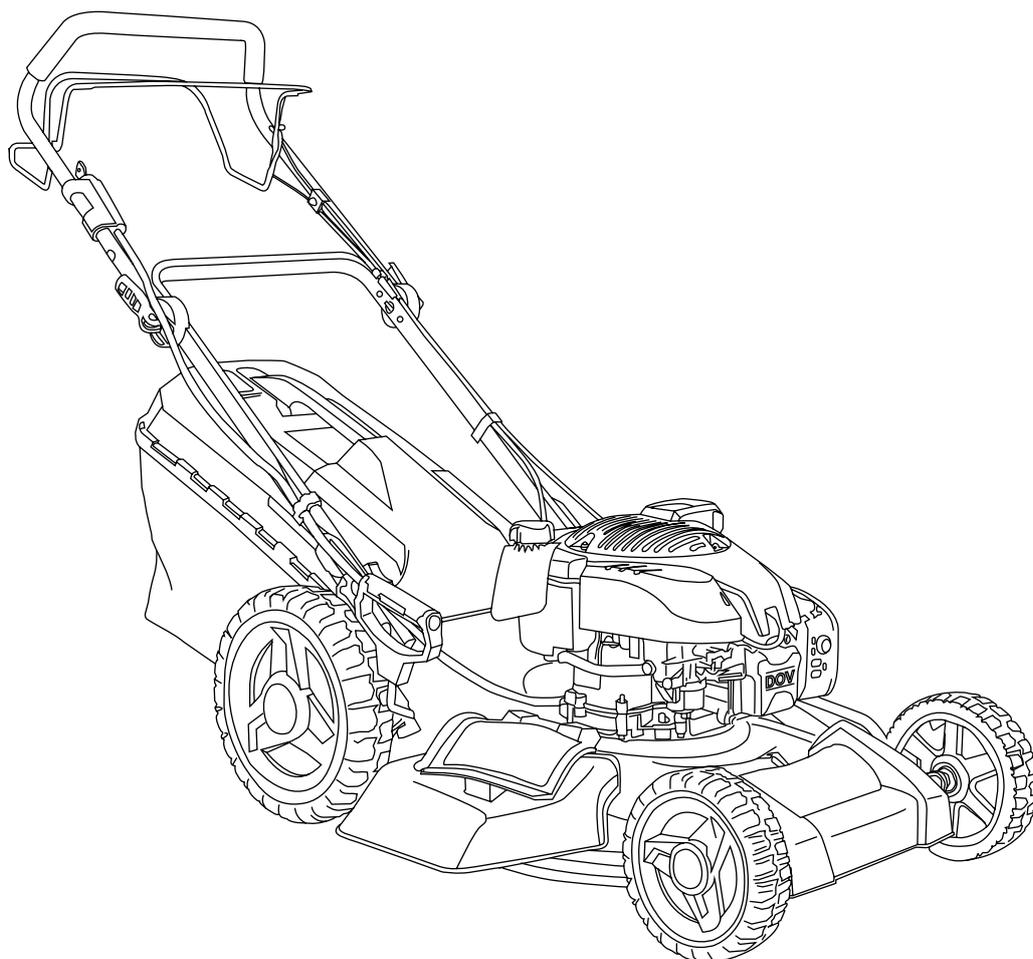


Qualcast 53cm Key Start Self Propelled Petrol Lawnmower

Assembly Manual

XSZ53C-SD-E



Scan to watch
our instruction
videos!

QUALCAST

Important - Please read these instructions fully before starting assembly

These instructions contain important information that will help you get the best from your lawnmower, ensuring it is assembled correctly and safely.

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Safety Information

Important - Please read these instructions fully before starting assembly

Warning Symbols



The following warning symbols appear throughout this assembly manual and indicate the appropriate safety measures you should take when assembly and operating the lawnmower.

This symbol indicates there is a danger of serious personal injury or death if you do not observe the warning.



This symbol indicates that there is a danger of damaging your hands if you do not wear thick, hard wearing gloves.

General Safety



WARNING!

- Keep this assembly manual in a safe place following assembly for reference at a later date.
- Always ensure anyone intending to operate this lawnmower is fully conversant with the contents of this assembly manual prior to assembling, maintaining or operating the lawnmower.
- Perform assembly operations as described in this manual. Failure to observe this warning may lead to serious injury, death, or damage to the lawnmower.



- Always take care when removing the packaging to prevent damage to you or to the lawnmower.

IMPORTANT! Before assembling the lawnmower, check all the parts indicated in the manual are in the box. Inspect all the parts for signs of damage. Do not assemble the lawnmower if you observe any damaged components.



NOTE! This lawnmower complies with the Noise Emission Directive 2000/14/EC.

Personal Safety



WARNING!

- Only operate the lawnmower if you are wearing the correct Personal Protective Equipment (PPE) as described in the following warnings.
- Always wear suitable gloves when operating lawnmower to protect your hands from flying debris and/or sharp objects.

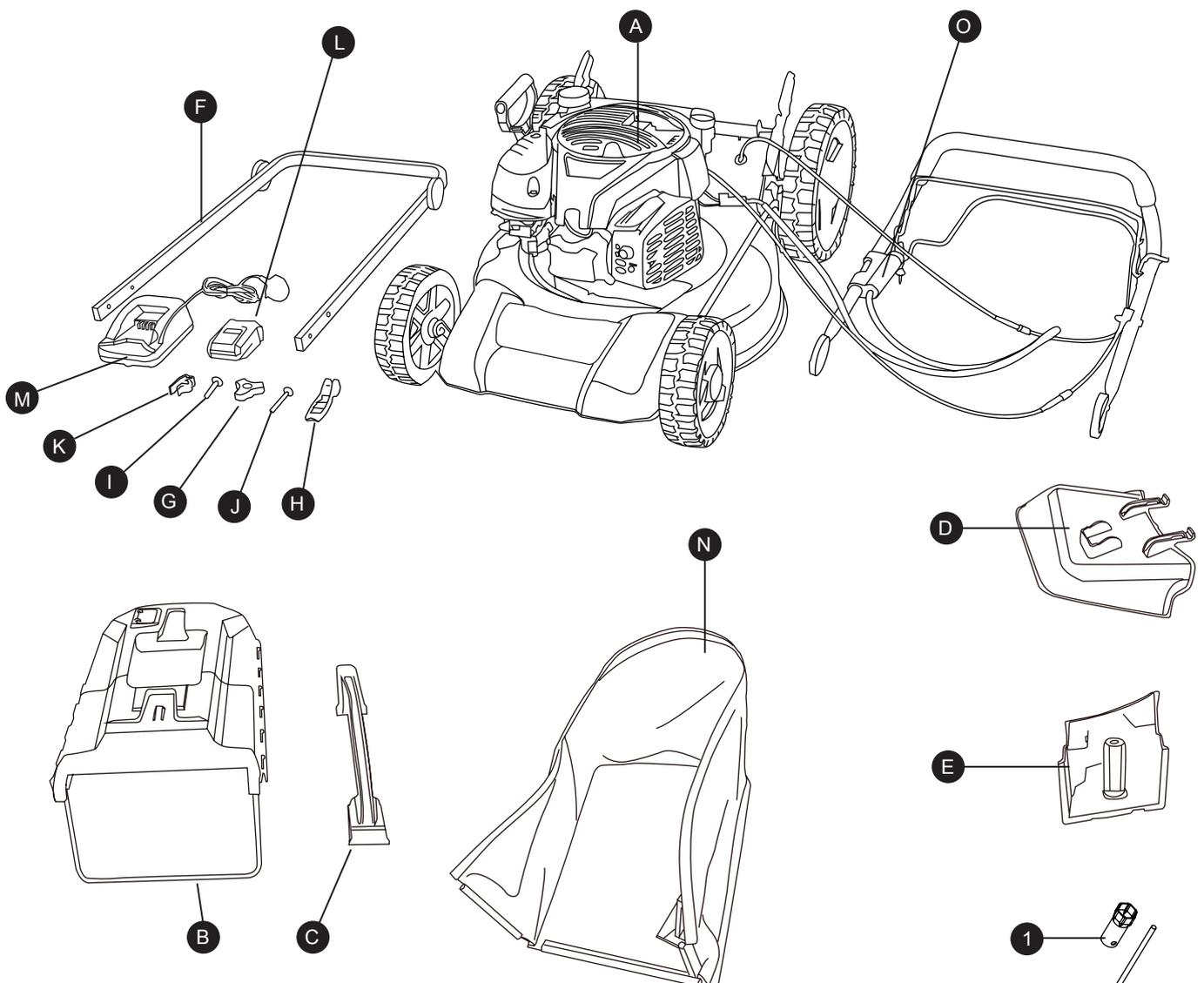
In the Box

Parts

- A** Main mower deck (with upper handle)
- B** Grass collecting bag frame
- C** Grass bag lift handle
- D** Side discharge chute 1pc
- E** Plastic mulching plug 1pc (inside the mower)
- F** Lower handle
- G** Lower handle fixing knob 4pcs
- H** Quick release 2pcs

Tools

- I** Low handle fixing bolt M8x40 4pcs
- J** Quick release bolt M8x55 2pcs
- K** Cable clip 2pcs
- L** Battery pack
- M** Charger
- N** Collection bag
- O** Key seat with 2 keys
- 1** Socket spanner for spark plug 1pc



You will also need:

- SAE30 or 4-stroke oil

- Unleaded fuel

- Funnel

If there are any parts missing, please call the customer helpline on **01904 727500**

Assembly

Preparing to assemble the lawnmower



WARNING!

- Always take care when removing the packaging to prevent damage to you or to the lawnmower.
- This item requires a two person lift to remove from the packaging. Make sure that you have sufficient space to put the lawn mower down. Keep your feet apart so that you have a stable position, bend at the knees and keep your back straight.
- Always recycle the packaging in accordance with local recycling schemes.

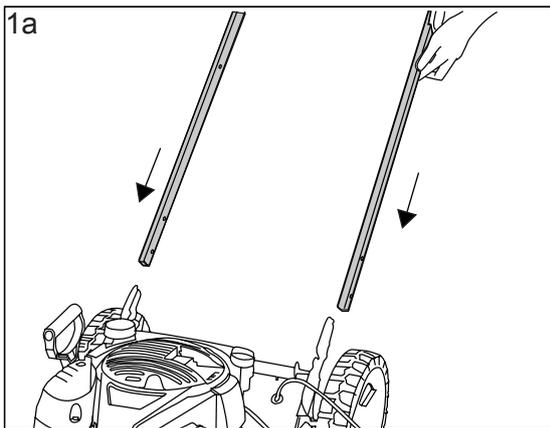
Step 1

Before assembling the lawnmower, check all the parts indicated in the manual are in the box. Inspect all the parts for signs of damage. Do not assemble the lawnmower if you observe any damaged components.

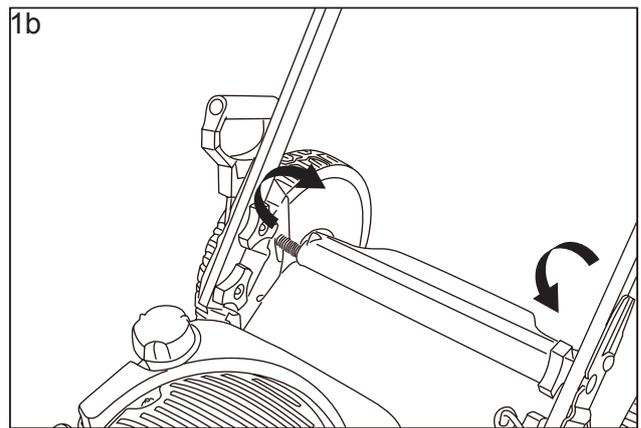
1 Remove all parts of the lawnmower from the box and carefully remove all packaging. Take care not to lose any instructions which may be attached to the parts. These provide important information which will be required while assembling the lawnmower.

2 Keep all packaging until the lawnmower is fully assembled and has been operated successfully. Box should be kept for duration of warranty.

Step 2



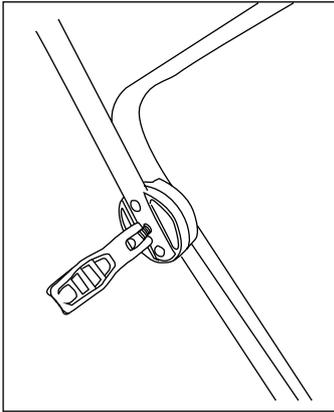
1a Remove the packaging from the handle. Set the height adjustment to lowest position, and align the lower handle with the holes in the deck. Make sure the holes in the lower handle are aligned with those in the support.



1b Fix the lower handle onto the deck firmly.

Assembly

Step 3



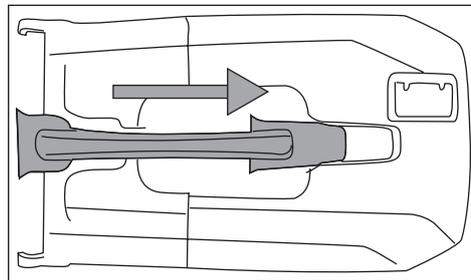
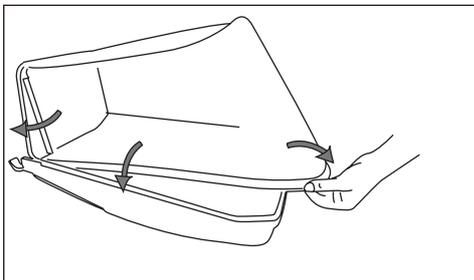
Lift the upper handle, and lock in place using the quick release lever and tensioning bolts that are attached to the handle.

Ensure the lower and upper handles are firmly connected.

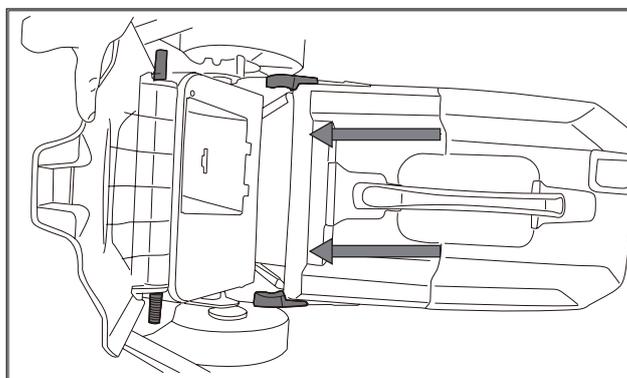
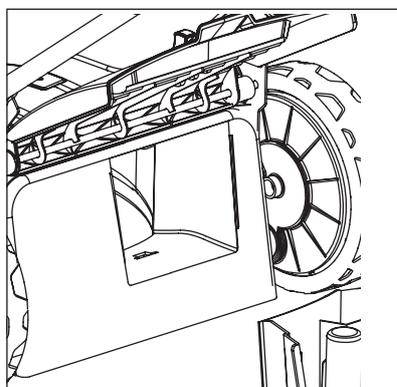
Step 4



IMPORTANT! Make sure the grass collection box is in place before starting the engine.



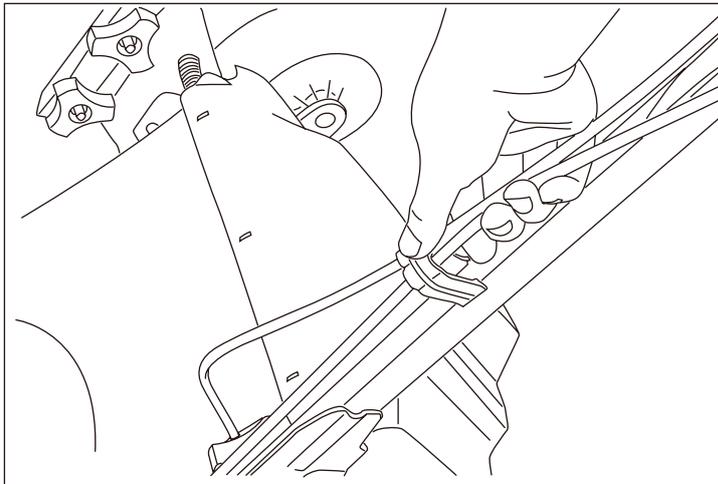
Assemble the grass collection bag and attach the lift handle onto the grass bag frame.



When using the grass collection bag, please ensure the mulching plug is removed before hooking the bag onto the mower. Ensure the side discharge chute is not fitted when collecting the grass in the bag.

Assembly

Step 5



Ensure that the cables clips supplied are used to fix the cable to the lower handle.

STOP!

Do not start the engine before putting 600ml of SAE 30 oil into the engine.

Failure to do so will result in irreparable damage to the engine and invalidate your warranty.

Getting Help

Customer Helpline 01904 727500

Our dedicated UK based customer helpline is open 7 days a week to assist you with assembly, parts queries and technical support. We are open during office hours but you can always send an email via support@gardenservicecentre.co.uk. Our experts are here to get you back enjoying your garden in no time.

For useful assembly, starting and maintenance videos and ordering spares please visit www.gardenservicecentre.co.uk.

Calling our service does not affect your statutory rights

UK/Ireland 01904 727500

Monday to Friday 9am – 5pm. Saturday & Sunday 11am – 4pm

www.gardenservicecentre.co.uk

email: support@gardenservicecentre.co.uk

Qualcast 53cm Key Start Self Propelled Petrol Lawnmower

Operation and Maintenance Manual

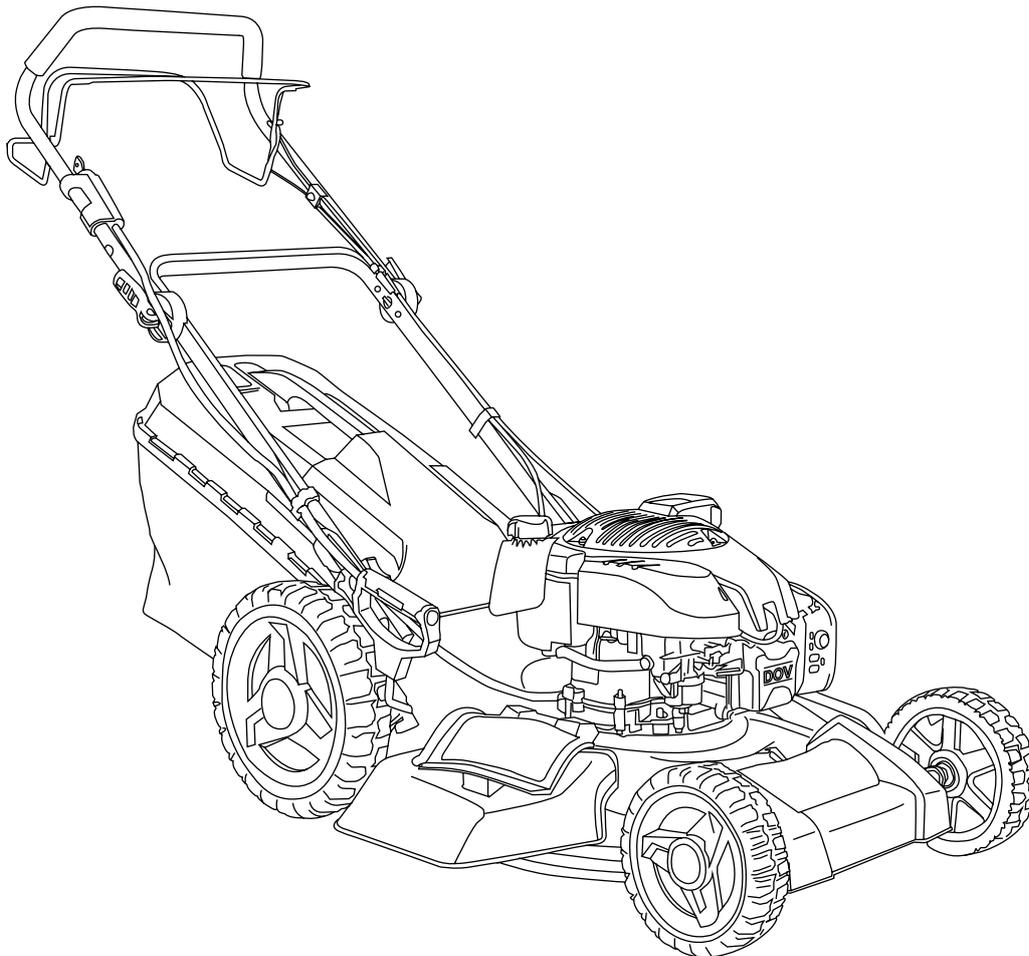
XSZ53C-SD-E



Technical Support & Parts

01904 727500

Mon-Fri 9am-5pm Sat-Sun 11am-4pm
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videos!

QUALCAST

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Safety Information

Important - Please read these instructions fully before operating or maintaining

Warnings Symbols

The following warning symbols appear throughout this manual and indicate the appropriate safety measures you should take when operating and maintaining the lawnmower.



Read instruction handbook before operating this machine.



Keep bystanders away.



Beware of sharp blades- remove spark plug lead before maintenance.



No naked flames.



Appropriate ear, eye, and head protection must be worn.



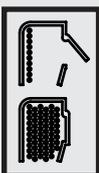
Hot surfaces will burn fingers or palms.



Warning! The lawnmower exhaust gas contains toxic substances. Do not run the engine in closed or poorly ventilated areas.



Blade continues to rotate for a period after the machine is switched off. Do not touch the blade until all the machine components have been stopped completely.



Your mower is fitted with a grass full indicator. This is a small red flap on the top side of the grass collector. When this flap remains open as you work, it means that the grass collector is not full.



Guaranteed sound power level.



Safety Information

Important - Please read these instructions fully before operating or maintaining

General Safety



WARNING!

- Keep this operating and maintenance manual in a safe place for reference at a later date.
- Read the instructions carefully. Be familiar with the controls and the proper use of the equipment.
- Never allow children or people unfamiliar with these instructions to use the lawnmower. Local regulations can restrict the age of the operator.
- Never mow while people, especially children, or pets are nearby. Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.
- This appliance is not intended for use by people (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Do not touch rotating blade.

Personal Safety



WARNING!

- While mowing, always wear substantial 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 can be thrown by the machine.
- Petrol is highly flammable: store fuel in containers specifically designed for this purpose.
 - a) refuel outdoors only and do not smoke while refueling.
 - b) add fuel before starting the engine. Never remove the cap of the fuel tank or add petrol while the engine is running or when the engine is hot.
 - c) If petrol 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 petrol vapours have dissipated.
 - d) replace all fuel tank and container caps securely.
- Replace faulty silencers.
- Prior to use, visually inspect to see that the blade, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance.



Safety Information

Important - Please read these instructions fully before operating or maintaining

Operation Safety



WARNING!

- Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect.
- Mow only in daylight or in good artificial light.
- Avoid operating the equipment on wet grass, where feasible.
- Always be sure of your footing on slopes.
- Walk, never run.
- Mow across the face of slopes, never up and down.
- Exercise extreme caution when changing direction on slopes.
- Do not work on slopes where the gradient is larger than 15°.
- Use extreme caution when reversing or pulling the lawnmower towards you.
- Stop the blade if the lawnmower has to be tilted for transportation when crossing surfaces other than grass, and when transporting the lawnmower to and from the area to be mowed.
- Never operate the lawnmower with defective guards, or without safety devices, for example deflectors and/or grass catchers, in place.
- Do not change the engine governor settings or over speed the engine.
- Start the engine carefully according to instructions and with feet well away from the blade.
- Do not tilt the lawnmower when starting the engine.
- Do not start the engine without the grass collector located.
- 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 lawnmower while the engine is running.
- Stop the engine and disconnect the spark plug cable, making sure that all moving parts have come to a complete stop.
 - a) Before clearing blockages or unclogging chute.
 - b) Before checking, cleaning or working on the lawnmower.
 - c) After striking a foreign object, inspect the lawnmower for damage and make repairs before restarting and operating the lawnmower.
 - d) If lawnmower starts to vibrate abnormally, check immediately.
- Stop the engine and disconnect the spark plug wire, make sure that all moving parts have come to a complete stop before refueling.
- Charge Briggs & Stratton battery pack only with Briggs & Stratton battery charger.
- Do not use Briggs & Stratton charger to charge any other type of batteries.



Safety Information

Important - Please read these instructions fully before operating or maintaining

Maintenance and Storage

- Keep battery pack and battery charger dry. Do not expose battery pack or charger to rain or wet conditions.
- To reduce risk of damage to electric plug and cord, pull by plug rather than cord when disconnecting charger.
- An extension cord should not be used unless absolutely necessary. Use of improper extension cord could result in a risk of fire and electric shock. If an extension cord must be used, make sure:
 - a. That pins on plug of extension cord are the same number, size, and shape as those of plug on charger;
 - b. That extension cord is properly wired and in good electrical condition; and
 - c. That wire size is a minimum of 16 AWG to allow for AC ampere rating of charger.
- Do not operate charger with damaged cord or plug - replace charger immediately.
- Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way. If charger is damaged it must be replaced. Charger is not serviceable.
- Do not disassemble charger; or attempt to service.
- To reduce risk of electric shock, unplug charger from outlet before cleaning.
- Do not short circuit; never place any object into the battery contacts.



WARNING!

- Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.
- Never store the equipment with petrol in the tank inside a building where fumes can reach an open flame or spark.
- Allow the engine to cool before storing in any enclosure.
- To reduce the fire hazard, keep the engine, silencer, and petrol storage area free of grass, leaves, or excessive grease.
- Check the grass bag frequently for wear or deterioration.
- Replace worn or damaged parts for safety.
- If the fuel tank has to be drained, this should be done outdoors.

Intended Use:

This mower is designed for domestic lawn mowing only. Use in any other way is considered contrary to the intended use. Compliance with the operation, service and repair as specified in this handbook also constitute essential elements of the intended use.

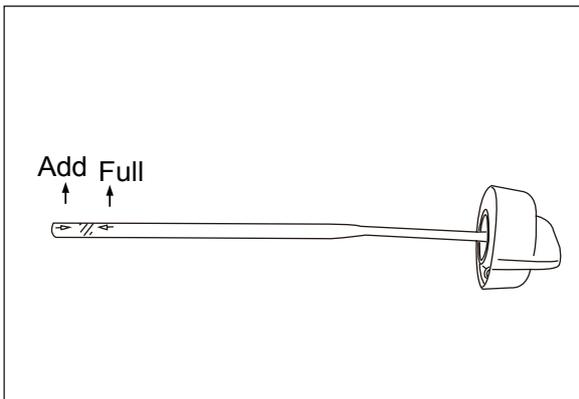
Preparing to Operate the Lawnmower

Step 1 - Filling with Engine Oil



IMPORTANT!

- The following procedures and adjustments must be performed before the engine is started. Do not attempt to make any of these adjustments while the engine is running.
- Always use high quality detergent oil classified SAE30 oil (or equivalent eg 5W 30, often termed as 4 Stroke lawn mower oil). Only use additives recommended by the engine manufacturer. To prolong the life of your engine it is important that the oil is changed after the first 5 hours of use. Using non-detergent oil can shorten the engine's service life and using 2-stroke oil will damage the engine.
- Due to legislating this engine is shipped without oil or petrol. The engine must be filled with the correct grade of oil and petrol before starting the engine.
- Running the engine with a low oil level will cause engine **irreparable damage**.



Check the engine oil level with the engine stopped and the mower on a level surface.

Remove the oil filler dipstick and wipe oil from it with a clean cloth.

Insert the dipstick into the oil filler neck, **and screw it in**.

Then remove the dipstick and check the oil level. The oil level must be between the Min and Max marks on the dipstick. If near the lower level, fill to upper level with the recommended oil (SAE30 or equivalent). Do not overfill. Wipe away any spilt oil.

Step 2 - Filling with Engine Fuel



WARNING!

- Refuel in a well-ventilated area with the engine stopped. Do not smoke or allow flames or sparks in the area where the engine is refueled or where petrol is stored. Avoid repeated or prolonged contact with skin or inhalation of vapour.



CAUTION!

- Petrol is highly flammable and extreme precaution must be taken when handling or working with it. Keep out of reach of children.

Preparing to Operate the Lawnmower

Step 2 - Filling with Engine Fuel (continued)

- 1 Clean the area around the petrol filler cap before removing the cap. Remove the warning tag, check the fuel level.
- 2 Refill the tank if the fuel level is low. Always use clean, fresh unleaded petrol. Purchase fuel in quantities that can be used within 30 days. Never mix oil with petrol.
- 3 Refuel carefully to avoid overfilling or spilling fuel to allow for expansion. There should be no fuel in the filler neck.
- 4 Clean up any overflow or splashes of petrol before starting the engine.

NOTE 5 Tighten the filler cap after filling, finger tight only.



NOTE! The Qualcast 53cm key start self drive lawnmower has a maximum fuel capacity of 1000ml.

Step 3 - Charge the battery



WARNING!

Charge battery pack only with Briggs & Stratton battery charger.



CAUTION!

The Lithium-Ion battery pack was partially charged before shipment. To maintain charge and to prevent damage while in storage, the battery pack is programmed to enter a "sleep mode". A quick charge of approximately ten (10) seconds is required to wake up the battery. Leave battery pack in charger until fully charged.



1. Connect the charger to mains source and the light ,
2. Slide the battery pack (G) into the battery charging bay. If the red charging light (A) does not come on, remove the battery pack and reinstall. Make sure the battery pack is firmly seated in the battery charging bay(F).

Preparing to Operate the Lawnmower

Step 3 - Charge the battery (continued)

- Red light indicates battery pack is charging normally (A).
 - Green light indicates battery pack is fully charged (B).
 - FLASHING red light indicates the battery pack is either too hot or too cold (C) and will not accept a charge. Leave the battery pack connected and when normal operating temperature is reached it will automatically start charging.
 - FLASHING red/green lights (D) indicate that battery pack will not charge and must be replaced.
3. From “sleep mode”, the battery will wake up in approximately ten (10) seconds.
 4. A completely discharged battery pack will fully charge in approximately one (1) hour. The battery pack will stay fully charged if left on the charger.
 5. When the green light indicates that the battery pack is fully charged, it can be removed from the charger.
 6. To check available charge, press the Battery Fuel Gauge button (E).
 7. When not in use, disconnect battery charger from mains source.

Battery Fuel Gauge

To check available charge, press the Battery Fuel Gauge button (E, Figure 5). The display lights (H) will indicate the approximate amount of charge remaining in the battery pack.

Four lights - 78% to 100%

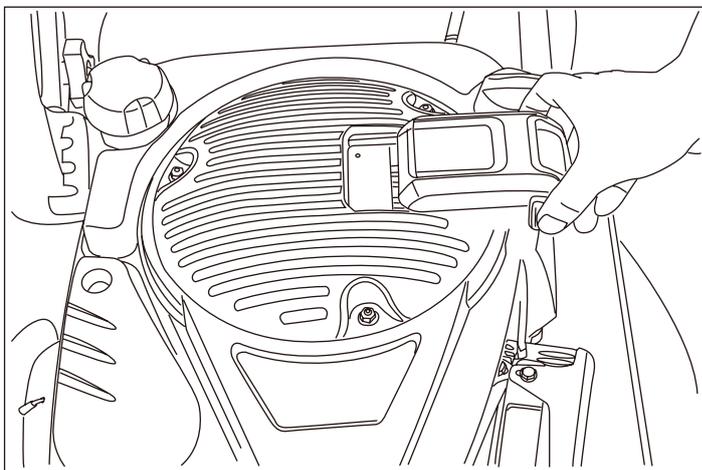
Three lights - 55% to 77%

Two lights - 33% to 54%

One light - 10% to 32%

Flashing light - less than 10%

Step 4 Fit the battery pack onto the mower



Fit the battery pack into the engine; a click confirms it is fitted correctly.

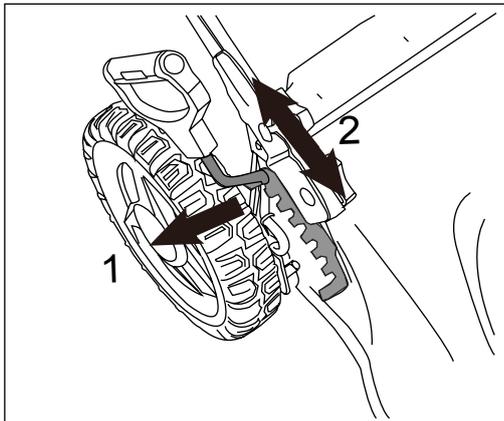
Operating the Lawnmower

Step 1 - Setting the Cutting Height



WARNING!

- The blade can cause serious injury. Before adjusting the mower height, stop the engine and wait for the mower blade to stop completely.



1 Pull the lever towards the wheel, then move it forward or backward to adjust the cutting height.

2 Move it to any one of the 7 positions for the desired cutting height.



3 Return lever into securing plate.

NOTE! Never use the lowest cutting height for the first cut of the season or in drought conditions. Only about one thirds of the grass height should be cut.

Step 2 - Starting the Engine



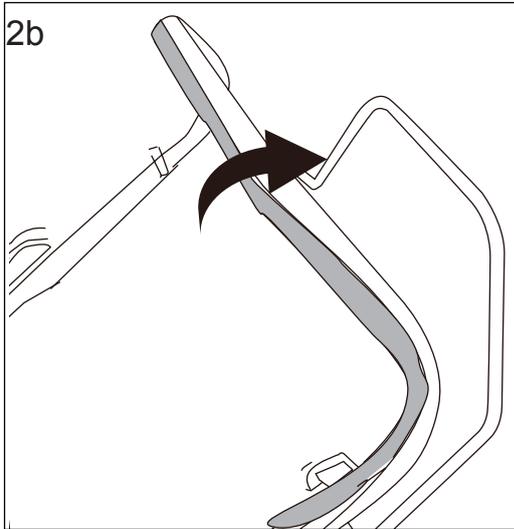
WARNING!

- 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 the 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.

INSERT THE BATTERY PACK TO ENGINE	STOP/START-LEVER CLOSED	KEY START	PROPULSION-LEVER CLOSED
1	2	3	4

Operating the Lawnmower

Step 2 - Starting the Engine (continued)

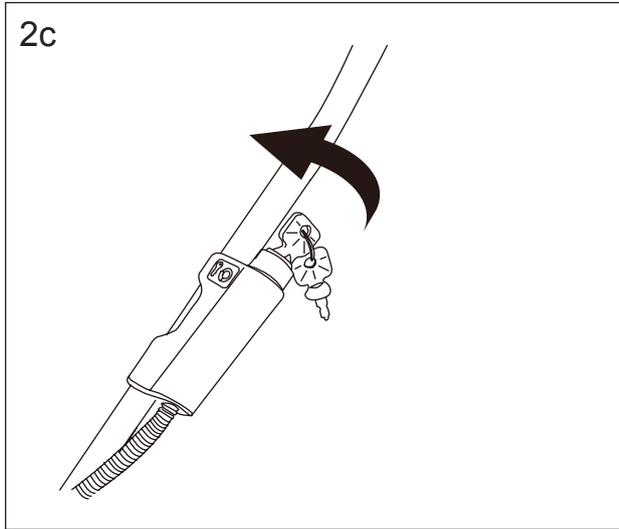


2b Start/Stop Bar Activation

Pull the Start/Stop bar towards you.

2c Key start.

1. Turn the ignition key fully to the right.
2. As soon as the motor starts running, release the key (it turns automatically).



CAUTION!

Every start, ignition time should be less than 5s. Long time ignition will damage the electric motor. If no starting first time, please try 3~5 times.

Operating the Lawnmower

Failure to start

If the engine won't start after you have operated the key several times, the engine may be flooded with excess fuel.

Use following procedure to clear and start a flooded engine:

- A. Release the stop/start bar.
- B. Remove the spark plug, dry it, and then reinstall it .

Install the spark plug carefully by hand, to avoid cross-threading. After the plug is seated, tighten 1/8 to 1/4 turn with socket spanner of spark plug to compress the washer.

- C. Pull the stop/start bar towards the upper handle.
- D. Operate the starter as described above.

Step 3 - Mowing



WARNING!

- Always observe the strictest safety procedures when using the lawnmower.
- Do not remove grass debris in the mower casing or on the blade by hand or with your feet. Instead use suitable tools such as a brush or broom.
- Before you remove the grass bag, stop the engine and wait until the blade stops completely.
- Always empty the grass bag when you have finished the mowing, even if it is not full. Stored grass residues are a fire hazard.

Mowing with grass bag (Be sure to remove the side discharge chute and take out the mulching plug)

Start the engine and allow it run. See "Step-2 Starting the engine"

Keep a firm grip on the upper handle with stop/start bar and walk bar closed and walk along with it self-propelling, never run with the mower, be very careful when mowing uneven or rough ground. Mow across slopes, never up and down. Be careful when changing the direction of the mower on a slope. Do not use the mower on a steep slope of more than 15°.



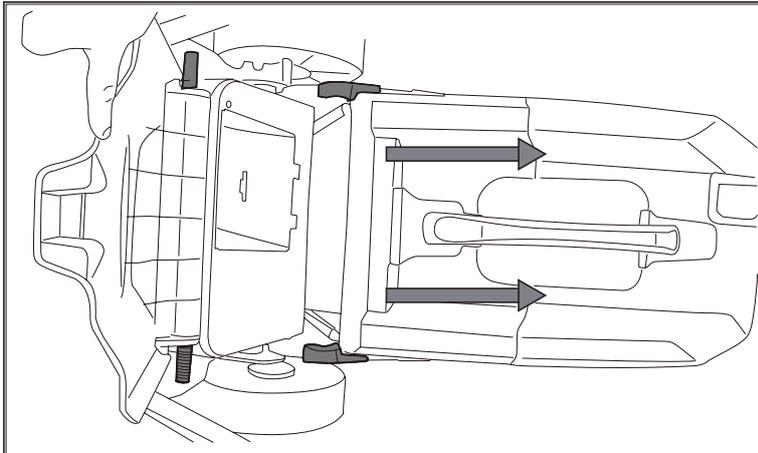
NOTE!

- The best result will be achieved if the grass is dry. Wet grass will tend to clog the blade and the grass collection system.
- Never use the lowest cutting height for the first cut of the season or in drought conditions. Only about one thirds of the grass height should be cut. Grass grows at different rates at different time of the year.
- If the lawnmower will not collect the cuttings efficiently, the grass discharge chute may be blocked. The grass bag may be full or the underside of the mower deck may be clogged.

Operating the Lawnmower

Step 3 - Mowing (continued)

3a



3b



Mowing with mulching



When mulching, remove the collection grass bag(3a), and put the plastic mulching plug into the rear discharge chute(3b). Then release the flap, it will close back to cover the mulching plug.

NOTE! To ensure that the cut grass can be mulched efficiently, do not cut high or wet grass.

3c



3d



Mowing with side discharge

When using side discharge to throw grass, remove the grass collection bag(3a) and insert the mulching plug (3b).

- Raise the side safety flap with one hand, and hook the side discharge chute onto the mower using the hand. (3c)

- Release the safety flap. (3d)



NOTE! To ensure that the cut grass can be scattered efficient, do not cut high or wet grass.

Step 4 - Emptying the Grass Bag

- Raise the discharge flap with one hand and remove the grass bag using its handle with your other hand. To maintain safety, the discharge flap will close back to cover the mulching plug, when you release the flap.

- Empty the grass debris in the grass collection bag and refit grass collection bag. If any grass residues are caught in the discharge chute, clean it using a brush.

Maintenance

Storing the Lawnmower for Short Periods

After mowing please follow the below actions prior to placing the lawnmower in storage.

- Allow the engine to fully cool.
- Ensure the grass bag is empty.
- Clean all debris from under the mower deck.
- Store the lawnmower on flat and level surface with with all 4 wheels on the ground.
- Store in a safe place which is not accessible by children or people who are not familiar with operation.

Storing the Lawnmower for Extended Periods



CAUTION!

- Do not empty the petrol tank in enclosed areas, near fire or when smoking. Petrol fumes can cause explosions and fire.

If the lawnmower is to be placed into storage at the end of the season or if the mower is not to be used for a longer period than 6 weeks, storage maintenance must be performed on the lawnmower. The temperature fluctuations cause condensation which contaminates fuel and causes starting problems. Simply emptying the machine of fuel will prevent this.

1 Run the machine until it stops. Alternatively, empty the petrol tank with a petrol suction pump if available or use the tipping method.

2 Start the engine and let it run until any remaining petrol has been used up.

3 Change the oil at the end of every season. To do so, remove the used engine oil from a warm engine and refill with fresh oil.

4 Remove the spark plug from the cylinder head. Fill the cylinder with approx. 20 ml of oil from an oil can. Slowly pull back the starter handle, which will bathe the cylinder wall with oil. Screw the spark plug back in.

5 Clean the cooling fins of the cylinder and the housing.

6 Be sure to clean and dry the entire machine to protect it from corrosion..

7 Store the machine in a well-ventilated place.

For more information watch our maintenance videos on www.gardenservicecentre.co.uk



NOTE: Alternatively adding Briggs & Stratton **FUEL FIT** to the fuel will prevent contaminated fuel. Not all additives on the market do this. **FUEL FIT** can be ordered via www.gardenservicecentre.co.uk

Preparation to re-use

- Check oil level before starting the engine and ensure oil is sufficient, see page 7.
- Check battery condition, see page 8
- Check spark plug inserted correctly, see page 16
- Fill engine with fresh unleaded fuel, see page 8
- Follow starting procedure, see page 10

Maintenance

Maintenance Schedule



WARNING!

- Before you tip the lawn mower onto its side, completely empty the fuel tank using a petrol suction pump.
- Never turn the mower upside down.
- Before commencing any maintenance always disconnect the spark plug

Performing routine maintenance correctly on your lawnmower will ensure you get years of trouble free use.

Please keep this manual safe for future reference.

It is recommended that the following maintenance schedule is adhered to. This will ensure the lawnmower operated correctly and is safe to use.

	after every use	12 hours of use	24 hours of use	36 hours of use
Cleaning	clean	clean	clean	clean
Air filter		clean	clean	replace
Spark plug		check	clean	replace
Engine oil	check	check	replace	check
Cutting blade	check	check	check	replace

The engine oil should be changed after the first 5 hours.

Cleaning

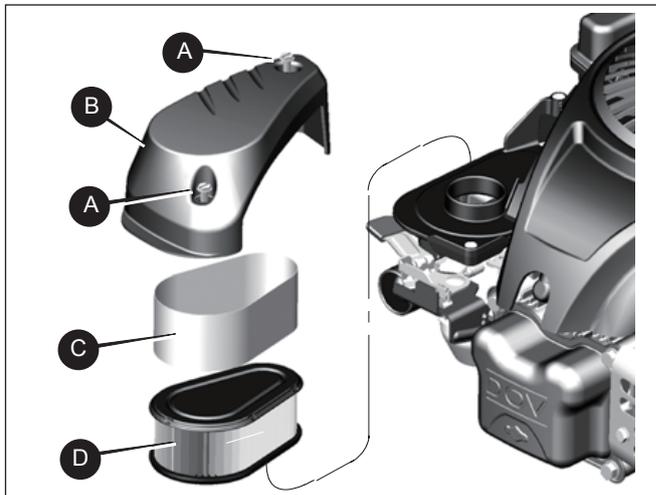
- To ensure long life and good performance of the machine its important to keep the machine clean and well lubricated. Make sure the chute is clean and under the deck is cleared from wet debris. see also short term storage.
- Do not allow grass cuttings and other debris to become dry and hard on any of the mower surfaces. This will directly affect the cutting and grass collection performance. Make sure that the underside of the lawnmower deck is clean and clear.
- Never clean the lawn mower with a water jet or high-pressure cleaner. The engine must remain dry. Do not use aggressive cleaning agents such as cold cleaner or petroleum ether.

Maintenance

Cleaning or Replacing Air Filter

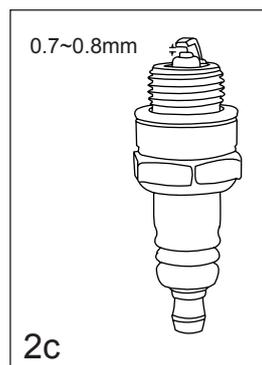
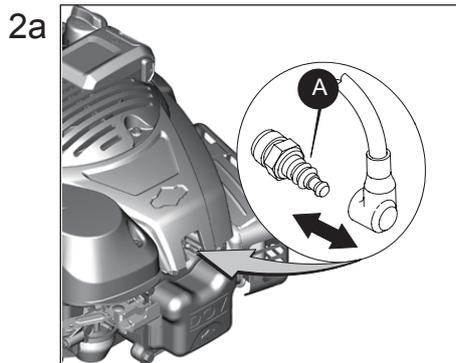


WARNING! Never run the engine without the air filter element installed.



1. Loosen the fastener (A) that holds the cover (B).
2. Open the cover and remove the filter (D).
3. To loosen debris, gently tap the filter D on a hard surface. If the filter is excessively dirty, replace with a new filter.
4. Install the filter.
5. Close the cover and secure with the fastener (A).

Cleaning or Replacing Spark Plug



- 2a Once the engine has cooled, pull off the spark plug boot with a twist. Remove the spark plug using the socket spanner supplied.
- 2b Clean the plug with a wire brush.
- 2c Using a feeler gauge set the gap to 0.7~0.8mm.
- 2d Install the spark plug carefully by hand, to avoid cross-threading.
- 2e After the spark plug is seated, tighten with the spanner to compress the washer.

Maintenance

Changing the Oil

Tilt the lawnmower towards the oil filler, have a container ready to catch the oil and remove the dipstick. Once the oil has been emptied, wipe clean any spillages.

Refill with 600ml SAE30 oil or equivalent (ie SAE5W/30, SAE10W/30). When the dipstick is screwed into the filler pipe, the oil level must be between the min and max marks on the dipstick.

See "Filling with Engine Oil". Do not overfill.

Start the engine and allow it to run briefly.

Stop the engine, wait one minute and check the oil level. Top up if necessary.

Replacing Cutting Blade



WARNING!



- Before you remove the grass collection bag, stop the engine and wait until the blade stops completely.

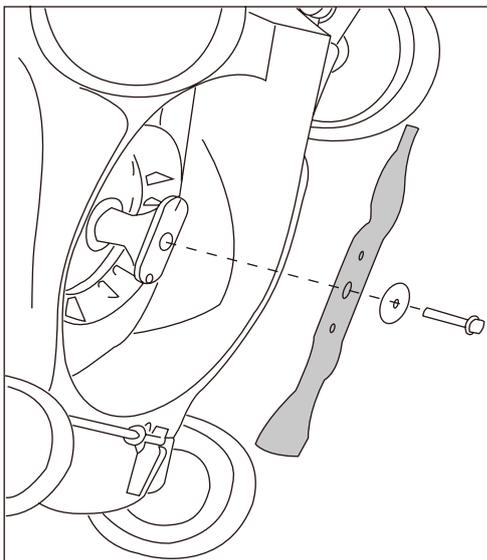
- You will need garden gloves (not provided) and a spanner wrench to remove the blade.

- Always handle the blade with care- sharp edges could cause injury USE GLOVES.

- Don't hold the blade by hand directly.



IMPORTANT! Disconnect the spark plug before doing any maintenance.



Renew your metal blade after 50Hrs mowing or 2yrs which ever is sooner regardless of condition.

Regularly check your blade. If the cut of your grass is poor, the blade might be blunt. Damaged blades not only result in a bad cut, they cause excessive vibration and uneconomical running of the engine. If the blade has worn excessively and become pitted and blunt, it should be replaced or sharpened.

Maintenance

Replacing Cutting Blade (continued)

1. Tip the machine slightly towards the oil filler pipe and reach under the deck.
2. Hold the blade and unscrew the blade bolt counterclockwise using a spanner wrench. Remove the washer and the blade.
3. Inspect the blade adaptor on any signs of damage.
4. Fit a new blade, locate the blade on the two studs on the blade flange and then replace the washer and bolts.
5. Check the washer is still slightly domed to keep the pressure on the bolt to stop it unwinding, keeping the blade firmly secure. Then replace the washer (right way around!) and bolts.
6. Make sure the blade is correctly located, and then firmly tighten the bolt. Do not over tighten. The up turn of the blade must project into the motor compartment.



NOTE!

- The blade carrier is designed to break under heavy blade impact to protect the machine. If this happens also replace the blade carrier. This can be purchased from www.gardenservicecentre.co.uk
- If you are unsure about performing this operation call our helpline or go to an authorised dealer to change the blade for you. .

Spare blades and other parts can be purchased in store or via www.gardenservicecentre.co.uk

List of Consumable Qualcast Parts

XC92YC	spark plug	974225	blade nut
974903	collection bag	466018	knob
974213	blade	974008	mulching plug
974926	battery	974927	charger

Parts can be ordered via www.gardenservicecentre.co.uk

Troubleshooting

General Troubleshooting



WARNING!

- Always switch off the engine and pull the ignition cable before starting any inspection or adjustment work.
- If, after making an adjustment or repair to the engine, you let it run for a few minutes, remember that the exhaust and other parts will get hot.

The following table provides solutions to common problems encountered with the lawnmower.

Fault	Possible Cause	Solution
Loud while running, machine vibrates heavily	<ul style="list-style-type: none">- Screws are loose- Blade fasteners are loose- Blade is unbalanced	<ul style="list-style-type: none">- Check screws- Check blade fasteners- Replace blade
Engine does not start	<ul style="list-style-type: none">- start/stop bar not pressed- Spark plug is defective- Fuel tank is empty- Engine may be flooded- Battery is empty.	<ul style="list-style-type: none">- Press start/stop bar- Replace spark plug- Refill with fuel- Remove plug and dry, see page 11 Charge the battery.
Engine runs unsteadily	<ul style="list-style-type: none">- Air filter is soiled- Spark plug is soiled	<ul style="list-style-type: none">- Clean the air filter- Clean the spark plug
Uneven mowing results	<ul style="list-style-type: none">- Blade is blunt- Cutting height is too low	<ul style="list-style-type: none">- Sharpen the blade- Set correct height
Unsatisfactory grass collection	<ul style="list-style-type: none">- Cutting height is too low- Blade is worn- grass bag is clogged	<ul style="list-style-type: none">- Set correct height- Replace the blade- Empty the grass bag

Technical Data

Technical Data Table

Property	Value
Engine type	Single cylinder 4-stroke
Engine displacement	161cc
Engine power	2.6kW/2900min ⁻¹
Engine speed	2900min ⁻¹
Cutting width	53cm
Grass bag capacity	70L
Ignition	T.C.I
Oil tank capacity	0.6L
Sound pressure level	85 dB(A)
Sound power level	98 dB(A)
Vibration	4.0 m/s ² K=1.5 m/s ²
Spark type	XC92YC (Champion)
Net weight	38 kg

Disposal

Disposal Instructions

The lawnmower and its accessories are made of various recyclable materials. Dispose of the lawnmower in accordance with your local recycling regulations.

Getting Help

Customer Helpline 01904 727500

Our dedicated UK based customer helpline is open 7 days a week to assist you with assembly, parts queries and technical support. We are open during office hours but you can always send an email via support@gardenservicecentre.co.uk. Our experts are here to get you back enjoying your garden in no time.

For useful assembly, starting and maintenance videos and ordering spares please visit www.gardenservicecentre.co.uk.

Calling our service does not affect your statutory rights

Guarantee

Dear Customer,

In the unlikely event that your device develops a fault, please contact our customer service department on the telephone number shown below.

1. These guarantee terms cover additional guarantee rights and do not affect your statutory warranty rights.

Claims must be accompanied by Proof of Purchase. This must be in the form of a sales receipt or bank statement and must show that the product has been purchased within 2 years prior to the claim, from the retailer that it was originally sold to.

2. Our guarantee covers problems caused by material or manufacturing defects, and will result in the repair of these defects or replacement of the device with a like for like or similar article. Please note that our devices have not been designed for use in commercial, trade or industrial applications. Consequently, the guarantee is invalidated if the equipment is used in commercial, trade or industrial applications or for other equivalent activities.

3. The following are also excluded from our guarantee:

- A) Faults due to accidents, customer misuse, or unauthorized repairs
- B) Consumable Parts such as Blades/ /Spark plugs or Filters, battery packs and chargers
- C) Failure due to lack of routine maintenance
- D) Failure as a result of not using the equipment in accordance with the manual and safety instructions
- E) The adjustment of cables, drive belts, or recoil starters

4. The guarantee is valid for a period of 2 year starting from the purchase date of the device. Guarantee claims should be submitted before the end of the guarantee period within two weeks of the defect being noticed. No guarantee claims will be accepted after the end of the guarantee period. The original guarantee period remains applicable to the device even if repairs are carried out or parts are replaced. In such cases, the work performed or parts fitted will not result in an extension of the guarantee period, and no new guarantee will become active for the work performed or parts fitted. This also applies when an on-site Service is used.

5. Please keep your sales receipt in a safe place. If the defect is covered by our guarantee your device will either be repaired under the terms of guarantee or we will send you a replacement device. This device may be re-conditioned or like for like replacement.