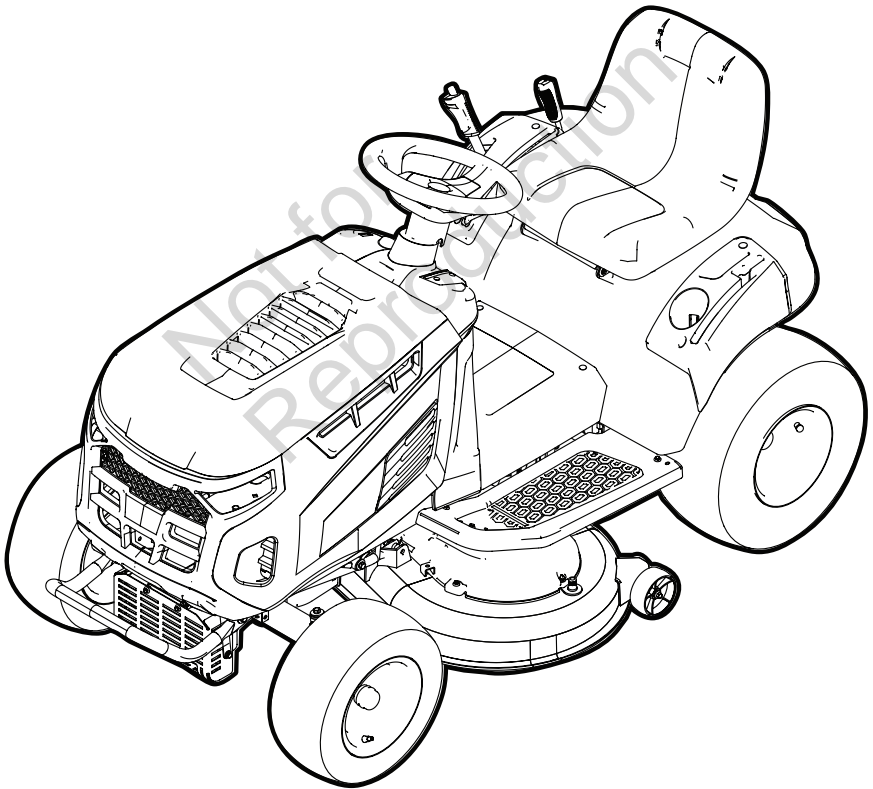




OPERATOR MANUAL

LAWN TRACTOR

2691870 2691871 2691872
2691977 2691978 2691979



WARNING! Read this manual before operating your product.



INTRODUCTION

Dear Customer,

Thank you for having chosen one of our products. We hope that you will get complete satisfaction from using your new machine and that it will fully meet all your expectations.

This manual has been written to help you become familiar with the machine and use it safely and efficiently. Do not forget that it is an integral part of the machine, so keep it close at hand for future reference and pass it on to the purchaser if you sell the machine.

This new lawn tractor has been designed and built in compliance with current standards, and is safe and reliable if used for cutting and mulching grass following the instructions given in this manual (**proper usage**). If you use the machine in any other way or ignore the instructions for safe use, maintenance and repair, it is considered **“incorrect usage”**. In this case, the warranty is automatically voided and the manufacturer is not held responsible for damage or injury to oneself or others.

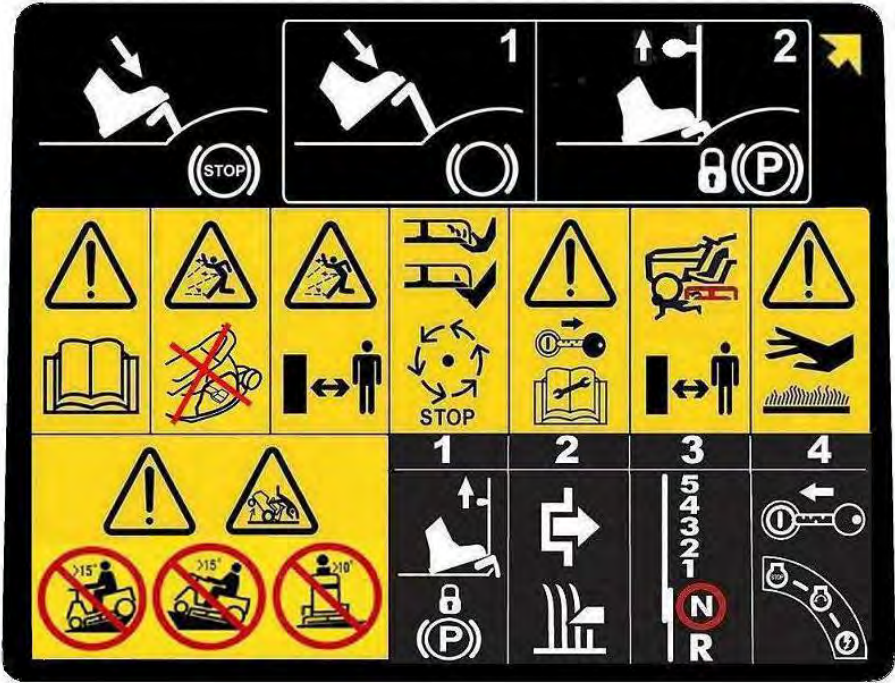
Since we regularly improve our products, you may find slight differences between your machine and the descriptions contained in this manual. Minor modifications may be made to the machine without notice and without the images or text in this user manual being updated, although the essential safety and function characteristics will remain unaltered. If in doubt, do not hesitate to contact your dealer. And now enjoy your work!

AFTER - SALES SERVICE

This manual gives all the necessary instructions for using the machine and carrying out basic maintenance.

Any adjustments or maintenance operations not described in this manual must be carried out by your authorised Victa service centre. They have the necessary knowledge and equipment to ensure that the work is done correctly without affecting the safety of the machine.

If you wish, you can contact your authorised Victa service centre and ask them to prepare a maintenance programme personalised to your needs. This will help you keep your new purchase in peak performance and maintain its value over time.



IMPORTANT

The lawnmower must always be used with utmost caution. So that safety precautions and operating instructions are always readily on hand, labels have been affixed to the machine showing pictographs illustrating the main operating precautions. Because these labels, according to applicable safety standards, are considered an integral part of the machine, the user is therefore responsible for replacing them in the event of their becoming detached or illegible.

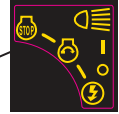
For any replacement, contact your dealer.



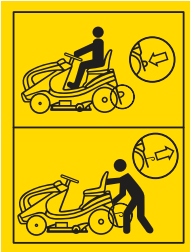
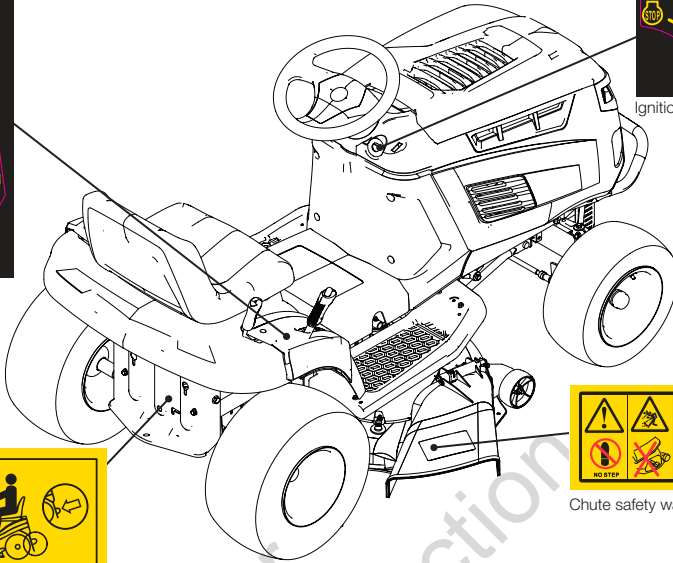
LABEL POSITION



Cutting height



Ignition & Headlights



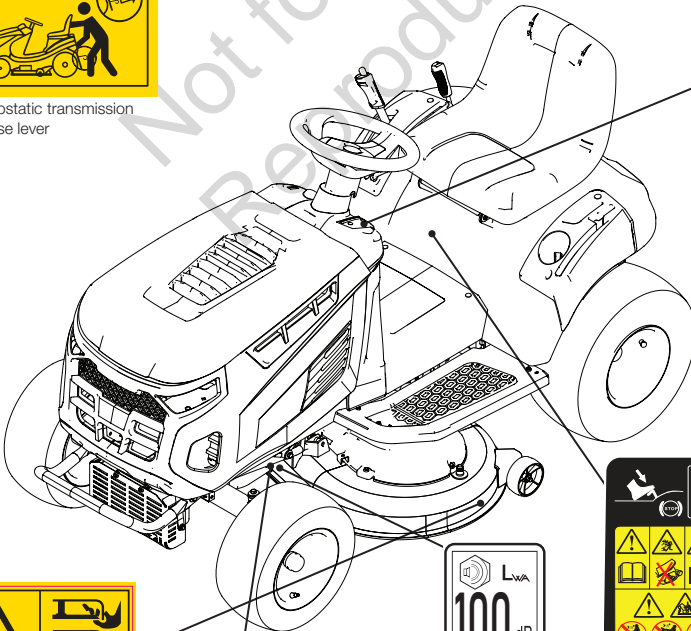
Hydrostatic transmission release lever



Chute safety warning



Throttle control



Cutting deck safety warning



Data tag











Sound power level



General safety & operation

TABLE OF CONTENTS



	Safety	6
	How To Read The Manual General Safety Regulations Safety Labels	
	Identification Of The Machine And Components	11
	Identification of the Machine	
	Unpacking and Assembly	12
	Unpacking Fitting The Steering Wheel Fitting The Seat Connecting The Battery Mounting The Deck Wheel Mounting The Front Bumper Fitting the mulch plug	
	Controls And Instruments	16
	Position and functions of all the controls	
	How To Use The Machine	19
	Safety Recommendations Why The Safety Devices Cut In Directions Before Starting Work Using The Machine Using The Machine On Sloping Ground Transporting Lawn Maintenance	
	Maintenance	28
	Safety Recommendations Programmed Maintenance Checks and Adjustments Dismantling and Replacement Lubrication	
	Specifications	34
	Technical Data Table Machine Dimensions	
	Notes	36



SAFETY

How To Read The Manual

Some paragraphs in the manual containing important information regarding safety and operation are emphasized in the following ways:

NOTE or **IMPORTANT** These give details or further information on what has already been said, in the aim to prevent damage to the machine.



WARNING Non-observance will result in the risk of injury to oneself or others.

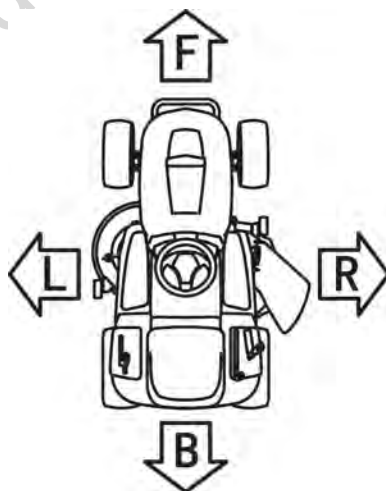


DANGER Non-observance will result in the risk of serious injury or death to oneself or others.

This manual describes various versions of the machine.

NOTE Positions on the machine, such as “front”, “back”, “left” or “right” hand side, refer to the direction of forward travel.

IMPORTANT For all operations regarding the use and maintenance of the engine or the battery not described in this manual, refer to the relevant manuals which form an integral part of all the documentation supplied with the machine.





General Safety Regulations



WARNING Read carefully before using the machine.

Training

- 1) **Read the instructions carefully.** Be familiar with the controls and how to use the equipment properly.
- 2) Never let children or people unfamiliar with these instructions use the machine. Local regulations can restrict the age of the user.
- 3) Never mow while people, especially children, or pets are nearby.
- 4) Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.
- 5) Do not carry passengers.
- 6) All drivers should seek and obtain professional and practical instruction. Such instruction should emphasise:
 - The need for care and concentration when working with ride-on machines;
 - You cannot use the brake to regain control of a ride-on machine sliding down a slope. The main reasons for loss of control are:
 - **Insufficient wheel grip;**
 - **Over speeding;**
 - **Inadequate braking;**
 - **The type of machine is unsuitable for its task;**
 - **Unawareness of the effect of ground conditions, especially slopes;**
 - **Incorrect hitching and load distribution**

Preparation

- 1) **While mowing, always wear sturdy footwear and long trousers.** Do not operate the equipment barefoot or wearing open sandals.
- 2) Thoroughly inspect the area where the equipment is to be used and remove all objects which can be ejected from the machine.
- 3) **DANGER! Petrol is highly flammable:**
 - Store fuel in containers specifically designed for this purpose.
 - Refuel outdoors only and do not smoke while refuelling.
 - 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.
 - If you spill petrol, do not start the engine and move the machine away from the area of spillage. Do not create any source of ignition until the petrol vapours have evaporated;
 - Put back and tighten all fuel tank and container caps securely.



SAFETY

- 4) Replace faulty mufflers.
- 5) Before use, always inspect the machine to check that the blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance.
- 6) On multi-bladed machines, remember that the rotation of one blade can cause other blades to rotate.

Operation

- 1) Do not start the engine in a confined space where dangerous carbon monoxide fumes can collect.
- 2) Mow only in daylight or good artificial light.
- 3) Before starting the engine, disengage the blades and shift into neutral.
- 4) Do not use on slopes of more than 10° (17%)
- 5) Remember there is no such thing as a “safe” slope. Travelling on grass slopes requires particular care. To guard against overturning:
 - do not stop or start suddenly when going up or downhill.
 - engage the drive slowly and always keep the machine in gear, especially when travelling downhill.
 - machine speeds should be kept low on slopes and during tight turns.
 - stay alert for humps and hollows and other hidden hazards.
 - never mow across the face of the slope.
- 6) Use care when pulling loads or using heavy equipment:
 - use only approved drawbar hitch points.
 - limit loads to those you can safely control, maximum load 200kg.
 - do not turn sharply. Use care when reversing.
 - use counterweight(s) or wheel weights whenever advised in the instructions manual.
- 7) Disengage the blades before crossing surfaces other than grass.
- 8) Never use the machine with damaged guards, or without the safety protective devices in place.
- 9) Do not change the engine governor settings or overspeed the engine. Operating the engine at excessive speed can increase the risk of personal injury.
- 10) Before leaving the driving seat:
 - disengage the blades.
 - go into neutral and apply the parking brake.
 - stop the engine and remove the ignition key.
- 11) Disengage the blades, stop the engine and remove the ignition key:
 - before clearing blockages or unclogging the grass chutes.



- before cleaning, checking or servicing the machine.
 - after striking a foreign object. Inspect the machine for damage and make repairs before restarting and operating the machine.
 - If the machine starts to vibrate abnormally (check for the causes immediately).
- 12) Disengage the blades for transport or whenever they are not in use.
 - 13) Stop the engine and disengage the blades:
 - before refuelling.
 - 14) Reduce the throttle during engine run-out.
 - 15) Watch out for traffic when crossing or near roadways
 - 16) Never direct discharge of material toward bystanders or allow anyone near the machine while in operation.

Maintenance and Storage

- 1) Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.
- 2) Never store the equipment with petrol in the tank inside a building where fumes may reach an open flame or spark.
- 3) Allow the engine to cool before storing in any enclosure.
- 4) To reduce fire hazards, keep the engine, silencer, battery compartment and petrol storage area free of grass, leaves, or excessive grease.
- 5) Check the grass-catcher frequently for wear or deterioration.
- 6) Replace worn or damaged parts for safety purposes.
- 7) If the fuel tank has to be drained, this should be done outdoors.
- 8) On multi-bladed machines, remember that the rotation of one blade can cause other blades to rotate.
- 9) When the machine is to be stored or left unattended, lower the cutting deck.



SAFETY

Safety Labels

Your machine must be used with care. This is why labels with illustrations have been placed on the machine, to remind you of the main precautions to take during use.

These labels are to be considered an integral part of the machine.

Should a label come off or become illegible, contact your dealer to replace it. Their meaning is explained below.

1. Warning

2. Warning: Read the operating and service instruction manual carefully.

3. Danger! Ejected objects: Keep bystanders away.

4. Warning: Disconnect the ignition key and read the instructions before carrying out any repair or maintenance work.

5. Hazard- The blades are sharp; risk of serious injury. Before carrying out any inspection, cleaning and repair operations on the cutting parts, stop the engine and take out the ignition key. Now disconnect the spark plug wire and keep the cap away from the plug to prevent accidental starting.

6. Hazard- The blades are sharp; risk of serious injury. Wait for the blade and all the moving parts to come to a halt before touching them. The blade will continue turning for some time after switching off the engine or disabling the blade control.

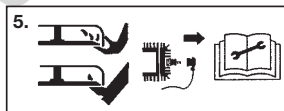
7. Warning - Risk of overturning on steep gradients.

8. Warning - Keep away from hot surfaces.

9. Warning - Risk of overturning on steep gradients.

Do not use the machine on lawns with gradients of more than 25% (14°).

Do not use the machine on lawns with side gradients above 15% (8°).



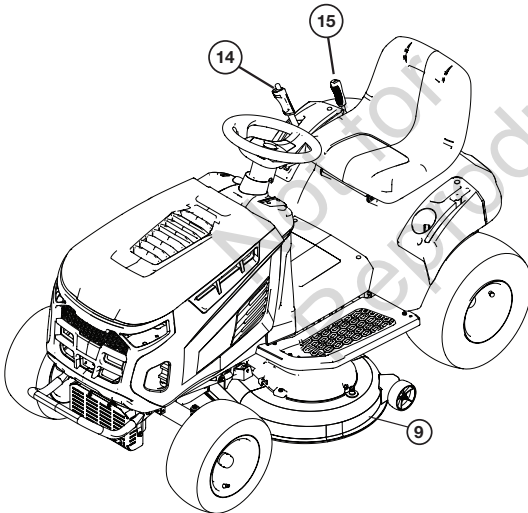
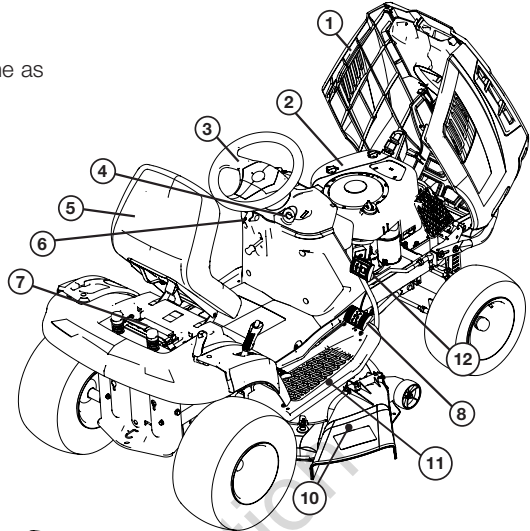
IDENTIFICATION OF THE MACHINE AND COMPONENTS



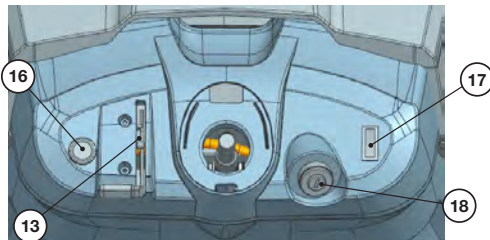
Identification of the Machine

The main components of the machine as following:

1. Engine cover
2. Engine
3. Steering wheel
4. Ignition key
5. Driving seat
6. Parking brake lever
7. Battery (under seat)
8. Drive pedals (forward/reverse)



9. Blade deck
10. Rotating blade
11. Discharge guard
12. Brake pedal
13. Engine throttle lever
14. Blade deck and cutting height adjustment up/down lever
15. Blade rotation engagement lever





UNPACKING AND ASSEMBLY

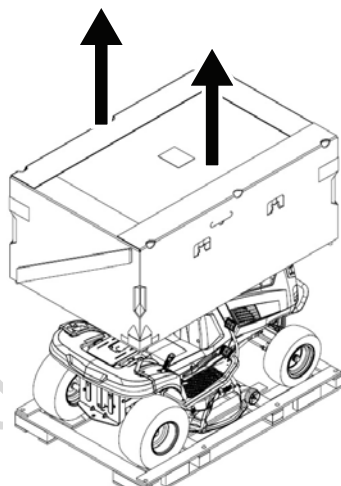
For storage and transport purposes, some components of the machine are not installed in the factory and have to be assembled after unpacking. Follow the instruction below.

IMPORTANT The machine is supplied without engine oil or fuel. Before starting the engine, fill with oil and fuel following the instructions given in the engine manual.

Unpacking

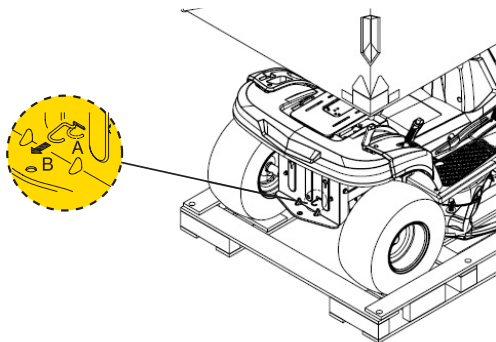
When unpacking the machine, take care to gather all individual parts and fittings, and do not damage the cutting deck when taking the machine off the pallet.

1. Remove strapping.
2. With 2 people, lift Top Frame and Carton Assembly up and place aside.



BEFORE REMOVING MACHINE FROM PALLET

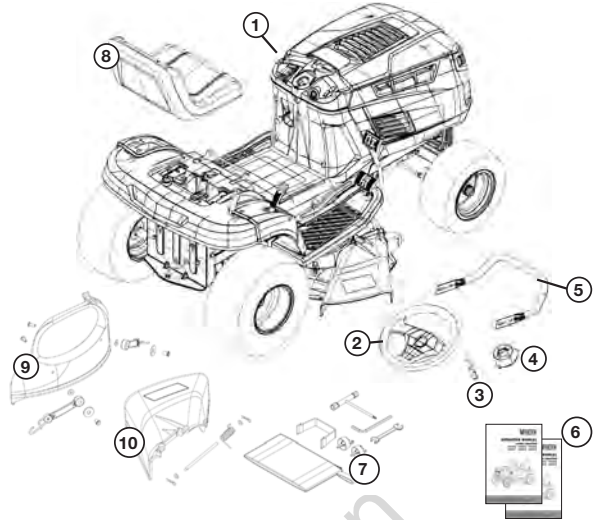
3. Remove and aside packed loose components
4. Raise cutting deck height to maximum to avoid damage to deck
5. Disengage transmission. Pull pin outwards (from position A) and lock down into slot (position B)
6. REQUIRES 2 PEOPLE - Lift front of machine and place blocks under front wheels
7. Lift back of machine and place blocks under rear wheels
8. Gently push machine FORWARDS off the pallet





The packaging contains

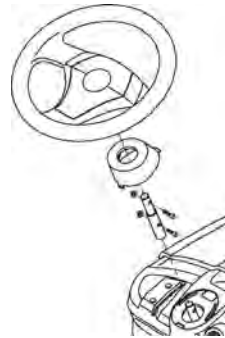
1. Machine body
2. Steering wheel
3. Steering connect shaft
4. Steering shaft cover
5. Front bumper
6. Instruction manuals
7. Accessory bag, tools, battery strap and starting keys
8. Seat
9. Mulch Plug
10. Side discharge chute kit



NOTE: To prevent damage to the cutting deck, raise it to its maximum height and take utmost care when taking the machine off the pallet.

Fitting The Steering Wheel

Put the machine on a flat surface and straighten up the front wheels. Fit the steering wheel onto the protruding shaft using the bolt and nut. Fit the steering wheel on to the steering connect shaft with the spokes directed towards the seat.



Fitting The Seat

Mount the seat on the plate using the screws





UNPACKING AND ASSEMBLY

Connecting The Battery



IMPORTANT The battery is supplied fitted (disconnected) in position under the seat.



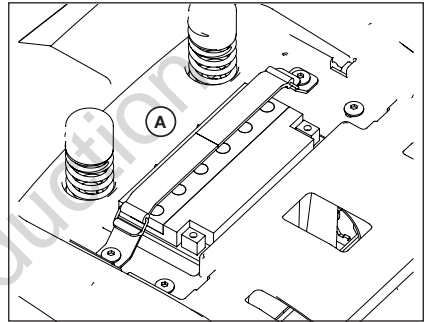
HAZARD: Batteries should never be put in the recycling bin or in your waste bin. If the battery needs to be replaced, contact local authorities or recycling facility for correct, safe disposal.



IMPORTANT: Position the battery with the polarities (+) and (-)

5) Connect the battery connectors to the machine connection leads and tighten the 2 screws. Then cover the protective cap for the 2 wire is in place.

6) Secure the battery with the rubber strap. **A**

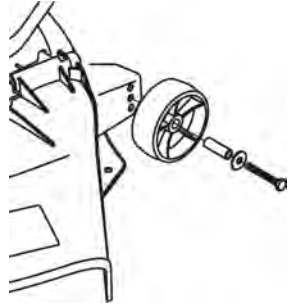


Not for
Reproduction



Mounting The Deck Wheel

Mount the two deck wheels on the deck using the bolts, bushing, washer and nuts.



Mounting The Front Bumper

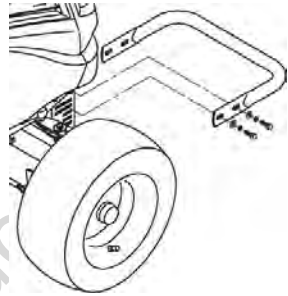
Mount the front bumper on the bottom of the frame using the four screws

Fitting the Mulch Plug



DANGER Always turn off engine when fitting or removing mulch plug.

Lift discharge guard and position mulch plug assembly over outlet hole in the cutting deck. Hook over clips.

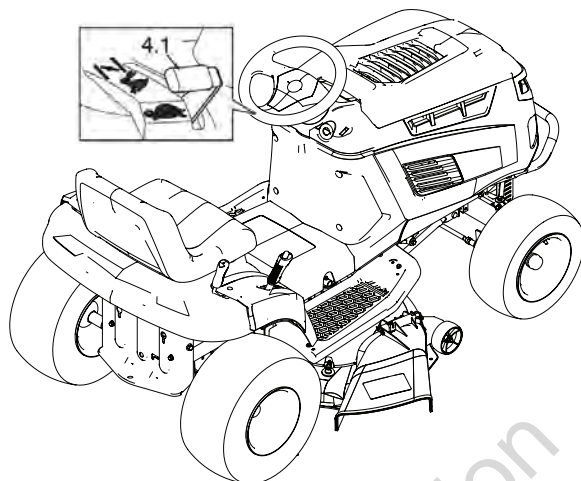


Not for
Reproduction



CONTROLS AND INSTRUMENTS

Position and functions of all the controls



Throttle Lever

This regulates the engine's revs. The positions are indicated on a plate showing the following symbols:



(SLOW) for minimum engine speed



(FAST) for maximum engine speed

- When moving from one area to another, put the lever in a position between **(SLOW)** and **(FAST)**.
- When cutting, shift into **(FAST)**.

Steering Wheel

Turns the front wheels




Headlight Switch

For turning on the headlights when the key is in the **(ON)** position



Key Ignition Switch

This key operated control has three positions:

-  **(OFF)** everything is switched off
-  **(ON)** activates all parts
-  **(START)** connects the starter motor.



If you release the key on **(START)**, it will automatically return to **(ON)**.

Brake Pedal

This pedal brakes the rear wheels.

NOTE When the machine is moving, keep your foot off the pedal.

Parking Brake Lever

With machine stopped:

- 1) Keep the brake pedal pressed.
- 2) Lift the parking brake lever and keep lifted.
- 3) Release the pedal.



 This way, the rear wheels remain braked. To release the parking brake, fully press the pedal (the parking brake lever is automatically released and returns to down position).

NOTE The engine only can be started at the parking position.



CONTROLS AND INSTRUMENTS

Blade Engagement Lever

Starts or stop blade rotation



Blade engaged



Blade disengaged

Cutting Height Adjustment Lever



Lifts or lowers the blade deck and thereby adjusts the grass cutting height.

There are seven positions for this lever (shown as (1) to (7) on the label), which correspond to various heights between 30 and 90 mm.

To go from one height to another, press the button on the handle and accompany the lever to the required position. When the button is released, the lever remains in the selected position.

Drive Engagement Pedal

NOTE Release parking brake before engaging the drive

This pedal engages drive to the wheels and also controls the machine speed.

When released, the pedal automatically returns to neutral 'N'

To engage forward drive press towards 'F'. Increasing pressure on the pedal increases the machine speed

To engage reverse drive press towards 'R'

WARNING! Reverse must only be engaged when the machine is stopped

Reverse Mowing Operation (RMO) Lever

For safety, when reverse is selected and blades are engaged the engine will stop.

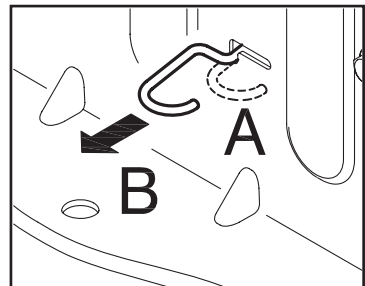
Activating RMO overrides the reverse shutdown. The RMO function will automatically deactivate when engine is restarted.

Hydrostatic Transmission release lever

This lever has two positions.

Push lever in (position 'A') to engage transmission for driving and cutting

Pull lever out (position 'B') to disengage transmission for manually pushing the machine with the engine off



IMPORTANT To avoid damage to the transmission, the engine must be off before engaging or disengaging the transmission engagement lever



Safety recommendations



DANGER The machine must only be used for the purpose for which it was designed (cutting and mulching grass).

Do not tamper with or remove the safety devices fitted on the machine.

Remember that the user is always responsible for damage and injury to others. Before using the machine:

- read the general safety regulations, paying particular attention to driving and cutting on slopes.
- carefully read the instructions for use, make sure you are familiar with the controls and know how to stop the blades and the engine quickly.
- never put your hands or feet next to or beneath the rotating parts and always keep away from the exit.
- Do not use the machine when in a precarious state of health or under the effect of medicine or any other substances that can reduce your reflex actions and your ability to concentrate.
- It is the user's responsibility to assess the potential risk of the area where work is to be carried out, and to take all the necessary precautions to ensure their own safety and that of others, particularly on slopes or rough, slippery and unstable ground.
- Do not leave the machine on high grass with the engine running to avoid the risk of starting a fire.



WARNING Do not use the machine on lawns with gradients of more than 15° (27%).

Do not use the machine on lawns with side gradients above 10° (18%). If the machine is likely to be used mostly on sloping ground fit counterweights beneath the cross-member of the front wheels. These improve stability at the front and reduce the chances of tipping over.

Why The Safety Devices Cut In

The safety devices work in two ways:

- They prevent the engine from starting if all the safety requirements have not been met.
- They stop the engine if even just one of the safety requirements is lacking.

To start the engine, it is necessary that:

- Operator must be present in seat, and
- The blades are not engaged and
- The parking brake is engaged.

The engine stops when:

- The operator leaves the seat.
- The blades are engaged and reverse gear is selected (unless RMO is in operation. See P 18 for details)



HOW TO USE THE MACHINE

Directions Before Starting Work

Before starting to mow, it is necessary to carry out several checks and operations to ensure you can work efficiently and in maximum safety.

Seat adjustment

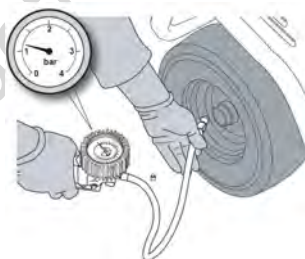
To change the seat position, loosen the four fixing bolts and slide it along the slots. Once you have found the right position, tighten the four screws.



Tyre pressure

Having the right tyre pressure is the main condition for ensuring that the cutting deck is horizontal and mows evenly.

Unscrew the valve caps and connect a compressed air line with a gauge to the valves. Refer to the Technical Data table on page 34 for tyre pressure specifications.

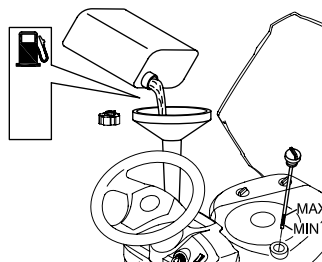


Checking the fuel and oil

NOTE The engine manual indicates what type of oil and fuel you can use.

With the engine off, check the oil level according to the instructions in the engine manual, this must be between the MIN and MAX marks on the dipstick.

Refuel using a funnel, but do not completely fill the tank. The tank's capacity is about 7.5 litres.



DANGER! Refuelling should be carried out in an open or well ventilated area with the engine off. Always remember that petrol fumes are inflammable.

DO NOT use a naked flame to look inside the tank and do not smoke when refuelling

IMPORTANT Do not drip petrol onto the

HOW TO USE THE MACHINE



plastic parts to avoid damaging them. In the event of accidental spills or leaks, rinse immediately with water. The warranty does not cover for damage to plastic parts of the bodywork or the engine caused by petrol.

Checking machine safety and efficiency

1. Check that the safety devices function as described
2. Check that the brake is in perfect working order.
3. Do not start mowing if the blades vibrate or if you are unsure whether they are sharp enough. Always remember that:
 - A badly sharpened blade pulls at the grass and causes the lawn to turn yellow.
 - A loose blade causes unwanted vibrations and can be dangerous.

WARNING Do not use the machine if you are unsure whether it is working safely or efficiently. If in doubt, contact your Dealer immediately to make the necessary checks and repairs.

Using The Machine

Starting

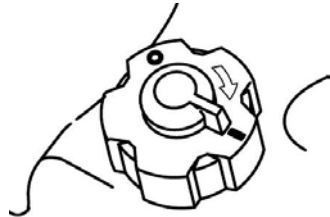


DANGER The engine must be started in an open or well-ventilated area!

ALWAYS REMEMBER THAT EXHAUST GASES ARE TOXIC!

To start the engine:

- open the fuel cap breather valve (to “ON”)
- close the engine cover
- lift the cutting deck raised as high as possible
- disengage the blades
- Operate the parking brake
- when starting from cold, move the throttle to the **(CHOKE)** position shown on the label
- if the engine is already warm, position the lever between **(SLOW)** and **(FAST)**
- put in the ignition key and turn to **(ON)** to make electrical contact, then turn to **(START)** to start the engine
- release the key once the engine has started. When the engine has started, move the throttle to **(SLOW)**.



NOTE If there are engine starting problems, do not crank the starter motor excessively as you can risk running the battery flat and flooding the engine. Turn the key to **(OFF)**, wait for a few seconds and then repeat the operation. If the malfunction persists, refer to the engine manual

IMPORTANT Always bear in mind that the safety devices prevent the engine from starting if safety requirements have not been met. In these cases, once the situation has been corrected, the key must first be turned back to **(OFF)** before the engine can be restarted.



HOW TO USE THE MACHINE

Starting and moving without mowing



WARNING This machine has not been approved for use on public roads. It has to be used (as indicated by the highway code) in private areas closed to traffic.

When moving the machine, the blades must be disengaged and the cutting deck raised as high as possible.

Position the throttle between **(SLOW)** and **(FAST)** release the parking brake, slowly press the drive pedal to start forward movement of the machine.

Gradually reach the desired speed using the throttle and by pushing the pedal down.

Stopping

First slow down the machine by releasing the forward drive pedal, and then push the brake pedal right down to lower the speed even more until the machine stops.

Reverse

Slowly release the forward drive pedal until the machine stops and then slowly press the reverse pedal to begin moving in reverse.

Grass cutting

To start cutting:

- move the throttle to **(FAST)**
- raise the cutting deck as high as possible;
- engage the blades
- start moving forwards on the grass very slowly and with utmost caution, as already described
- regulate the cutting height and speed considering the conditions of the lawn (the height, density and dampness of the grass)

WARNING When cutting on sloping ground, reduce your speed to ensure safe conditions.

Whatever the conditions, always reduce the speed if you notice a drop in engine speed. If



you travel too fast compared to the amount of grass being cut, you will not be able to mow the grass well.

Disengage the blades and raise the cutting deck as high as possible whenever you need to get past an obstacle.



End of mowing

When you have finished mowing, disengage the blades, lower the engine speed and ride the machine with the cutting deck raised as high as possible.

End of work

To stop the machine, move the throttle to **(SLOW)** and turn off the engine by turning the key to **(OFF)**.

When the engine has stopped, close the fuel cap breather valve.



WARNING To avoid backfire, position the throttle on **(SLOW)** for 20 seconds before stopping the engine.

Always take out the ignition key before leaving the machine unattended!

IMPORTANT To keep the battery charged, do not leave the key in the **(ON)** position when the engine is not running.

Cleaning the machine

After use, clean the outside of the machine.

Clean the plastic parts of the body with a damp sponge using water and detergent, taking care not to wet the engine, the electrical parts or the electronic circuit board located under the dashboard.

IMPORTANT Never use hose nozzles or harsh detergents to clean the bodywork or the engine!

Not for
Reproduction



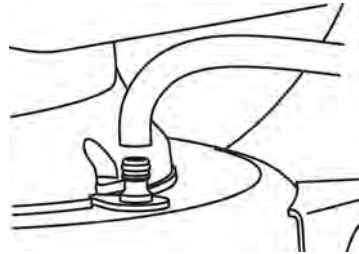
HOW TO USE THE MACHINE

When washing the inside of the cutting deck, the machine must be on firm ground with:

- the operator seated
- the engine running
- the transmission in neutral
- the blades engaged.

Connect a water hose to each of the pipe fittings (1) one at a time and run water through each one for a few minutes, with the blades moving.

When washing, the cutting deck should be lowered right down.



Storage and inactivity for long periods

If you intend not to use the machine for a long period (more than 1 month), disconnect the battery cables and follow the instructions in the engine instruction manual.

Empty the fuel tank by disconnecting the tube situated at the inlet of the fuel filter and follow the instructions in the engine manual.

WARNING Carefully remove any dry grass cuttings which may have collected around the engine or muffler to prevent their catching fire the next time the machine is used!



Put the machine away in a dry, sheltered place and preferably covered with a cloth.

IMPORTANT The battery must be kept in a cool and dry place. Before a long storage period (more than 1 month), always charge the battery, and then recharge before using again.

The next time the machine is used, check that there are no fuel leaks from the tubes, fuel or carburettor.



IMPORTANT To avoid activating the protection device:

- do not invert the leads on the battery terminals.
- do not use the machine without its battery or damage may be caused to the charging regulator.
- be careful not to cause short-circuits.

Summary of main steps to follow when using the machine

To ...	You must ...
Start the engine	Open the fuel cap breather valve, ensure that all the conditions allowing starting are met, and then turn the key.
Go forward	Release parking brake. Gradually press forward drive pedal NOTE: Transmission release lever must be completely pushed in (with engine off)
Brake or stop	Reduce the engine speed, gradually release drive pedal and press the brake pedal.
Reverse	Release parking brake. Gradually press reverse drive pedal
Cut the grass	Apply the throttle, engage the blades, adjust the cutting height, release parking brake. Gradually press forward drive pedal
Unblock the discharge chute	Stop moving forwards, disengage the blades and turn off the engine. Lift the discharge guard and clean out the chute
Finish mowing	Disengage the blades and reduce the engine speed.
Stop the engine	Reduce the engine speed, wait a few seconds, turn the key and close the fuel cap breather valve.
Store the machine	Engage the parking brake, remove the key and, if necessary, wash the machine and the inside of the cutting deck.



HOW TO USE THE MACHINE

Using The Machine On Sloping Ground

Only mow on slopes with gradients up to the maximum already mentioned



>15°



>15°



>10°

Lawns on a slope have to be mowed moving up and down and never across them. When changing direction, take great care that the wheels facing up the slope do not hit any obstacles (such as stones, branches, roots, etc.) that may cause the machine to slide sideways, tip over or make you lose control.



DANGER Reduce speed before any change of direction on slopes, and always apply the parking brake before leaving the machine at a standstill and unattended.



WARNING Start moving forwards very carefully on sloping ground to prevent the risk of tipping over. Reduce the forward speed before going on a slope, particularly downhill.



DANGER Never use reverse to reduce speed going downhill: this could cause you to lose control of the vehicle, especially on slippery ground.



Never ride the machine on slopes in neutral gear or with the clutch out! Always engage a low gear before leaving the machine stopped and unattended.

Transporting



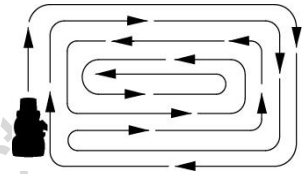
WARNING If the machine is transported on a truck or trailer, use suitable equipment for lifting and enough people for the weight involved and the type of lifting system used. The machine must never be lifted by rope and tackle. During transport, close the fuel cap breather valve, lower the cutting deck, apply the parking brake and fasten the machine securely with ropes or chains to the hauling device.

Lawn Maintenance

1. To keep a lawn green, soft and attractive, it should be cut regularly without damaging the grass. A lawn can be composed of different types of grass. If the lawn is cut frequently, grass and roots grow more vigorously, forming a solid grassy bed. If the lawn is cut less frequently, higher grass and weeds start growing (plus daisies and clovers, etc.).
2. It is always better to cut the grass when dry.



3. The blades must be in good condition and well sharpened so that the grass is cut straight without a ragged edge that leads to yellowing at the ends.
4. The engine must run at full speed, both to ensure a sharp cut of the grass and to get the necessary thrust to push the cuttings through the collector channel.
5. The frequency of mowing should be in relation to the rate of growth of the grass. The grass should not be left to grow too much between one cut and the next.
6. During hot and dry periods, the grass should be cut a little higher to prevent the ground from drying out.
7. The best height of the grass on a well-kept lawn is approx. 4-5cm. With one cut, you do not need to remove more than a third of the total height. If the grass is very tall, it should be cut twice in a twenty-four hour period - the first time with the blades at maximum height, possibly reducing the cutting width, and the second cut at the desired height.
8. When you mow large areas, start by turning to the right so that the cut grass will discharge away from shrubs, fences, drive-ways, etc. After one or two rounds, mow in the opposite direction making left turns until finished.
9. The appearance of the lawn will improve if you alternate cutting in both directions.
11. Be very careful when mowing near bushes or kerbs as these could distort the horizontal position of the cutting deck and damage its edge as well as the blades.



Not for
Reproduction



MAINTENANCE

Safety Recommendations



WARNING Before cleaning or doing maintenance work, take out the ignition key and read the relevant instructions. Wear adequate clothing and work gloves whenever your hands are at risk.



WARNING Never use the machine with worn or damaged parts. Faulty or worn-out parts must always be replaced and not repaired. Only use original spare parts: Parts that are not of the same quality can damage the equipment and affect your safety and that of others.

IMPORTANT Never dispose of used oil, fuel, batteries or other pollutants in unauthorised places!

Programmed Maintenance

Operation	Hours	Completed (Date or Time)					
MACHINE							
Check of fastening and sharpness of blades	25						
Blade replacement	100						
Transmission belt check	25						
Transmission belt replacement	-						
Blade belt check	25						
Blade belt replacement	-						
Drive adjustment and check	10						
Blade brake and engagement check	10						
Bolt and screw check	25						
General lubrication	25						
ENGINE							
Engine oil change	-						
Air filter cleaning and check	-						
Air filter replacement	-						
Fuel filter check	-						
Fuel filter replacement	-						
Spark plug contacts check and cleaning	-						
Spark plug replacement	-						



See the engine manual for the full list and frequency. At the first signs of wear, contact your dealer to replace the part. General lubrication of all joints should also be carried out whenever the machine is to be left unused for a long period.

The above table is there to help you maintain your machine's safety and performance. It shows the main maintenance and lubrication operations and their frequency. To the right of each item, there is a box where you can write the date or after how many operating hours the work was carried out.

WARNING All checks, adjustments and replacements not described in chapters 6.3 and 6.4 of this manual must be carried out by your Dealer or a specialized Service Centre. Both have the necessary knowledge and tools to ensure that the work is carried out correctly without affecting the safety of the machine.

Summary of main situations where servicing operation may be required

Whenever ...

The blades vibrate

The blades tear the grass and the lawn becomes yellow

The cut is uneven

The blades engage in an abnormal way

The machine does not brake

Forward movement is erratic

You will need to ...

Contact Your Dealer

Contact Your Dealer

Align the cutting deck

Contact Your Dealer

Contact Your Dealer

Contact Your Dealer

Engine

IMPORTANT Follow all the instructions in the engine manual. To empty the engine oil, unscrew the oil plug when refitting the plug, make sure the seal is positioned correctly.

Battery

The battery must be carefully maintained to ensure long life. The machine battery must always be charged:

- before using the machine for the first time after purchase.
- before leaving the machine disused for a long period.
- before starting up the machine after a long period of disuse.
- Carefully read and observe the battery recharging instructions. Failure in following the instructions or in charging the battery could permanently damage the battery cells.

A flat battery **must** be recharged as soon as possible.

IMPORTANT Recharging must be done using a battery charger at constant voltage Other recharging systems can irreversibly damage the battery.



MAINTENANCE

Checks and Adjustments

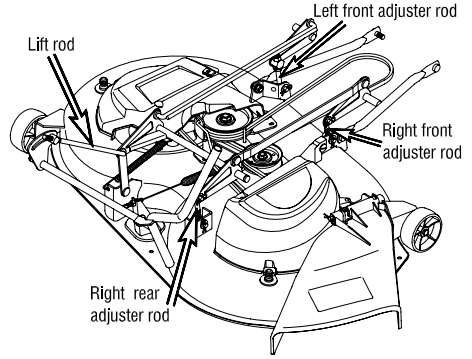
Cutting deck alignment

The cutting deck should be properly set to obtain a good cut.

NOTE For achieving good results from cutting, the front part should always be 5-6mm lower than the rear.

Put the machine onto a flat surface and check the tyre pressure.

Put 30mm blocks under the front edge of the deck and 35 mm blocks under the rear edge and then put the lifting lever into position **(2)**



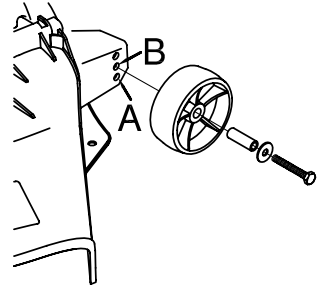
Adjust the left front adjuster rod, right adjuster rod and right rear adjuster rod keep the deck in touch with the blocks.

Adjust the lift rod keep the deck in touch with the blocks.

If needed, you can change the position of wheel to obtain a lower cut.

IMPORTANT In long, or thick grass lawn, you must set the wheel in the hole **(A)**

In case of any doubts, do not hesitate to contact your retailer.

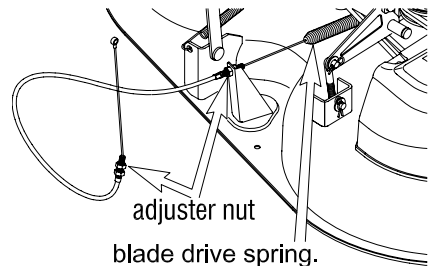


Cutting blade belt adjustment

IMPORTANT When disengaging the blades, all movement will stop within five seconds if the adjustment is correct. In case of any doubts, do not hesitate to contact your retailer.

To adjust the cutting blade belt tension: adjust the cable nut to reduce or increase the cable length accordingly. Then move the blade rotation engagement lever to the ENGAGE position and check the tension of the blade drive belt.

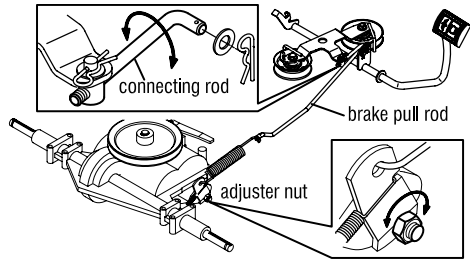
After operating with a new mower drive belt for several hours, check the tension of the blade drive spring.





Mower brake and drive clutch

Completely push the clutch/brake pedal forward set the parking brake. Push the unit. If the rear wheels rotate, adjust or replace the brake pads. Adjust the drive brake as follows.



1. The location of the drive brake is on the right side of the gearbox.
2. Make sure the parking brake is set and the shift lever is in neutral (N), Turn the hex nut in a clockwise direction until the rear wheels do not turn when the unit is pushed forward.
3. Release the parking brake and push the unit. If the unit does not roll, turn the hex nut in a counterclockwise direction until the unit rolls.
4. Set the parking brake. Push the unit if the rear wheels do not turn, the drive brake is correctly adjusted.
5. Release the parking brake, check the drive belt. Make sure the belt is installed correctly and is inside all the belt guides. Adjust the connecting rod until the brake pull rod is loose.
6. Set the parking brake, the drive belt must be loose and disengage.



WARNING! If you cannot correctly adjust the drive brake, replace the brake pads. Correct replacement parts and assistance are available from an authorized service centre.



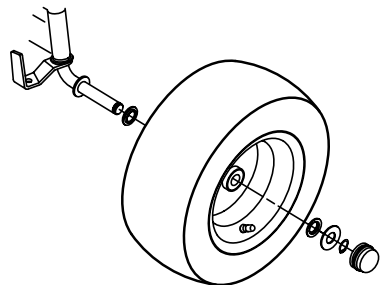
WARNING! Before you make an inspection, adjustment or repair to the unit, disconnect the wire to the spark plug. Remove the wire from the spark plug to prevent the engine from starting by accident.

Dismantling and Replacement

Replacing wheels

Stop the machine on flat ground and put a block under a load-bearing part of the frame on the side that the wheel is to be changed.

The wheels are held by a snap ring which can be eased off with a screwdriver.



NOTE If you have to replace one or both rear wheels, make sure they have the same diameter, and check that cutting deck is horizontal to prevent an uneven cut.



MAINTENANCE

IMPORTANT Before remounting the wheel, apply grease to the axle. Put the snap ring and supporting washer (2) back in place.

Replacing and repairing the tyres

The tyres are “Tubeless” and so all punctures must be repaired by a tyre repairer following the procedures required for this kind of tyre.

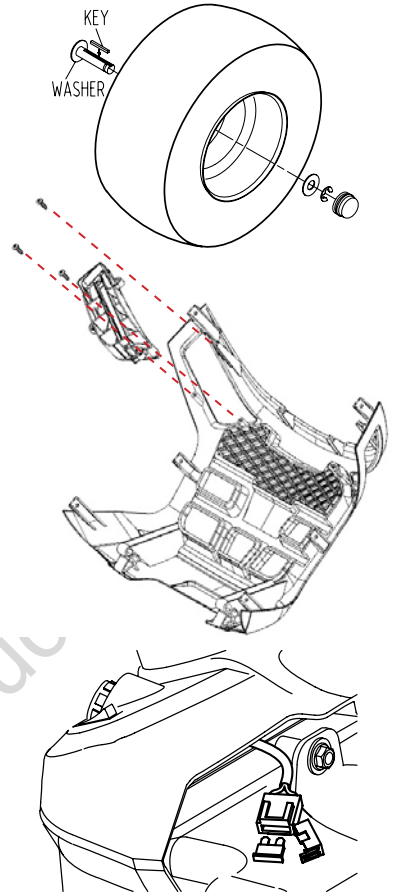
Replacing the headlights

The headlights are LEDs. To replace, disconnect LED wiring connector, remove headlight screws and replace.

Replacing a fuse

The machine is fitted with 10A fuses. When it blows, the machine stops, the dashboard light switches off, and the battery gradually runs out, the machine will have problems starting. Remove the fuse and replace with a same type fuse.

IMPORTANT A blown fuse must always be replaced by one of the same type and ampere rating, and never with one of another rating.



Dismantling, replacing and remounting the blades



WARNING Always wear work gloves when handling the blades. Before you inspect or remove the blade, stop the engine and disconnect the wire to the spark plug.



WARNING Damaged or bent blades must always be replaced; never try to repair them! Always use GENUINE spare parts replacement blades. Make sure the blades are correctly balanced.



1. Dismantling

Loosen anticlockwise the screw.

2. Original spare parts

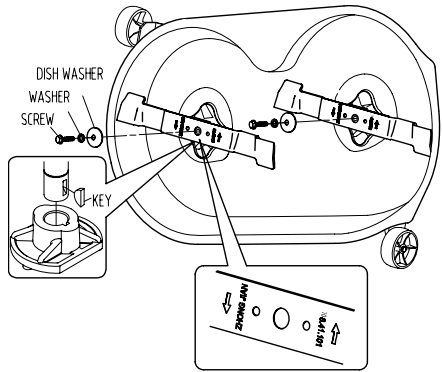
Only use GENUINE spare part replacement blades on this machine

3. Remounting

Make sure the printed code on the blade to face the operator who remounted the blade.

Check that the concave part of the disc washer presses against the blade.

Remount the shaft hubs, making sure the key are securely lodged in place.



4. Tightening the screws

Tightening clockwise with a torque wrench calibrated to 40-45N.m.

Replacing the belt

The belt replacement must be carried out at a Licensed Service Centre.



WARNING Replace the belts as soon as they show obvious sign of wear!

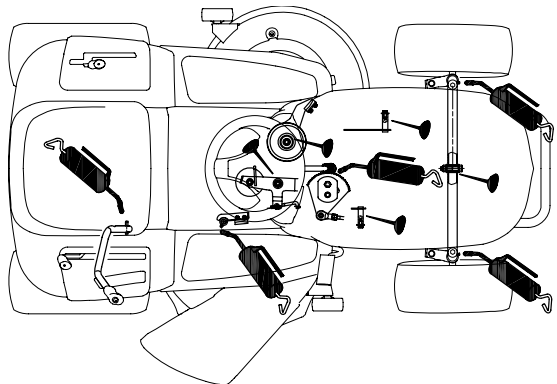
ALWAYS USE GENUINE REPLACEMENT BELTS!

Lubrication

Apply grease with a injector to the areas shown. Apply two or three shots of grease, and wipe off excess grease.

Lubricate the areas shown with engine oil, wipe the area clean, apply a few drops of oil then wipe up drips or spills.

IMPORTANT Do not dirty the belt or brake shoe or tyre with grease or oil, oil or grease will damage them.





SPECIFICATIONS

Technical Data

Model	2691870 / 2691977		2691871 / 2691978 / 2691979			2691872
Max. engine speed:	3000rpm					3600rpm
Cutting width:	98 cm		108 cm			
Dimensions	Refer Fig.1 (below)		Refer Fig.2 (below)			
Net weight	163 kg	168 kg	166 kg	173 kg	178 kg	173 kg
Gross weight	198 kg	203 kg	201 kg	208 kg	213 kg	208 kg
Sound power level (max)	L_{WA} : 100 dB(A)					
Vibration at handlebar (max)	a_h : 4.91m/s ² K_h : 0.13m/s ²					
Blade screw tightening torque	40 - 45 Nm					
Electrical system	12 V					
Battery	12V, 18Ah					
Cutting height (on 7 levels)	30 - 90 mm					
Front wheels	15 x 6.00-6					
Rear wheels	18 x 8.50-8					
Front wheel inflation pressure	14.5psi/100kPa					
Rear wheel inflation pressure	17.4psi/120kPa					
Forward speed (at nominal engine speed)	8.8±0.5km/h					
Reverse speed (at nominal engine speed)	4.5±0.5km/h					



Machine Dimensions

Fig.1. Dimensions 38" (98cm) Cutting width models

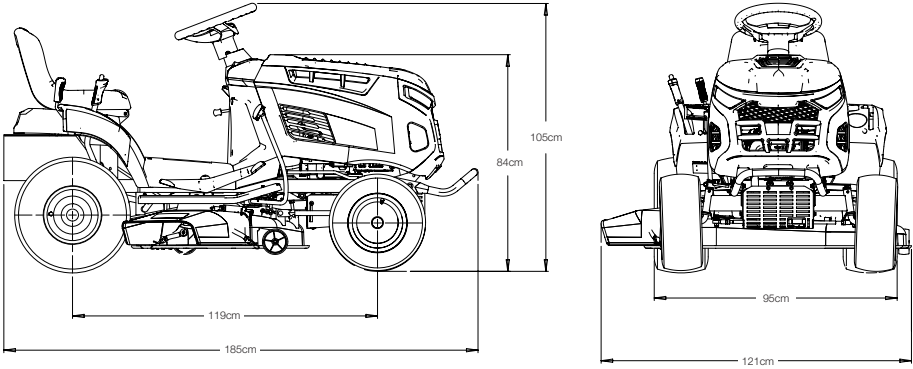
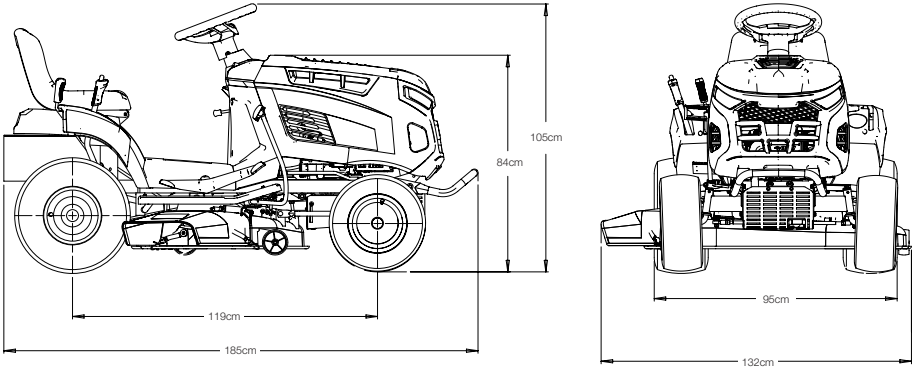


Fig.2. Dimensions 42" (108cm) Cutting width models





Not for
Reproduction

Not for
Reproduction

©2023 Briggs & Stratton

Victa is a trademark of Briggs & Stratton Australia Pty. Ltd.

ABN 13 006 576 856

All rights reserved. No part of this booklet may be reproduced by any means without prior written permission. All information herein is subject to change without notice.