

GARDENLINE®

essentials

99cc PETROL LAWN MOWER

User Guide

After Sales Support

Now you have purchased a Gardenline® product you can rest assured in the knowledge that as well as your 3 year parts and labour guarantee you have the added peace of mind of dedicated helplines and web support



AFTER SALES SUPPORT

W2

 **AUS** 1800 909 909  www.powertoolsupport.com

MODEL: 43668 PRODUCT CODE: 43668 10/2014

3

YEAR WARRANTY

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Introduction

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Your new Gardenline® lawn mower will more than satisfy your expectations. It has been manufactured under stringent Gardenline® Quality Standards to meet superior performance criteria.

You will find your new lawn mower easy and safe to operate, and, with proper care, it will give you many years of dependable service.

CAUTION. Carefully read through this entire instruction manual before using your new Gardenline® lawn mower. Take special care to heed the Cautions and Warnings.

Your Gardenline® lawn mower has many features that will make your job faster and easier. Safety, performance, and dependability have been given top priority in the development of this lawn mower, making it easy to maintain and operate.

Environmental protection

Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.



What your 3 year warranty means

Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly. In the event of product failure within its intended use over the course of the first 3 years after the date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product please contact us via our after sales support services, details of which can be found in this manual and on the product itself.

After Sales Support TEL: 1800 909 909



General Information & Safety Instructions 2

Description of symbols

The rating plate on your lawn mower may show symbols. These represent important information about the product or instructions on its use.



Conforms to relevant standards for electromagnetic compatibility.



Wear hearing protection. Wear eye protection.
Wear breathing protection.



Wear safety footwear.



Wear safety gloves.



Warning.



Read these instructions for use carefully.



Use at a distance of at least 15m from other people.



Thrown objects can cause severe injury. Do not operate the unit without the safety guard in place. Keep away from rotating cutter.



Explosive material.



Extremely hot surface. Do not touch a hot muffler, gear box or cylinder, you may get burned. These parts get extremely hot from operation and remain hot for a short time after the unit is turned off.



Noise label rating 75dBA (taken at 7.5 metres) you must wear ear protection at all times.



General Information & Safety Instructions **2**

Specifications

Engine:	99cc Four Stroke
Engine Capacity:	99cc
Bore:	56mm
Stroke:	40mm
Speed:	3,100 RPM
Fuel Type:	Unleaded petrol
Oil Type:	4 Stroke Motor Oil 10-30W (SAE 10W/30)
Fuel Tank Capacity:	700ml
Oil Tank Capacity:	400ml
Width of cut:	400mm (16")
Blades:	Bar blade
Height adjustment:	8 Levels, 17 – 70mm
Spark Plug Type:	LG6RTC
Equivalent Replacement Spark Plugs:	NGK BPR6ES Champion RN11YC
Catcher Capacity:	45 Litres
Weight (GW):	21kg
Noise label rating 75dBA (taken at 7.5 metres).	

General Information & Safety Instructions 2

Safety instructions

WARNING Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term “power tool” in all of the warnings below refers to your mains-operated (corded) power tool, battery-operated (cordless) power tool or your petrol operated product.

Save these instructions

Work area

- Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Personal safety

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Safety equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Remove any adjusting key or wrench before turning the tool on. A wrench or a key that is left attached to a rotating part of the power tool may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- If devices are provided for the connection of dust extraction and collection facilities ensure that these are connected and properly used. Use of these devices can reduce dust-related hazards.

General Information & Safety Instructions **2**

Power tool use and care

- Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Turn tool off completely before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from intended could result in a hazardous situation.

Service

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

General Information & Safety Instructions 2

Safety rules for petrol lawn mowers

Training

- Read the instructions carefully. Get familiar with the controls and proper use of the equipment.
- Only use the lawn mower for the purpose for which it was designed, i.e. for cutting and collecting grass. Any other use can be hazardous, causing damage to the machine.
- Never allow children or people unfamiliar with these instructions to use the lawn mower. Local regulations may restrict the age of the operator.
- Never use the lawn mower:
 - When people, especially children, or pets are nearby.
 - If the operator has taken medicine or substances that can affect his ability to react and concentrate.
- Remember that the operator or user is responsible for accidents or hazards occurring to other people or their property.

Preparation

- While mowing, always wear sturdy footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.
- Thoroughly inspect the area where the equipment is to be used and remove all objects which may be thrown by the machine or damage the cutter assembly and the engine (stones, sticks, metal wire, bones, etc.)

WARNING: DANGER! Engine fuel is highly flammable:

- Store fuel in containers specifically designed for this purpose.
- Refuel using a funnel and outdoors only. Do not smoke while refuelling or whenever handling the fuel.
- Add fuel before starting the engine. Never remove the cap of the fuel tank or add fuel while the engine is running or when the engine is hot.
- If fuel is spilled, do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until the fuel has evaporated and the vapour dispersed.

General Information & Safety Instructions **2**

- Replace all fuel tanks and containers caps securely.
- Substitute faulty silencers.
- Before use, always inspect the machine, especially the condition of the blades, and check that the screws and cutting assembly are not worn or damaged. Replace worn or damaged blades and screws in sets to preserve balance.
- Discharge openings must be guarded at all times. Do not remove the discharge guard or hold it up while mowing.
- It is advisable to wear suitable eye protection when operating the mower.

Operation

- Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect.
- Mow only in daylight or good artificial light.
- If possible, avoid operating the equipment in wet grass.
- Always be sure of your footing on slopes.
- Walk, never run and do not allow yourself to be pulled along by the lawn mower.
- Mow across the face of slopes, never up and down.
- Exercise extreme caution when changing direction on slopes.
- Do not mow on slopes of more than 20°.
- Exercise extreme caution when pulling the lawn mower towards you.
- Stop the blade if the lawn mower has to be tilted for transportation when crossing surfaces other than grass, and when transporting the lawn mower to and from the area to be mowed.
- Never operate the lawn mower with defective guards, or without safety devices, such as the stoneguard and/or grass-catcher, in place. Replace if damaged.
- Do not change the engine governor settings or over speed the engine.
- On power-driven models, disengage the drive clutch before starting the engine.

General Information & Safety Instructions 2

- Start the engine carefully, following the instructions and keeping feet well away from the blade.
- Do not tilt the lawn mower when starting the engine.

Start the engine on a flat surface that is free of obstacles and tall grass.

- Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
- Never pick up or carry a lawn mower while the engine is running.
- Stop the engine and disconnect the spark plug wire:
 - Before carrying out any work underneath the cutting deck or before unclogging the chute;
 - Before checking, cleaning or working on lawn mower;
 - After striking a foreign object. Inspect the lawn mower for damage and make repairs before restarting and operating the lawn mower;
 - If the lawn mower starts to vibrate abnormally (find and remove the cause of the vibration immediately).
- Stop the engine:
 - Whenever you leave the lawn mower unattended.
 - Before refuelling.
 - Every time you remove or replace the grass-catcher.
- When mowing, always keep to a safe distance from the rotating blade. This distance is the length of the handle.
- Never cut grass while walking backwards.
- Stop the engine before pushing mower across gravel drives, walks or roads.
- 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.

General Information & Safety Instructions **2**

- The user is responsible for the safety of other people, animals and objects in the working area. Keep children and domestic animals at a safe distance while the mower is in use.

Maintenance and storage

- Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition. Regular maintenance is essential for safety and performance.
- Never store the equipment with fuel in the tank inside a building where vapour may reach a flame or a spark or a source of extreme heat.
- Allow the engine to cool before storing in an enclosed space.
- To reduce the fire hazard, keep the engine, exhaust silencer, battery compartment and fuel storage area free of grass, leaves, or excessive grease. Do not leave containers with grass cuttings in rooms.
- Check the stone-guard and grass-catcher frequently for wear and deterioration and replace if damaged.
- If the fuel tank has to be drained, this should be done outdoors and when the engine is cool.
- Wear strong work gloves when removing and reassembling the blade.
- Check the blade's balance after sharpening.
- For reasons of safety, do not use the equipment with worn or damaged parts. Parts are to be replaced and not repaired. Parts that are not of the same quality can damage the equipment and be dangerous for your safety.
- Whenever the machine is to be handled, transported or tilted you must:
 - wear strong working gloves;
 - grasp the machine at the points that offer a safe grip, taking account of the weight and its distribution.
- Damaged blades and worn bolts are major hazards.
- Fuel goes off in about 3 - 4 months. If you find your mower does not start, try changing the fuel in the tank with newly purchased fuel.

General Information & Safety Instructions 2

Operation safety instructions

WARNING: Stop the engine and unplug the spark plug before any repairs or maintenance operations.

- Check that all nuts, bolts and screws are well tightened before every use.
- Before mowing ensure that the blade and the blade fixing screw are securely fastened. When the blade edges require re-sharpening, this must be done evenly on both sides to prevent any imbalance. If the blade is damaged, it must be replaced.
- When mowing always wear long trousers and strong, covered footwear.
- Do not run the engine in an enclosed and/or poorly ventilated area. The gas of the engine contains carbon monoxide, which is dangerous to 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.
- Caution must be taken while mowing on slopes. Mow across the face of slopes, never down or up.
- Turn off the engine if you must leave the lawn mower unattended.
- Never lift the rear of the mower while starting the engine and never place your hands and feet underneath the deck while the engine is running.
- If working on high grass, adjust the mowing height to reduce the friction and prevent over loading. The optimal mowing height should be 1/3 the height of the grass. It would affect the work efficiency of lawn mower if too much higher or lower.
- Never change the rated speed of the engine in any way .
- 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.
 - Before any maintenance, repairing or checking operations.
 - Before carrying, lifting or removing the mower.
 - If you leave the mower unattended or change the cutting height.

General Information & Safety Instructions **2**

- After hitting a foreign object, stop the engine and check thoroughly the mower in order to see if it is damaged. Take the mower to an authorised service centre to carry out any repairs if necessary.
- If the mower vibrates in an abnormal way, take the mower to an authorised service centre.
- Check the bolts and nuts regularly. Bolts and nuts may vibrate loose over time.

WARNING: Fuel is highly flammable.

- Keep fuel in a jerry can specially made for this purpose.
- Fill the fuel tank with a funnel and outside. Do not smoke or use a mobile phone during this process.
- Fill with fuel and oil before starting 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 spilt fuel on the mower or in the area surrounding. Take the mower away from the zone where fuel has 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 jerry can cap tightly.

Parts List

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Getting Started

Unpacking

Due to modern mass production techniques, it is unlikely that your petrol lawn mower is faulty or that a part is missing. If you find anything wrong, do not operate the tool until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

Contents of carton

- 2 x Upper Handle Bar locking Knobs (including bolts x 2) and two plastic curved washers.
- 2 x Lower Handle locking Bolts and Knobs and two plastic curved washers.
- Spark plug spanner • 45L Hard catcher

Assembly

WARNING: Stop the engine and unplug the spark plug before any repairs or maintenance operations.

WARNING: DO NOT attempt to start this mower without first adding 0.4L of SAE 10W/30 engine oil to the Engine. Refer Page 17.

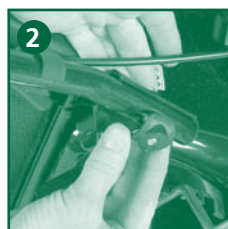
WARNING: Do Not attempt to start this mower without the mower first being FULLY assembled.

It is necessary to fit the lower handle (2), handle bar (1), and catcher (5) to the mower.

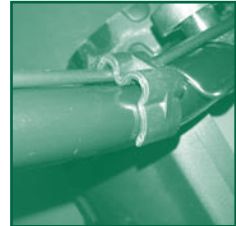
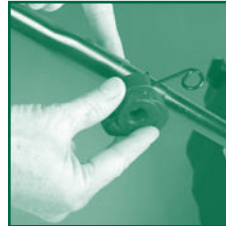
Attaching the handles

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

1. To attach the lower handles, first remove the two lower handle bar locking knobs. Place the lower handle in position by aligning the 2 lower handle ends on the inner 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 lower handle (1) and then through the mounting plate (19). Orientate the bolt so the head sits correctly in the depression in the handle tube.
3. Once the bolts are loosely in position, fit the plastic curved washer over the end of the bolt. Then attach the lower handle bar locking knobs (2) over the plastic curved washer and secure by turning clockwise until tight and secure.



4. After securing the lower handles in to position, extend the upper handle bar into the upright position and then simply secure the upper handle locking knobs that are already loosely in position.



- 5 Check the switch cable is correctly routed and secured with the supplied clip.

Assembly of the hard catcher

1. The grass catcher (5) is supplied in two sections. Locate the top half on top of the bottom half and interlock them together by aligning the lugs and slots and pushing the halves together until they click into place.



Attaching the hard catcher

1. Lift the discharge guard (13) in order to position the catcher.

Note. DO NOT Ever start the mower if the rear flap does not fully return to the close position if the catcher is not fitted.

2. After lifting the discharge guard, align the 2 holes (which are visible by looking at the catcher on the inside just where the 2 halves are connected together) on the left and right with the hooks which are located on the outer sides of the discharge chute. Push the catcher over the hooks in a down-wards direction so that the holes sit securely over the hooks.

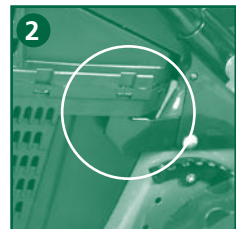


3. Release the discharge guard to secure the catcher in place.

Note. Always empty the catcher before it has reached maximum capacity, otherwise it will decrease the performance of the mower.

Tip. Do not leave clippings in the catcher for extended periods.

Note. If you are unsure of which cutting height to use, begin with a high setting and trial a small section of lawn, then check the appearance of the lawn. Then readjust if necessary.



Cutting height adjustment

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. There are 8 height settings.

1. To decrease the cutting height pull the height adjustment lever (6) out and move it up a notch, towards the handlebar.
2. To increase the cutting height pull the lever out and move it down a notch, towards the engine.
3. After adjustment, ensure the lever is fully located in the selected notch.



Adding and Checking the oil

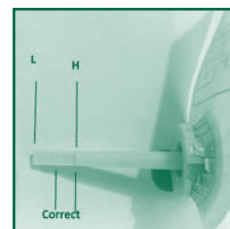
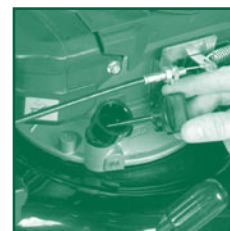
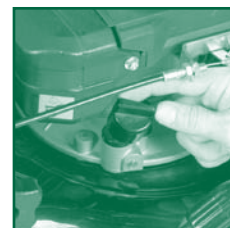
IMPORTANT: The motor of this mower is packed with NO OIL in the motor. Prior to starting the motor, Oil MUST be added to the sump of the motor.

Failure to add sufficient oil will result in damage to the motor which is NOT covered under the warranty of the mower.

On a new mower, the motor needs to be filled with 400ml's of SAE 10W/30 engine oil.

Each time the mower is used, the oil level should be checked and if low, add sufficient oil to ensure the oil level is to the full mark on the dip stick.

1. Position the lawn mower on a flat and level surface. Clean the area directly around the oil filler cap.
2. Remove the oil filler cap by turning approx half a turn in a anti clockwise direction and lift the cap outwards. Note: the cap is not a threaded fit but a bayonet type fit. Clean the dip stick with a clean cloth, cleaning away any visual oil.
3. FOR A NEW MOWER, add 400ml of SAE 10W/30 engine oil.
4. For both a new mower and also a previously used mower, measure the amount of oil in the motor by replacing the oil cap / dip stick on top of the plastic oil fill surround. ie do not engage the bayonet.
5. Leave the oil cap on top of the oil fill surround for a few seconds and then remove and inspect the oil level on the bottom of the dip stick.



- The oil level should be on the upper area of the lower marked section of the dip stick. If the oil level is sufficient replace the oil cap by engaging the cap into the oil fill housing and lock by rotating in the oil cap in a clockwise direction.
- If the oil level is insufficient, ie the oil level is not on the marked section of the dip stick, add further oil in 50ml intervals and repeat steps 4, 5, 6, and 7 until the correct oil level is obtained.

Always ensure the oil cap is firmly locked in place before the motor is started.

Do not over fill with oil above the High level mark. Only use SAE 10W/30 engine oil.

Fuelling

IMPORTANT Fuel goes off after about 3-4 months. If you find your mower does not start, first change the fuel in the tank with newly purchased fuel and open the fuel bowl drain for approx 5 seconds to drain out any old fuel from the motor. To open the fuel drain, turn the drain screw in a anti clockwise direction for 2 turns. Fuel should drain from the bottom of the bowl. To re seal the drain, rotate the drain screw in a clockwise direction until firm and the discharge stops.

WARNING Do not refill fuel tank while engine is running or is hot.

- Be careful not to admit dust, dirt, water or other foreign objects into the fuel.
- Wipe off spilt fuel thoroughly before starting engine.
- Ensure you **DO NOT** fuel the lawn mower in close proximity to any open flames, lit cigarettes, or hot objects.

Note. Do not use ethanol fuel. Use fresh 91 Octane unleaded petrol.

- Unscrew the fuel tank cap (7) and pour unleaded petrol into the tank with the aid of a funnel.
- Fill the tank to approximately 2.5 cm below the lowest portion of the neck to allow for fuel expansion. Be careful not to over fill.
- Be careful not to spill any petrol, if this happens, wipe the spill with a clean rag.
- Start the engine at least 3 metres away from the area where the fuel tank has been filled in order to avoid the risk of fire.



WARNING. Never attempt to refuel the engine while it is running or still warm, allow it to cool before fuelling.

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. Press the area of the switch marked "I" for the ON position.
2. Depress the priming bulb (17) fully 2-3 times.
3. Pull the recoil starter (9) 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 pre set at the factory and will automatically maintain the motor speed during operation.

There is NO speed adjustment.

Stopping the engine

To Stop the lawn mower motor, press the area of the switch marked "O" fully.

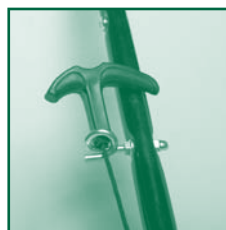
EMERGENCY STOPPING

In the event the ON /Off switch does not stop the motor, the following processes will assist.

NEVER move the mower, or attempt to move the mower if the controls DO NOT turn off the motor. DO NOT attempt to lift or tip the mower on its side.

In the event the OFF switch does not turn off the motor, press the primer bulb fully 4 or 5 times quickly. The motor should stop.

If this fails to stop the motor, remove the spark plug cap from the spark plug.



IMPORTANT if the spark plug method is used it is recommended to wear a rubber glove when grasping the spark plug cap.

Persons with heart conditions or any medical condition which can be effected by electric shock should not attempt this method.

When the motor has stopped, the fuel should be drained from the tank, spark plug cap removed (if not already removed), and the mower must NOT be restarted until the problem has been fixed by a Authorised service centre person.

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.

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 ie 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.

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

Continue to pull the recoiler starter and after a number of pulls the engine will start.

Mowing advice

1. 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. Grass also should not be cut if the grass is wet.
2. Before mowing always check and clear the grassed area for all foreign objects, especially solid ones semi concealed in the ground such as rocks, stumps and garden stakes.
3. 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.

Engine starting check list

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4. 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 handle bar at all times, always walk, never run with the mower.
5. For healthy growth, grass should not be cut too short. The grass will remain healthier, greener and require less watering.
6. Vary your cutting pattern from week to week, this will help to prevent matting and graining of the grass.

Engine starting check list

Check the oil level

Check the oil level in the motor EVERY time the mower is to be used. Refer to page 17 for checking oil level .

Fuel check

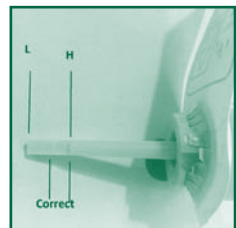
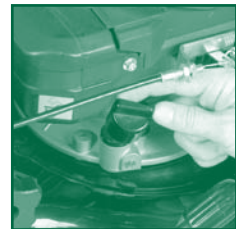
As fuel can go off relatively quickly, make sure you are using fresh unleaded fuel and don't overfill the tank. If fuel has been in the tank for more than 2-3 months, replace the fuel with fresh fuel.

It is also recommended to drain the fuel from the motor as described on page 17

Note: Do not use ethanol fuel. Use fresh unleaded 91 Octane.

Spark plug

Check the spark plug cable is firmly fitted to the top of the spark plug. Refer to Page 25 for removal of spark plug.



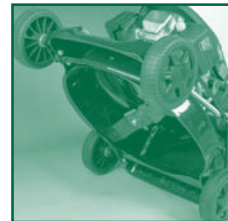
Air filter

Check that the air filter is clean and dry. Filters thick with debris will not allow the engine to breathe and result in difficult starting and poor engine performance. Refer Page 24.



Engine tipping

When cleaning, or performing any maintenance such as replacing the blades, it is very important that the mower is only tipped backwards. Failing to do so will result in the engine oil flowing into the cylinder and muffler making starting very difficult if at all. Should this occur, the mower should be taken to a mower repair shop which is not covered under warranty.



Poor engine performance

Should the engine idle or run rough at full speed with excessive bluey/black smoke emanating from the muffler, it is possible that either the engine was slightly tipped incorrectly (refer above). If the mower had previously been tipped, allow the motor to run for a few minutes and the excess oil will burn out.

If the engine is not running at full speed, check the fuel is fresh, check the oil level, and also inspect under the deck to ensure there is no build up of grass. Check the spark plug.

If the mower continues to under perform, take the mower to your nearest service centre.

Catcher

CAUTION. Before making any adjustment or maintenance procedures to the mower ensure it is turned off and the spark plug lead is removed.

To remove the catcher, raise the guard while lifting the catcher to dislodge the holes from the hooks.

WARNING. Check the catcher frequently for wear and replace it if damaged.

Replacing the blade

Note. Before making any adjustment or maintenance procedures to the mower ensure it is turned off and the spark plug lead is removed.

Note. Wear heavy gloves to protect your hands.

1. Tilt the mower back so the spark plug is facing up and disconnect the spark, by pulling spark plug cover off.
2. Holding the blade with gloves on, use a spanner to undo the blade bolt.
3. Remove the blade, be careful not to slide the blade adaptor off and dislodge the key on the shaft.
4. Clean dirt and grass from around the blade mounting area.
5. Replace the blade, hold on the adaptor whilst tightening the blade bolt.



IMPORTANT. Ensure the two drive lugs on the adaptor are engaged in the two holes in the blade.

6. Tighten the blade bolt tightly (50-59Nm).

NOTE. If your blades becomes worn, replacements are available for purchase. Please refer to page 27 for further detail.

Oil change

IMPORTANT. Drain the oil while the engine is still warm to ensure rapid and complete draining.

1. Remove the oil drain plug using a spanner and rotating in an anti-clockwise direction.
2. Slightly tilt the mower to the side so the drain port is the lowest point.
3. When the oil has drained, place the mower back on a flat surface and replace the oil plug by a couple of turns.
4. Add a small quantity of oil and then drain this oil through the drain port by removing the drain plug and tilting the mower as above.
5. When fully drained, place the mower on a flat and level surface and replace the drain plug and tighten firmly.
6. Wipe up any spilt oil.
7. Add 400ml of SAE 10W/30 oil through the top oil fill. Clean up any spilt oil.
8. Check the dipstick level and ensure the oil level is correct.



Note. Please dispose of used motor oil in a manner that is compatible with the environment. We suggest you take it in a sealed container to your local service station for reclamation. Do not throw it in the trash or pour it into the earth.

Air cleaner service

IMPORTANT. A dirty air cleaner will restrict air flow to the carburettor. To prevent carburettor malfunction, service the air cleaner regularly. Check that the air filter is clean and dry of dirt. Filters thick with debris will not allow the engine to breathe and result in difficult starting and poor engine performance.

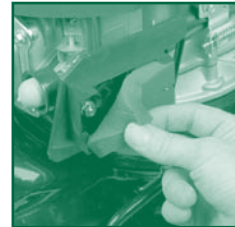
1. Remove the air filter by releasing the clips on the left and right hand side of the cover. Be careful to avoid dust and debris falling into the bottom of the air cleaner.
2. Remove the foam element.
3. Check, clean or replace the damaged air cleaner parts.



4. Install all parts back and put the air filter cover back on ensuring the clips are securely in place.

CAUTION. Never use fuel or low burning paint solvents to clean the air cleaner element. A fire or explosion could result.

CAUTION. Clean the foam element in a solution of household detergent and warm water. Ensure the foam filter is dry before re fitting. A few drops of light machine oil can be squeezed through the foam filter prior to fitting.



Spark plug

To ensure the engine is operating correctly, the spark plug must be properly gapped and free of carbon deposits. Always check the spark plug cable is firmly fitted to the top of the spark plug.

CAUTION. If the engine has been running, the muffler will be very hot. Be careful not to touch the muffler.

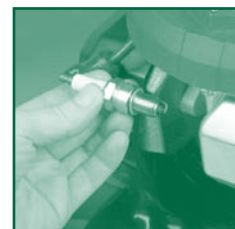
1. Remove the spark plug cap with a suitable wrench, and clean any deposits.
2. Visually inspect the spark plug. Discard the spark plug if there is apparent wear, or if the insulator is cracked or chipped.
3. Check that the end of the spark plug is not blackened by carbon build up. Clean with a soft wire brush if necessary.
4. Measure the plug gap with a feeler gauge. Correct as necessary by bending the side electrode. The gap should be 0.7 - 0.8mm.
5. Thread the spark plug in by hand to prevent cross-threading.
6. Once the spark plug is seated, tighten with a spark plug wrench to compress the washer.

Note. When installing a new spark plug, tighten 1/2 turn after the spark plug seats to compress the washer.

Note. When reinstalling a used spark plug, tighten 1/8-1/4 turn after the spark plug seats to compress the washer.

CAUTION. The spark plug must be securely tightened. An improperly tightened spark plug can become very hot and may damage the engine.

NOTE. If your spark plug becomes worn, replacements are available for purchase. Please refer to page 27 for further detail.



Storage

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Transporting

CAUTION. If the engine must be tipped to transport equipment or to inspect or remove grass, keep the spark plug upwards.

Transporting or tipping the engine spark plug down may cause:

- Smoking
- Difficulty starting
- Spark plug fouling
- Oil saturation of the air filter

Ensure the storage area is free from excessive humidity and dust.

Drain the fuel tank and carburettor.

WARNING. Fuel is extremely flammable and explosive under certain conditions. Do not smoke or allow flames or sparks in the area.

Note. Be aware to not hit or cut the fuel tank while you are transporting.

Storage

- When you finish working, clean the engine completely, making sure there is no grass or dirt on the engine.
- Store the engine away from direct sunlight.
- At the end of the season, give the engine an overall cleaning and a thorough check.
- Whenever the machine is not used for a long period of time, proceed as follows:
- Empty the fuel tank completely.
- Empty the Carburettor bowl of all fuel.
- Protect all metal engine parts from corrosion by coating them with oil.
- Remove the spark plug, put a few drops of oil into the cylinder and then pull the recoil starter 2 to 3 times in order to distribute the oil evenly. Replace the spark plug. This closes the valves, and protects them from dust and corrosion. Coat areas that may rust with a light film of oil. Cover the engine and store it on a level surface in a dry, dust free area.

Service Support

If you have any issues with the operation of your product, please take it with a copy of your receipt to one of our National Service Agents for repair. A listing of our Service Agents is included with your product, however, you can also find our most updated listing by visiting powertoolsupport.com, and clicking on the Service Agent link.

Accessories

Should you find the following accessories are worn or past their user life, replacements can be purchased online via our website www.extrabattery.com

- Replacement Blades (43668-BL)
- Replacement Spark Plug (Torch LG6RTC)

If you have any queries regarding these accessories, please call us on our Customer Support Line - 1800 909 909.



AFTER SALES SUPPORT



 **1800 909 909**  www.powertoolsupport.com

MODEL: 43668 PRODUCT CODE: 43668 10/2014

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YEAR WARRANTY