

# 909

## User Manual



**50620**  
**139CC 4 STROKE**  
**PETROL**  
**LAWN MOWER**

**[www.909.com](http://www.909.com)**

Read all safety warnings and all instructions thoroughly before operating this product.

# Contents

<b>Pack contents /parts</b>	<b>2</b>
<b>Description of Symbols</b>	<b>3</b>
<b>General safety instructions</b>	<b>4</b>
<b>Safety rules for Petrol Lawn Mowers</b>	<b>6</b>
<b>Parts List</b>	<b>12</b>
<b>Assembly / Attaching the Handles</b>	<b>14</b>
<b>Assembly of the 45L Hard Catcher</b>	<b>15</b>
<b>Attaching the 45L Hard Catcher</b>	<b>16</b>
<b>Cutting Height Adjustment</b>	<b>17</b>
<b>Adding and Checking the oil</b>	<b>18</b>
<b>Fuelling</b>	<b>19</b>
<b>Starting the Engine</b>	<b>20</b>
<b>Speed Control</b>	<b>20</b>
<b>Stopping the engine</b>	<b>20</b>
<b>Emergency Stopping</b>	<b>21</b>
<b>Important Primer bulb information</b>	<b>21</b>
<b>Mowing Advice</b>	<b>22</b>
<b>Engine tipping</b>	<b>23</b>
<b>Poor engine performance</b>	<b>23</b>
<b>Maintenance</b>	<b>24</b>
<b>Replacing the Blades</b>	<b>24</b>
<b>Oil change</b>	<b>25</b>
<b>Air Cleaner Maintenance</b>	<b>26</b>
<b>Spark plug Maintenance</b>	<b>27</b>
<b>Transporting and Storage</b>	<b>28</b>
<b>Service Support</b>	<b>29</b>
<b>Accessories</b>	<b>29</b>
<b>Warranty</b>	<b>30</b>
<b>Environmental protection</b>	<b>30</b>
<b>What your 3 year warranty means</b>	<b>30</b>
<b>Troubleshooting</b>	<b>32</b>
<b>Recycling</b>	<b>33</b>
<b>Specifications</b>	<b>33</b>

## Pack contents / parts

Congratulations on the purchase of your 909 139cc 4 Stroke Petrol Lawn Mower. When you open your packaging, first remove all items and check there are no parts damaged or missing. If you find anything wrong, do not operate the product until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

### Intended use of the 139cc Petrol Lawn Mower

**NOTE:** This product is for private domestic DIY use only.

It is not suitable for commercial, industrial or trade use.

This product is suitable for private home use i.e for use in home and gardening environments, for the application of mowing.

### IMPORTANT INFORMATION.

**NOTE:** This is a 4 stroke Lawn Mower.

The motor **MUST** be filled with 600ml of SAE 10W/30

**BEFORE** starting. Fresh unleaded fuel must be used in this unit.

Do **NOT** use Ethanol based fuels. Do **NOT** mix oil with fuel.

**NOTE:** First time users or inexperienced operators pay particular attention to the operation of the Lawn Mower, including details of starting and stopping and correct use of the Lawn Mower on pages 18-22.

### Contents of carton

1 x 139cc Lawn Mower	1 x Instruction Manual
1 x Spark Plug Spanner	1 x Quick Start Guide
1 x 45L Hard Catcher	1 x Service Listing
1 x Cable Clip	

## 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 electrical safety and 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.



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.



Before carrying out any operation stop the engine and disconnect the spark plug.



Risk of hand and feet injuries.



Noise label rating 69dbBA (taken at 7.5 metres). You must wear ear protection at all times.

# General safety warnings

## 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, garden power tool, battery-operated (cordless) power tool or your petrol operated garden tool.

## Save these instructions

### Work area

- Ensure the area to be mowed is clear and free of debris, rocks, gravel, garden furniture etc.
- 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.
- Ensure all animals, children and bystanders are at least 15m away while operating this lawn mower. 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.

## 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 safety warnings

## 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 in the mowing area.
  - 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.
- Know your controls. Read the owners manual carefully. Learn how to stop the mower in an emergency.
- 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.
- Replace all fuel tanks and containers caps securely.
- 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.
- Damaged blades and worn bolts are major Hazards.
- Check all nuts, bolts and screws often. Always be sure the mower is in a safe operating condition. Use only replacement parts and guaranteed by the original manufacturer of your mower.
- 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.
- Do not over-speed the engine or alter the Governor setting. Excessive speed is dangerous and shortens the life of 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, supplied by the manufacturer 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.
- 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 even for a moment.
  - 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.
- 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.
- Store the mower in a well ventilated room away from naked flames such as may be found in hot water heaters.
- 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.
- Replace worn or faulty silencers.
- 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 fresh unleaded fuel. Do not use ethanol based fuels.

## 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 blades are 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.
  - 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.

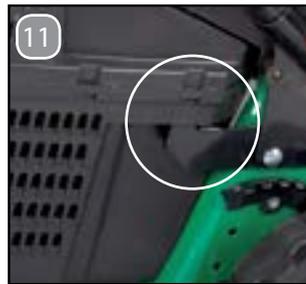
- Store fuel in a cool place in a container specifically designed for the purpose. In general, plastic containers are unsuitable.
- Fill the fuel tank with a funnel and outside. Do not smoke or use a mobile phone during this process.
- Fill with fuel and oil before starting the engine. Never open the 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 fuel can cap tightly.

## **Additional Safety Warnings for Petrol Lawn Mowers**

- Never allow young children to operate power tools or equipment.
- Make sure children and pets stay indoors while you're working.
- Before starting up the lawn mower, walk the area. Relocate toys, hoses, rocks and sticks. Debris such as stones, wood chips and pieces of aged blades can be propelled at high speeds, which can cause a fatal accident.
- Check lawn mower blades regularly. Look for damage, bends and dullness. Blades should be replaced every year or two, depending on usage.
- Slow down and take care when mowing around corners, trees, shrubbery or other obstacles.
- Leave the mower deflector chute in the manufacturer-set position.
- Don't modify equipment – it may affect your warranty as well as make the product unsafe.
- When operating any power tools or equipment (no matter the size), wear closed-toe, slip-resistant shoes, safety glasses, strong gloves, a hat and ear protection. Cover your skin as much as possible.
- Never underestimate the power of handheld equipment, especially chainsaws. Use the same amount of caution as you do for larger equipment.
- Wait until the equipment has cooled completely before filling with fuel or attempting any repair or maintenance.

**Parts List**

1. Upper handle bar and handles
2. On/Off switch
3. On/Off switch Cable
4. Cable Clip
5. Upper handle locking knob/s (x 2)
6. Lower handles
7. 45L hard catcher
8. Lower handle locking knob/s (x 2)
9. Lower handle mounting plate/s (x2)
10. Rear discharge guard
11. Catcher attachment bracket/s (x2)
12. 8 Height adjustment Lever
13. Rear wheel/s (x2)
14. Fuel tank
15. Fuel tank cap
16. Recoil starter
17. Oil filler cap/dipstick
18. Oil drain plug
19. Motor
20. Air filter
21. Air filter cover
22. Priming bulb
23. Fuel bowl drain screw
24. Spark plug cover / Spark Plug
25. Front wheel/s (x2)
26. Bar blade
27. Blade bolt
28. Spark plug spanner



## 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 0.6L of SAE 10W/30 engine oil to the Engine.

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

It is necessary to fit the lower handles (6), upper handle bar and handles (1), and 45L hard catcher (7) to the mower.

## Attaching the Handles

1. To attach the lower handles (6), first remove the two lower handle locking knobs (8). Place the lower handle in position by aligning the 2 lower handle ends on the inner side of the lower handle mounting plates (9) located at the back of the mower deck. (Fig A)

2. Once in position, insert the bolt on each side through the lower handle (6) and then through the lower handle mounting plate (9).

Orientate the bolt so the head sits correctly in the depression in the handle tube. (Fig B)

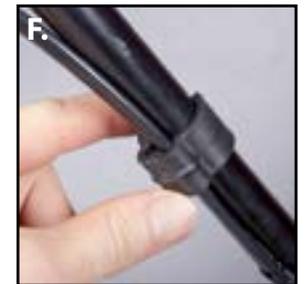
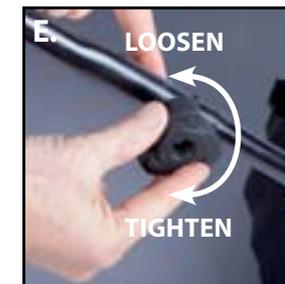
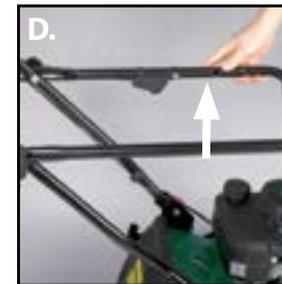
3. Once the bolts are loosely in position, fit the plastic curved washer over the end of the bolt. Then screw the lower handle bar locking knob (8) over the plastic curved washer and secure by turning clockwise until tight and secure. (Fig C)



4. After securing the lower handles in to position, extend the upper handle bar into the upright position, (Fig D) and then simply secure the upper handle locking knobs (5) that are already loosely in position. (Fig E)

5. Check the on/off switch cable (3) is correctly routed and secured with the supplied cable clip (4). (Fig F)

 **WARNING.** When opening up the upper handle bar take care NOT to pinch the switch cable in the hinging of the handle bars and ensure the cable is not trapped within the bars being clamped.



## Assembly of the 45L Hard Catcher

 **WARNING.** Ensure the motor is off and not operating when undertaking this task.

1. The 45L hard catcher (7) 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. (Fig G)



## Attaching the 45L Hard Catcher

**WARNING:** Ensure the motor is off and not operating when undertaking this task.

1. Lift the rear discharge guard (10) in order to position the catcher. (Fig H)

**NOTE:** DO NOT ever start the mower if the rear discharge guard (10) does not fully return to the close position if the catcher is not fitted.

2. Align the square locating holes of the hard catcher (7), 1 on the right and 1 on the left of the catcher, with the catcher attachment brackets (11) extending out from each side at the rear of the mower, directly under the handle assembly point.

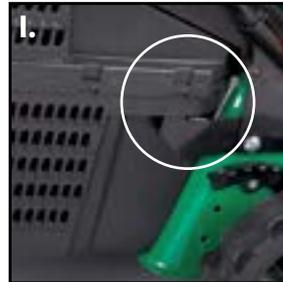
Push the 45L hard catcher (7) downward so the catcher attachment brackets (11) protrude through the square holes of the catcher. (Fig I)

3. Release the rear discharge guard (10) to secure the catcher in place. (Fig J)

**NOTE:** Always empty the 45L hard catcher (7) 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.

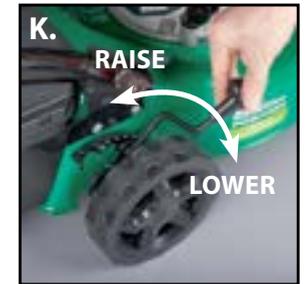


## Cutting Height Adjustment

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

This mower has one lever to easily adjust the cutting height. There are 8 height settings, from 25-70mm.

1. Stop the engine of the lawn mower before making a height adjustment. To increase the cutting height pull the 8 height adjustment lever (12) out and move it up a notch, towards the handlebar. (Fig K)
2. To decrease the cutting height pull the 8 height adjustment lever (12) out and move it down a notch, towards the engine. (Fig K)
3. After adjustment, ensure the lever is fully located in the selected notch.



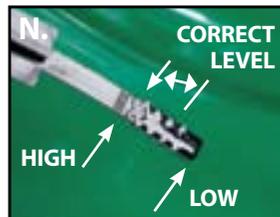
## Adding and Checking the oil

**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 600ml 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 oil dipstick (17).

1. Position the lawn mower on a flat and level surface. Clean the area directly around the oil filler cap (17).
2. Remove the oil filler cap (17) by unscrewing it in an anti-clockwise direction approximately 4 turns, and lift the cap outwards (Fig L). Clean the oil dipstick (17) with a clean cloth, cleaning away any visual oil. **NOTE:** The cap is a full threaded fit.
3. FOR A NEW MOWER, add 600ml of SAE 10W/30 engine oil. Before replacing the dip stick / filler cap, allow a minute or so to allow the oil in the filler tube to fully drain of oil.
4. For both a new mower and also a previously used mower, measure the amount of oil in the motor by re-inserting the oil dipstick back on top of the filler tube, BUT DO NOT screw the cap in place.
5. After a few seconds, remove and inspect the oil level on the bottom of the oil dipstick (17). (Fig M)
6. The oil level should be between the low and maximum marked section of the oil dipstick (17) (Fig N). If the oil level is sufficient replace the oil cap by inserting and screwing back in the oil filler tube in a clockwise direction until firm.
7. If the oil level is insufficient, ie the oil level is not on the marked section of the oil dipstick (17), 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 filler cap (17) is firmly locked in place before the motor is started. Do not over fill with oil above the maximum mark. Only use SAE 10W/30 engine oil.



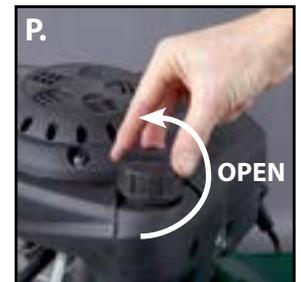
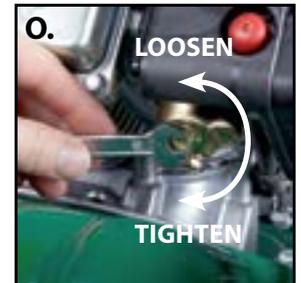
## Fuelling

**WARNING:** Do not refill fuel tank while engine is running or is hot. Ensure the motor is switched off before undertaking this task.

**IMPORTANT:** Fuel goes off after about 3-4 months. If you find your mower does not start, first change the fuel in the fuel tank (14) with newly purchased fuel and open the fuel bowl drain (23) for approximately 5 seconds to drain out any old fuel from the motor.

1. To open the fuel drain screw (23), turn the drain screw in an anti clockwise and remove the screw (Fig O). Fuel should drain from the bottom of the bowl.
  2. To re seal the fuel drain screw (23), replace the screw and rotate the drain screw in a clockwise direction until firm and the discharge stops.
- 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 put fuel in the lawn mower in close proximity to any open flames, lit cigarettes, or hot objects.
- NOTE:** Do not use ethanol based fuel. Use fresh unleaded fuel.
1. Unscrew the fuel tank cap (15) in an anti-clockwise direction, and pour fresh unleaded fuel into the fuel tank (14) with the aid of a funnel. (Fig P)
  2. 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.
  3. Be careful not to spill any petrol. If this happens, wipe the spill with a clean rag.
  4. Start the engine at least 3 metres away from the area where the fuel tank (14) 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

Take note of the following warnings before starting your lawn mower:

- Never allow young children to operate power tools or equipment.
- Make sure children and pets stay indoors while you're working.
- Before starting up the lawn mower, walk the area. Relocate toys, hoses, rocks and sticks. Debris such as stones, wood chips and pieces of aged blades can be propelled at high speeds, which can cause a fatal accident.
- Slow down and take care when mowing around corners, trees, shrubbery or other obstacles.
- Wear closed-toe, slip-resistant shoes, safety glasses, strong gloves, a hat and ear protection. Cover your skin as much as possible.

**NOTE:** Before starting the lawn 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 blade is not resting deep into the grass.

1. Press the area of the on/off switch (2) marked "I" for the ON position. (Fig Q)
2. Depress the priming bulb (22) fully 2-3 times. (Fig R)
3. Pull the recoil starter (16) lightly until you feel resistance then pull quickly until the engine starts. (Fig S)

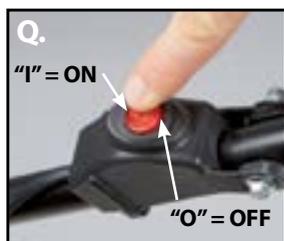
Do not pull the cord with a jerk or release it until fully rewound.

## 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 engine, press the area of the on/off switch (2) marked "O" fully. (Fig Q)



## EMERGENCY STOPPING

In the event the on/off switch (2) does not stop the engine, 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 (2) does not turn off the motor, press the primer bulb fully 4 or 5 times quickly. The engine should stop.

If this fails to stop the engine, remove the spark plug cap from the spark plug (24).

**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 affected by electric shock should not attempt this method.

**NOTE:** If the above methods do not stop the mower, let the mower to continue to run until the tank runs out of petrol. DO NOT leave the mower unattended if the run down method is used.

When the motor has stopped, the fuel should be drained from the fuel tank (14), spark plug cap (24) removed (if not already removed), and the mower must NOT be restarted until the problem has been fixed by an Authorised Service Agent.

## Important Primer bulb information.

The priming bulb (22) 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 priming bulb (22) 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 priming bulb (22) once.

DO NOT EXCEED 2 pumps.

To restart a hot engine, you will not need to pump the priming bulb (22) at all.

**NOTE:** If you over pump the engine, it will not start.

DO NOT re-pump the engine priming bulb (22).

Continue to pull the recoil starter (16) and after a number of pulls the engine will start.

## Mowing Advice

1. The speed of the motor is governed to a factory pre-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.
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.
7. Be aware of any local or national restrictions when using this appliance. This could include, but not restricted to, times of operation, location of operation, or work place operation.

## Engine tipping

When cleaning, or performing any maintenance such as replacing the blades, it is very important that the mower is only tipped backwards (Fig T). 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. 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, STOP the mower, 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 (24).

If the mower continues to under perform, take the mower to your nearest authorised Service Agent.

## Maintenance

### Replacing the Blades

**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.

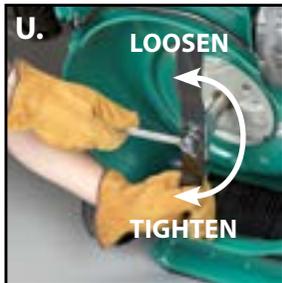
1. Tilt the mower back (Fig T) so the spark plug (24) is facing up, and disconnect the spark, by pulling spark plug cover (24) off.
2. Whilst securely holding the bar blade (26) with gloves on, use a 17mm spanner (not supplied) to undo the blade bolt (27). (Fig U)
3. Remove the bar blade (26), and be careful not to slide the blade adaptor off and dislodge the key on the shaft. (Fig V)
4. Clean dirt and grass from around the blade mounting area.
5. Replace the bar blade (26), ensuring you hold onto 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. (Fig W)

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

Check lawn mower blades regularly. Look for damage, bends and dullness. Blades should be replaced every year or two depending on usage, or when they become worn and no longer cut the grass cleanly.

The performance of grass catching can also reduce if the blade become worn. Replacement blades are available for purchase from [www.extrabattery.com.au](http://www.extrabattery.com.au) or by calling 1800 909 909.



### Oil change



**WARNING:** Ensure the motor is switched off before undertaking this task.

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

1. Raise the height of the mower to the FULL height position. Tilt the mower back (Fig U), so that the oil drain plug (18) can be accessed, then remove the oil drain plug (18) using a 12mm spanner (not supplied) and rotating in an anti clock wise direction. (Fig X/Y)
2. With a bowl or tray under the mower, place the mower back onto the 4 wheels. The oil will drain freely in this position. NOTE: Check the bowl or tray is collecting the draining oil.
3. When the oil has drained, replace the oil drain plug (18) screw by a couple of turns. (Fig Y)
4. Add a small quantity of oil to the motor by removing the oil filler cap (17) and adding oil down the oil filler tube, and then drain this oil through the drain port by removing the oil drain plug (18) screw, as above, and tilting the mower as per above.
5. When fully drained, tilt the mower back and replace the oil drain plug (18) screw (ensure the screw is fitted with the aluminium washer), and tighten firmly with a 12mm spanner (not supplied). Remove the tray of container of drained oil and mower can then be placed back on a flat and level surface.
6. Wipe up any spilt oil.
7. Add 600ml of SAE 10W/30 oil through the top oil filler cap / dipstick (17). Clean up any spilt oil.

**NOTE:** Always check the oil drain plug (18) is not leaking after oil has been added, and then again after the mower has been used the next time.

8. Check the dipstick (17) level and ensure the oil level is correct. (Fig N)

**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 Filter Maintenance

**WARNING:** Ensure the motor is switched off before undertaking this task.

**IMPORTANT:** A dirty air filter (20) will restrict air flow to the carburettor.

To prevent carburettor malfunction, service the air filter (20) regularly.

Check that the air filter (20) 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.

The air filter (20) should be checked after approximately 25 hours of use, or annually.

1. Open the air filter cover (21) by pushing in the front tab to release the clip, and then pushing the cover back and away to release the 2 back clips and the full air filter cover (Fig Z).
2. Remove the foam element (Fig AA).
3. If the air filter (20) is excessively dirty, replace with a new filter.
4. Wash the air filter (20) in liquid detergent and water. Then allow it to thoroughly air dry. Do not oil the air filter (20).
5. Re-install the air filter (20) and put the air filter cover (21) back on ensuring the clips are securely in place.

**CAUTION:** Never use fuel or low burning paint solvents to clean the air filter (20). A fire or explosion could result.

**CAUTION:** Ensure the air filter (20) is dry before re fitting.

Replacement air filters are available from [www.extrabattery.com.au](http://www.extrabattery.com.au) or by calling Customer Service on 1800 909 909.



## Spark Plug Maintenance

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.

**WARNING:** Ensure the motor is switched off before undertaking this task.

1. Remove the spark plug cap, then remove the spark plug using the supplied spark plug spanner (28) in an anti-clockwise direction, and clean any deposits.
2. Visually inspect the spark plug (24). 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 (24) 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 (24) in by hand to prevent cross-threading.
6. Once the spark plug (24) is seated, tighten with the supplied spark plug spanner (28) to compress the washer.

**NOTE:** When installing a new spark plug, tighten 1/2 turn after the spark plug (24) seats to compress the washer.

**NOTE:** When reinstalling a used spark plug, tighten 1/8-1/4 turn after the spark plug (24) seats to compress the washer.

**CAUTION.** The spark plug (24) must be securely tightened. An improperly tightened spark plug (24) can become very hot and may damage the engine.

The spark plug (24) should be changed after approximately 25 hours of use, or annually. Replacement spark plugs are available from purchase from lawn mower or small engine repair shops.

## Transporting and Storage

### Transporting

**CAUTION:** If the engine must be tipped to transport equipment or to inspect or remove grass, keep the spark plug (24) 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 (14) and carburettor.

It is recommended to remove the spark plug cap during transportation and storage



**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 (14) 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 (14) completely.
  - Empty the Carburettor bowl of all fuel.
  - Protect all metal engine parts from corrosion by coating them with oil.
  - Remove the spark plug (24), put a few drops of oil into the cylinder and then pull the recoil starter (16) 2 to 3 times in order to distribute the oil evenly. Replace the spark plug (24). This closes the valves, and protects them from dust and corrosion.

- If storing the lawn mower back inside the box during non-use, loosen the upper handle locking knobs (5) so the upper handles can be folded, as well loosening and removing the lower handle knobs (8) so the lower handles can be removed from the lower handle mounting plates (9). Put the lower handle lock knobs (8) back on the lower handles so they are not lost during storage.
- 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. You can find our most updated listing by visiting [909.com](http://909.com), and clicking on the Service Agent link.

### Accessories and After Sales parts

Should you find the following accessories are worn or past their user life, replacements can be purchased online via our website [www.extrabattery.com.au](http://www.extrabattery.com.au)



#### 1. Replacement Blade (50620-BL)

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

## 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.

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.

This page is blank

## Troubleshooting

Problem	Possible Cause	Solution
Engine does not start.	Fuel tank (14) is empty. Oil tank is empty. Spark plug (24). Blade hitting the grass to be cut. Old fuel in tank or bowl. On/Off Switch (2) not turned on.	Check the fuel tank (14), and refuel if required. Check the level of the oil dipstick (17), and if low or empty, add oil. Clean or replace if dirty or worn. Increase the cutting height of the mower so the blades do not make contact with the grass on start up. FULLY drain the fuel from the fuel tank (14) via the drain in the bowl of the carburettor. Even if there is no fuel in the fuel tank (14), drain all old fuel out of the bowl. Refer page 25. Check the On/Off switch (2) has the "I" depressed.
Cutting / Engine performance decreases.	Cutting height. Bar blade (26) is dull or blunt. 45L hard catcher (7) is full .	Increase the cutting height using the 8 height adjustment lever (12). Replace the blade (26) with new / sharp blade. <b>NOTE:</b> Always ensure the engine is turned off before undertaking this task. Empty 45L hard catcher (7).
45L hard catcher is not filling up to optimum level.	Cutting height too low. Grass is wet. Bar blade (26) is dull or blunt.	Increase the cutting height using the 8 height adjustment lever (12). Allow the grass to dry before mowing. Sharpen or replace bar blade (26).
Engine will not stop.	On/Off switch (2) not turned Off.	Depress the "O" on the On/ Off switch (2). Remove spark plug cap. Allow motor to continue to run until fuel all used. Do NOT leave the mower unattended.

For all other issues, please contact Customer Service on 1800 909 909 or email [info@909.com](mailto:info@909.com)

## Recycling

### 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.

## Specifications

Engine: 139cc, Four Stroke

Engine Capacity: 139cc

Bore: 65 mm

Stroke: 42 mm

Speed: 2900 RPM/min <sup>-1</sup>

Fuel Type: Unleaded petrol

Oil Type: 4 Stroke Motor Oil SAE 10W/30

Fuel Tank Capacity: 1.2L/1200ml

Oil Tank Capacity: 600ml

Width of cut: 40cm/400mm/(16")

Blades: Bar Blade

Height adjustment: 8 Levels, 25 – 70mm

Spark Plug Type: Torch F6RTC

Equivalent Replacement

Spark Plugs: NGK BPR6ES, Champion RN11YC

Catcher Capacity: 45 Litres

Weight (GW): 27.6 kg

Noise label rating: 69dBA (taken at 7.5 metres)

You must wear ear protection at all times.

Product Dimensions: 123cm x 51cm x 102cm +/- tolerances (L x W x H)

This product complies with: Safety Report AS 2657:1985

EMC EN ISO 14982:2009

**909**