of the chainsaw.

FROM COLD

4.0 Check the chainsaw is filled with the correct 25:1 fuel mix (**see section 5**)

4.1 Check the saw chain oil level is correct (**see section 5**).

4.2 Turn the ignition switch to the 'I' ON position.

4.3 Engage the chain brake by pushing towards the chainsaw handle.

4.4 Pull the choke out firmly.

4.5 Press the primer bulb at least 6 times or until the bulb is full with fuel.

4.6 Place the chainsaw on flat ground, free from obstacles and secure by placing your right foot through the rear handle with the chainsaw blade facing away from yourself and firmly grasp the front handle with your left hand.

4.7 Pull the recoil starter handle swiftly, 2 to 4 times until the engine begins to fire. (**NOTE** the chainsaw may not start at this stage).

4.8 Push the choke in.

4.9 Pull the recoil starter handle, until the engine starts.

4.10 Disengage the chain brake by pulling in backwards, away from the chainsaw blade.

4.11 Allow the chainsaw to warm up at half throttle for 20 seconds.

FROM WARM

4.12 Repeat the procedure for starting the chainsaw from cold but miss out steps 4.4 & 4.5.

STOPPING

4.13 Release the throttle trigger and interlock trigger.

4.14 Allow the engine to idle for a few seconds.

4.15 Move the ignition switch to the 'O' OFF position.

4.16 The engine will now stop.

5. FUEL & CHAIN OIL

WARNING

All fuels are flammable and must be handled and stored correctly.
Always ensure there is adequate ventilation when handling fuels.

NOTE

This machine is equipped with a two stroke engine and must always be run using a mixture of petrol and two stroke oil. It is important to accurately measure the amount of oil to be mixed to ensure the correct mixture is obtained.

Fuel Tank

5.0 Mix fresh unleaded petrol with a good quality semi-synthetic 2 stroke engine oil to a ratio of 25:1.

25 Parts Unleaded Fuel	1 Part Semi Synthetic 2 Stroke Oil
1 litre	40ml
2 litres	80ml
3 litres	120ml
4 litres	160ml
5 litres	200ml

5.1 Clean the area around the fuel cap before removal.

5.2 Position the machine so the fuel cap is facing upwards.

5.3 Fill the fuel tank with the correct 25:1 mix of unleaded petrol and semi-synthetic 2 stroke engine oil.

5.4 **DO NOT** overfill, leave a 25mm gap at the top of the fuel tank.

Chain Oil

5.4 Use a quality chainsaw chain for all year round use.

5.5 Clean the area around the oil cap before removal.

5.6 Do not over fill the chain oil tank and wipe up spills immediately.

6. STARTING PROCEDURE

NOTE

This machine is shipped without oil, therefore you **MUST** fill the engine with oil before starting the engine. Failure to do so will result in engine damage which will not be covered by warranty.
Fill with a 25:1 ratio of semi-synthetic 2 stroke oil and fresh unleaded petrol.
See section 5 for further information.

6.0 Before starting the engine you must check the following;

6.1 Check the work area, object/s to be cut and proposed cutting direction. You **MUST** remove and obstacles before starting work.

6.2 **NEVER** start cutting until you have removed a clear work area, secure footing and a planned retreat path from any falling pieces of cut wood.

6.3 **ALWAYS** use extreme caution and keep bystanders and animals clear of the work area which must include the area where cut branches and trees will fall.

6.4 Inspect the machine for and worn, loose or damaged parts. **NEVER** operate a machine that is damaged, improperly adjusted, or is not complete and securely assembled. You MUST make sure that the saw chain stops moving when the throttle control trigger is released. If the chain does not come to a stop you must adjust the idle speed of the engine.

6.5 Always hold the machine firmly with both hands when the engine is running.

6.6 Keep all parts of your body away from the machine when the engine is running.

6.7 Before starting the engine, make sure the saw chain is not in contact with anything.

6.10 Fill the chainsaw with the correct fuel/oil mix (25:1) and fill the chain oil tank and tighten the caps securely.

FROM COLD

6.11 Engage the chain brake (1) by pushing the brake handle away from you when holding the saw.

6.12 If your chainsaw is fitted with a fuel primer bulb (2), press the bulb six times or until the primer bulb is full of fuel.

6.13 Close the choke by pulling the blue choke lever outwards (3).
When it is closed there should be an audible click and it will remain in position when the throttle is pressed.

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6.14 Turn the On/Off switch (1) to the On ‘I’ position.

6.15 Place the chainsaw on flat ground, free from obstacles and secure by placing your foot thorough the back handle with the chainsaw blade facing away from yourself.

6.16 Hold the front handle firmly with your left hand and using your right hand, gently pull the recoil starter handle (2) upwards until tension is felt.
This engine is fitted with an easy recoil start assembly, which allows it to be started with less force and a more gentle pulling action.

(1)

(2)

6.17 Once you've reached tension, pull the starter handle (1) swiftly 2 to 4 times or until the engine begins to fire.
(**NOTE)** the chainsaw may not start at this stage.

6.18 Once the engine has attempted to start, push the choke (2) back in to the open position and pull the recoil starter handle swiftly until the engine fires.

6.19 If the engine does not start under full choke, move the choke to the open position.

(1)

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FROM WARM

6.20 Engage the chain brake (1) by pushing the brake handle away from you when holding the saw.

6.21 Make sure the blue choke lever is in the Open position (2) by pushing it towards the main chainsaw body.

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6.22 Turn the On/Off switch (1) to the On 'I' position.

6.23 Place the chainsaw on flat ground, free from obstacles and secure by placing your foot thorough the back handle with the chainsaw blade facing away from yourself.

(1)

6.24 Hold the front handle firmly with your left hand and using your right hand, gently pull the recoil starter handle (1) upwards until tension is felt.
This engine is fitted with an easy recoil start assembly, which allows it to be started with less force and a more gentle pulling action.

6.25 Once you've reached tension, pull the starter handle (2) swiftly until the engine fires.

(1)

(2)

7. STOPPING PROCEDURE

7.0 Release the throttle (1) and interlock trigger (2).

7.1 Allow the engine to idle for a few seconds.

7.2 Move the On/Off switch (3) to the 'O' OFF position.

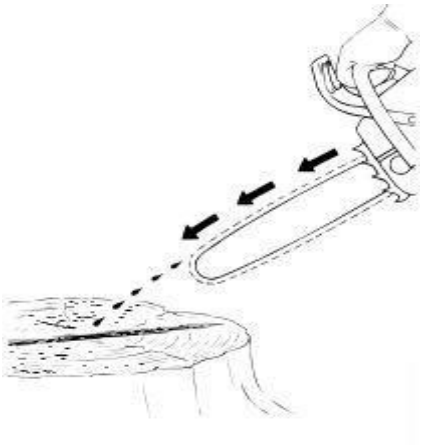
7.3 The engine should now stop.

(3)

8. OPERATING INSTRUCTIONS

Chain Oil

8.0 The saw chain must be lubricated at all times.
Before starting work find a clean area, run the chainsaw at medium power and visually check for oil scatter.



8.1 The chain oil flow can be altered by inserting a screwdriver in to the hole on the underside of the chain saw and adjusting the oil flow according to your work conditions.

8.2 The chain oil tank should be nearly empty by the time the fuel has been used. Make sure you refill the chain oil tank every time you refuel the chainsaw.

Carburetor

NOTE

It is recommended that adjustments are done when the chainsaw is warm and fully assembled.

8.3 The carburetor has been factory adjusted but may require fine tuning due to changes in the operating conditions. Before adjusting the carburetor make sure the air/fuel filters are clean and free of debris and the fuel is mixed correctly.
When adjusting take the following steps;

8.4 **T** – This controls the engine speed at idle.
If set too low the saw will stall.
If set too high the chain will move. The saw chain should not move at engine idle speed otherwise serious injury may result.

L – Low speed adjustment screw.
This is the adjustment that controls the air/fuel mixture at idle.
Adjust this screw too rich and the chainsaw will stall at idle speed.
Adjust this screw too lean and the engine will race or surge causing excessive wear.
An extremely lean adjustment will also cause the engine to flood.

H – High speed adjustment screw.
This is the adjustment that controls the air/fuel mixture at high RPM's.
Adjust this screw too rich and the chainsaw will stall.
Adjust this screw too lean and the engine will over rev.

8.5 **NEVER** adjust the carburetor more than ¼ turn in either direction without first testing the saw.

8.6 To reset the carburetor to factory settings fully close the L and H screws by turning clockwise then anti-clockwise 1 ½ turns.

Saw Chain Brake

8.7 This machine is equipped with an automatic chain brake to stop saw chain rotation in the event of kickback whilst the chainsaw is in operation.
The brake is automatically operated by inertial force which acts on a weight inside the front guard.
This brake can also be operated manually with the front guard pushed forward towards the saw chain.

8.8 To confirm the inertia chain brake is operating correctly, follow these steps;

8.9 Turn **OFF** the engine.

8.10 Holding the chainsaw horizontally, release your hand from the front handle and allow the tip of the chain bar to hit a stump or piece of wood and confirm the brake operation.

8.11 If the brake is not effective ask your dealer to inspect and repair.

8.12 If the engine is still rotating with the brake engaged, it will overheat the clutch. When the brake is operated you **MUST** release the throttle lever and allow the engine to run at idle.

Sawing

8.5.1 Before proceeding with your job ensure you've read and understood all aspects of this manual.

8.5.2 It is recommended that you first practice sawing easy logs. This will also help you get accustomed to your chainsaw.

8.5.3 Always follow safety regulations.

8.5.4 The chain must only be used for cutting wood. It is forbidden to cut other types of material.

8.5.5 Vibrations and kickback will vary with different wood densities. **DO NOT** use the chain saw as a lever for lifting, moving or splitting objects.

8.5.6 **DO NOT** lock the machine to fixed stands. It is forbidden to hitch tools or applications to the P.T.O. that are not specified by the manufacturer.

8.5.7 It is not necessary to force the saw in to the cut.

8.5.8 Apply only light pressure when running the engine at full throttle.

8.5.9 If the saw chain gets caught in the cut, do not attempt to remove with force. Instead use a wedge or lever to open the cut up to aid the release of the saw.

8.6 Kickback

8.6.1 This saw is equipped with a chain brake that will stop the chain in the event of kickback. You **MUST** check the chain brake operation before each use by running the saw at full throttle for 1-2 seconds and pushing the front chain brake lever forward and releasing the throttle trigger.
The chain should stop immediately with the engine at full speed.
If the chain is slow to stop or doesn't stop, get your dealer to check and repair the chain brake.

8.6.2 It is extremely important that the chain brake be checked for proper operation before each use and that the chain is kept sharp in order to maintain the kickback safety level of this saw.
Removal of any of the safety devices, inadequate maintenance or incorrect replacement of the bar or chain, may increase the risk of serious personal injury.

9. MAINTENANCE

WARNING

Before cleaning, inspecting or repairing your unit, you **MUST** make sure that the engine has stopped and allowed to cool.
You **MUST** disconnect the spark plug HT lead cap to prevent any accidental starting.

Air Filter

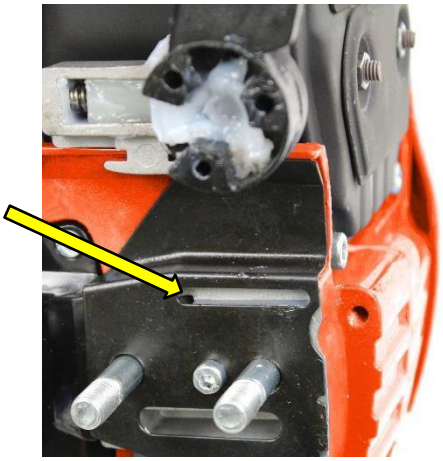
9.0 Dust on the air filter must be removed and can be done by gently tapping a corner of the filer on a hard surface.

9.1 To clean the mesh filter, remove from the power head and split in to two halves.

9.2 If using compressed air, blow from the inside.

Chain oiling port

9.3 Dismount the guide bar and check the oil port for clogging.



Guide Bar

9.4 With the guide bar dismounted, remove any saw dust in the bar groove (1) and oiling port. Grease the nose sprocket using the fill port (2) on the tip of the bar.

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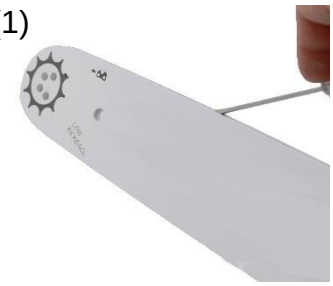
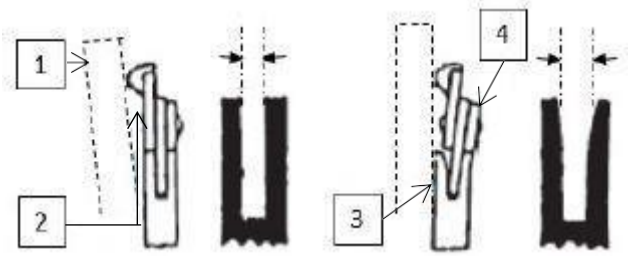


(2)

9.5 Reverse the bar occasionally to prevent partial wear.

9.6 The bar rail should always be square. Check for wear of the bar rail.
Apply a ruler to the bar and the outside of the cuter.
If there is a visible gap between them the rail is normal.
If the rail is worn then the bar will need to be corrected or replaced.



1. Ruler 2. Gap 3. No gap 4. Chain tilts

Spark Plug

WARNING

The spark plug MUST be tightened with a torque of 9.8 – 11.8Nm otherwise the engine will overheat causing damage.
Only complete the following steps after the engine has been turned off and allowed to cool.

9.7 Carefully remove the spark plug HT lead cap (1).

9.8 Using the tool provided unscrew the spark plug (2) in an anti-clockwise direction.

9.9 If there is visible damage or electrode erosion to the spark plug then you **MUST** replace it.

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9.10 Remove carbon deposits from the spark plug using a soft wire brush.

9.11 The spark plug gap should be 0.6 – 0.9mm.
Check the gap using a feeler gauge and adjust as necessary by carefully bending the side electrode to achieve the correct gap.

Oil Filter

9.12 Remove the oil filler cap (1).

9.13 Using a wire hook, carefully remove the oil filter (2) as shown below.

9.14 Once removed, clean the oil filter in petrol and replace.

9.15 If possible remove any dirt and debris inside the reservoir.

9.16 When reinstalling the oil filter back into the tank, make sure the filter sits at the front right corner of the tank.

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Fuel Filter

9.15 Remove the fuel filler cap (1).

9.16 Using a wire hook, remove the fuel filter (2) through the filler point as shown below.

9.17 Disconnect the filter and wash in petrol or replace where necessary.

9.18 Ensure that while the filter is disconnected, no debris or fibres from the fuel filter enters the fuel pipe.

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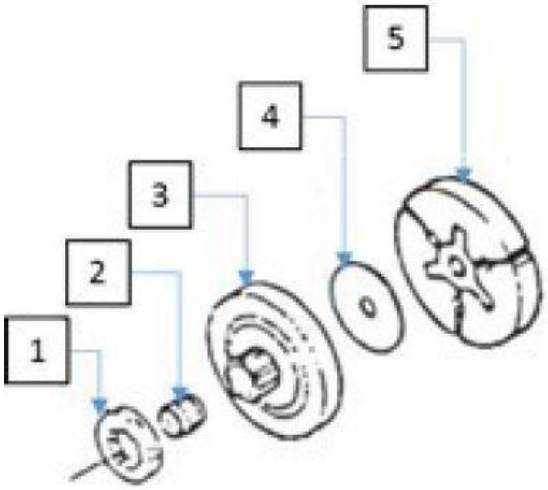
9.17 Sprocket.

9.18 Check for cracks and for excessive wear interfering with the chain drive.

9.19 If wear is obvious, replace with a new one.
Never fit a new chain to a worn sprocket, or a worn chain on a new sprocket.



1. Sprocket 2. Needle bearing. 3. Clutch drum. 4. Spacer. 5. Clutch shoe.

Saw Chain

WARNING

It is important that the saw chain cutters are kept sharp for safe and smooth operation.
Always wear gloves when handling the saw chain.

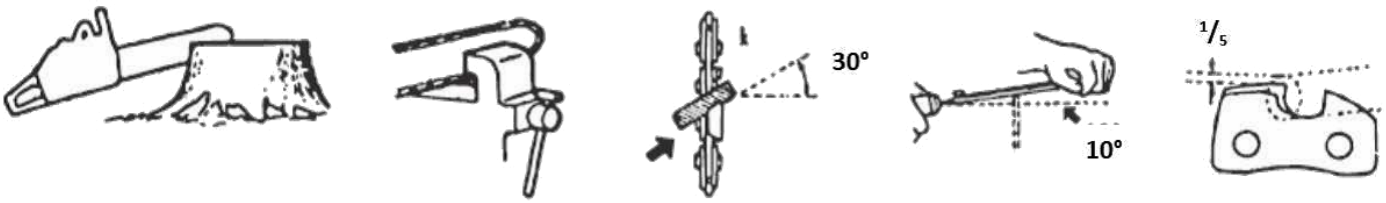
9.31 Your saw chain will require sharpening when:
Sawdust becomes powder like.
You need to apply extra force to saw wood.
The cut way does not go straight.
Vibrations increase.
Fuel consumption increases.

9.32 Make sure the engine has stopped and has been allowed to cool down.

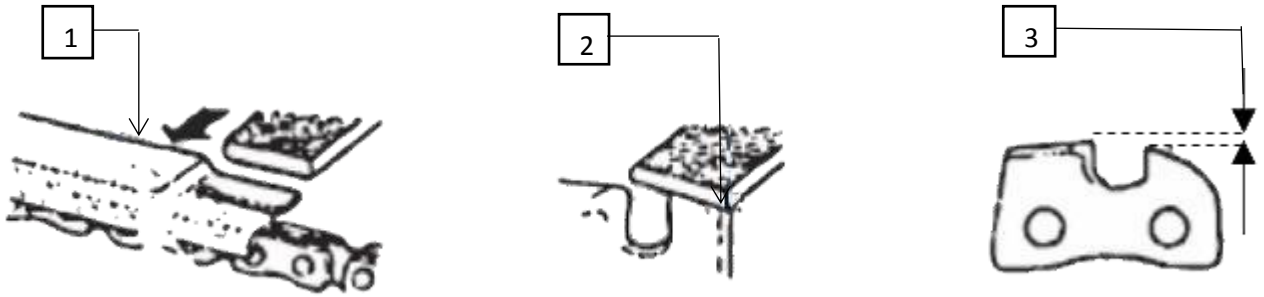
9.33 Make sure the saw chain is held securely.

9.34 Use the correct size round file (3/16" / 4.76mm) for your chain type (type 21VB).

9.35 Place your file on the cutter and push straight forward. Keep the file position as illustrated.

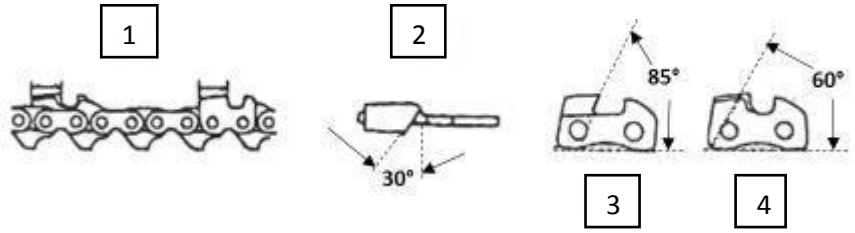


9.36 After every cutter has been set, check the depth gauge and file to the proper level as illustrated



1. Appropriate gauge checker 2. Round the shoulder 3. Depth gauge standard

9.37 Make sure every cutter has the same length and edge angles as illustrated below.



1. Cutter length 2.Filing angle. 3. Side plate angle 4. Top plate cutting angle.

	Before each operation	After each operation	After each refuelling stop	Weekly	Monthly	Annually	As required
Clean Fuel Tank					**O**		
Clean chain oil tank					**O**		
Check chain lubrication	**O**						
Check saw chain sharpness	**O**						
Clean Chain	**O**		**O**				
Check guide bar	**O**						
Clean and rotate guide bar							**O**
Replace guide bar							**O**
Check chain sprocket				**O**			
Clean Air filter							**O**
Check anti-vibration elements	**O**						
Clean air inlet on fan housing		**O**		**O**			
Clean cylinder fins		**O**			**O**		
Check carburetor idle adjustment	**O**						
Check spark plug gap							**O**
Replace spark plug	**After 100 hours of use**						
Check clutch	**O**		**O**				

10. TROUBLE SHOOTING

PROBLEM	PROBABLE CAUSE	CORRECTIVE ACTION
Engine will not start	Water in the fuel or sub-standard mixture.	Replace fuel.
	Engine flooding.	Remove and dry the spark plug. Start engine without choke.
	No or bad spark.	Replace spark plug.
Lack of power. Poor acceleration or idling.	Water in the fuel or sub-standard mixture.	Replace fuel.
	Clogged air filter.	Clean filter or replace.
	Clogged fuel filter.	Clean filter or replace.
	Badly adjusted carburetor.	Adjust speed needles.
Chain oil does not come out when running.	Poor oil quality.	Replace the oil.
	Clogged oil passage.	Clear blockage.

11. STORAGE & TRANSPORTATION

10.0 Storage.

10.1 Empty the fuel tank and run the engine until it runs out of fuel.

10.2 Empty the chain oil tank.

10.3 Inspect and clean the entire chainsaw.

10.4 Ensure the saw chain guard is placed over the saw chain.

10.5 Store the chainsaw in a clean, dry place out of reach of children.

10.6 Transportation.

10.7 When moving the chainsaw from one location to another you **MUST** turn off the engine and make sure the saw chain guard is fitted.

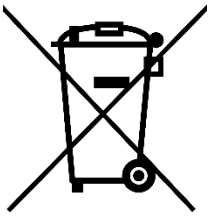
10.8 If transporting in a vehicle you **MUST** ensure the chainsaw is kept level and safely secured to prevent any fuel or oil leakage and to avoid any possible damage.

12. RECYCLING & PRODUCT DISPOSAL

11.0 We do not offer a takeback scheme for the recovery of Waste Electrical Electronic Equipment (WEEE) & Batteries.
Instead the responsibility to dispose of WEEE and or Batteries is passed onto you by us.
So when it becomes necessary to dispose of your machine you must take it to your local Civic Amenity Site.
For further information please contact your local Authority for disposal advice.

10.1 You **MUST** make sure that all unused oil and fuel is disposed of correctly either beforehand or at your local Civic Amenity Site.
Under NO circumstances must any fuel or oil be put down any drains.

10.2 Certain products contain WEEE waste which should not be disposed of in your domestic waste.



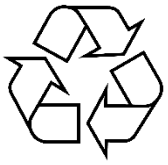
10.3 You **MUST** recycle WEEE in accordance with your local authority or recycling centre.

10.4 Certain products contain batteries which should not be disposed of in your domestic waste.

10.5 You **MUST** recycle batteries in accordance with your local authority or recycling centre.

10.6 Unwanted packaging and materials should be stored and taken to a recycling centre so it can be disposed of in a manner which is compatible with the environment.

10.7 The following symbol means that you should 'Reduce – Reuse – Recycle'.



10.8 We are a Member of the VALPAK National Compliance Scheme and our registration number is **RM08660**

10.9 For further information about disposal please contact your Local Authority.

10.10 You can also get more advice and guidance about recycling at the following website http://www.recycle-more.co.uk

10.11 Should you pass this product on to another user either sold or loaned, you **MUST** pass on this user manual.
This will make sure that all other users can use and maintain this machine safely.

13. DECLARATION OF CONFORMITY

Genpower Ltd confirms that these Hyundai products conform to the following CE Directives.

97/68/EC Non Road Mobile Machinery Directive
2000/14/EC Outdoor Noise Directive
2004/108/EC Electro Magnetic Compatibility Device
2006/42/EC Machinery Directive

14. CONTACT DETAILS

11.0 POSTAL ADDRESS	Genpower Ltd, Isaac Way, London Road, Pembroke Dock, Pembrokeshire. SA72 4RW. UK.
11.1 TELEPHONE	+44 (0) 1646 687880
11.2 FAX	+44 (0) 0164 686198
11.4 WEBSITE	www.p1pe.co.uk

MANUAL UPDATES

12.0 Our manuals are constantly being reviewed and updated.
However if you find and error, omission or something you find unclear, please contact your dealer for assistance.

12.1 Our latest manuals are also placed online.

12.2 We reserve the right to make any modifications without prior notice whenever necessary.

WARRANTY

13.0 To register your product for the manufacturer's warranty, please visit:

https://p1pe.co.uk/warranty/

P1PE – Position One Power Equipment
Isaac Way, Pembroke Dock, Pembrokeshire,
SA72 4RW
www.p1pe.co.uk