



**POWER  
BLADE**

# 18" Self-Propelled Petrol Lawn Mower VS500



## User Manual

[Revision 3.0 February 2020]

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READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.

The product is NOT supplied with engine oil, although traces of oil from the manufacturing process may be present. It is essential to add adequate engine oil of the correct type to the engine before use. **Failure to add engine oil will void the product warranty.**

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# Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You **WILL** be KILLED or SERIOUSLY INJURED if you do not follow instructions.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- **Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

## General Work Area Safety

- Work areas should be clean and well lit.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.



You **CAN** be KILLED or SERIOUSLY INJURED if you do not follow instructions.

## General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol or medication.
- This equipment is not intended for use by persons with reduced physical, sensory or mental capabilities.

## General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start or run the engine until all leaks are fixed.

## General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines OUTSIDE only, and far away from windows, doors and vents.



You **CAN** be INJURED if you do not follow instructions or equipment damage may occur.

## General Equipment Use and Care

- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.



### General Electrical Safety

- Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.
- Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.
- When wiring electrically powered equipment, follow all electrical and safety codes.
- Wherever possible, use a residual current device (RCD).
- High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.

### General Electrical Safety

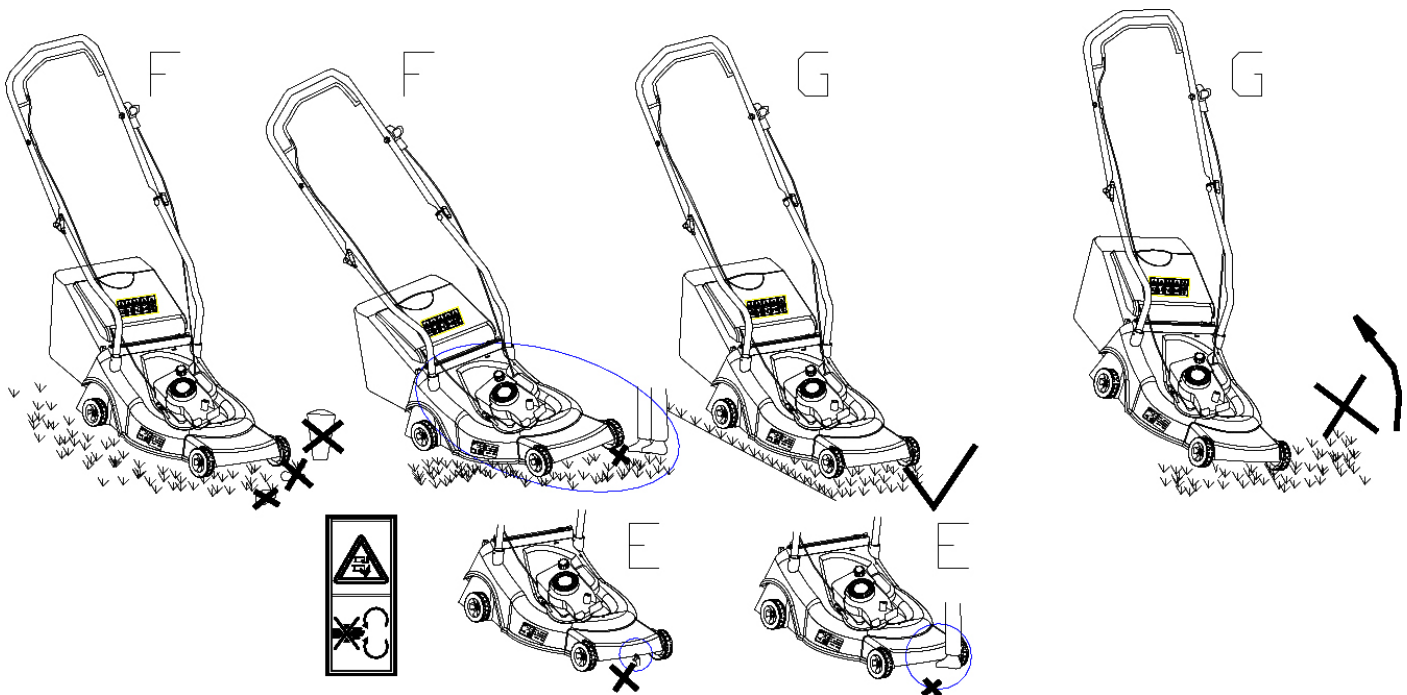
- Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.
- Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.
- Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.
- Do NOT use electrical equipment in wet conditions or in damp locations.
- Do NOT use electrical cords to lift, move or carry equipment.
- Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.

### General Service Information

- The equipment must be serviced or repaired at authorised service centres by qualified personnel only.
- Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.
- Do NOT attempt any maintenance or repair work not described in this manual.
- After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories or performing repair or maintenance.
- Do NOT adjust while the equipment is running.
- Perform service related activities in suitable conditions, such as a workshop.
- Replace worn, damaged or missing warning/safety labels immediately.

### Lawn Mower General Safety

- Always use the lawnmower with the grass catcher or/ and the deflector in position.
- Stop the engine before emptying the grass catcher or before you change the cutting height.
- While the engine is running, never introduce your hands or feet under the lawnmower or under the grass ejection area. Fig. E.
- Before mowing, remove all foreign objects from the lawn, which maybe thrown by the machine. Fig. F.
- Keep children and other people and domestic animals at a safe distance when the lawnmower is in use.
- Never lift the mower while starting the engine. Fig. G.




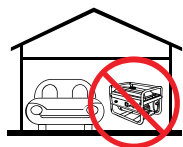
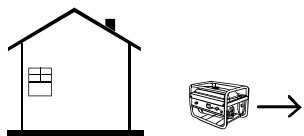


### General Conditions of Use

- This machine is to be used exclusively for cutting natural grass. Never use the mower for other purposes. Any other utilization can involve danger for your safety and can involve damage to the mower.
- Persons under 16 years of age and persons who are not familiar with the user instructions must not use the mower.
- The user is responsible of the safety of other people in the working area. Keep children and domestic animals at a safe distance while the mower is in use.
- Before mowing, remove all foreign object from the lawn which may be thrown by the machine, stay alert for any foreign objects which may have been missed.

### Safe Usage Instructions

- Check that all nuts, bolts and screws are well tightened.
- Before mowing, place the grass catcher in its position.
- Before mowing, make sure that the blade and the blade fixing screw are securely fastened. When cutting edges require resharpener, this must be done evenly on both sides so as to prevent any imbalance. If the blade is damaged, it must be replaced.
- When mowing, always wear a long trousers and tough footwear.
- Do not run the engine in an enclosed and/or poorly ventilated area. Engine exhaust contains carbon monoxide, which is dangerous for your health.
- Work only when there is sufficient light.
- Do not use the lawn mower when it is raining or when the grass is wet.
- Particular precautions must be taken while mowing on slopes or downing stretches. Mow across the face of slopes, never down or up.
- Turn off the engine if you must leave the lawn mower unattended, displace the lawn mower or incline it.
- Never lift the rear of the mower while starting the engine and never place your hands and feet underneath the deck or into the rear discharge chute while the engine is running.
- **Never change in any way the rated speed of the engine.**
- On the self-propelled mowers, disconnect the self-propelled system before starting the engine.
- Never lift or carry the mower while the engine is running.
- Stop the engine and remove the spark plug cover in these cases:
  - Before any operation, under the deck or the grass rear discharge chute.
  - Before any maintenance, repairing or checking operations.
  - Before carrying, lifting or removing the mower.
  - If you leave the mower unattended or changing the cutting height.
  - To remove and emptying the grass catcher.
- After hitting a foreign object, stop the engine and check thoroughly the mower in order to see if it is damage. Bring the mower in an agreed service station to do the repairing if necessary. **WARNING: After you stopped the engine, the blade is still in motion during a few seconds.**
- If the mower vibrates in an abnormal way, find the reasons why, and take your mower to an authorised service station.
- Check regularly that bolts, nuts and screw are secularly tightening for a safe use of the mower.
- **WARNING: GASOLINE IS HIGHLY INFLAMMABLE.**
  - Keep gasoline in a jerry can specially made for this purpose.
  - Fill up the tank with a funnel, do the operation outside. Do not smoke. Do not use mobile phone.
  - Fill up with gasoline and oil before staring the engine. Never open the cap of the fuel tank to add gasoline while the engine is running or still hot.
  - Do not start the engine if there is some gasoline spread around, take the mower away from the one where gasoline have been split and avoid any contact from a hot source as long as the split gasoline is completely evaporated.
  - Tighten the fuel tank cap and close tightly the jerry can cap.

 <b>DANGER</b> 	
<b>Using an engine or wood/charcoal/gas fuelled appliance indoors CAN KILL YOU IN MINUTES.</b> <b>Engine exhaust and wood/charcoal/gas fumes contain carbon monoxide. This is a poison you cannot see or smell.</b>	
 	
<b>NEVER use inside a building, home, garage, boat, caravan or tent EVEN IF doors and windows are open.</b>	<b>Only use OUTSIDE and far away from windows, doors, and vents.</b>
<b>Avoid other hazards - READ MANUAL BEFORE USE.</b>	

**GENERAL:**

- Do not operate in a hazardous location. Such areas include where there is a risk of explosion of petrol fumes, leaking gas or explosive dusts.
- Do not operate in a confined area where exhaust gases or wood/charcoal/gas fumes could reach dangerous concentrations.

**PRODUCTS FEATURING AN ENGINE**





















- Follow all warnings in the section titled "GENERAL".
- Explosion hazard - never smoke while refuelling.
- Take care not to spill fuel. When refuelling the engine, ensure that the engine has been allowed to cool. Prevent spilling of fuel as this may also ignite with a hot engine.
- Never refuel while engine is running.













**GENERATORS**

- Follow all warnings in the sections titled "GENERAL" and "PRODUCTS FEATURING AN ENGINE".
- The output of this generator is potentially lethal. The generator should not be connected to a fixed electrical installation except by an appropriately licensed person.
- Not weatherproof – protect your machine. This machine is not weatherproof and should not be exposed to direct sunlight, high ambient temperature, damp conditions, wet conditions or high humidity conditions.

## Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

 <p><b>Flammable Material Hazard</b> Flammable liquids, gases or substances etc may present. Avoid ignition sources and open flames. Danger of fire.</p>	 <p><b>Read User Manual</b> Read and fully understand product safety warnings, operation, procedures etc before using the product.</p>	 <p><b>Use Hand Protection</b> Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.</p>	 <p><b>Carbon-Monoxide Hazard</b> Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>
 <p><b>Electrocution / Electrical Shock Hazard</b> High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.</p>	 <p><b>Toxic Fumes / Dust Hazard</b> Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.</p>	 <p><b>Explosive Material Hazard</b> Combustible liquids, gases or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.</p>	 <p><b>Cutting / Amputation Hazard</b> The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.</p>
 <p><b>Crush Hazard</b> The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p><b>Single Operator Only</b> The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.</p>	 <p><b>Use Face Protection</b> Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.</p>	 <p><b>Use Foot Protection</b> Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.</p>
 <p><b>Use Eye / Ear / Head Protection</b> Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing and head hazards.</p>	 <p><b>Running Hazard</b> Do not run on or near the product as doing so may present a fall hazard.</p>	 <p><b>Diving Hazard</b> Do not dive into the product as doing so may present a neck / head injury hazard.</p>	 <p><b>Adult Supervision Required</b> Always supervise children and other users of a product to prevent drowning or injury.</p>
 <p><b>Skin Penetration / Puncture Hazard</b> The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.</p>	 <p><b>Hot Surface Hazard</b> Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.</p>	 <p><b>Flying Debris Hazard</b> Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.</p>	 <p><b>Moving Parts Hazard</b> Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.</p>

 <p><b>Carbon-Monoxide Hazard</b> Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>	 <p><b>Pull Hazard</b> Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p><b>Slope / Fall Injury Hazard</b> Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.</p>	 <p><b>"Slam Dunk" Warning</b> Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.</p>
 <p><b>Electrocution / Electrical Shock Hazard - Outdoor</b> High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp or wet conditions. Electrical shock can be fatal.</p>	 <p><b>Electrocution / Electrical Shock Hazard - Disconnect</b> High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.</p>	 <p><b>Power Line Electrocution Hazard</b> High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.</p>	 <p><b>"Kick-Back" Hazard</b> High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.</p>
 <p><b>Winch Operator Position Hazard</b> Do NOT stand between winch and load. Do NOT use winch to move people.</p>	 <p><b>Winch Lift Hazard</b> Do NOT LIFT load vertically. Use machine to PULL only.</p>	 <p><b>Cable Hazard</b> Ensure that load bearing cable is not kinked or knotted.</p>	 <p><b>Winch Cable Hazard</b> Ensure that there is a minimum number of cable coils on winching mechanism.</p>
 <p><b>Winch Hook Hazard</b> Carry hook to load – do NOT throw or run.</p>	 <p><b>Flash / Blinding Hazard</b> Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.</p>	 <p><b>Laser Hazard</b> Laser may be in use – do NOT look directly at laser or allow others to.</p>	

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## Parts Identification



*Colours and appearance may vary*

No.	Name
1	Throttle control
2	Upper handle
3	Grass catcher
4	Height adjusting lever
5	Deck
6	Lower handle
7	Engine
8	Priming bulb
9	Drive lever



# Assembly

## Grass Catcher Assembly

Clip the plastic clips over the metal frame. Make sure that these clips are fully secured to the metal frame.



## Handle Assembly

It is necessary to attach both the lower handle and handlebars.

1. To attach the lower handles, first remove the two lower handlebar locking knobs. Place the lower handle in position by aligning the two lower handle ends on the outer side of the metal mounting plates located at the back of the mower deck.
2. Once in position, insert the bolt on each side through the mounting plate and then through the lower handle (1).

**NOTE:** There is a notch on the metal bar where the bolt head will sit securely once fastened).



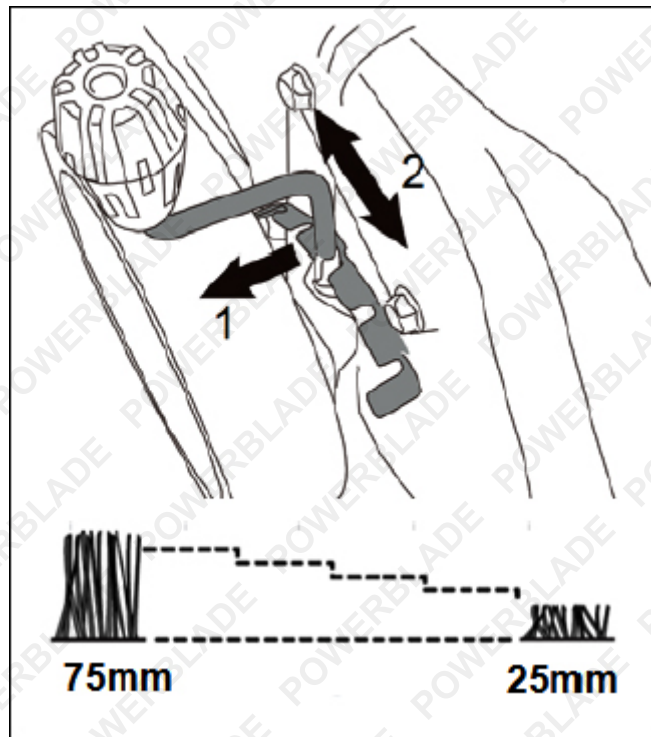
## 18" Self-Propelled Petrol Lawn Mower – VS500

3. Once the bolts are loosely in position, fit the plastic tube spacer so the curved section of the spacer wraps around the handle tube. Then attach the lower handlebar locking knobs (2) on the outer side of the lower handles and secure until tight.
4. To attach the upper handlebar, first remove the two handlebar locking knobs.
5. Position the handlebar over the lower handles just below the lower handlebar, aligning the holes in the upper handle with those in the lower handles. Insert the two locking knob bolts through the lower handle, then through the upper handle holes.
6. Once the bolts are loosely in position fit the plastic tube spacer so the curved section of the spacer wraps around the upper handle tube. Then attach the handlebar locking knobs on the outer side of the upper handle and secure until tight.

## Cutting Height Adjustments



**WARNING:** Stop the engine and unplug the spark plug before any repairs or maintenance operations. The mower has one lever to easily adjust the cutting height.



## Operation

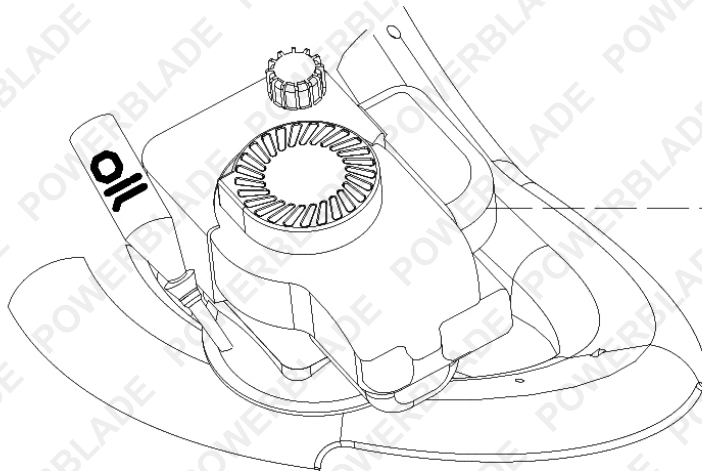


**WARNING!** • The blade begins to rotate as soon as the engine has been started. • Do not operate the machine in enclosed or poorly ventilated areas as the exhaust gas contains toxic substances. • Keep hands, feet, hair and clothing away from all moving parts of the machine. • The exhaust and other parts of the machine will become hot during use. • Make sure that the blade is securely fastened before starting the engine. • To start the engine, make sure that the spark plug boot is located on the plug and the machine is filled with sufficient oil and petrol.

**WARNING!** Engine delivered without oil: add 0.4liter of oil before starting the engine.



**Please note:** Before using the mower, you must apply air filter oil to the foam air filter element. This prevents dust ingress into the motor, thus preventing potential engine damage or failure. This should also be done after cleaning the air filter.



**AIR FILTER**

## Starting the Engine



**NOTE:** • Before starting the mower check the oil and fuel levels. Warranty will be void if the engine becomes faulty due to insufficient oil and fuel levels. • Ensure the mower is set to the highest height setting so the blades are not resting deep into the grass.

1. Move the throttle lever to the START/RUN position.



18" Self-Propelled Petrol Lawn Mower – VS500

2. Depress the priming bulb fully 2-3 times.



3. Pull the recoil starter lightly until you feel resistance then pull quickly until the engine starts. Do not pull the cord with a jerk or release it until fully rewound.



## Speed Control

The speed of this motor is preset at the factory and will automatically maintain the motor speed during operation. There is NO speed adjustment on the Start and stop lever. The lever is just to run or stop the motor.

## Stopping the Engine

To stop the engine, push the throttle lever right back to the OFF position.



## Important Primer Bulb Information

The Primer bulb pump is designed to deliver fuel directly into the engine for easy start. Follow these guidelines and you should have trouble free starting.



## 18" Self-Propelled Petrol Lawn Mower – VS500

- For first starting at the beginning of the mower session, Pump the primer 2 – 3 times. **DO NOT EXCEED 3 PUMPS.**
- To restart a cold engine i.e. after the engine has started and run for just a short time, you will only need to pump the bulb once. **DO NOT EXCEED 2 PUMPS.**
- To restart a hot engine, you will not need to pump the primer at all.

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**NOTE.** If you over pump the engine, it will not start. DO NOT re-pump the engine primer.

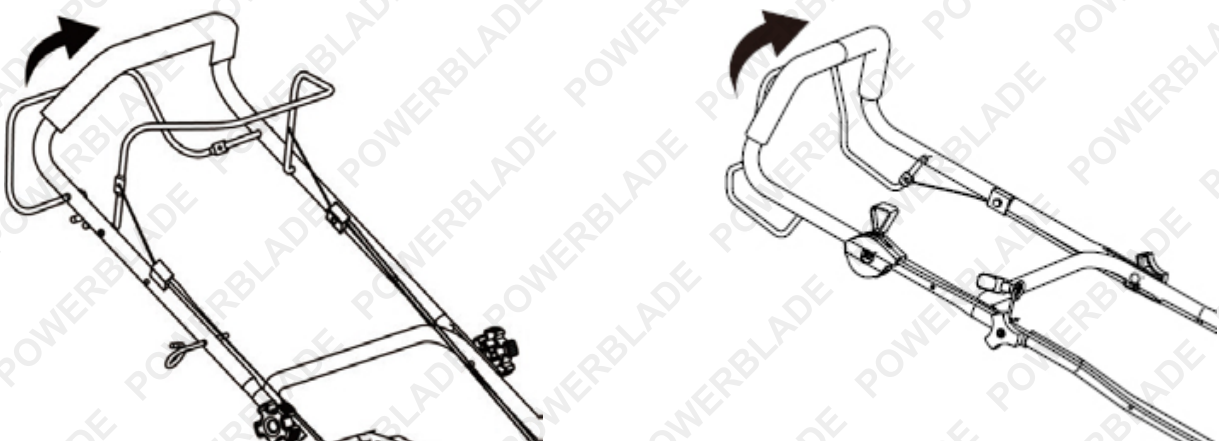
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- Continue to pull the recoil starter and after a number of pulls the engine will start mowing uneven or rough ground. Keep a firm grip on the handlebar at all times, always walk, never run with the mower.

## Mowing Tips

- The speed of the motor is governed to a pre-factory set speed and the motor will try and maintain this speed during use. If the speed of the engine slows, this could indicate the mower is being overloaded, by trying to cut too much grass or the catcher may be full. Try mowing a narrower strip, mowing slower, raising the cutting height or emptying the catcher.
- Before mowing, always check and clear the grassy area of all foreign objects, especially solid ones semi-concealed in the ground such as rocks, stumps and garden stakes.
- Sharp blades cut cleanly and efficiently; if the blade is dull, it will tear the grass. This will result in the ends turning brown. When the blades no longer cut cleanly, either sharpen them or replace them.
- To safely operate the mower, ensure all four wheels are on the ground and be careful not to lose your footing or control of the mower. Be very careful when mowing uneven or rough ground. Keep a firm grip on the handlebar at all times, always walk, never run with the mower.
- For healthy growth, grass should not be cut too short. The grass will remain healthier, greener and require less watering.
- Vary your cutting pattern from week to week, this will help to prevent matting and graining of the grass.

## Using the Self-Propelled Function



This unit equipped with a self-propelled system. If you press the drive lever (clutch lever), the clutch for the drive will be closed and the lawnmower will start to move with the engine running.

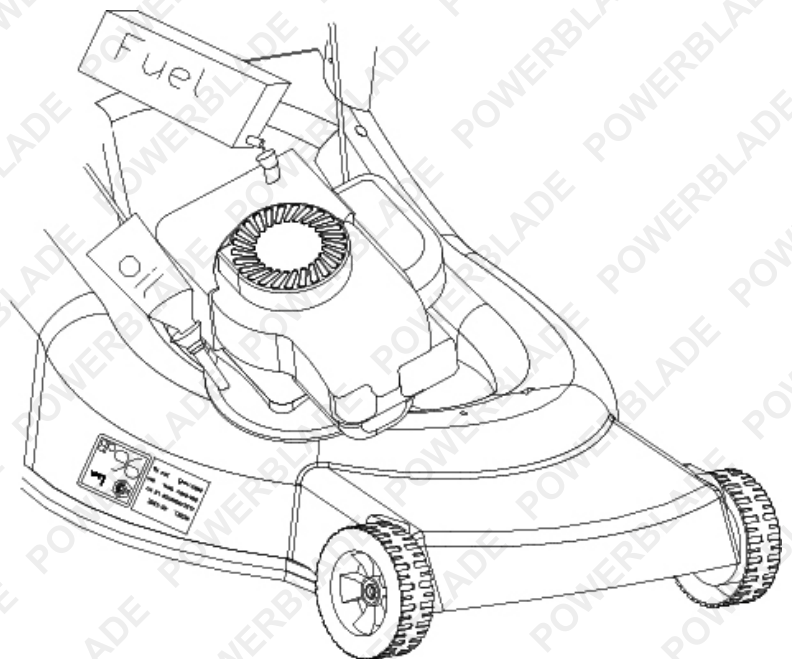
To stop the moving lawnmower, just simply release the drive lever.

# Maintenance and Storage



**WARNING!** Before performing any maintenance or cleaning work, switch OFF the engine and wait until the blade has come to a stop. Unplug the spark plug before an repairing or maintenance operations.

- Make sure that all nuts, bolts and screws are kept well tightened to keep the lawnmower in a safe operating condition.
- Never store the lawnmower with a tank with gasoline in an enclosed area where gasoline fumes could reach a strong heat source or a flame. Allow the engine to cool down before you store your lawnmower in any storage place.
- In order to reduce any risk of fire, clean the lawnmower and in particularly the engine, the muffler, the fuel tank. Suppress all grass traces or leaves or excess of grease.
- Check frequently the condition of the deflector and the grass catcher, replace them if they are damaged.
- In case of drain oil of the tank before winter, do this operation outside.
- Wear thick gloves for the mounting and the sharpening of the blade. Be sure that the blade is always well balance.



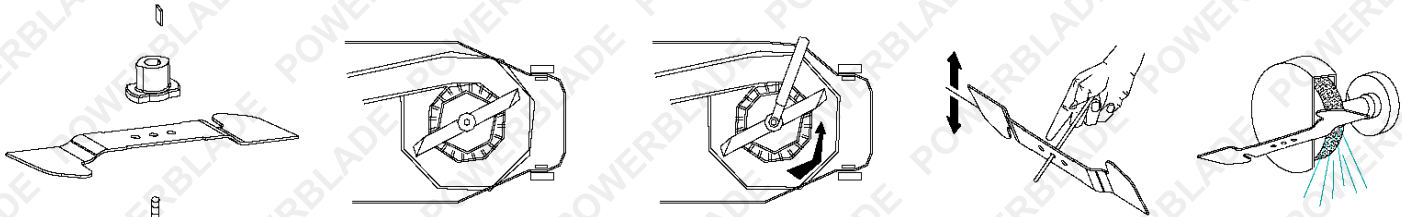
- For four strokes engines, read carefully the maintenance engine manual. Check regularly the oil level and add some oil or replace it if necessary.
- Frequently check the lawnmower and ensure that all grass deposits are removed from beneath the deck.
- Lubricate regularly the wheel axle and the bearings with grease.
- Check often the blade, in order to obtain a clean work, the blade should always be sharp and well balance.
- At regularly intervals check the tightening of all bolts and screws. Wear off or badly tightening nuts and bolts can involve some important damages to the engine or the frame.
- If the blade hits violently an obstacle, stop the lawnmower and bring it to agreed service station.

## Blade Maintenance

The blade is made of pressed steel, in order to obtain a clean work, sharpen the blade frequently, around every 25 hours of work. Be sure that the blade is always well balance, introduce a small iron axle ( $\phi 2$  or  $\phi 3$  mm) in the central hole of the blade, it should stay horizontal. If the blade does not stay horizontal, balance it by taking off some metal on the side, which is down. **USE ONLY BLADES SUPPLIED BY THE MANUFACTURER.**

To remove the blade, loosen the screw, check the blade support and change all spare parts if they are worn out or damaged.

When reassembling the blade, make sure that the cutting edges face in the direction of the engine rotation. The blade screw must be torque to 3.7 K • gm (37Nm) with a dynamometric tool.



# Troubleshooting



**WARNING!** Before performing any maintenance or cleaning work, switch off the engine and wait until the blade has come to a stop.



**CAUTION!** • Improper repairs can result in the product functioning unsafely. This endangers yourself and your environment. • Faults which cannot be rectified with the aid of following table may be rectified by a specialist company only (customer service centre). • Please be aware that any improper repairs will also invalidate the warranty and additional costs may be incurred. • Use only genuine spare parts. Only these spare parts are designed and suitable for the product. The use of other spare parts not only voids the warranty, you can also endanger yourself and your environment.

Fault/Malfunction	Cause	Remedy
<b>Loud while running, machine vibrates heavily</b>	Screws are loose	Check screws
	Blade fasteners are loose	Check blade fasteners
	Blade is unbalanced	Replace blade
<b>Engine does not start</b>	Spark plug is defective	Replace spark plug
	Cutting blade worn or damaged	Replace blade
	Fuel tank is empty	Refill with fuel
	Engine may be flooded	Remove plug and dry
<b>Engine runs unsteadily</b>	Air filter is soiled	Clean the air filter
	Spark plug is soiled	Clean the spark plug
<b>Uneven mowing results</b>	Blade is blunt	Sharpen the blade
	Cutting height is too low	Set correct height
<b>Grass catcher is not filled sufficiently</b>	Blade is worn	Replace the blade
	Grass catcher is clogged	Empty the grass catcher
	Lawn / Grass is wet	Allow the lawn to dry
	Discharge channel/housing blocked	Clear the discharge channel/housing
	Underside of the mower deck clogged	Clean the underside of the mower deck



# Specifications

<b>Engine Type</b>	4 Stroke
<b>Displacement</b>	175cc
<b>Cutting Width</b>	18 inches
<b>Deck</b>	Steel
<b>Cutting Height</b>	25-75mm
<b>Wheels</b>	Front 7", Rear 10"
<b>Adjustment System</b>	Central, 7 Positions



**Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see [www.datastreamserver.com/safety](http://www.datastreamserver.com/safety)**

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

