

24"

Ride-on Lawnmower DUELT24

Your riding mower has been engineered and manufactured to our high standard for dependability, ease of operation, and operator safety. When properly cared for, it will give you years of rugged, trouble-free performance.

⚠ WARNING: To reduce the risk of injury, the user must read and understand the operator's manual before using this product.

















Thank you for your purchase.

















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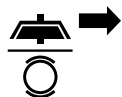






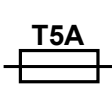


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Explanation of the symbols on the equipment

	Observe all safety instructions before use
	Read the operating instructions to reduce the risk of injury!
	Risk of injury: Do not drive or mow on slopes with an inclination greater than 10° (17%). Do not drive or mow in the lengthwise direction. Tipping hazard!
	Never operate the device without the catch bucket.
	There is a risk of debris being ejected when the engine is running. Make sure you keep a safe distance.
	Make sure other people also keep a safe distance. Keep bystanders away
	Remove the ignition cable before all maintenance work, and read the instructions for use.
	Do not let your hands or feet come in contact with the blades when the motor is running.
	Do not let your hands or feet come in contact with the blades when the motor is running.
	Important. Exhaust gas is poisonous, do not operate in an unventilated area.
	Danger - Hot surface! - Danger of burning
	Wear ear-muffs and safety goggles!
	Wear safety shoes, safety gloves, close-fitting clothes
	Attention! Operating materials are flammable and explosive - Danger of burning
	Fuel tank capacity
	Power

	Displacement
	Speed
	Catch basket volume
	Min. - max. cutting height adjustment
	Max. speed
	Max. slope angle
	Max. width
	Weight
	Engine oil
	Do not fill with fuel while the motor is hot or running
	Length knives. Max. Cutting width
	Guaranteed sound power
	Warning against hazardous electrical voltage
	The product complies with the applicable European directives and an evaluation method of conformity for this directives was done.
	Before working on the device, remove the ignition key and observe the instructions in this manual
	Charging socket 20V direct voltage

	<p>STOP: Shut off motor ON: Operation (manual start) START: Start (electrical start)</p>
	<p>Locking brake</p>
	<p>Choke/speed controller</p>
	<p>Forwards gear shift</p>
	<p>Neutral</p>
	<p>Reverse gear</p>
	<p>5-level cutting height adjustment</p>
	<p>Mower on/off</p>
	<p>Device fuse</p>
	<p>Protection class II</p>
	<p>Do not dispose of batteries with your domestic waste.</p>

1. Introduction

Dear customer,

We hope your new tool brings you much enjoyment and success.

Note:

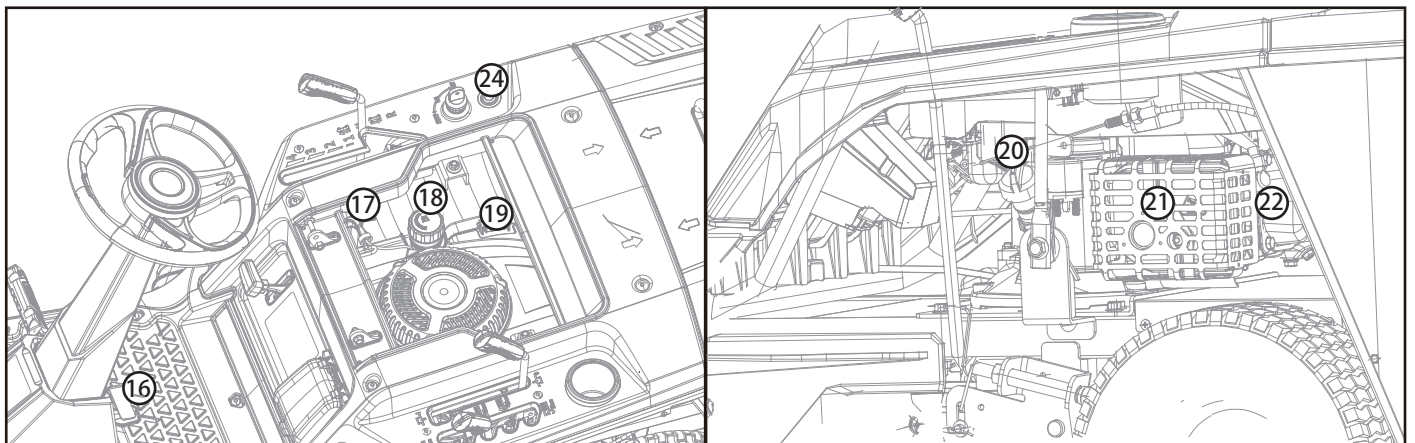
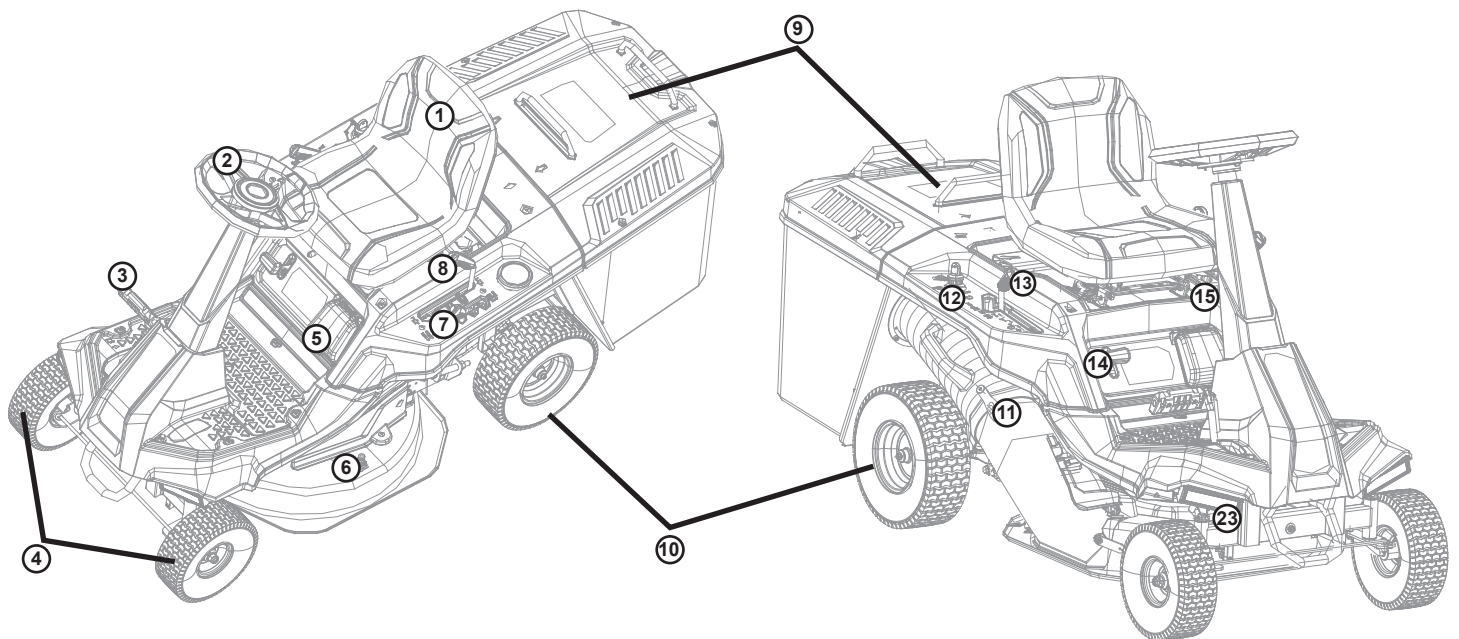
According to the applicable product liability laws, the manufacturer of the device does not assume liability for damages to the product or damages caused by the product that occurs due to:

- Improper handling,
- Non-compliance of the operating instructions,
- Repairs by third parties, not by authorized service technicians,
- Installation and replacement of non-original spare parts,
- Application other than specified,

We recommend:

- 1 Read through the complete text in the operating instructions before installing and commissioning the device.
- 2 The operating instructions are intended to help the user to become familiar with the machine and take advantage of its application possibilities in accordance with the recommendations.
- 3 The operating instructions contain important information on how to operate the machine safely, professionally and economically, how to avoid danger, costly repairs, reduce downtimes and how to increase reliability and service life of the machine.
- 4 In addition to the safety regulations in the operating instructions, you have to meet the applicable regulations that apply for the operation of the machine in your country.
- 5 Keep the operating instructions package with the machine at all times and store it in a plastic cover to protect it from dirt and moisture. Read the instruction manual each time before operating the machine and carefully follow its information. The machine can only be operated by persons who were instructed concerning the operation of the machine and who are informed about the associated dangers. The minimum age requirement must be complied with.
- 6 In addition to the safety requirements in these operating instructions and your country's applicable regulations, you should observe the generally recognized technical rules concerning the operation of identical constructed machines.

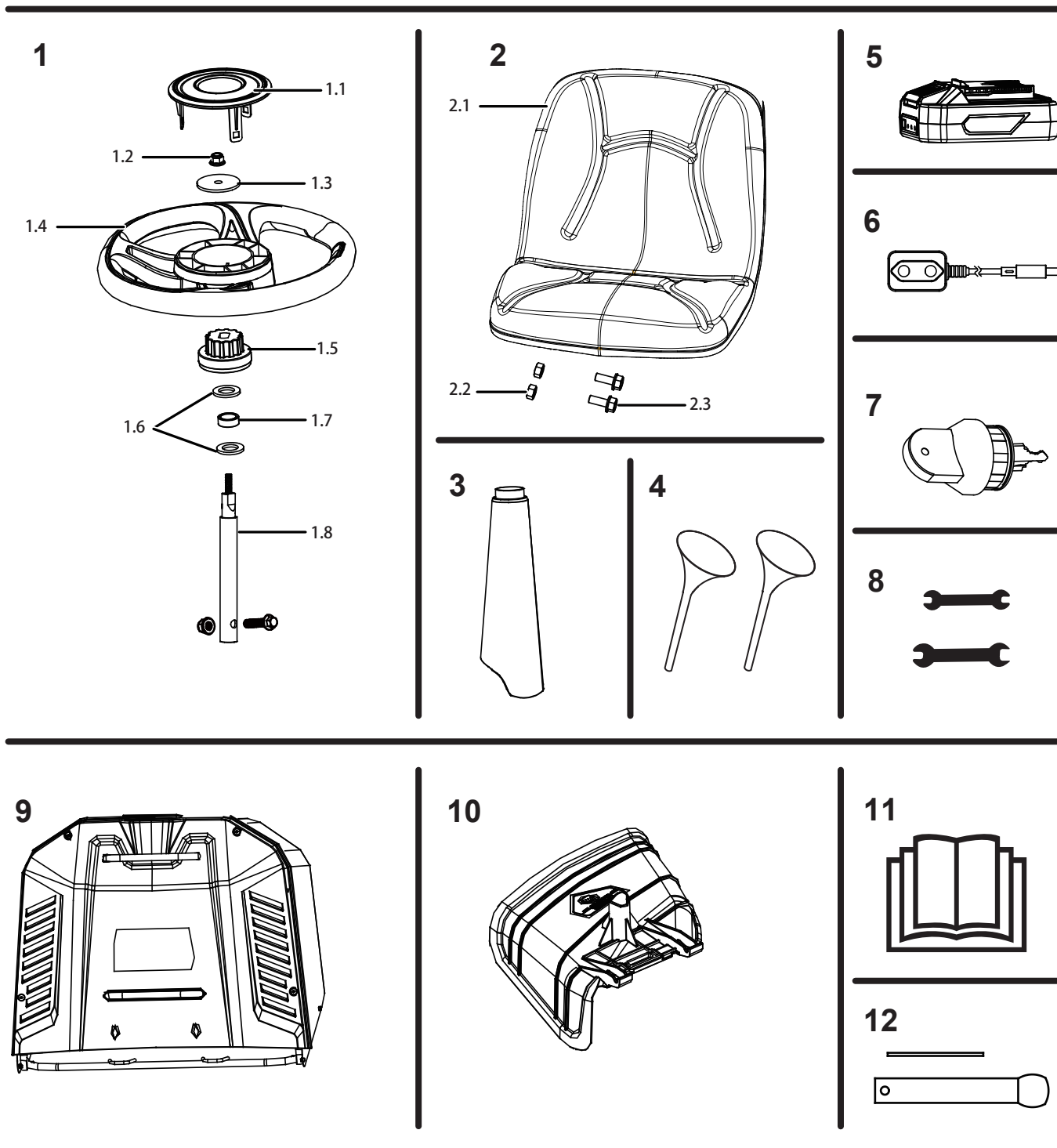
2. Layout



- | | | | |
|--------------------------|--------------------------|------------------------------|------------------------------------|
| 1. Seat | 2. Steering wheel | 3. Brake pedal | 4. Front tyres |
| 5. Battery compartment | 6. Water pipe connection | 7. Cutting height setting | 8. Cutter clutch |
| 9. Catch basket | 10. Rear wheels | 11. Rear chute | 12. Ignition lock |
| 13. Forward/Reverse gear | 14. Throttle | 15. Seat position adjustment | 16. Locking brake |
| 17. Pull cable starter | 18. Fuel tank cover | 19. Air filter | 20. Oil tank cover |
| 21. Exhaust pipe | 22. Spark plug | 23. Head light(Alternative) | 24. Head light switch(Alternative) |

3. Scope of delivery

- Open the packaging and remove the device carefully.
- Remove the packaging material as well as the packaging and transport bracing (if available)
- Check that the delivery is complete.
- Check the device and its spare parts for possible damage caused by transportation. In the event of complaints, you must contact the distributor without delay. Claims at a later stage will not be accepted.
- If possible, store the packaging until the warranty period has expired
- Before handling the device, make yourself familiar with it by reading the operating instructions.
- For accessories, consumables and spare parts, only use original parts. Spare parts are available from your stockist.
- Include our item number, the device model and year of manufacture in your order.



No.	Part name	Quantity
1	Steering column assembly	1
1.1	Steering wheel cover	1
1.2	Flange nut	1
1.3	Flat washer	1
1.4	Steering wheel	1
1.5	Steering wheel hub	1
1.6	Flange Washer	2
1.7	Bushing	1
1.8	Steering column/Bolt/Nut	1
2	Seat assembly	1
2.1	Seat	1
2.2	Nut	2
2.3	Bolt	2
3	Decorative tube	1
4	Funnel	2
5	20V Li-ion battery	1
6	Charger	1
7	Start keys	1
8	Wrench	2
9	Grass Catcher	1
10	Side Discharge Chute	1
11	Manual	1
12	Spark Plug Wrench	1

⚠ Attention!

The device and packaging materials are not toys! Children must not be allowed to play with plastic bags, film and small parts!

There is a risk of swallowing and suffocation!

4. Proper use

The machine meets the currently valid EU machine directive.

Caution – risk of accident:

The ride-on mower is only intended for mowing lawns; its use for other purposes is not permitted.

Before starting any work, all protective and safety devices must be in place.

- The machine has been designed to be operated by one person.
- The operator is responsible for third parties in the area of operations.
- All safety and hazard notices on the machine must be observed.

- All safety and hazard notices on the machine must be kept in a completely legible condition.
- Use the machine in a technically flawless condition only, as well as for its intended purpose, in a safe manner and being aware of dangers, in compliance with the operating instructions!
- Disruptions which can affect safety in particular must be eliminated straight away!
- The manufacturer's safety, operation and maintenance instructions as well as the technical data given in the calibrations and dimensions must be adhered to.
- Relevant accident prevention regulations and other generally recognized safety and technical rules must also be adhered to.
- The machine may only be used, maintained or repaired by trained persons who are familiar with the machine and have been informed about the dangers. Unauthorized modifications of the machine exclude a liability of the manufacturer for damages resulting from the modifications.
- The machine is intended for use only with original spare parts and original tools from the producer.
- Any other use is considered to be not intended. The manufacturer excludes any liability for resulting damages, the risk is exclusively borne by the user.
- The device must not be used for commercial, technical or industrial applications.
- If you are not sure whether working conditions are safe or unsafe, do not work with the machine.
- The petrol lawn mower is intended for private use i.e. for use in home and gardening environments. Private use of the lawn mower refers an annual operating time generally not exceeding that of 50 hours, during which time the machine is primarily used to maintain small-scale, residential lawns and home/hobby gardens. Public facilities, sporting halls, and agricultural/forestry applications are excluded.

Due to the physical danger to the user or other persons, the machine must not be used, for example, for the following applications:

- for cutting creepers,
- for shredding or chopping tree or hedge cuttings,
- for clearing paths (vacuuming, blowing),
- for snow clearing using the mowing deck,
- for the care of lawn roofs,
- for levelling earth mounds, e.g. mole hills.
- for transporting clippings, except in the grass catcher box intended for this purpose.
- The machine is not approved for use on public roads.
- The carrying of persons (especially children) and animals is not permitted.
- Never climb onto the mowing deck, and in particular the gauge wheels.
- For safety reasons, the lawn mower may not be used as a drive unit for other work tools or toolkits of any kind.

⚠ WARNING

For your own safety, please thoroughly read this manual and the general safety instructions before turning the device on. If you give the device to third parties, always include these instructions.

5. Safety instructions

These operating instructions provide places concerning your safety which are marked with this indication: ⚠

⚠ CAUTION

When using the equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating instructions and safety regulations with due care. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, hand over these operating instructions and safety regulations as well. We cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety instructions.

The following must not use the machine:

Children, persons with impaired physical, sensory or mental faculties or those lacking the appropriate experience, or persons who are not familiar with the instructions, must never be allowed to use the machine.

Never allow children under the age of 16 to use the machine. Local regulations may specify a minimum age for users.

The machine must only be operated by persons who are well rested and in good physical and mental condition. If your health is impaired, you should consult your doctor to determine whether working with the machine is possible. The machine should not be operated after the consumption of alcohol, drugs or medications which impair reactions.

⚠ Safety of personnel

Caution! Danger to health due to vibrations. Excessive exposure to vibrations can result in damage to the cardiovascular or nervous system, particularly in persons with cardiovascular problems. Please consult a physician if you experience symptoms that may have been caused by vibrational loads.

Symptoms of this kind principally affect the fingers, hands or wrists and include

- numbness,
- pain,
- muscular weakness,
- skin discolouration,
- unpleasant tingling sensation.

Hold the handlebar tightly, but not tensed, with both hands in the designated locations during operation. Plan your working times so that more severe physical strains over a longer period are avoided.

Warning! This electric tool generates an electromagnetic field during operation. This field can impair active or passive medical implants under certain conditions. In order to prevent the risk of serious or deadly injuries, we recommend that persons with medical implants consult with their physician and the manufacturer of the medical implant prior to operating the electric tool.

Clothing and equipment

Always wear sturdy footwear with high-grip soles when working. Never work barefoot or, for example, in sandals.

Always wear long trousers and tight-fitting clothing when operating the machine.

Never wear loose clothes which may become caught on moving parts (control levers) – do not wear jewellery, ties or scarves.

Also always wear sturdy gloves and tie up and secure long hair (headscarf, cap, etc.) when performing maintenance and cleaning work or when transporting the machine.

Wear suitable safety glasses when sharpening the mowing blade.

Working with your machine

Never work in the vicinity of other persons, particularly children, or animals. Ensure that the grass is never discharged in the direction of other persons.

Do not operate the machine in the rain or during thunder storms, particularly when there is a risk of lightning strike.

Exhaust gases:

Danger to life through poisoning!

In the case of nausea, headache, impaired vision (e.g. decreasing field of view) hearing disorder, dizziness, decreasing power of concentration, stop working immediately. These symptoms may be caused by excessively high exhaust gas concentrations.

The machine generates poisonous exhaust gases when the engine is running. The gases contain poisonous carbon monoxide, a colourless and odourless gas, as well as other pollutants. The engine must never be operated in closed or poorly ventilated spaces.

The engine exhaust is released into the air in front of the left rear wheel. When working with the machine, ensure that this area is always kept clean and is never covered in order to prevent the accumulation of exhaust gasses.

⚠ Workplace safety

Carefully inspect the complete area on which the machine is to be used and remove any stones, sticks, wires, bones and other foreign objects which could be thrown up by the machine. Obstacles (e.g. tree stumps, roots) can be easily overlooked in long grass. For this reason, mark all foreign

Beware of depressions (holes) in the terrain and other invisible points of danger. Obstacles can be easily overlooked in long grass.

Use the machine with great care when working near slopes, terraces, ditches and embankments. In particular, ensure that you maintain sufficient distance to such danger areas.

Particular care must be taken at points of poor visibility, bushes, trees and other obstacles, behind which persons, especially children, or animals may be hidden.

Bring the ride-on mower to a standstill immediately and stop the mowing blade if someone moves into the area to be mown.

Always monitor the area in front of the vehicle. Beware of obstacles, in order to be able to evade them in time.

Before reversing, always check the area behind the ride-on mower and, if present, disengage the attachment. Never mow in reverse, if it is not absolutely necessary. When mowing in reverse, take particular care and before beginning to mow, thoroughly check the entire area behind the ride-on mower.

When working together in a group, always inform the others in advance of what you intend to do. Maintain a safety distance!

The vehicle speed must be reduced before each change of direction, so that the user retains control of the machine at all times and also that the ride-on mower cannot tip over.

When operating near to roads and when crossing roads, other road users must be taken into account.

Take particular care when mowing near roads, cycle paths and footpaths. Objects which are thrown up by the mower can cause severe injury and damage.

⚠ Handling petrol

⚠ Danger to life! Petrol is poisonous and extremely inflammable.

Petrol must only be stored in appropriate, tested containers (canisters). Always screw on the fuel tank and canister caps properly and tightly. Defective caps must be replaced for safety reasons.

Keep petrol away from sparks, naked flames, pilot lights, heat sources, and other ignition sources. Do not smoke!

Refill the tank out-of-doors and do not smoke during refilling.

Before refilling the tank, stop the engine and allow it to cool.

Refilling with petrol must be performed before the engine is started. When the engine is running or is hot, the tank cap must not be removed and the tank must not be refilled with petrol.

Open the fuel tank cap slowly and carefully. Wait for pressure compensation and only then remove the tank cap completely.

Use a suitable funnel or filling pipe for refilling the tank, so that no fuel can spill onto the engine and housing or the lawn.

Do not overfill the fuel tank!

To give the fuel room to expand, never fill the fuel tank past the lower edge of the filler neck. Observe the additional instructions in the engine instruction manual.

If petrol is spilled, the engine must only be started after the petrol-contaminated area has been cleaned. All attempts at starting must be avoided until the petrol fumes have dispersed (wipe dry).

Any spilled fuel must be wiped up immediately.

Clothing must be changed if it comes into contact with petrol.

Following each refilling of the tank, the fuel tank cap must be properly screwed on and tightened. The machine must not be operated without the original tank cap.

For safety reasons, the fuel line, fuel tank, tank cap and connections must be checked regularly for damage, ageing (brittleness), firm seating and leaks. Replace if necessary.

If it is necessary to drain the tank, this must be done out of doors.

Never use beverage bottles or similar for disposal or storage of fuels and lubricants. Persons, particularly children, could be tempted to drink out of them.

Never store the machine with petrol in the tank inside a building. The resulting petrol fumes could come into contact with naked flames or sparks and could be ignited.

Do not leave the machine and the fuel tank close to heating systems, radiant heaters, welding equipment and other sources of heat. Explosive hazard!

If, during operation, a defect in the tank, tank cap or in the fuel-carrying components (fuel lines) is detected, the engine must be stopped immediately. A specialist dealer must then be contacted.

Battery safety

Improper use of the battery and charger can result in an electrical shock or fire.

When Operating

Keep battery charger dry. Avoid exposing battery pack to rain or wet conditions.

- To reduce the risk of electrical shock, do not allow water to flow into AC plug.
- Do not short circuit; never place any object into the battery contacts.

When Charging Battery Pack

- Charge original battery pack only with original battery charger.
- Do not use battery charger to charge generic batteries.
- Keep battery charger dry. Avoid exposing battery pack to rain or wet conditions.
- To reduce risk of damage to electric plug and cord, pull by plug rather than cord when disconnecting charger.
- Do not operate charger with damaged plug or cord. The supply cord cannot be replaced. If the cord is damaged, the charger should be replaced 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.
- The charger is not intended for use by persons (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.
- Children should be supervised to ensure that they do not play with the charger.

When Storing Battery Pack

Keep battery charger dry. Avoid exposing battery pack to rain or wet conditions.

Before Performing Adjustments Or Repairs

Remove battery pack from engine battery tray.

WARNING

Battery chemicals are toxic and corrosive.

Fire or explosion can cause severe burns or death.

⚠ Safety information for ride-on mowers

Starting:

The machine must only be started from the driver's seat.

Start the machine on level ground, not on a slope.

The engine may only be started in a well ventilated working area, sufficient ventilation must be ensured, particularly in garages.

Before starting the engine, disengage the cutting tool, attachments and drive and press down the brake pedal fully.

When starting, it must be ensured that there is sufficient clearance between the feet and the cutting tool.

Do not start the motor if you are standing in front of the ejector chute.

Never lift or carry a lawnmower while the motor is running.

Operating the machine with excessive speed can increase the risk of accidents.

Never start the engine by short-circuiting the starter terminal. If the normal starter circuit is bypassed, the rideon mower may suddenly be set in motion.

Never start the engine if the smell of petrol can be detected – **Explosive hazard!**

Working:

⚠ Warning – Risk of injury!

Observe the working area of the mowing blade. Never put hands or feet on or underneath rotating parts. Never touch the rotating mowing blade. Always keep away from the discharge opening. An adequate safety distance must always be maintained.

Only work during the day or with good artificial light.

When driving off the lawn or when not mowing, the mowing blade must be disengaged and the mowing deck must be set to the highest cutting position.

Objects hidden in the turf (lawn sprinkler systems, posts, water valves, foundations, electrical wires, etc.) must be avoided. Never run over any such foreign objects.

Always hold the steering wheel firmly with both hands when driving.

Particular care must be taken when driving on lawns and other uneven surfaces, as the steering wheel can be made to turn due to holes, mounds, impacts, etc.

Risk of injury to hands and fingers!

Always drive at a reasonable speed.

Only empty the grass catcher box from the driver's seat.

Before emptying the grass catcher box, always disengage the mowing blade and wait until it has come to a standstill.

Switch off the drive, stop the engine and wait until the mowing blade has come to a complete standstill, engage the parking brake and remove the ignition key:

- before remedying blockages, including those in the discharge chute,
- before checking, cleaning or working on the ride-on mower,
- if the mowing blade has hit an obstacle. Inspect the machine and the cutting tool for damage and have any necessary repairs performed before re-starting.
- if the machine begins to vibrate excessively. It must be checked immediately.
- when abandoning or when transporting the machine.

Stop the engine and wait until the mowing blade has come to a complete standstill:

- before filling with fuel,
- before removing the grass catcher box.

Residual risks and accident prevention standards

Neglect of ergonomic principles

Negligent handling of personal protective equipment (PPE)

Negligent handling or omission of the personal protective equipment may cause serious injuries.

- Wear prescribed personal protection equipment.

Human behaviour, misbehaviour

- For any work be fully concentrated.

⚠ Residual risks - Cannot be entirely excluded.

Danger from noise

hearing damage

Prolonged unprotected work with the device may cause hearing damage.

- Always wear ear-muffs.

In case of emergency

In case of a possibly occurring accident take the necessary first aid steps as appropriate and obtain qualified medical aid as quickly as possible.

6. Technical data

Technical data	
Type engine	four stroke engine/air cooled
Cubic capacity	224 cm ³
Rotation speed	3100 min ⁻¹
Power	4,4 kW/ 6,0 PS
Fuel	Regular grade petrol/lead-free max. 5% bioethanol
Capacity tank	1,8 l
Motor oil	SAE 30 / 10W30
Capacity tank/oil	0,5 l
Cutting height adjustment	5-steps
Grass catcher box capacity	150 l
Cutting width	61 cm
Cutting height	35-75 mm
Weight	120 kg
Driving speed V	1,5, 2,0, 4,0, 6,0 km/h
Driving speed R	2,4 km/h
Front wheels	10x400-4
Tyre pressure, front wheels	1,5 bar
Rear wheels	13x500-6
Tyre pressure, rear wheels	1,8 bar
Li-ion Battery	
Rated voltage	20V
Minutes charging time	280min
Charging current	0,6 A
AC input of the charging unit (variable)	100 - 240 V
Battery capacity	2 Ah

Subject to technical changes!

Information concerning noise emission measured according to relevant standards:

Sound pressure level $L_{PA} = 84,7$ dB(A)

Uncertainty K = 3,0 dB(A)

Sound power level $L_{WA} = 96,59$ dB(A)

Uncertainty K = 1,69 dB(A)

Wear ear-muffs.

The impact of noise can cause damage to hearing.

Vibration a_h (left/right) = 3,662/3,522 m/s²

Vibration level in the seat, $a_h = 1,261$ m/s²

Uncertainty K = 1,5 m/s²

Reduce noise generation and vibration to a minimum!

- Use only equipment that is in perfect condition.
- Maintain and clean the equipment regularly.
- Adopt your way of working to the equipment.
- Do not overload the equipment.
- Have the equipment checked if necessary.
- Switch off the equipment when not in use.
- Wear gloves.

When using the petrol lawn mower for extended periods, vibration-induced circulatory problems may occur (white finger disease).

We cannot give exact details about the duration of use in this case because it is different for each individual.

The following factors can influence the condition:

- Circulatory problems in the user's hands
- Low outside temperatures
- Extended periods of use

We therefore recommend you wear warm work gloves and take regular breaks.

7. Before first use

Times of use

Please comply with statutory regulations, which may vary from location to location.

Make sure that you are familiar with the controls and operation of the machine. In particular, the user must know how the work tools and engine can be stopped quickly.

The machine must only be used by persons who have read the instruction manual and are familiar with operation of the machine. The user should seek expert and practical instruction prior to initial operation. The user must receive instruction on safe use of the machine from the vendor or another expert.

During this instruction, the user should be made aware

- that the utmost care and concentration are required for working with the machine.
- that a ride-on mower which is sliding down a slope cannot be brought under control by applying the brake.

The main causes for the loss of control over the ride-on mower include:

- inadequate adhesion of the wheels,
- driving too fast,
- inappropriate braking,
- incorrect use (sport events, etc.),

- inadequate knowledge of the effects associated with ground conditions, especially on slopes (see section „Workplace safety“, „Working on slopes“),
- incorrect attachment of loads and poor load distribution.

Check the fuel system (particularly visible parts such as e.g. tank, tank cap, hose connections) before operating the machine. In the event of any leaks or damage, do not start the engine – **firehazard!** Have the machine repaired by a specialist dealer prior to operation.

Defective and all other worn or damaged parts must be removed before using the machine. Replace any illegible or damaged danger signs and warnings on the machine.

The screwed-on discharge port (discharge chute on mowing deck) must always be securely fastened to the mowing deck. It must not be damaged and, if necessary, it must be replaced by a technician.

The braking function must be checked before each use.

Before each use, check whether:

- the cutting tool and the entire cutting unit (mowing blade, blade clutch, blade brake, retaining pin, mowing deck housing) are in good condition. Particularly check for secure fastening, damage and wear.
- the tank cap is securely attached.
- the tank and fuel-carrying parts, as well as the tank cap are in good condition.
- the safety devices are in good condition and function correctly.
- the tyres (inflation pressure, damage, wear) and frame are in good condition. Check that all screw connections are securely fastened. In particular, all maintenance operations listed in the maintenance schedule under the heading “Before each use” must be carried out.

If necessary, consult a specialist dealer.

Preparing the area to be mowed

Before mowing, carefully examine the area. Remove stones, sticks, bones, wires, toys and other objects that may be ejected.

Ensure that no other people are present on the surface to be mowed

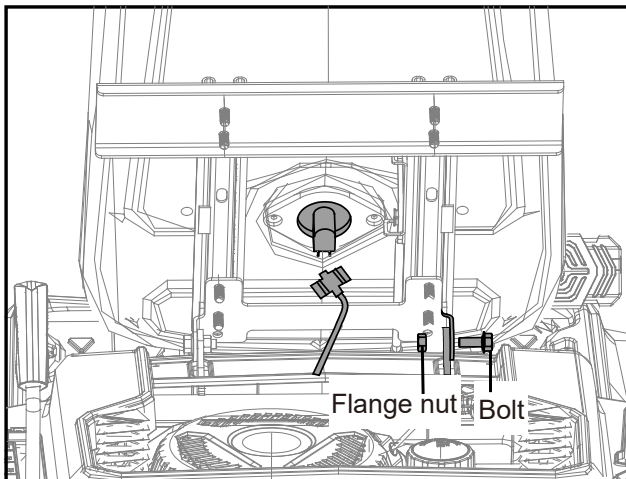
Montage

Some parts of the mower come disassembled. For quick and easy assembly, read and follow the instructions below.

Remove the lawnmower and attachments from the packaging and check if all parts are available.

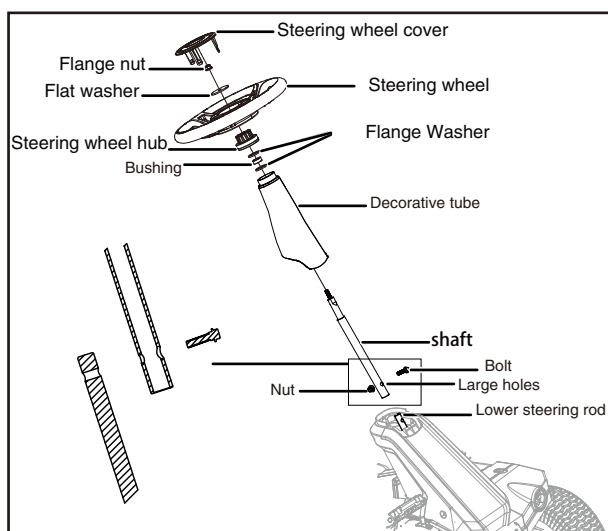
Install the Seat

- Remove the bolts and flange nuts from seatmounting brackets.
- Place the seat assembly over the mounting brackets, aligning the holes as shown.
- Reinstall and securely tighten the bolts and flange nuts.
- Connect the seat safety cable to the plug on the mower.



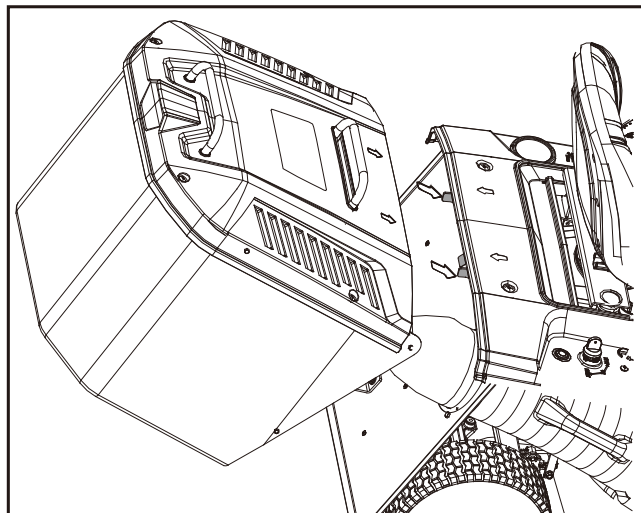
INSTALLING THE STEERING COLUMN

- Put the shaft into the lower steering rod to align the shaft and lower steering rod mounting holes. (The large holes are at the front). After inserting the bolts, tighten them with Flange nut. The recommended torque is $25 \pm 2 \text{ N.m}$.
- After installing the shaft, put the decorative tube on the shaft.
- Put flange Washer, bushing, flange Washer, Steering wheel hub on the shaft.
- Then install steering wheel and flat washer in the order and direction as shown in the figure. The mounting points of the steering wheel and the steering wheel base are aligned and fixed with flange nut. The recommended torque is $24 \pm 2 \text{ N.m}$.
- Finally install Steering wheel cover on steering wheel.



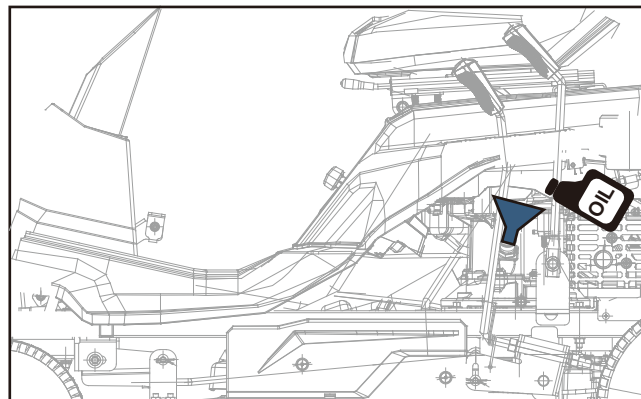
Install Grass Bag

Hang the grass bag to the hook (as figure)



Add engine oil

- Place the mower on a horizontal surface.
- Remove the filler cap. Place the funnel securely and add oil. Do not top off.
- Check dipstick to confirm adequate amount of oil.
- Secure the oil cap and wipe off any excess oil.



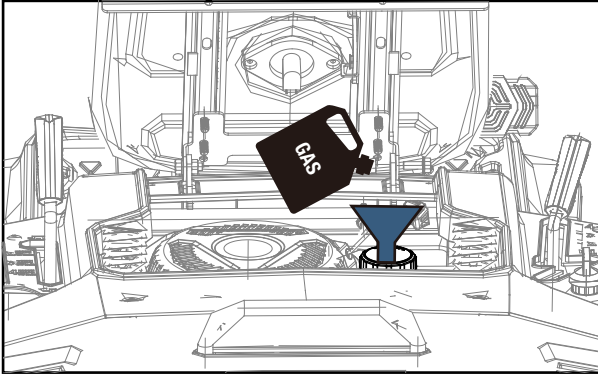
Add Gasoline

⚠ Risk of injury! Petrol is explosive!

- Switch off the engine and allow it to cool!
- Wear safety gloves!
- Avoid skin and eye contact!
- You must observe "safety instruction, handling petrol".
- Only refuel the tank outdoors or in sufficiently ventilated rooms.
- Fold the seat over.
- Clean the area surrounding the filling area. Impurities in the tank lead to operational faults.
- Carefully open the tank cap so that any possible excess pressure can be relieved.
- Carefully fill the petrol up to the lower edge of the filler neck.
- Close the tank cap again. Ensure that the tank cap is tightly sealed.
- Clean the tank cap and the surroundings.
- Check the tank and fuel lines for leaks.
- Move at least three meters away from the refuelling area before starting the engine.

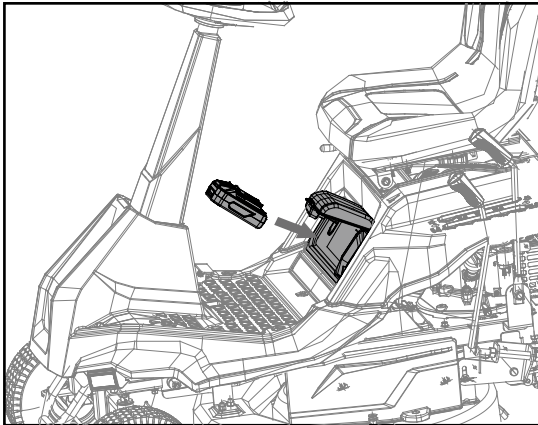
⚠ WARNING

Only use a safety petrol can. Do not smoke when refueling. Remove any oil or petrol residues. Switch off the engine before refueling and allow the engine to cool down for a few minutes.



Insert Battery

Open battery cap, then insert battery, close the cap (As figure)

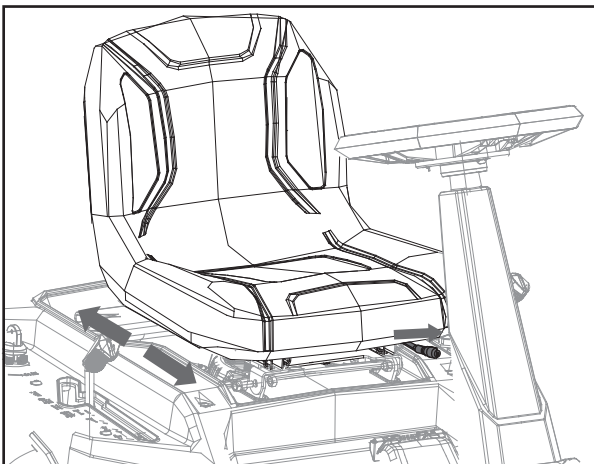


Adjusting the seat

Before operating the riding mower, adjust the seat position to ensure that your feet can step in the brake pedal and parking pedal firmly.

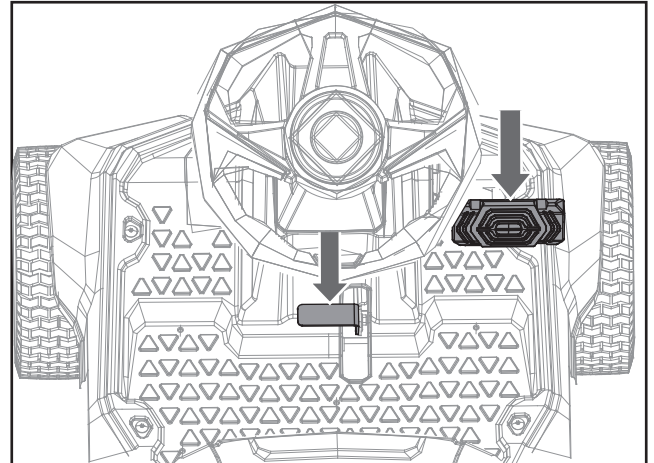
To move the seat:

- Turn key to STOP position and set the parking brake.
- Sit in seat, flip the seat adjustment lever in left orientation.
- While holding the lever, slide the seat to the desired position.
- Release the lever and make sure the seat is lock in position before operating the mower.



Engaging the parking brake

- Fully depress and hold the brake pedal, and depress the parking brake at the same time. Or firstly depress the parking brake, then fully depress the brake pedal.
- Release the brake pedal.
- Release the parking pedal.
- Turn off the machine and take out the key.
- If you need to unlock the parking brake, depress the brake pedal forcefully and hear a "click" or the parking brake pedal bounces, indicating that the unlocking is successful.
Note: The mower starts, the brake is in lock state, blade not working, the engine will not shut down when person leaves the seat. In any other case, once person leaves the seat, the engine shut down.

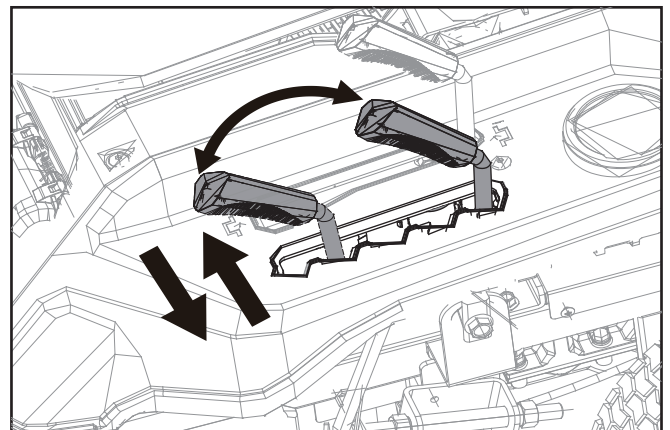


Setting the cutting deck height

Before using the riding mower, raise the height of the cutter head to the most suitable cutting position for your lawn.

- Stop the mower and disengage blades.
- Turn key to STOP position and press the parking brake.
- To raise the cutting deck, grasp the deck height adjustment lever, push right to disengage from slot, move toward the back of the mower, then push left into slot to secure.
- To lower the cutting deck, grasp the deck height adjustment lever, push right to disengage from slot, move toward the front of the mower, then push left into slot to secure.

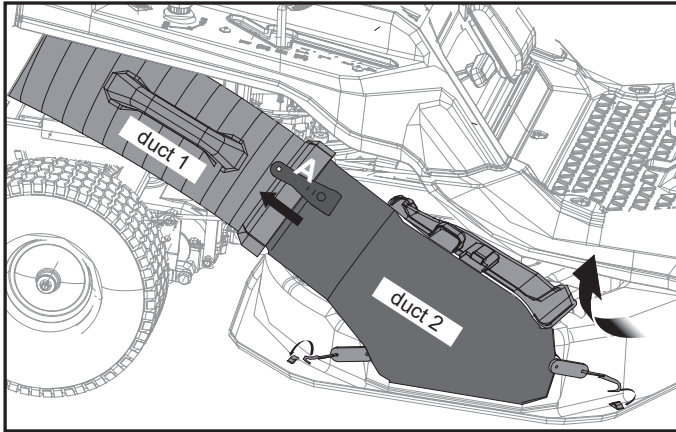
Note: When setting the height of the cutter head, grasp the handle of the height adjustment lever, only when it is fixed Release your hand only when you are in the required card slot. If the adjustment lever is released quickly, it may cause a danger of squeezing or pulling the operator's hand.



Install the rear duct

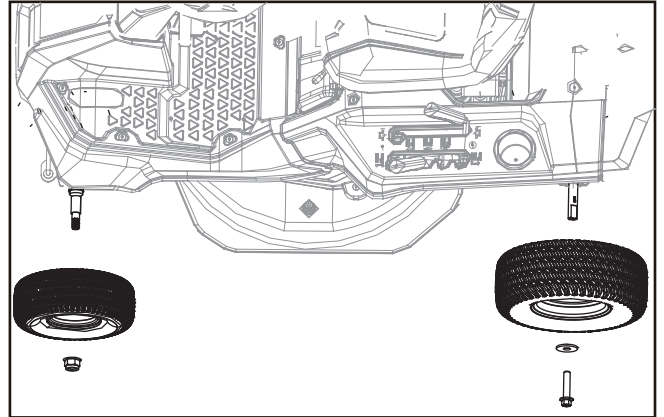
1. Adjust cutter (7) to lowest gear.
2. Insert the duct 1 to grass catcher deeply.
3. Hold the side cover switch and flip the side cover up.
4. Place duct 2 in bayonet.
5. Hang the two tension springs on the cutter deck.
6. Connect duct 1 to duct 2 and hang rubber A on side discharge chute.
7. Release the side discharge cover to secure the duct in position

Notice: The machine must be stopped during installation. ⚠



Installation of tire

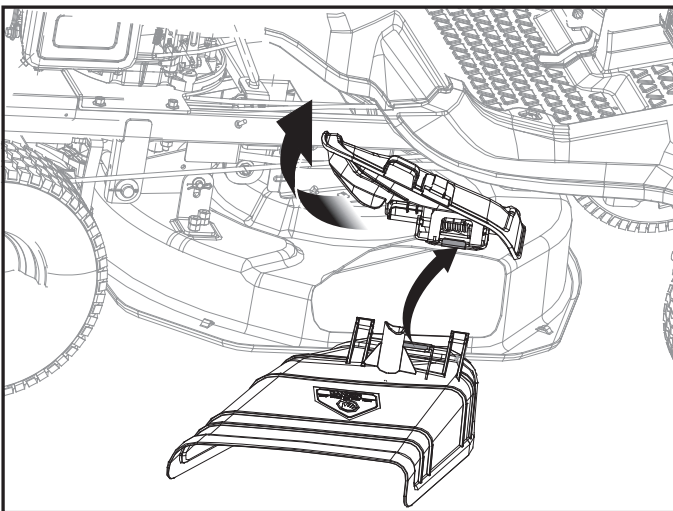
1. Park the lawnmower on the hard, level surface.
2. Let mower shut off completely, start the parking brake (16) to avoid machine moving during installation.
3. Install the tire as shown in the picture below, and tighten the front wheel with flange nuts; Rear wheels are fixed with washers and flange bolts. (Recommended torque is 22N.M)
4. When removing or installing tires, use a hard object under the front and rear Bridges of the lawn mower to avoid the toppling of the lawn mower during the replacement process, which may cause personal injury.



Assembling the side discharge chute

1. Adjust cutter (7) to lowest gear.
2. Hold the side cover switch and flip the side cover up.
3. Place side discharge chute to bayonet.
4. Release the side discharge cover to secure the duct in position

Notice: The machine must be stopped during installation.



8. Operation

⚠ ATTENTION!

Always make sure the device is fully assembled before commissioning!

Charge Battery Pack

Improper use of the battery and charger can result in an electrical shock or fire.

When Charging Battery Pack

- Charge battery pack only with original battery charger.
- Do not use battery charger to charge any other types of batteries.
- Keep battery charger dry. Avoid exposing battery pack 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:
 1. That pins on plug of extension cord are the same number, size, and shape as those of plug on charger;
 2. That extension cord is properly wired and in good electrical condition; and
 3. That wire size is a minimum of 16 AWG to allow for AC ampere rating of charger.
- Do not operate charger with damaged plug or cord. The supply cord cannot be replaced. If the cord is damaged, the charger should be replaced 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.
- The charger is not intended for use by persons (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.
- Children should be supervised to ensure that they do not play with the charger.

When To Charge Battery Pack

As Required - To check available charge, press the Battery Fuel Gauge button (A) and charge if required. See the Battery Fuel Gauge section.



How To Charge Battery Pack

1. Open the battery compartment (5) , remove the battery.
2. Connect battery charger to electrical outlet. A green light appears. Keep battery charger dry. Avoid exposing battery pack to rain or wet conditions.
3. Push the connector of the charging unit firmly into the rechargeable battery. Make sure the battery pack is firmly seated in the battery charging bay.
4. A completely discharged rechargeable battery needs about five hours to be fully charged. The battery pack will stay fully charged if left on the charger.
5. To check available charge, press the Battery Fuel Gauge button .
6. When not in use, disconnect battery charger from electrical outlet.



Battery fuel gauge

To check available charge, press the Battery Fuel Gauge button .

The display lights will indicate the approximate amount of available charge remaining in the battery pack.

Display Lights	Available Charge
Three green lights	70% ~ 100%
Two green lights	10% ~ 70%
One green light	Less than 10%

⚠ CAUTION!

The engine does not come with oil in it. Therefore, ensure that you add 0,5 liters of oil before starting it up. Use normal, multigrade oil (SAE30). The oil level in the engine must be checked each time before mowing. You will also need to fill in petrol, as this is also not supplied upon delivery.

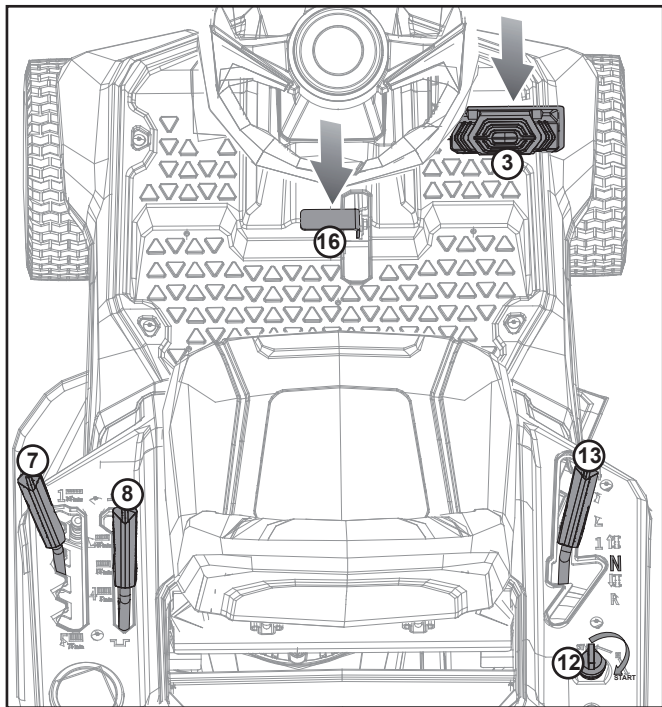
⚠ WARNING

Whenever you need to perform any kind of adjustment and/or repair work on your lawn mower, wait until the blade has come to a complete stop. Always switch off the engine before carrying out any adjustments, maintenance or repairs.

Start the engine with the e-start

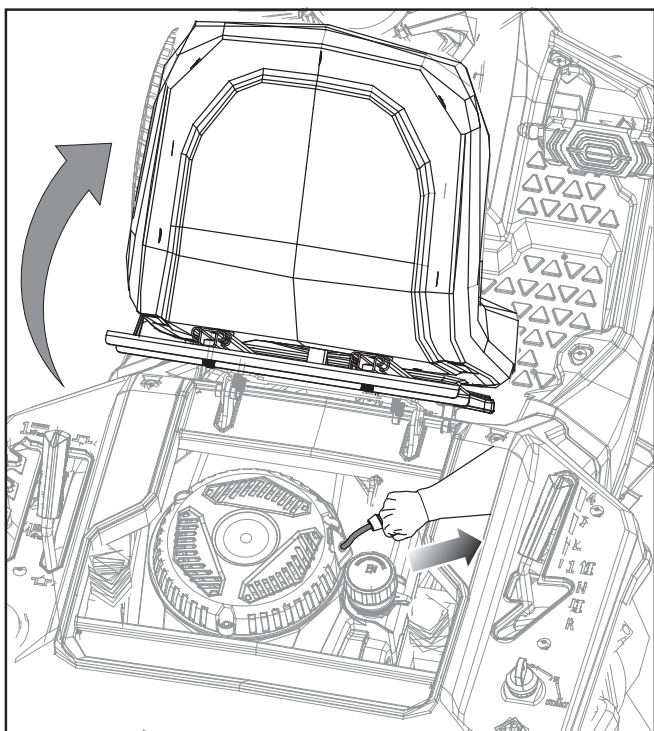
- Check the motor oil level. See “oil level check” section.
- Engage the catching bag (9).
- Depress the brake clutch pedal (3) completely and activate the locking brake (16).
- The cutter (8) must be shut off.
- Set the desired cutting height (7)
- Set the gear lever (13) to neutral “N”
- Turn the ignition key (12) to “start” until the motor starts, then leave it at the “on” position.

- Throttle handle (14) controls the speed of engine.



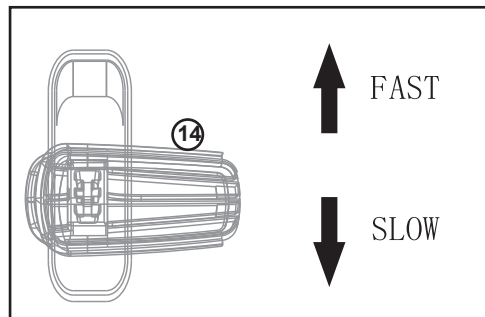
Start the engine with the start cable

- Check the motor oil level. See “oil level check” section.
- Engage the catch bucket (9).
- Depress the brake pedal (3) completely and activate the locking brake (16).
- The cutter (8) must be shut off.
- Set the desired cutting height (7)
- Set the gear lever (13) to neutral “N”
- Turn the ignition key (12) to “ON”
- Fold the seat up and pull the start cable
- Attention: In case of cool weather, it may be necessary to repeat the starting process numerous times.
- Do not permit the start cable to slam back into place.
- Fold the seat closed.



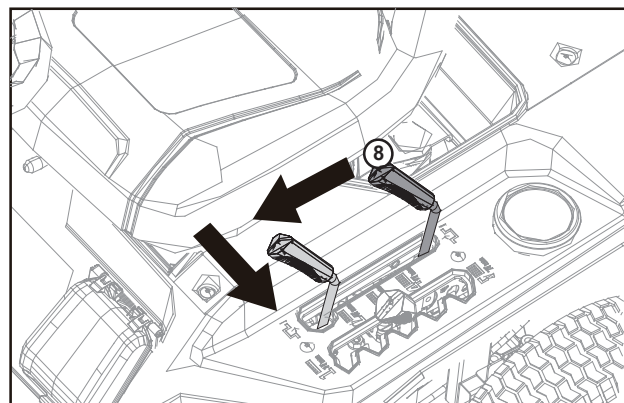
DRIVE WITHOUT MOWING

- Depress the brake pedal (3) completely, and the locking brake (16) unlocks itself.
- Move the gas lever (14) in the “FAST” direction to increase the throttle.
- Engage the desired gear.
- Release the brake pedal (3) slowly to mobilise the lawnmower slowly.
- Attention! Only change gears while stopped.(The engine can no shut off.)



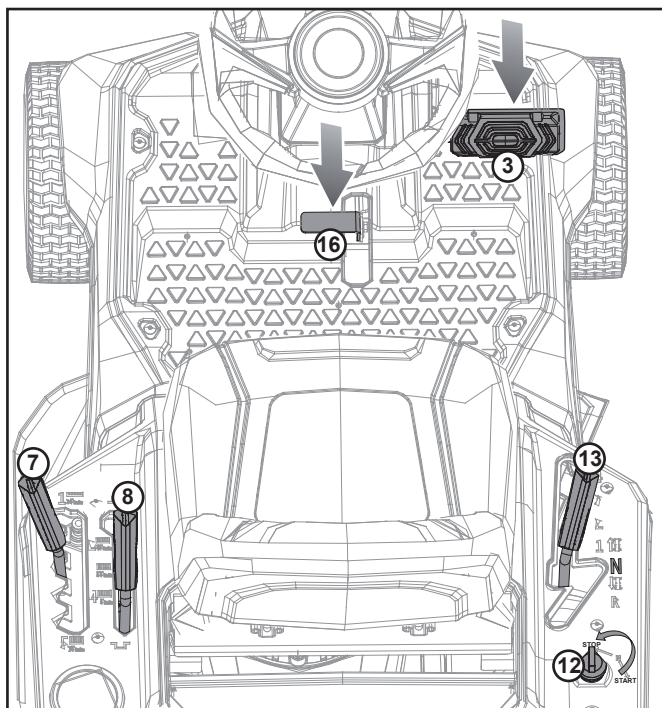
Driving with mower

- Depress the brake pedal (3) completely, and the locking brake (16) unlocks itself.
- Move the gas lever (14) in the “FAST” direction to increase the throttle.
- Slowly move the cutter switch lever (8) to the forward, and when the mower is clutched, move to the left until it engages.
- Engage the desired gear.
- Release the brake pedal (3) slowly to mobilise the lawnmower slowly.
- Attention! Only change gears while stopped.(The engine can no shut off.)



Shut off the lawnmower

- Depress the brake clutch pedal (3) completely and activate the locking brake (16).
- Switch off the cutter by pulling the lever (8) to the right and back
- Set the gas lever (14) to the “SLOW” stationary throttle
- Turn the ignition key (10) to the “stop” position.
- Set the desired cutting height (7)
- Always remove the ignition key (12) when leaving the lawnmower.



Tips for proper mowing

Working on slopes:

Slopes are one of the major causes of accidents in which control over the ride-on mower is lost causing it to tip over, which can result in severe or even fatal injuries.

There is no „safe“ slope! Driving on grassy slopes requires special concentration. For safety reasons, the machine must not be used on slopes with an inclination of more than 10° (17.6 %). **Risk of injury!**

A slope inclination of 10° corresponds to a vertical height increase of 17.6 cm for a 100 cm horizontal distance.

Starting off or stopping on a gradient must be avoided.

Do not use the machine in places (slopes, ditches, etc.) where the ride-on mower can tip over or slide. The danger of tipping over or sliding increases if the ground is soft or damp.

Slopes must be driven on in a longitudinal direction. Driving transversely increases the danger of tipping over.

Do not change speed or direction abruptly when driving on slopes. Work in this type of situation requires calm, cautious and even operation of the ride-on mower.

Changes of direction on slopes must be avoided. Only turn on slopes if this is unavoidable. If possible, drive slowly and in a large curve in the down-slope direction.

Do not mow wet grass, particularly on slopes, as wheel grip is reduced on wet grass. The ride-on mower could slide and become uncontrollable for the user.

The gearbox must never be disengaged via the gear-box freewheel when driving on slopes.

Special care must be taken when operating attachments on slopes (altered weight distribution of the machine).

If the wheels start to slip or if the vehicle becomes stuck in the up-slope direction when driving on an incline, the mowing blade or the attachment must be disengaged. Then leave the slope by driving slowly downhill in a straight line.

Never try to stabilise the ride-on mower by pressing on the ground with your foot.

The weight of the grass catcher box increases the danger of the ride-on mower tipping over, particularly when it is full.

Never empty or lift the grass catcher box on an incline.

Stopping and parking

The ride-on mower must only be parked on a level surface. Make sure that the ride-on mower has come to a complete standstill before you dismount.

Beware of the cutting tool running on for several seconds before coming to a standstill.

Before leaving the driver's seat, disengage the mowing blade or the drive to the attachments, lower the mowing deck and all attachments, set all control levers to the neutral position, engage the parking brake, stop the engine and remove the ignition key.

Keep the ignition key in a place where only authorised persons can access it.

Tips for proper mowing:

- Pay attention to ensure that you do not run into or over anything that could damage the mower. The lawn mower could be damaged and/or the machine could inflict bodily injury.
- A hot engine, exhaust or drive unit can burn the skin if touched. Thus, do not touch these parts unless the mower has been switched off for a while and you know that they have cooled down!
- Insufficient daylight or even a insufficient level of artificial light is one reason not to mow.
- Check the mower, the blade and other parts if they have struck a foreign object or if the machine vibrates more than usual.
- Do not make any adjustments or repairs until the engine has been switched off. Pull the plug boot.(22).
- Pay special attention if you are mowing directly next to a street or are close by one (traffic). Always keep the grass chute pointed away from the street.
- Avoid mowing in places where the wheels have trouble gripping or mowing is unsafe in any other way.
- Before you back up, ensure that nobody is standing behind you especially little children, who are more difficult to see.
- When mowing over thick, high grass, select the highest cutting level and mow at a slower speed.
- Before you remove any grass or blockages of any kind, switch off the engine and pull the plug boot.
- Never remove any safety-related parts.
- Never fill the engine with petrol when it is hot or is running.

Mowing

Only use a sharp blade that is in good condition. This will prevent the grass blades from fraying and the lawn from turning yellow.

Try to mow in straight lines for a nice, clean look. Insodoing, the mowing swaths should always overlap each other by a few centimeters in order to avoid bare strips.

Keep the underside of the mower housing clean and remove grass build-up. Deposits not only make it more difficult to start the mower; they decrease the quality of the cut and make it harder for the machine to bag the grass. Always mow along inclines (not up and down). Slightly turning the front wheels up the hill while mowing will prevent the mower from sliding out of the straight line. Select the cutting height according to the length of the grass. If the lawn has grown quite a bit, mow over it several times so that no more than 4 cm of grass are cut at one time.

Switch off the engine before doing any checks on the blade. Keep in mind that the blade continues to rotate for a few seconds after the engine has been switched off. Never attempt to manually stop the blade. Regularly check to see if the blade is securely attached, is in good condition and is sharp. If the contrary is the case, sharpen the blade or replace it. In the event that the blade strikes an object, immediately switch off the lawn mower and wait for the blade to come to a complete stop. Then inspect the condition of the blade and the blade mount. Replace any parts that are damaged.

Empty the catch bucket (9) while seated

- Drive to the location where you would like to empty the catch bucket.
- Depress the brake pedal (3) completely.
- Shut off the cutter (8).
- Lift the catch bucket (9) by the handle so that it empties.
- Lower the catch basket (9) again



Disengage the catch bucket (9) for emptying

- Press the brake pedal (3) completely and activate the locking brake (16).
- Shut off the cutter (8).
- Set the gas lever (13) to neutral "N"
- Disengage the catch basket (9) and empty it.
- Engage the catch basket (9) again.

After mowing

- Always allow the motor to cool off before parking the lawnmower in an enclosed room.
- Remove grass, leaves, grease, and oil before storage. Do not store other objects on the mower.
- Check all screws and nuts before the next use. Tighten all loose screws.
- Empty the catch basket (9) before the next use.
- Remove the ignition key
- Make sure that the mower is not parked next to a source of danger. Escaping gas can cause explosions.
- Only original parts or parts approved by the manufacturer may be used for repairs (see address on guarantee certificate).
- In case of longer idle periods of the mower, empty the petrol tank with a petrol suction pump.
- Oil and service the device

9. Maintenance and cleaning

Maintenance and repairs

Before beginning cleaning, adjustment, repair and maintenance operations, park the machine on firm, level ground, engage the parking brake, stop the engine, allow it to cool down and remove the ignition key.

Allow the machine to cool down before working on or around the engine, exhaust manifold or muffler; this also applies in particular to all maintenance operations on the mowing deck. Temperatures of 80 °C and above can be reached.

Danger of burns!

Direct contact with engine oil can be dangerous. Engine oil must not be spilled.

Cleaning:

Following operation, the entire ride-on mower and the attachments must be cleaned. In particular, all grass residues must be removed because the moisture these contain leads to damage in the long term.

Clean the device with water as follows.

- Place the hose connection piece onto the water connection (6) of the mower and open the tap.
- Start the mower and switch off again after about 30 seconds. The rotating blade bar throws the water onto the bottom of the mower and thus cleans it.
- Turn off the tap and remove the hose connection .
- Clean the top with a cloth (do not use any sharp objects).

Note: Dirt and grass is easiest to remove immediately after you have finished mowing the grass. Dried on grass and dirt can result in poorer mowing performance. Check that the grass chute is free of any residual grass. Remove any such residue.

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.

Never drive close to an edge or a ditch for the purpose of cleaning (e.g. the frame of) the ride-on mower.

In order to prevent fire hazards, keep the engine, cooling ribs, battery compartment, area around the fuel tank and exhaust free from grass, leaves or escaping oil (or grease).

Always clean the grass catcher box.

Maintenance operations:

Only maintenance operations described in this instruction manual may be carried out. Have all other work performed by a specialist dealer. If you do not have the necessary expertise or auxiliary equipment, please always contact a specialist dealer.

We recommend: Have maintenance work and repairs completed by specialist dealers only.

The ride-on mower and all attachments should be inspected once annually by a specialist dealer.

Always keep warning and information stickers clean and readable. Damaged or missing stickers must be replaced by new, original plates. If a component is replaced with a new component, ensure that the new component is provided with the same stickers.

For safety reasons, fuel-carrying components (fuel line, fuel cock, fuel tank, tank cap, connections, etc.) must be checked regularly for damage and leaks and replaced by a technician if necessary.

The machine is equipped with numerous safety devices. These devices must not be removed or modified (bypassed, etc.) and must be checked at regular intervals. Operations on the safety devices must only be carried out by a technician.

Ensure that all nuts, pins and screws, especially the blade fastening screw, are securely tightened, so that the machine is in a safe operating condition.

For safety reasons, worn or damaged parts must be replaced immediately.

Check the grass catcher unit (e.g. grass catcher box, discharge chute) regularly for wear, damage or loss of functionality.

Particular care is required when working under the machine, due to the weight of the ride-on mower.

Check the secure fastening of the front and rear wheels.

Always maintain the ride-on mower and the attachments in perfect operating condition. All safety devices must be present and be in perfect operating condition.

Ensure that the tyres have the correct tyre pressures. The tyre pressures specified in the instruction manual must not be exceeded.

Only perform work on the cutting unit when wearing thick work gloves and exercising extreme care.

Check the function of the brakes at regular, short intervals and, if necessary, have the required adjustments or maintenance operations performed by a technician.

⚠ WARNING

Never work on or touch conducting parts on the ignition unit with the engine running. Always pull the spark plug boot from the spark plug before starting any work of care or maintenance. Never perform any work on the machine while it is running. Any work not described in these Operating Instructions must be performed by an authorized service workshop only.

Wheel axles and wheel hubs

These should be lightly greased once a season.

Blade

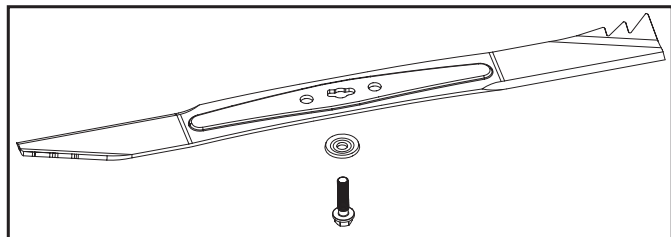
For safety reasons you should only ever have your blade sharpened, balanced and mounted by an authorized service workshop. For optimum results it is recommended that the blade should be inspected once a year.

Change the blade

When changing the cutting tool, only use original replacement parts.

Wear gloves to avoid cut injuries while changing the blade. Never install another blade.

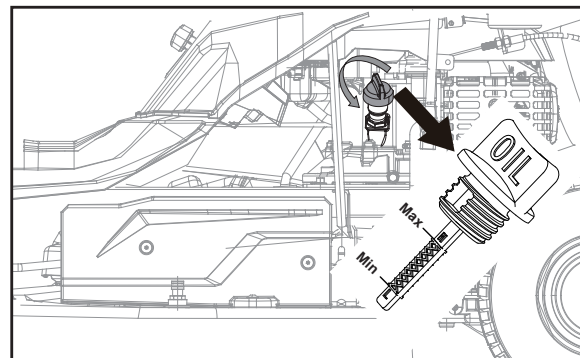
- Remove the ignition key.
- Remove the screw to replace the blade.
- Install everything as described in fig. Fasten the screw correctly. The fastening torque is 65 Nm. Replace the screw and washer, as well, if you replace the knife.



Checking the oil level

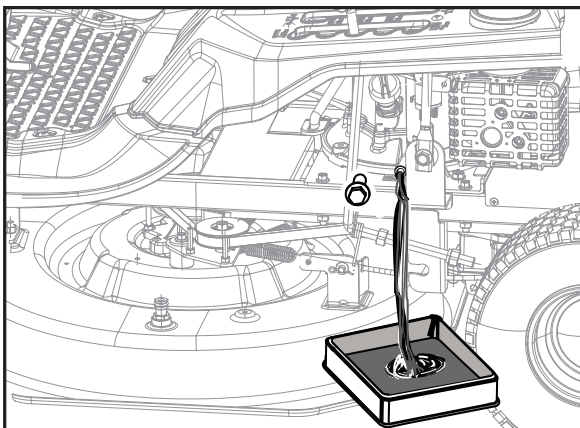
⚠ CAUTION! Never run the engine with no or too little oil. This could cause severe damage to the engine. Use only SAE30 engine oil.

- Position the lawnmower on a straight, level surface.
- Remove the ignition key (12)
- Remove the oil dipstick (20) by turning it to the left, then wipe off the dipstick.
- Screw in the dipstick up to the limit stop again in the filling nozzle.
- Pull out the dipstick and read the oil level horizontally. The oil level must be positioned between the max and min of the oil dipstick (20).



Oil change

- The motor oil change should be completed annually before the start of the season while the motor is at operating temperature and shut off.
- Only use motor oil (SAE 30).
- Position the lawnmower on a straight, level surface.
- Remove the ignition key (10)
- Clean the area around the oil dipstick.
- Slowly unscrew and remove the oil dipstick.
- Place an oil pan (or suitable container) under the oil drain bolt.
- Remove the oil drain bolt and allow the oil to drain.
- After the oil has drained completely, suggest to replace the oil drain bolt.
- Refill the oil as described.
- Replace the oil dipstick and hand-tighten.
- Clean up any spilled oil.
- Dispose of the used oil in accordance with applicable regulations.

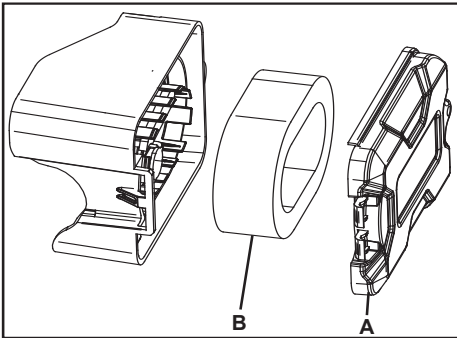


Air filter maintenance

Fouled air filters (19) diminish the motor performance due to reduced air supply to the carburettor. Regular inspection is therefore essential.

The air filter should be checked every 50 operating hours and cleaned as required. The air filter must be checked more often in case of very dusty air.

- Before check air filter, fold the seat first.
- Open the air filter.
- Open air filter cover (A) ,Remove air filter element (B).
- Clean the paper filter (B) with compressed air only or by knocking them out.

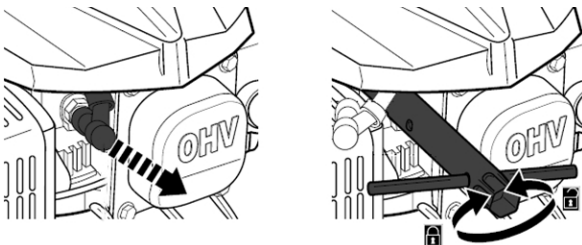


Important: Never clean the air filter with petrol or in flammable cleaning agents. Clean the paper filter with compressed air or simply by knocking out any soiling.

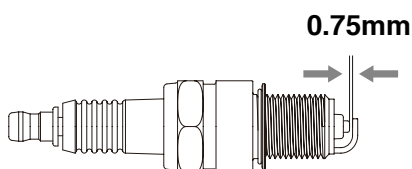
Maintenance of the spark plug

Check the spark plug for dirt and grime after 10 0hours of operation and if necessary clean it with a copper wire brush. Thereafter service the spark plug after every 50 hours of operation.

Pull off the spark plug boot with a twist. Remove the spark plug (22) with a spark plug wrench



Using a feeler gauge, set the gap to 0.75mm(0.030"). Refit the spark plug (22) taking care not to overtighten.

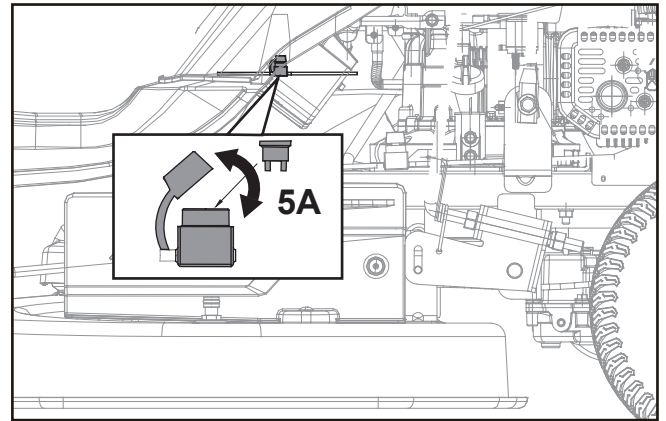


Replace fuse

- The electrical start is protected with a 5 A fuse.
- Never use another fuse or bypass the fuse.

Replace fuse

- The electrical start is protected with a 5 A fuse.
- Never use another fuse or bypass the fuse.
- Find the fuse under the forward/reverse gear.



Battery Pack and Charger

Damp areas can cause corrosion of terminals and electrical contacts. If stored for long periods in high temperatures (120° F / 50° C), permanent damage to the battery pack can result. Check electrical terminals and contacts on battery packs and charger. Wipe with clean cloth or blow clean with compressed air.

After storage, a normal charge may be required. To check available charge, press the Battery Fuel Gauge button and charge if required. See the Battery Fuel Gauge section.

Tyre pressure:

Check the tyre pressure prior to starting!

The correct tyre pressure is 1.5 bar in the front wheels and 1.8 bar in the rear wheels.

Important: If the tyre pressure is too low, the risk of damage to the valves and therefore the hoses increases.

Repairs

After any repair or maintenance work, check that all safety-related parts are in place and in proper working order. All parts which may cause injury must be kept where they are inaccessible to children or others.

Important: In accordance with product liability legislation we are not liable for any damages caused by improper repairs or the use of spare parts that are not original spare parts or parts approved by us.

In addition, we are also not liable for any damages arising from improper repairs. Such work should be performed by a customer services workshop or authorized specialist. The same applies to accessory parts.

Service information

Please note that the following parts of this product are subject to normal or natural wear and that the following parts are therefore also required for use as consumables. Wear parts*: Spark plug, air filter, petrol filter, blade, vbelt, battery, blade, tyres

* Not necessarily included in the scope of delivery

10. Storage

Store the device and its accessories in a dark, dry and frostfree place that is inaccessible to children. The optimum storage temperature lies between 5 and 30 °C.

Store the operating manual with the tool.

- Never store the machine with petrol in the tank inside a building in which fuel vapours may come into contact with naked flames or sparks
- Allow the engine to cool before storing it.
- In order to reduce the risk of fire, keep the engine, exhaust, battery box and the area surrounding the fuel tank free of grass, straw, moss, leaves or escaping grease.

Preparing the mower for longterm storage Caution: Do not empty the petrol tank in enclosed areas, near fire or when smoking. Petrol fumes can cause explosions and fire.

- Empty the petrol tank with a petrol suction pump.
- Start the engine and let it run until any remaining petrol has been used up.
- Open battery cap and remove battery.
- 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.
- Remove the spark plug from the cylinder head.
- Fill the cylinder with approx. 20ml of oil from an oil can.
- Slowly pull back the starter handle, which will bathe in the cylinder wall with oil.
- Screw the spark plug back in.
- Clean the cooling fins of the cylinder and the housing.
- Be sure to clean the entire machine to protect the paint.
- Store the machine in a well-ventilated place.

Battery Pack and Charger

When not in use, disconnect charger and store in a cool, dry area. Wet, damp areas can cause corrosion of terminals and electrical contacts. If stored for long periods in high temperatures (120° F / 50° C), permanent damage to the battery pack can result. Check electrical terminals and contacts on battery packs and charger. Wipe with clean cloth or blow clean with compressed air.

After storage, a normal charge may be required. To check available charge, press the Battery Fuel Gauge button and charge if required. See the Battery Fuel Gauge section.

Incorrect storage can damage the battery and is excluded from the guarantee.

Transport

Transporting the ride-on mower

On account of its own weight, the ride-on mower can cause severe crush injuries. Particular care must be taken when loading or unloading the ride-on mower onto/from a vehicle or trailer for transport purposes.

This ride-on mower must not be towed. For transporting on public roads, a suitable vehicle or a suitable trailer must be used.

Secure the ride-on mower on a loading area during transport. Always engage the parking brake.

Prior to transporting or storage, disengage the drive to the mowing blade or attachments.

When transporting the machine, always observe regional legislation, especially regarding load security and the transport of objects on load floors.

Allow the machine, in particular the engine and muffler, to cool down completely after loading and before further transport. The load floor and the area around the muffler and engine must be kept free of combustible materials such as straw, leaves or dry grass residues.

Always remove the ignition key.

11. Disposal and recycling

The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled. The equipment and its accessories are made of various types of material, such as metal and plastic. Defective components must be disposed of as special waste. Ask your dealer or your local council.

Old devices must not be disposed of with household waste!



This symbol indicates that this product must not be disposed of together with domestic waste in compliance with the Directive (2012/19/EU) pertaining to waste electrical and electronic equipment (WEEE). This product must be disposed of at a designated collection point. This can occur, for example, by handing it in at an authorised collecting point for the recycling of waste electrical and electronic equipment. Improper handling of waste equipment may have negative consequences for the environment and human health due to potentially hazardous substances that are often contained in electrical and electronic equipment. By properly disposing of this product, you are also contributing to the effective use of natural resources. You can obtain information on collection points for waste equipment from your municipal administration, public waste disposal authority, an authorised body for the disposal of waste electrical and electronic equipment or your waste disposal company.

Batteries and rechargeable batteries do not belong in the household waste!



As the consumer you are required by law to bring all batteries and rechargeable batteries, regardless whether they contain harmful substances* or not, to a collection point run by the local authority or to a retailer, so that they can be disposed of in an environmentally friendly manner.

*labelled with: Cd = cadmium, Hg = mercury, Pb = lead

- Remove the batteries from the mower before disposing of the machine and the batteries.

12. Troubleshooting

Troubleshooting

The table shows potential failures, their possible cause and removal options. However, if you are unable to remove the problem, contact a professional to assist you.

⚠ CAUTION!

Always switch off the engine and pull the ignition cable before starting any inspection or adjustment work.

⚠ CAUTION!

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. Thus, do not touch parts that emanate heat, as these may burn you.

Fault	Possible cause	Remedy
Loud while running, machine vibrates heavily	<ul style="list-style-type: none"> • Screws are loose • Blade fasteners are loose • Blade is unbalanced • V-belt damaged. • Discharge chute blocked. 	<ul style="list-style-type: none"> • Check screws • Check blade fasteners • Replace blade • Replace V-belt. • Clean discharge chute.
Engine does not start	<ul style="list-style-type: none"> • Incorrect start sequence • Brake lever not pressed • Speed lever not in "N" position • Spark plug is defective • Fuel tank is empty • Bowden cables too long • poor fuel, storage without emptying the petrol tank, incorrect petrol type • spark plug fouled (carbon residue on the electrodes), electrode distance too large • The spark plug is wet from the petrol (motor flooded). • Engine faulty 	<ul style="list-style-type: none"> • Check start process • Press brake lever • Check setting • Replace spark plug • Refill with fuel • Adjust the Bowden cables using the union nuts. • Empty the fuel tank and carburettor. Fill with fresh fuel. • Clean the plug, check the heat value of the plug, replace the spark plug as required, set to 0.6 - 0.8 mm • Dry the spark plug and insert it again. • Contact authorised customer service
Engine overheating.	<ul style="list-style-type: none"> • Dirty cooling ribs. • Engine oil level too low. • V-belt worn. 	<ul style="list-style-type: none"> • Clean cooling ribs. • Check the engine oil level and top up the engine oil if necessary. • Replace the V-belt.
Machine does not drive.	<ul style="list-style-type: none"> • Gearbox disengaged. • V-belt (gearbox) detached. • V-belt (gearbox) worn or defective. • Missing feather key between rear axle and rear wheels. 	<ul style="list-style-type: none"> • Engage the gearbox (freewheel lever). • Fit V-belt (gearbox). • Replace V-belt (gearbox). • Install feather key.
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
Poor cut, lawn turns yellow after mowing.	<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
The discharge of grass clippings is unclean	<ul style="list-style-type: none"> • Cutting height is too low • Blade is worn • Basket is clogged • Chute blocked • Grass too wet • Driving speed too high 	<ul style="list-style-type: none"> • Set correct height • Replace the blade • Empty the basket • Clean the ejector chute • Mow during dry weather • Choose a lower gear
The mower does not start with the electrical start	<ul style="list-style-type: none"> • Battery has discharged • Fuse burnt out 	<ul style="list-style-type: none"> • Charge the battery • Replace the fuse
Motor output drops during mowing	<ul style="list-style-type: none"> • The driving speed in relation to the cutting height is too high 	<ul style="list-style-type: none"> • Reduce the driving speed and increase the cutting height
Braking power insufficient	<ul style="list-style-type: none"> • The brake is no longer set correctly 	<ul style="list-style-type: none"> • Contact the specialist merchant/customer service