

MJ 66



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**RIDE-ON MOWER
OWNER'S MANUAL**

WARNING!
Read this manual carefully before using the machine.

TRANSLATION OF THE ORIGINAL INSTRUCTIONS

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INTRODUCTION

1. PRESENTATION

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.

Nel caso dovesse riscontrare qualche leggera differenza fra quanto qui descritto e la macchina in suo possesso, tenga presente che, dato il continuo miglioramento del prodotto, le informazioni

If you should find any slight differences between the description and your own machine, bear in mind that, since there are continual improvements to the product, information contained in this manual may be modified without prior warning and without the obligation to update it, although the essential safety and function characteristics will remain unaltered. In case of any doubts, do not hesitate to contact your Retailer or a Licensed Service Centre.

2. DESCRIPTION OF THE MACHINE AND ITS RANGE OF USE

This machine is a garden tool and precisely a ride-on mower.
The machine is equipped with an engine which drives a cutting unit protected by a casing, as

well as a transmission unit that moves the machine.

The operator is able to operate the machine and use the main controls, always seated in the operator's position.

The devices fitted on the machine stop the engine and the cutting device within a few seconds, should the operator behave in a manner that does not comply with the necessary safety precautions.

Intended use

This machine was designed and built to cut grass.

The use of special accessories provided for by the Manufacturer as original equipment or which may be purchased separately, allows this work to be done in various operating modes, illustrated in this manual or the instructions that accompany the single accessories.

Likewise, the intended use can be amplified to include other functions by applying supplementary tools (if provided for by the Manufacturer), abiding by the restrictions and conditions indicated in the instructions accompanying the equipment.

Improper use

Any other usage not in keeping with the above-mentioned ones may be hazardous and harm persons and/or damage things. Examples of improper use may include, but are not limited to:

- transporting people, children or animals on the machine or on a trailer;

- towing or pushing loads without the use of the specific accessory for towing;
 - use of the machine for riding over unstable, slippery, icy, stony, rough, marshy ground or puddles that do not allow the consistency of the ground to be assessed;
 - using the blades on surfaces other than grass;
 - use of the machine for leaf or debris collection.
- Improper use of the machine will invalidate the warranty, relieve the Manufacturer from all liabilities, and the user will consequently be liable for all and any damage or injury to himself or others.

3. 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 Dealer or a -specialized Service Centre. Both 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 ask your dealer 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.


1. SAFETY

1.1 HOW TO READ THE MANUAL

The manual describes several machine models that can mainly differ in:

- type of drive: mechanical or hydrostatic;
- electric or manual start-up;
- presence of accessories or fittings

The symbol “” highlights all the differences in usage and is followed by the indication of the version that it refers to.

The symbol “” refers to another part of the manual where further information can be found.

1.2 SAFETY REGULATIONS

⚠ WARNING! *Read carefully before using the machine.*

A) TRAINING

- 1) Read the instructions carefully. Be familiar with the controls and the proper use of the equipment. Learn how to stop the engine quickly.
- 2) Never allow children or people unfamiliar with these instructions to use the machine. Local regulations may restrict the age of the operator.
- 3) Do not use the machine if the operator has taken medicine or substances that may impair his ability to react and be attentive.
- 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) The operator of a machine must carefully follow the driving instructions, particularly:
 - the need for care and concentration when using machines;
 - that control of a machine sliding on a slope will not be regained by the application of the brake. The main reasons for loss of control are:
 - insufficient wheel grip;
 - being driven too fast;
 - inadequate braking;
 - the type of machine is unsuitable for its task;
 - lack of awareness of the effect of ground conditions, especially slopes;
- 7) The machine is equipped with a series of safety microswitches and devices which must never be removed, altered or tampered with. Removing these devices invalidates the warranty and the manufacturer declines any responsibility.

Some paragraphs in the manual contain information of particular importance and these are highlighted at various levels of emphasis, and signify the following:

NOTE or

IMPORTANT *These give details or further information on what has already been said, and are aimed at preventing damage to the machine or causing damage.*

⚠ 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.*

B) PREPARATION

- 1) While mowing, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.
- 2) Thoroughly inspect the area where the equipment is to be used and remove all objects which may be thrown by the machine (stones, sticks, metal wire, bones, etc.)
- 3) **WARNING: DANGER!** - Engine fuel is highly flammable:
 - store fuel in containers specifically designed for this purpose;
 - refuel using a funnel and outdoors only. Do not smoke while refuelling or whenever handling the fuel;
 - add fuel before starting the engine. Never remove the cap of the fuel tank or add fuel while the engine is running or when the engine is hot;
 - if fuel is spilled, do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until the fuel has evaporated and the fumes dispersed;
 - replace caps of all fuel tanks and containers securely.
- 4) Replace faulty silencers.
- 5) Before using, always carry out a visual inspection, particularly of the blade, seeing that the screws and cutter assembly are not worn or damaged. Replace a worn or damaged blade and screws as a set to preserve balance.
- 6) Before working, attach the discharge opening guards (grass-catcher, side discharge guard or rear discharge guard).

C) OPERATION

- 1) Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect.
- 2) Mow only in daylight or with good artificial light in good visibility conditions. Keep persons, children and animals away from the working area.
- 3) If possible, avoid mowing wet grass. Avoid working in the rain and when there is a thunderstorm risk. the motor, disengage the blade, and shift into "neutral".
- 5) Be very careful near ravines, ditches or embankments.
- 6) Do not use on slopes of more than 10° (17%).
- 7) Remember there is no such thing as a "safe" slope. Travel 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.
- 8) Exercise extreme caution when operating in reverse.
- 9) Use care when pulling loads or using heavy equipment:
 - use only approved drawbar hitch points;
 - limit loads to those you can safely control;
 - do not turn sharply. Use care when reversing;
 - use counterweight(s) or wheel weights whenever advised in the instructions manual.
- 10) Stop the blade rotating and put the cutting deck into the highest position before crossing surfaces other than grass.
- 11) Never use the machine to cut grass if the guards are defective, or without the grass-catcher, the side discharge guard or the rear discharge guard in place.
- 12) Do not change the engine governor settings or overspeed the engine.
- 13) Before leaving the operator's position:
 - disengage the blade;
 - go into neutral and apply the parking brake;
 - stop the engine and remove the key
(⇒ *Electric start*).
- 14) Disengage the blade, stop the engine and remove key (⇒ *Electric start*):
 - before carrying out any work beneath the cutting deck or unclogging the collector channel;
 - before checking, cleaning or working on 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 (immediately check and remove the cause of the vibration).
- 15) Disengage the blade when transporting or not in use. Disengage the blade and wait for it to stop before emptying the grass-catcher.
- 16) Stop the engine and disengage the blade:
 - before refuelling;
 - every time the grass-catcher is removed or replaced;
 - each time the side discharge chute is removed or

re-fitted.

- 17) Reduce the throttle setting before stopping the engine and turn the fuel off at the conclusion of mowing, following the instructions in the manual.
- 18) Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.

D) MAINTENANCE AND STORAGE

- 1) Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition. Regular maintenance is essential for safety and for maintaining performance levels.
- 2) Never store the equipment with fuel in the tank inside a building where fumes may reach a flame or a spark or a source of extreme heat.
- 3) Allow the engine to cool before storing in an enclosed space.
- 4) To reduce the fire hazard, keep the engine, exhaust silencer, battery compartment and fuel storage area free of grass, leaves, or excessive grease. Always empty the grass-catcher and do not leave garden rubbish containers inside a room.
- 5) Frequently check the side discharge guard, or the rear discharge guard, the grass-catcher and the suction grid for wear and deterioration.
- 6) For reasons of safety, do not use equipment with worn or damaged parts. Parts are to be replaced and not repaired. Use genuine spare parts (the blade should always bear the symbol «GGP»). Parts which are not of an equivalent quality can damage the equipment and may adversely affect your safety.
- 7) If the fuel tank has to be drained, this should be done outdoors and when the engine is cool.
- 8) Wear strong work gloves when removing and re-assembling the blade.
- 9) Check the blade's balance after sharpening.
- 10) When the machine is to be parked, stored or left unattended, lower the cutting deck.
- 11) The ignition key must never be left inserted in the machine, or where children or persons not familiar to the machine may reach it. Before any maintenance or repair, remove the ignition key
(⇒ *Electric start*).

1.3 SAFETY DECALS

Your machine must be used with care. Pictograms have been placed on the machine to remind you of the main precautions to be taken during use.



- 1** **Warning:** Read Operator's Manual before operating this machine.



- 2a** **Electric Start**
Warning: remove the key and read the instructions before carrying out any maintenance or repairs.



- 2b** **Manual start**
Warning: disconnect the spark plug cap and read the instructions before carrying out any maintenance or repairs.



- 3** **Danger! Ejected objects:** Keep bystanders away.



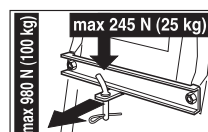
- 4** **Danger! Machine rollover:** Do not use this machine on slopes greater than 10°.



- 5** **Danger! Dismemberment:** Make sure that children stay clear of the machine all the time when engine is running.



- 6** **Risk of being cut.** Blade in movement. Do not insert hands or feet inside the blade housing.



1.4 REGULATIONS FOR TOWING

A kit for towing a small trailer is available on request. This accessory is to be fitted following the instructions provided.

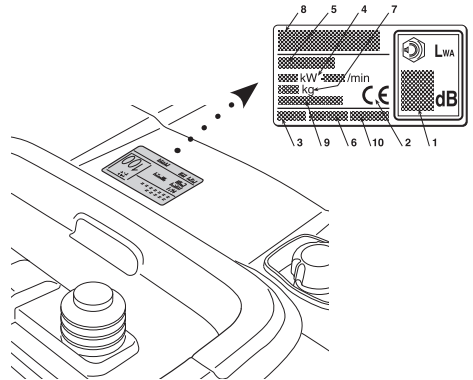
When using the towing kit, do not exceed the recommended loads stated on the label and follow the safety instructions.

2. IDENTIFICATION OF THE MACHINE AND PARTS

2.1 IDENTIFICATION OF THE MACHINE

The identification label located under the seat has the essential data of each machine. The serial number (6) must be quoted when you require technical assistance or spare parts.

1. Acoustic power level according to directive 2000/14/EC
2. Conformity mark according to directive 2006/42/CE
3. Year of manufacture
4. Operating engine power and speed
5. Type of machine
6. Serial number
7. Weight in kgs
8. Name and address of Manufacturer
9. Type of transmission (if indicated)
10. Article Code



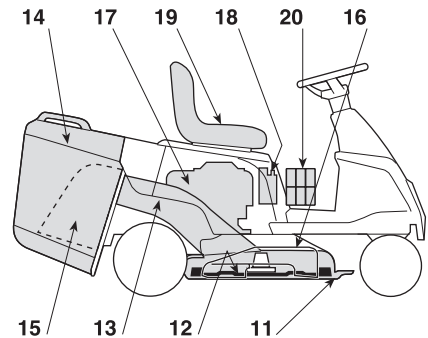
Write your machine's serial number here (6)

The example of the declaration of conformity can be found on the penultimate page of the manual.

2.2 IDENTIFICATION OF MAIN COMPONENTS

Various main components can be seen on the machine, and these have the following functions:

11. **Cutting deck:** this is the guard enclosing the rotating blade.
12. **Blade:** this is what cuts the grass. The wings at the ends help convey the cut grass towards the collector channel.
13. **Collector channel:** this is the part connecting the cutting deck to the grass-catcher.
14. **Grass-catcher:** as well as collecting the grass cuttings, this is also a safety element in that it stops any objects drawn up by the blade from being thrown outside of the machine.
15. **Rear discharge guard:** this can be fitted in place of the grass-catcher and prevents objects drawn up by the blade from being thrown outside of the machine.
16. **Side discharge chute (if provided):** it prevents objects drawn up by the blade from being thrown away from the machine.
17. **Engine:** this moves the blade and drives the wheels. It is fully described in a specific booklet.



18. **Battery** **Electric Start:** provides the energy for starting the engine. It is fully described in a specific booklet.
19. **Driver seat:** this is where the machine operator sits. It has a sensor for detecting the presence of the operator which is a safety device.
20. **Pictograms for regulations and safety:** give reminders on the main provisions for working safely, each of which is explained in chapter 1.

3. UNPACKING AND ASSEMBLY

For storage and transport reasons, some components of the machine are not directly installed in the factory, but have to be assembled after their removal from the packing. Final assembly is carried out by following these simple instructions.

IMPORTANT

For transport reasons the machine is supplied without engine oil or fuel. Before starting up the engine, fill with oil and fuel following the instructions given in the engine booklet.

⚠ WARNING!

Unpacking and completing the assembly should be done on a flat and stable surface, with enough space for machine handling and its packaging, always making use of suitable equipment.

3.1 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 base pallet.

The standard packing contents:

- the machine;
- dashboard cover;
- steering wheel column caster;
- steering wheel;
- seat;
- blade engagement lever extension
- grass-catcher components;
- the lower part of the back plate;
- "mulching" accessory components (if provided);
- the side discharge chute (if provided);
- equipment to be used to complete assembly of the various machine components (in separate bags for each use);
- instructions manual and machine documents.

In addition,

➡ Electric Start

- a battery charger (if present);
- 2 starter keys;
- a spare 10 A fuse, to be kept in case of necessity.

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.

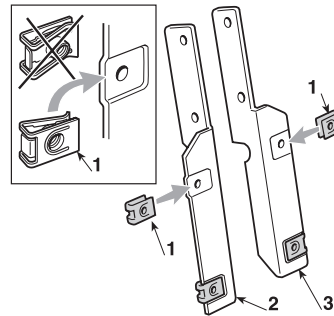
➡ Hydrostatic transmission

- To make it easier to get the machine off the pallet and to move it, the drive disengage lever should be put in position «B» (➡ 4.23).

Disposal of the packaging should be done in accordance with the local regulations in force.

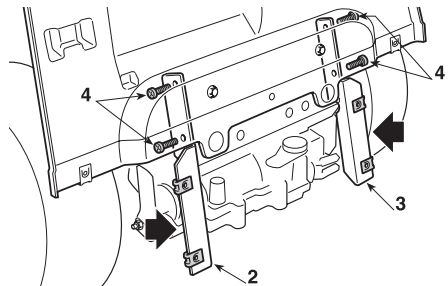
3.2 FITTING THE REAR PLATE

- Use equipment marked "A".



Apply plates (1) to the two supporting brackets (2) and (3), as shown in the figure.

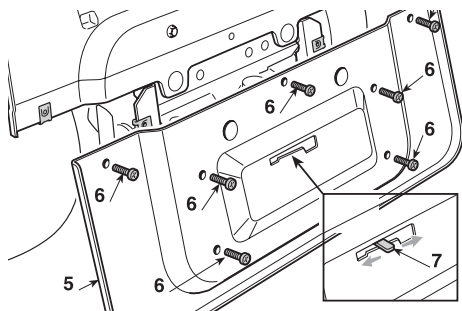
Screw (4) the two brackets (2) and (3) to the chassis supports, taking care they are in the correct right and left positions.



Mount the lower part (5) of the rear plate and screw (6) it to the lower brackets without tightening the screws completely.

➤ **Hydrostatic transmission**

- Make sure the release lever (7) is inserted in the rear plate groove correctly and that it runs freely.



Tighten screws (6).

3.3 FITTING THE DASHBOARD AND STEERING WHEEL

- Use equipment marked "B".

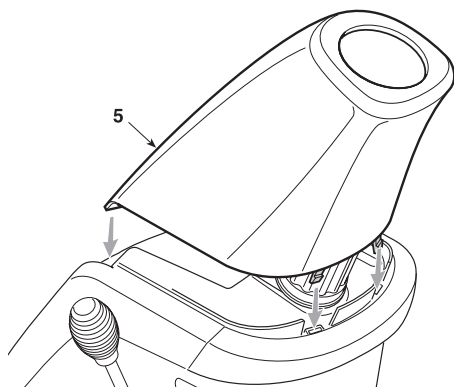
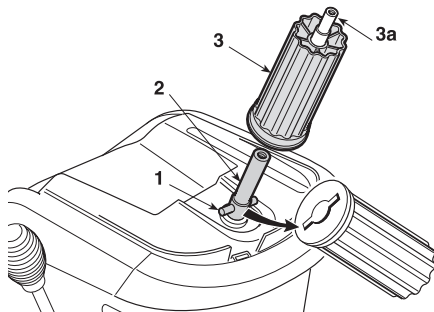
Put the machine on a flat surface and straighten the front wheels.

Fit the caster (3) on the steering column (2), making sure the plug (1) is correctly fitted into the caster seat.

Fit the steering column extension (3a) in the hole in the caster (3).

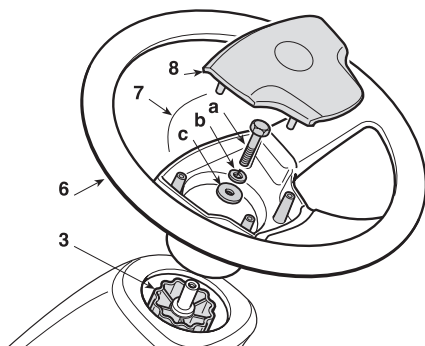
Fit the dashboard cover (5) making sure all fastenings click into their respective housings correctly.

Fit the steering wheel (6) onto the caster (3) with all the spokes directed towards the seat.



Fit the steering wheel fastening it with the screws (7-a/b/c) supplied, in the indicated order.

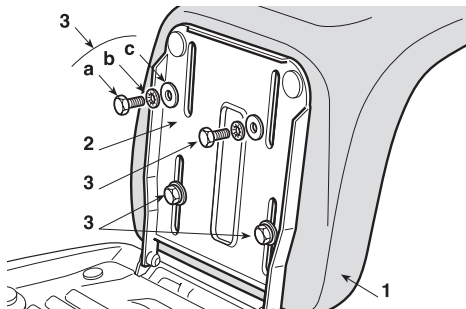
Fit the steering wheel cover (8) clicking the three fasteners into place.



3.4 FITTING THE SEAT

- Use equipment marked "C".

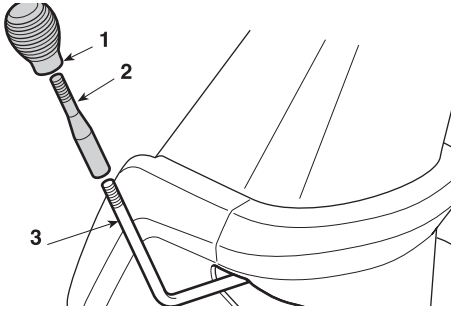
Fit the seat (1) onto the plate (2) using the screws (3-a/b/c).



3.5 ASSEMBLY OF THE BLADE ENGAGEMENT LEVER EXTENSION

- Use equipment marked “C”.

Tighten the knob (1) on the extension (2), then screw the extension (2) onto the end of the lever (3).



3.6 CONNECTING THE BATTERY



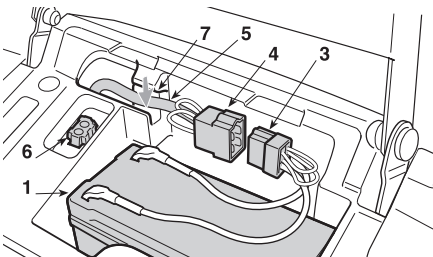
Electric Start



The battery (1) is located under the seat and can be reached by moving the cover (2).

Connect the battery connector (3) to the machine connector (4) and arrange the wire (5) so that it is held firmly in place (7).

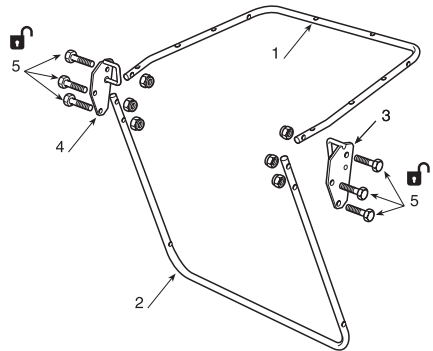
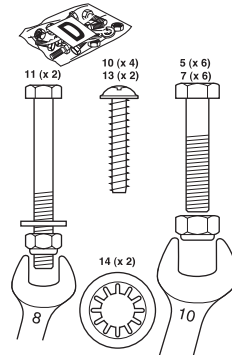
Using the connector (6), charge the battery following instructions in the booklet (6.2.3), then put the cover (2) back.



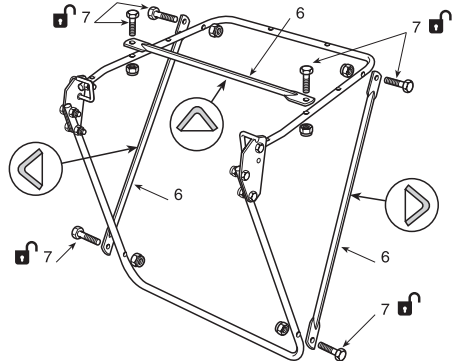
3.7 FITTING THE GRASS-CATCHER

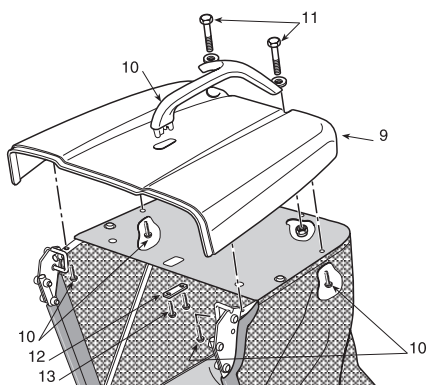
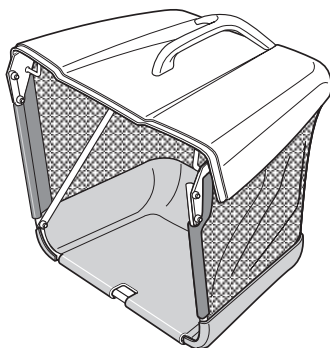
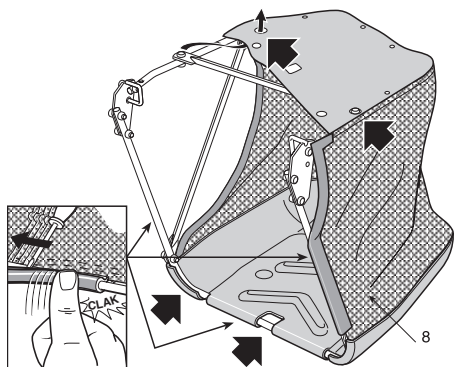
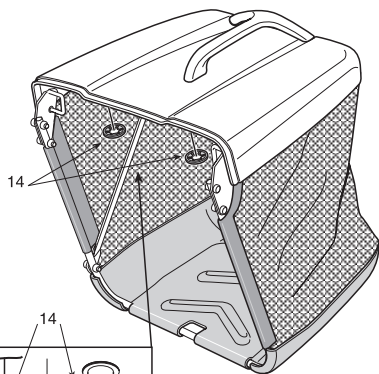
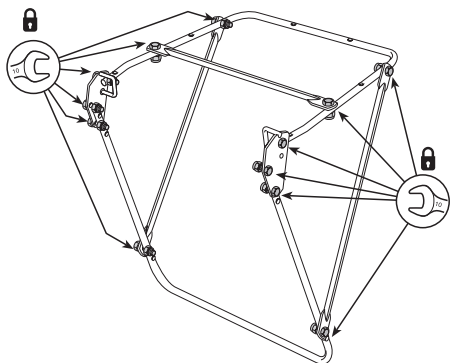
- Use equipment marked “D”.

Fit the grass catcher following sequences illustrated in the figures.



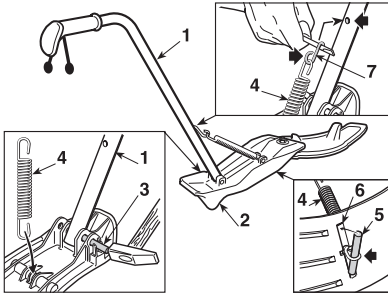
3.8 FITTING THE “MULCHING” ACCESSORY





(if provided)

- Use equipment marked “E”.
- Fit the handle (1) on the deflector cap (2) using



the pin (3) pushing it to the end with a hammer.

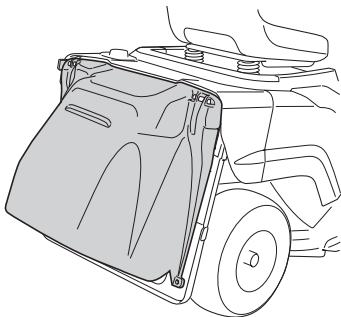
Insert an end of the spring (4) in the deflector cap (2) opening and fasten it with the pin (5) inserted in the specific deflector cap (2) seat (6).

Insert the other end of the spring (4) in the widest part of the hook (7).

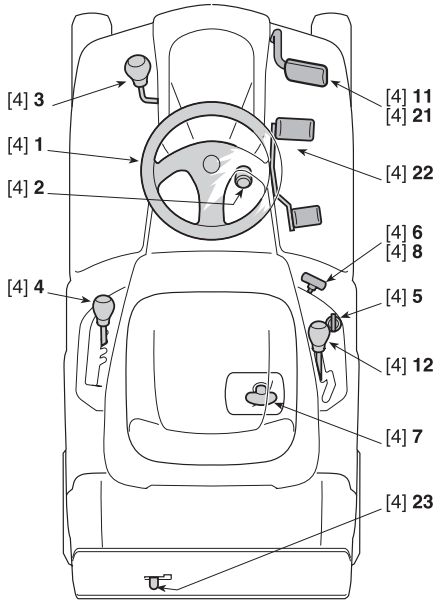
Using a screwdriver, fasten the narrowest part of the hook (7) to the hole in the handle (1).

3.9 ASSEMBLY OF THE REAR DISCHARGE GUARD

Follow sequences on the instructions sheet supplied.



4. COMMANDS AND CONTROL INSTRUMENTS



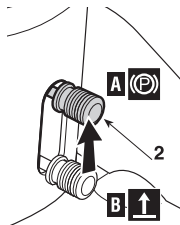
1. STEERING WHEEL

Turns the front wheels.

2. PARKING BRAKE LEVER

This lever is to stop the machine from moving when it has been parked, and must always be engaged before leaving the machine.

- The brake is engaged by fully pressing the pedal (11 - 21) and moving the lever to position «A». When you take your foot off the pedal it will be blocked by the lever in the down position.



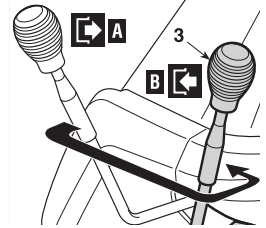
- To disengage the parking brake, press the pedal again so that the lever returns to position «B».

3. BLADE ENGAGEMENT AND BRAKE LEVER

This lever has two positions, as shown on the label:

➡ Position «A» = Blade disengaged

↩ Position «B» = Blade engaged

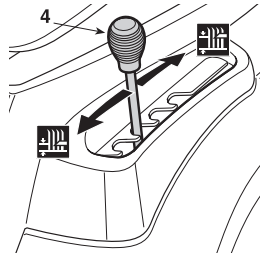


- If the blade is engaged when safety conditions have not been complied with, the engine shuts down.
- On disengaging the blade (Pos. «A»), a brake is simultaneously activated which stops it rotating in five seconds.

4. CUTTING HEIGHT ADJUSTING LEVER

This lever has several positions so the cut can be regulated at various heights.

- To go from one position to another, move the lever sideways and put it back in one of the stop notches.



➡ Electric Start

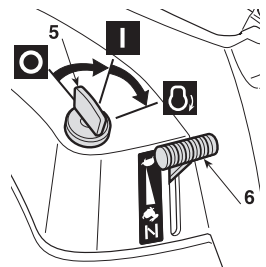
5. KEY IGNITION SWITCH

This key operated control has three positions:

○ «OFF» everything is switched off;

I «ON» activates all parts;




⊕ «START» engages the starter motor







- On being released at the «START» position, the key will automatically return to «ON».

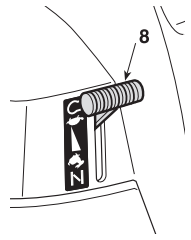
6. ACCELERATOR LEVEL

Regulates the engine's r.p.m. The positions are indicated on a plate showing the following symbols:

-  «CHOKE» (if fitted) = cold starting
-  «SLOW» for minimum engine speed
-  «FAST» for maximum engine speed

- The «CHOKE» position (if fitted) enriches the mixture so must only be used for the necessary time for cold starting.
- When moving from one area to another, put the lever in a position between «SLOW» and «FAST».
- When cutting, go to the «FAST» position.

-  «OFF» for switching off the engine
-  «CHOKE» (if fitted) = cold starting
-  «SLOW» for minimum engine speed
-  «FAST» for maximum engine speed



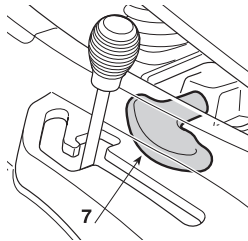
- The «CHOKE» position (if fitted) enriches the mixture so must only be used for the necessary time for cold starting.
- When moving from one area to another, put the lever in a position between «SLOW» and «FAST».
- When cutting, go to the «FAST» position.

Manual start

7. PULL START HANDLE

To start the engine, take the starter cable handle and give it a firm tug.

Then put the handle back in its seat, guiding the cable as it automatically rewinds.



8. ACCELERATOR LEVEL

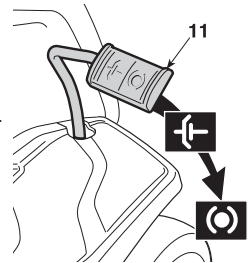
It regulates the rpm and stops the engine.

The positions are indicated on the plate showing the following symbols:

Mechanical transmission

11. CLUTCH / BRAKE PEDAL

This pedal has a double function - during the first part of its travel it acts as a clutch, engaging and disengaging drive to the wheels, and in the second part it acts as a brake on the rear wheels.



It is important not to take too long in using the clutch as this can cause overheating and damage the transmission belt.

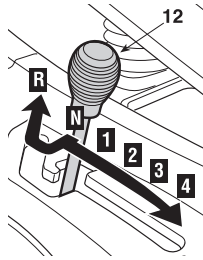
NOTE

When the machine is in movement, keep your foot off the pedal.

12. SPEED CHANGE LEVER

This lever has 6 positions for the 4 forward speeds, the neutral position «N» and reverse «R».

- To change gear, press the pedal (11) halfway down and move the lever to the desired gear.

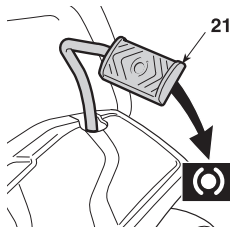


▲ WARNING! Reverse must only be engaged when the machine is stopped.

Hydrostatic transmission

21. BRAKE PEDAL

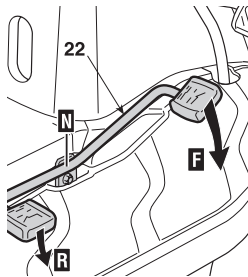
In hydrostatically driven models this pedal is solely for braking and works on the rear wheels.



22. DRIVE PEDAL

This pedal engages drive in the wheels and controls the machine's forward and reverse speeds.

- To engage forward drive, press it towards «F» with your toe-cap. As you increase the pressure on the pedal, the speed of the machine increases.
- Reverse is engaged by pressing the pedal with the heel towards «R».



- The pedal automatically goes into neutral «N» when released.

▲ WARNING! Only shift into reverse when the machine has stopped moving.

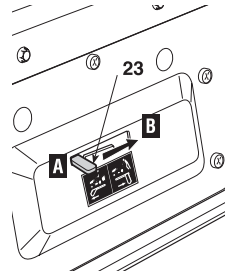
NOTE If the drive pedal is used, whether forwards or for reverse, the engine stops as soon as the parking brake (2) is engaged.

23. LEVER TO RELEASE THE HYDROSTATIC DRIVE

This lever has two positions:

Position «A»:
Drive engaged: for all operating conditions, when moving and during cutting;

Position «B»:
Drive released: considerably reduces the effort required for moving the machine manually, when the engine is not running.



IMPORTANT To avoid damage to the transmission unit, this operation must be carried out only when the engine has stopped with the pedal (22) on position «N».

5. HOW TO USE THE MACHINE

5.1 SAFETY RECOMMENDATIONS

⚠ DANGER! *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 his 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! *This machine must not be used on slopes steeper than 10° (17%) (☛ 5.5.4).*

IMPORTANT *All the references relating to the positions of controls are described in chapter 4.*

5.2 WHY THE SAFETY DEVICES CUT IN

The safety devices work in two ways:

- by preventing the engine from starting if all the safety requirements have not been met;
- stopping the engine if even just one of the safety requirements is lacking.

a) The engine must only be started in the following conditions:

- the transmission is in “neutral”;
- the blade is not engaged;

☛ Electric Start

- – the operator is seated or the parking
- brake is engaged.

b) The engine stops when:

- the operator leaves his seat when the blades are engaged;
- the operator leaves his seat when the transmission is not in “neutral”;
- the grass-catcher is lifted or the rear discharge guard removed without disengaging the blade;
- the blade is engaged without the grass-catcher or the rear discharge guard in place;
- the parking brake is engaged without disengaging the blade;

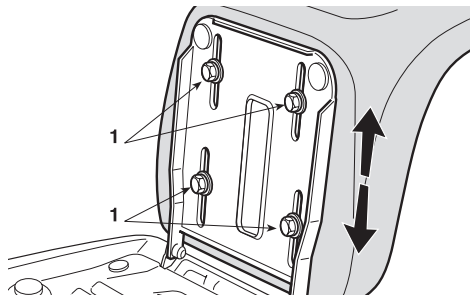
☛ Electric Start

- – the speed change is activated (☛ 4.12) or
- the drive pedal (☛ 4.22) with the parking
- brake on.

5.3 DIRECTIONS BEFORE STARTING

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

5.3.1 Seat adjustment



The seat is held by four screws (1) which have to be loosened for changing the position of the seat which is done by sliding it along the slots in the base.

When you have got in a comfortable position, fully tighten the four screws.

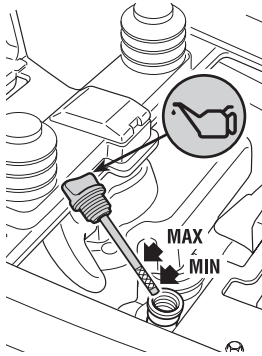
5.3.2 Refuelling

NOTE

The oil and fuel to use are indicated in the engine booklet.

To reach the oil dipstick, turn the seat over and remove the cover underneath.

With engine stopped, check its oil level which 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 4 litres.

⚠ DANGER!

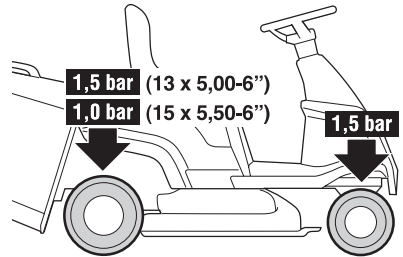
Refuelling should be carried out in an open or well ventilated area with engine stopped. Always remember that petrol fumes are inflammable. DO NOT TAKE FLAMES TO THE TANK MOUTH TO VERIFY ITS CONTENTS AND DO NOT SMOKE WHEN REFUELLING.

IMPORTANT

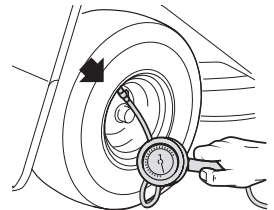
Do not drip petrol onto the plastic parts to avoid damaging them. In the event of accidental spills or leaks, rinse immediately with water. The warranty does not cover for damage to plastic parts of the bodywork or the engine caused by petrol.

5.3.3 Tyre pressure

Having the correct tyre pressure is essential for keeping the cutting deck horizontal and thus achieving uniform mowing.



Unscrew the valve caps and connect a compressed air line with a gauge to the valves and adjust the pressure to the indicated values.



5.3.4 Preparing the machine and fitting the exit guards (grass-catcher, or rear discharge guards or side discharge chute)

NOTE

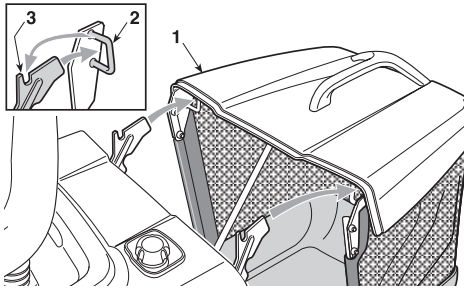
This machine lets you mow lawns in different ways, according to the fitted accessories. The accessories mentioned here may be part of the original equipment or may be purchased afterwards. Before starting work, prepare the machine based on how the lawn is to be mowed. DO THIS WHEN THE ENGINE IS OFF.

⚠ WARNING!

Never use the machine without having fitted the exit protection!

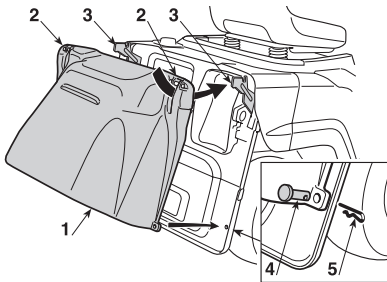
- Preparation for mowing and collection in grass-catcher

Hook on the grass-catcher (1) inserting the two connections (2) in the holes on the two supports (3).



• Preparation for mowing and rear grass discharge

Hook on the rear discharge guard (1) inserting the two connections (2) in the holes on the two supports (3). Fasten the lower part to the rear plate using the pins (4) and split pins (5).



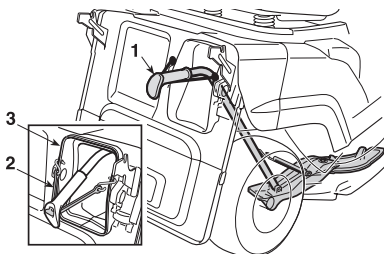
Fasten the lower part to the rear plate using the pins (4) and split pins (5).

• Preparation for mowing and mulching

Make sure that the inside of the cutting deck is sufficiently clean and free of grass and mud deposits that might hinder inserting the deflector cap for mulching.

Move the cutting deck to the maximum height position and insert the mulching accessory (1) on the outlet, pushing it down inside the collector channel until it stops.

Fasten the two elastic tie-rods (2) to the two holes on the sides of the collector channel (3).



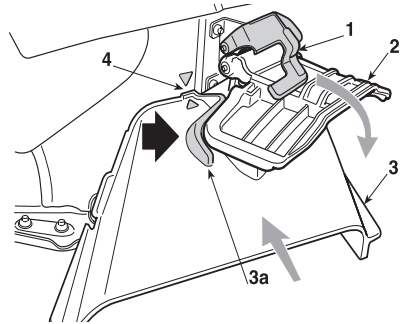
Then fit the grass-catcher or the rear discharge guard as indicated above.

• Preparation for mowing and grass side discharge

Lift the safety lever (1) and the side discharge guard (2). Fasten the side discharge chute (3) and lower the guard (2), making sure it stays well fastened to the chute protrusions (3a).

The side discharge chute is properly fitted if the two arrows are aligned (4).

Then fit the grass-catcher or the rear discharge guard as indicated above.



5.3.5 Checking machine safety and efficiency

1. Check that the safety devices function as described (☛ 5.2).
2. Check that the brake is in perfect working order.
3. Do not start mowing if the blade vibrates 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.*

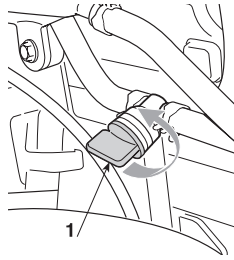
5.4 USING THE MACHINE

5.4.1 Starting

⚠ DANGER! *All starting operations have to be effected in an open or well ventilated area! ALWAYS REMEMBER THAT EXHAUST GASES ARE TOXIC!*

Before starting the engine:

- open the fuel stop-cock (1 - where supplied), which you can reach from the left-hand rear wheel arch.



To start the motor:

- press the brake pedal (☛ 4.2);
- put the drive into neutral («N») (☛ 4.12 or 4.22);
- disengage the blade (☛ 4.3);
- for cold starting, put the accelerator lever in the «CHOKE» position (if fitted) (☛ 4.6 or 4.8); if the motor is hot or has no starter, position the lever between «SLOW» and «FAST».

☛ Electric Start

- put in the key (☛ 4.5) and turn to «ON» to make electrical contact, then turn to «START» to start the engine;
- release the key once the engine has started;

☛ Manual start

- take the starter cable handle (☛ 4.7) and firmly tug it.
 - once the engine has started, put the handle back in its seat.
- after the machine has run for a few seconds, put the accelerator lever on «START» and then on «SLOW».

IMPORTANT

The choke (if fitted) must be closed as soon as possible. Using it when the engine is already warm can foul the spark plugs and cause the engine to run erratically.

NOTE

If you have difficulty starting, do not make several attempts to avoid flooding the engine or running down the battery (if present).

- Check that the conditions allowing the engine to start are met
- Turn the key (☛ Electric start) or the accelerator (☛ Manual start) to «OFF». Wait for a few seconds and repeat the start operation.

tion. Should the malfunction persist, refer to chapter «8» of this manual and the engine manual.

5.4.2 Moving without mowing

▲ WARNING! *The 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.*

NOTE

When moving the machine, the blade must be disengaged and the cutting deck put at its highest position.

☛ Mechanical transmission

- Put the accelerator control between the «SLOW» and «FAST» positions, and the gear change lever in the 1st speed position.
- Keep the pedal pressed down and disengage the parking brake. Slowly release the pedal which will turn from «brake» to «clutch», thus operating the rear wheels.
- The pedal has to be released gradually as a sudden engagement may cause tipping up and loss of control of the vehicle.
- Gradually reach the desired operating speed using the accelerator and gear lever. To change the gear speed the clutch must be used pushing the pedal down half way.

☛ Hydrostatic transmission

- Put the accelerator control between the «SLOW» and «FAST» positions. Press the brake pedal to disengage the parking brake and release the pedal.
- Press the drive pedal (☛ 4.22) in direction «F» and reach the required speed by progressively increasing pressure on the pedal and moving the accelerator.

5.4.3 Braking

☛ Mechanical transmission

- To brake, first reduce the speed on the accelerator to avoid overloading the brake assembly and then push the pedal down fully.

➔ **Hydrostatic transmission**

- First reduce the machine's speed by reducing the engine's r.p.m., and then press the brake pedal to slow down the machine until it stops.
- The machine already slows down considerably by just releasing the drive pedal.

5.4.4 Reverse

➔ **Mechanical transmission**

- The machine MUST be stopped before reverse can be engaged. Push down the pedal until the machine stops and then insert reverse by moving the lever sideways and putting it into position «R». Gradually release the pedal to engage the clutch and then begin moving in reverse.

➔ **Hydrostatic transmission**

- The machine MUST be stopped before reverse can be engaged.
- When the machine has stopped moving, start reversing by pressing the drive pedal in direction «R».

5.5 GRASS CUTTING

5.5.1 Engaging the blade and forward movement

- When you have reached the area to be mowed,
- put the accelerator into the «FAST» position;
 - engage the blade by putting the lever into position «B»;
 - start moving forwards on the grass very slowly and with utmost caution, as already described;
 - engage the blade with the cutting deck in the highest position, and then gradually lower to the height required.
 - regulate the cutting height and speed considering the conditions of the lawn (the height, density and dampness of the grass).

➔ **Mechanical transmission**

- – **High and dense grass - wet lawn**
1st speed
- – **Low grass - dry lawn**
2nd - 3rd speed

NOTE

The fourth gear is just a transfer gear to be used on the flat.

➔ **Hydrostatic transmission**

- The speed has to be adapted to the condition of the grass in a gradual and progressive way
- by moving the speed drive pedal.

The speed should always be reduced if you note a reduction in engine speed, since a forward speed that is too fast will not cut the grass well.

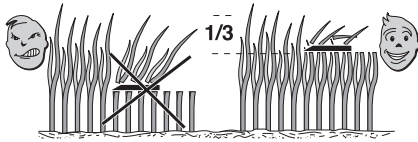
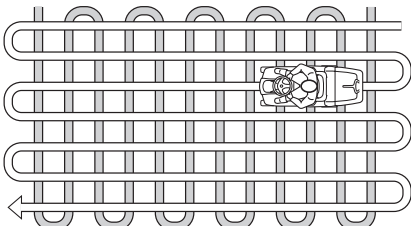
Disengage the blade and put the cutting deck in the highest position whenever you need to get past an obstacle.

5.5.2 Cutting height adjustment

Cutting height is regulated by a specific lever (➔ 4.4).

5.5.3 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 blade must be in good condition and well sharpened so that the grass is cut straight without any 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 outlet.
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. 4-5 cm. and with one mowing, 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 with a twenty-four

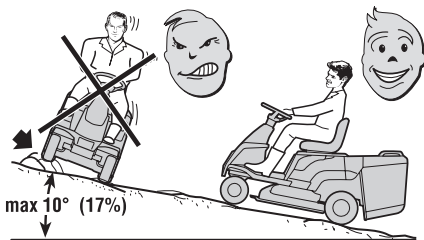


hour interval - the first time with the blade at maximum height, possibly reducing the cutting width, and the second cut at the desired height. When mulching, always avoid removing a large quantity of grass.

8. The appearance of the lawn will improve if you alternate cutting in both directions.
9. When using the side discharge, it is best to mow in a pattern where cut grass is not discharged on the grass still to be cut.
10. If the outlet tends to get blocked with grass, you should reduce the forward speed since this may be too high for the condition of the lawn. If the problem persists, the probable causes are either the badly sharpened blade or deformed fins.
11. Be very careful when mowing near bushes or kerbs since these could distort the horizontal position of the cutting deck, and damage its edge as well as the blade.

5.5.4 Slopes

Complying with the slope limits already mentioned, lawns on a slope have to mowed moving up and down and never across them, taking



great care when changing direction that the first wheels do not hit obstacles (such as stones, branches, roots, etc.), that may cause the machine to slide sideways, roll over or otherwise cause loss of control.

⚠ DANGER! **REDUCE SPEED BEFORE ANY CHANGE OF DIRECTION ON SLOPES and always engage the parking brake before leaving the machine stopped and unattended.**

⚠ WARNING! **Take care when beginning forward movement on sloping ground to prevent the risk of tipping up.**

➡ Mechanical transmission

⚠ DANGER! **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.**

➡ Hydrostatic transmission

Go down slopes with your foot off the drive pedal, to use the braking effect of the hydrostatic drive when the transmission is not engaged.

⚠ DANGER! **Never use reverse for reducing speed going downhill. Control of the machine could be lost, particularly on slippery surfaces.**

5.5.5 Emptying the grass-catcher

NOTE

This operation can only be done with the blade disengaged, otherwise the engine stops..

The grass-catcher is full when the grass cuttings remain on the lawn. If you continue mowing with the grass-catcher full, it may block the collector channel.

To empty the grass-catcher:

- lower the engine speed;
- go into neutral (N) (⚙ 4.12 or 4.22) and stop the machine's forward movement;
- disengage the blade (⚙ 4.3);



- engage the parking brake on slopes (4.2);
- hold onto the rear handle and tip up the grass-catcher to empty it.

5.5.6 Emptying the collector channel

⚠ WARNING! *This job must only be performed with the engine turned off.*

If the collector channel gets blocked (due to accumulated grass cuttings filling up the grass-catcher or an excessively high speed with relation to the quantity of grass cuttings), you need to:

- stop forward movement immediately, disengage the blade and stop the engine;
- remove the grass-catcher;
- remove the accumulated cuttings, reaching them from the exit of the collector channel.

5.5.7 End of mowing

When you have finished mowing, disengage the blade, lower the engine speed and ride the machine with the cutting deck in the highest position.

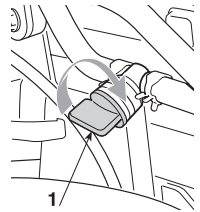
5.5.8 End of work

Once you have finished mowing, stop the machine and engage the parking brake.

➔ Electric Start

- shift the accelerator lever to «SLOW»;

- switch off the engine by turning the key to «STOP»;
- close the fuel tap (1).



⚠ WARNING! *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.*

➔ Manual start

- shift the accelerator lever to «OFF»;
- close the fuel tap (1).

⚠ WARNING! *Always make sure the accelerator lever is in the «OFF» position before leaving the machine unattended; then wait till the motor has cooled and disconnect the spark plug cap.*

5.5.9 Cleaning the machine

After each mowing, clean the outside of the machine, remove the grass-catcher, the rear discharge guard or side discharge chute and shake them to remove residual grass and earth.

⚠ WARNING! *Always empty the grass-catcher and do not leave containers full of cut grass inside a room.*

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 card located under the seat.

IMPORTANT *Never use hose-nozzles or harsh detergents for cleaning the body and engine!*

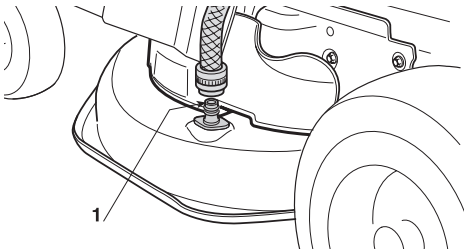
⚠ WARNING! *Do not let debris and dry remains of grass accumulate in upper part of the cutting deck in order to keep maximum machine efficiency and safety levels.*

After each use, accurately clean the cutting deck to remove any grass remains or debris.

▲ WARNING! *Wear eye protection and keep people or animals away from the surrounding area when cleaning the cutting deck.*

a) When washing the **inside of the cutting deck** and the collector channel, the machine must be on firm ground:

- prepare the machine according to the operating mode that was used the last time (☛ 5.3.4);
- connect a water hose to its pipe fitting (1), and run water through it;
- sit at the operator's position;

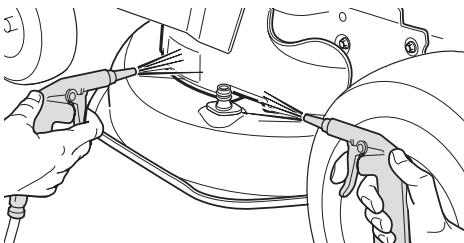


- lower the cutting deck completely;
- start the engine and stay in neutral;
- engage the blade and leave it to turn for a few minutes.

Remove the grass-catcher, the rear discharge guard, the side discharge chute or mulching accessory (if provided), rinse and place them where they can dry quickly.

b) To clean the **upper part** of the cutting deck:

- lower the cutting deck completely;
- blow a jet of compressed air to remove any remains of grass.

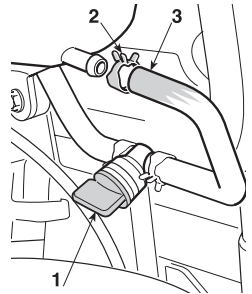


5.5.10 Storage and inactivity for long periods

If the machine is likely to be unused for a long period (more than 1 month), follow the instructions in the engine manual.

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

Close the fuel tap (1). Remove the clamp (2) using pliers, reconnect the tube (3) and empty the tank collecting all the fuel in a suitable container. Open the tap (1) and start the motor, leaving it running till it stops because all fuel left in the tubes and carburettor has been used up. Reconnect the tube (3), making sure you position the clamp (2) properly. Put the machine away in a dry, sheltered place and preferably covered with a cloth (☛ 9.5).



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

➤ Electric Start

- **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 (chapter 6).*

5.6 TRANSPORTING

▲ WARNING! *If the machine is transported on a truck or trailer, use ramps with suitable resistance, width and length. Load the machine with the engine switched off, without a driver and pushed by an adequate number of people. During transport, close the fuel stopcock (if fitted), lower the cutting deck, engage the parking brake and fasten the machine securely with ropes or chains to the hauling device.*

6. MAINTENANCE

6.1 SAFETY RECOMMENDATIONS

Routine and accurate maintenance is essential in maintaining original machine safety and performance levels.

▲ 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: The use of non-original and/or incorrectly fitted parts will compromise the safety of the machine, may cause accidents or personal injuries for which the Manufacturer is under no circumstance liable or responsible.*

IMPORTANT *Never get rid of used oil, fuel or other pollutants in unauthorised places!*

▲ WARNING! *Any adjustments or maintenance operations not described in this manual must be carried out by your Dealer or a specialized Service Centre. Both have the necessary knowledge and equipment to ensure that the work is done correctly without affecting the safety of the machine. You must go to a specialised Service Centre or contact your Dealer if the following are malfunctioning:*

- the brake;
- the engagement and stop of the blade;
- the drive engagement in forward and in reverse gears.

6.2 ROUTINE MAINTENANCE

The following table is 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.

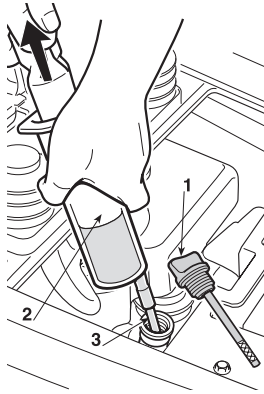
Operation	Hours	Completed (Date or Time)
1. MACHINE		
1.1 Check of tight fixing and sharpness of blade ³⁾	25	
1.2 Blade replacement ³⁾	100	
1.3 Check of the transmission belt ³⁾	25	
1.4 Transmission belt replacement ^{2) 3)}	–	
1.5 Checking the blade drive belt ³⁾	25	
1.6 Blade drive belt replacement ^{2) 3)}	–	
1.7 Check and adjustment of brake ³⁾	25	
1.8 Check and adjustment of drive ³⁾	25	
1.9 Check blade engagement and brake ³⁾	25	
1.10 Check of tight fixing of all the elements	25	
1.11 General lubrication ⁴⁾	25	
2. ENGINE ¹⁾		
2.1 Engine oil change	
2.2 Check and cleaning of air filter	
2.3 Air filter replacement	
2.4 Check of fuel filter	
2.5 Fuel filter replacement	
2.6 Check and cleaning of spark plug points	
2.7 Replacement of spark plug	

- 1) See the engine manual for the full list and frequency.
- 2) At the first signs of any malfunction, contact your Dealer immediately.
- 3) The operation must be carried out by your Dealer or a specialized Service Centre.
- 4) General lubrication should also be carried out whenever the machine is to be left unused for a long period.

6.2.1 Engine

Follow the instructions in the engine booklet.

The motor oil is emptied using a syringe (2) suited for that use, after unscrewing the cap (1).



Fit a small pipe (3) of the right size and at least 400mm long (2) on to the syringe; push the small pipe (3) into the hole completely, then suck all the oil out; please remember that this operation has to be repeated a few times to empty it completely.

6.2.2 Rear axle

This is a sealed single unit that does not require maintenance. It is permanently lubricated and its lubricant does not need changing or topping up.

6.2.3 Battery



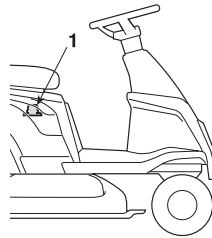
Electric Start

- To ensure long life to the battery it is essential to keep it carefully maintained.
- The machine battery must always be charged:
 - before using the machine for the first time after purchase;
 - before leaving the machine for a prolonged period of disuse;

- – before starting up the machine after a prolonged period of disuse.
- – Carefully read and comply with the procedure for recharging described in the booklet coming with the battery. If the procedure is not followed or the battery is not charged, irreparable damage could be caused to the elements inside the battery.
- – A flat battery must be recharged as soon as possible.

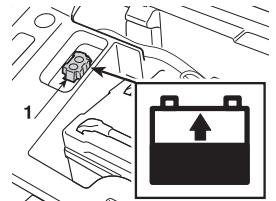
IMPORTANT

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



The machine has a connector (1) for recharging, to be connected to the corresponding connector of the special “CB02”

- maintenance battery-charger supplied (if included) or a-vailable on request (☛ 9.4).



IMPORTANT

This connector must only be used for connection to the “CB2” maintenance battery-charger.

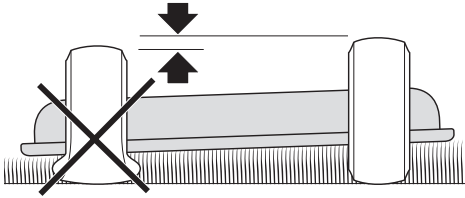
For its use:

- – follow the instructions given in the relative instruction booklet,
- – follow the instructions given in the battery booklet.

6.3 INTERVENTIONS ON THE MACHINE

6.3.1 Cutting deck alignment

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



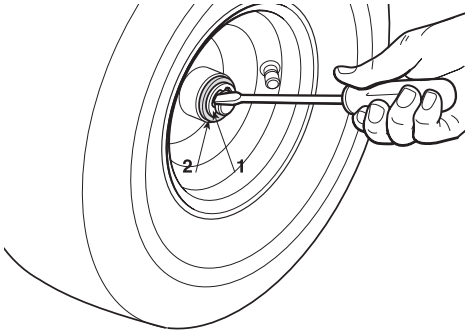
If the cut is uneven, check the tyre pressure.

If this is not sufficient to achieve an even cut, please contact your Dealer for the adjustment of the alignment of the cutting deck.

6.3.2 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 (1) which can be eased off with a screwdriver.



NOTE

If you have to replace one or both rear wheels, make sure that any differences in their external diameter does not exceed 8-10 mm; on the contrary, to prevent an uneven cut it will be necessary to adjust the alignment of the cutting deck.

IMPORTANT

Before remounting the wheel, apply grease to the axle. Put the snap ring (1) and supporting washer (2) back in place.

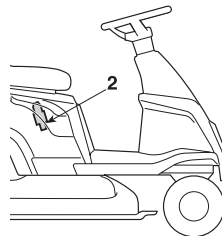
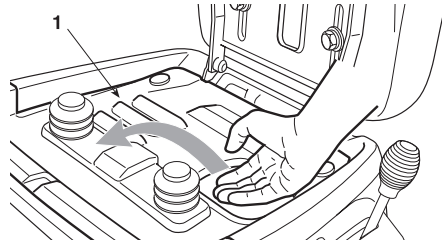
6.3.3 Changing and repairing tyres

All puncture repairs or replacements will have to be carried out by a tyre repair expert in accordance with the methods for the kind of tyre used.

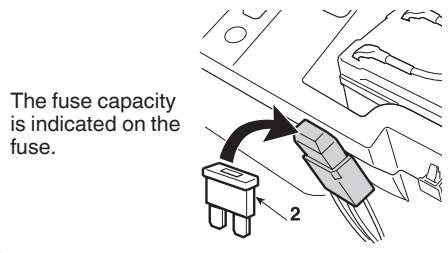
6.3.4 Replacing a fuse

Electric Start

- The electric system and the electronic card are protected by a fuse. When it blows the machine stops, so in this case:



- remove the cover (1) to reach the fuse (2) next to the battery;



- The fuse capacity is indicated on the 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.

If you cannot find out why the fuse has blown, consult a Licensed Service Centre.

Manual start

- The electric system and the card are not protected by any fuses. If the safety system fails to work properly or there are engine problems due to the electric system, contact a Licensed Service Centre.

6.3.6 Dismantling, replacing and remounting the blade

WARNING! Always wear work gloves when handling the blade.

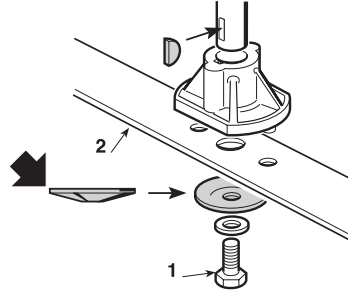
WARNING! Damaged or bent blade must always be replaced; never try to repair it! **ALWAYS USE ORIGINAL BLADES BEARING THE SYMBOL «GGP»!**

Only blades with the following codes must be used on this machine:

184109505/0

The blade (2) must be assembled with the code facing the ground, following the steps indicated in the illustration.

Tighten the central screw (1) using a torque wrench set to 50 Nm.



IMPORTANT



Given product evolution, the above mentioned blade may be replaced in time by others with similar interchangeable and operating safety features.

7. ENVIRONMENTAL PROTECTION

Environmental protection should be a priority of considerable importance when using the machine, for the benefit of both social coexistence and the environment in which we live.

- Try not to cause any disturbance to the surrounding area.
- Scrupulously comply with local regulations and provisions for the disposal of waste materials after sawing.
- Scrupulously comply with local regulations and provisions for the disposal of oils, petrol, damaged parts or any elements which have a strong impact on the environment; this waste must not be disposed of as normal waste, it must be separated and taken to specified waste disposal centres where the material will be recycled.
- At the time of decommissioning, do not pollute the environment.

8. TROUBLESHOOTING

PROBLEM	LIKELY CAUSE	SOLUTIONS
 <div style="border: 1px solid black; padding: 2px; display: inline-block;">Electric start</div>	Electronic card blocked due to:	Turn the key to «STOP» and look for the cause of the problem:
	1. With the key on «START» the starter motor does not run <ul style="list-style-type: none"> - flat battery - fuse blown - bad earthing to the engine or the frame - earth connections of the microswitches disconnected - badly earthed starter motor - you are not ready for starting 	<ul style="list-style-type: none"> - recharge battery (☛ 6.2.3) - replace fuse (10 A) (☛ 6.3.4) - check connections of black earth leads - check connections - check earth connections - check that the conditions allowing the start are met (☛ 5.2.a)
	2. With the key on «START» the starter motor runs but the engine does not start <ul style="list-style-type: none"> - faulty fuel supply - faulty ignition 	<ul style="list-style-type: none"> - check the level in the tank (☛ 5.3.2) - check fuel filter - check that spark plug caps are firmly fitted - check that the electrodes are clean and have the correct gap
3. The engine stops	Electronic card blocked due to:	Turn the key to pos. «OFF» and look for the cause of the problem:
	<ul style="list-style-type: none"> - earth connections of the microswitches disconnected - flat battery - badly connected battery (poor contact) - engine badly earthed 	<ul style="list-style-type: none"> - check connections - recharge battery (☛ 6.2.3) - check connections (☛ 3.5) - check engine earth connection
 <div style="border: 1px solid black; padding: 2px; display: inline-block;">Manual start</div>	<ul style="list-style-type: none"> - earth connections of the microswitches disconnected - you are not ready for starting 	<ul style="list-style-type: none"> - check connections - check that the conditions allowing the start are met (☛ 5.2.a)
	4. The engine does not start <ul style="list-style-type: none"> - faulty fuel supply - faulty ignition 	<ul style="list-style-type: none"> - check the level in the tank (☛ 5.3.2) - check the fuel filter - check that spark plug caps are firmly fitted - check that the electrodes are clean and have the correct gap
5. The engine stops	<ul style="list-style-type: none"> - earth connections of the microswitches disconnected 	<ul style="list-style-type: none"> - check connections

PROBLEM	LIKELY CAUSE	SOLUTIONS
6. Starting is difficult or the engine runs erratically	<ul style="list-style-type: none"> - fault in carburation 	<ul style="list-style-type: none"> - clean or replace the air filter - flush out the float chamber - empty fuel tank and refill with fresh fuel - check and, if necessary, replace fuel filter
7. Weak engine performance during cutting	<ul style="list-style-type: none"> - forward speed too high in relation to cutting height 	<ul style="list-style-type: none"> - reduce the forward speed and/or raise the cutting deck (☛ 5.5.1)
8. Engine stops when blade is engaged	<ul style="list-style-type: none"> - movement on the blade engagement lever is too fast - you are not ready to engage the blade 	<ul style="list-style-type: none"> - do it more slowly - check that the safety requirements are met (☛ 5.2.b)
9. Uneven cut and poor grass collection	<ul style="list-style-type: none"> - cutting deck not parallel to the ground - blade cutting badly - forward speed too high compared to height of grass - collector channel is blocked - cutting deck full of grass 	<ul style="list-style-type: none"> - check the tyre pressure (☛ 5.3.3) - realign the cutting deck to the ground (☛ 6.3.12) - Contact your dealer - reduce forward speed and/or raise the cutting deck (☛ 5.5.1) - wait for the grass to dry - remove the grass-catcher and empty the collector channel (☛ 5.5.6) - clean the cutting deck (☛ 5.5.9)
10. Unusual vibrations while working	<ul style="list-style-type: none"> - blade unbalanced - blade loose - fixing bolts loose 	<ul style="list-style-type: none"> - Contact your dealer - Contact your dealer - check and tighten all the fixing bolts of the engine and frame
11. The blade does not engage or does not stop promptly when it is disengaged	<ul style="list-style-type: none"> - problems with the engagement system 	<ul style="list-style-type: none"> - Contact your Dealer
12. Uncertain or ineffective braking	<ul style="list-style-type: none"> - the brake is not adjusted correctly 	<ul style="list-style-type: none"> - Contact your Dealer
13. Erratic forward movement, poor drive when going uphill or if the machine has a tendency to rear up	<ul style="list-style-type: none"> - problems with the belt or the engagement device 	<ul style="list-style-type: none"> - Contact your Dealer
14. With the engine running, the machine does not move when the drive pedal is pressed (☛ hydrostatic drive models)	<ul style="list-style-type: none"> - move the disengagement lever to position «B» 	<ul style="list-style-type: none"> - move it to position «A» (☛ 4.23)

If problems continue after having carried out these operations, contact a Licensed Service Centre.

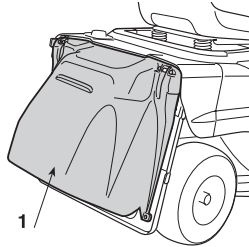
▲ WARNING! *Do not take on complicated repair work if you don't have the*

necessary equipment and the technical knowledge. The guarantee is automatically revoked and the manufacturer declines all responsibility for any repairs which are badly done.

9. ACCESSORIES ON REQUEST

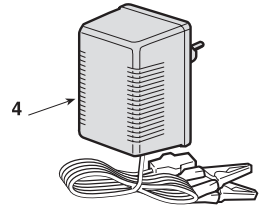
1. REAR DISCHARGE GUARD KIT

For use in place of the grass-catcher when the cuttings are not to be collected.



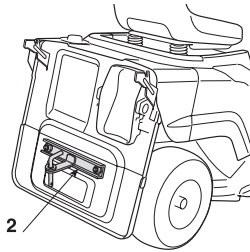
4. "CB02" MAINTENANCE BATTERY-CHARGER

This makes it possible to keep the battery in good working order when the machine is in storage, guaranteeing an optimum level of charge and a longer life to the battery.



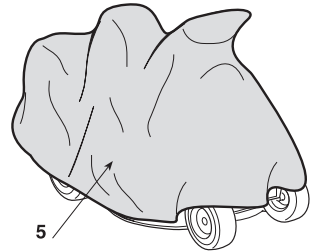
2. TOWING HITCH

For towing a small trailer.



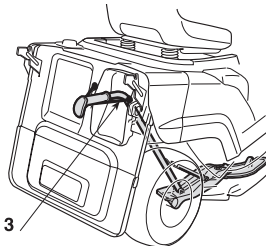
5. LOTH COVER

Protects the machine from dust when not in use.



3. KIT FOR "MULCHING"

It finely chops the grass cuttings and leaves them on the lawn, instead of collecting them in the grass-catcher.



10. SPECIFICATIONS

➤ Electric Start

Electrical system	12 V
Battery	7.2 or 9.0 Ah
Front tyres	11 x 4.00-4"
or	13 x 5.00-6"
Rear tyres	13 x 5.00-6"
or	15 x 5.50-6"
Front tyre pressure	
tyres 11 x 4.00-4"	1.5 bar
tyres 13 x 5.00-6"	1.5 bar
Rear tyre pressure	
tyres 13 x 5.00-6"	1.5 bar
tyres 15 x 5.50-6"	1.0 bar
Overall weight	120 - 135 kg
Inside turning circle (minimum diameter of uncut grass)	1.55 m
Cutting height	
tyres 11" - 13"	30 - 64 mm
tyres 13" - 15"	30 - 76 mm
Cutting width	65 cm
Grass-Catcher capacity	140 liters

➤ Mechanical transmission

➤ Tyres 11"-13"	
Forward speed (approximate)	
in Forward gear	1.4 - 5.5 km/h
in Reverse	1.7 km/h
➤ Tyres 13"-15"	
Forward speed (approximate)	
in Forward gear	1.5 - 6.2 km/h
in Reverse	2.0 km/h

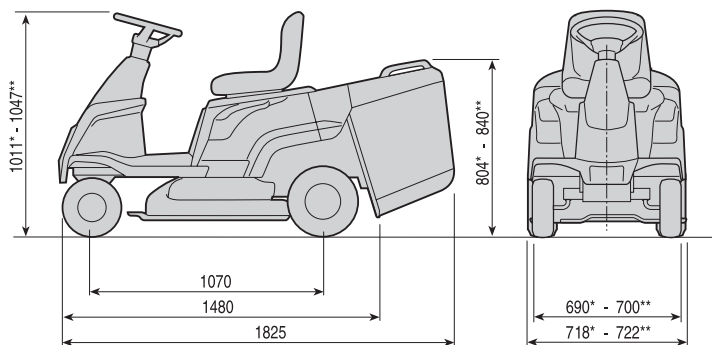
➤ Hydrostatic transmission

➤ Tyres 11"-13"	
Forward speed (approximate)	
in Forward gear	0 - 5.6 km/h
in Reverse	0 - 2.7 km/h
➤ Tyres 13"-15"	
Forward speed (approximate)	
in Forward gear	0 - 6.2 km/h
in Reverse	0 - 3.0 km/h

Maximum noise and vibration levels ¹⁾

Operator ear noise		
pressure level	db(A)	85.5
- Measurement uncertainty ..	db (A)	1.0
Measured acoustic		
output level	db(A)	97.7
- Measurement uncertainty ...	db(A)	0.5
Guaranteed acoustic		
output level	db(A)	98
Vibration level	m/s ²	0.84
- Measurement uncertainty	m/s ²	1.6

¹⁾ Indicative values: effective values can be found in the "Declaration of Conformity".



* = Tyres 11"- 13"

** = Tyres 13"- 15"

DICHIARAZIONE CE DI CONFORMITÀ

(Direttiva Macchine 2006/42/CE, Allegato II, parte A)

1. La Società: **GGP ITALY S.p.A.** – Via del Lavoro, 6 - 31033 Castelfranco Veneto (TV) – Italy

Dichiaro sotto la propria responsabilità, che la macchina: **Rasatura con conduttore seduto / taglio erba**

a) Tipo / Modello Base
 b) Modello commerciale
 c) Anno di costruzione
 d) Matricola
 e) Motore a scoppio

3. È conforme alle specifiche delle direttive:
- MD: 2006/42/CE /
 - EN 12543-1 /
 - EN 12543-2 /
 - CND: 2004/14/EC, ANNEX VI, par. 1, 2005/38/EEC /
 - EN 12543-1 /
 - EN 12543-2 /
 - EN 12543-3 /
 - EN 12543-4 /
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 - EN 12543-100 /

4. Riferimento alle Norme armonizzate:
 EN 836:1997+A4:2011

- i) Livello di potenza sonora misurato
- j) Livello di potenza sonora garantito
- k) Ampiezza di taglio

(dB(A))
 (dB(A))
 cm

q) Persona autorizzata a costituire il Fascicolo Tecnico:

GGP ITALY S.p.A.
 Via del Lavoro, 6
 31033 Castelfranco Veneto (TV) - Italia

r) Castelfranco V. lo, 00.00.2013

Vice Presidente R&D & Quality
 Ing. Raimondo Hippoliti


<p>FR Déclaration CE de Conformité (Directive Machine 2006/42/CE, Annexe II, partie A) 1. La Société 2. Déclare sous sa propre responsabilité que la machine 3. Est conforme aux spécifications des directives 4. Références aux normes harmonisées 5. Niveau de puissance sonore garanti 6. Largeur de coupe 7. Personne habilitée à établir le Dossier Technique 8. Lieu et Date</p>	<p>EN CE Conformity Statement (Machine Directive 2006/42/EC, Annex II, part A) 1. The Company 2. Declares under its own responsibility that the machine 3. Is in conformity with the specifications of the Directives 4. References to harmonised Standards 5. Sound power level guaranteed 6. Cutting width 7. Person authorised to create the Technical File 8. Place and Date</p>	<p>DE CE-Konformitätserklärung (Maschinenrichtlinie 2006/42/EG, Anhang II, Teil A) 1. Die Gesellschaft 2. Erklärt auf eigene Verantwortung, dass die Maschine 3. Konform mit den technischen Anforderungen der Richtlinien ist 4. Referenzen auf die harmonisierten Normen 5. Garantiertes Schallleistungspegel 6. Garantierte Schnittbreite 7. Person, die befugt ist, den Technischen Unterlagen herbeizuführen 8. Ort und Datum</p>
<p>NL CE-verklaring van overeenstemming (Machines Richtlijn 2006/42/EG, Bijlage II, deel A) 1. Het Bedrijf 2. Verklaart onder zijn eigen verantwoordelijkheid dat de machine 3. In overeenstemming is met de specificaties van de richtlijnen 4. Referentie aan de geharmoniseerde normen 5. Garandeerd een geluidvermogen 6. Garantie van de snijbreedte 7. Persoon die verantwoordelijk is voor het opstellen van het Technisch Dossier 8. Plaats en Datum</p>	<p>ES Declaración de Conformidad CE (Directiva Máquinas 2006/42/CE, Anexo II, parte A) 1. La Empresa 2. Declara bajo su propia responsabilidad que la máquina 3. Cumple con las especificaciones de las directivas 4. Referencias a las Normas armonizadas 5. Nivel de potencia sonora garantida 6. Ancho de corte 7. Persona autorizada a elaborar el Manual Técnico 8. Lugar y Fecha</p>	<p>PT Declaração CE de Conformidade (Diretiva Máquinas 2006/42/CE, Anexo II, parte A) 1. A Empresa 2. Declara sob a própria responsabilidade que a máquina 3. Cumpre com os requisitos das diretivas 4. Referências às Normas harmonizadas 5. Nível máximo de potência sonora 6. Largura de corte garantida 7. Pessoa autorizada a elaborar o Caderno Técnico 8. Local e data</p>
<p>EL ΕΡΩΤΗΜΑΤΟΛΟΓΙΟ (Οδηγία Μηχανών 2006/42/ΕΚ, Παράρτημα II, Μέρος Α) 1. Η Εταιρεία 2. Δηλώνει υπεύθυνα ότι η μηχανή 3. Συμμορφώνεται με τις απαιτήσεις των οδηγιών 4. Αναφέρεται στις αρμονισμένες προδιαγραφές 5. Εγγυημένο επίπεδο ισχύος 6. Εγγυημένη απόσταση κοπής 7. Αρμοδιότητα για την έκδοση του τεχνικού φακέλου 8. Τόπος και ημερομηνία</p>	<p>IT Dichiarazione CE di Conformità (Direttiva Macchine 2006/42/CE, Allegato II, parte A) 1. L'Impresa 2. Dichiaro sotto la propria responsabilità che la macchina 3. È conforme alle specifiche delle direttive 4. Riferimento alle norme armonizzate 5. Livello di potenza sonora garantito 6. Ampiezza di taglio 7. Persona autorizzata a elaborare il Manuale Tecnico 8. Luogo e data</p>	<p>GR Δήλωση για συμμόρφωση με ΕΥ (Οδηγία Μηχανών 2006/42/ΕΚ, Άρθρο II, μέρος Α) 1. Η Εταιρεία 2. Δηλώνει υπεύθυνα ότι η μηχανή 3. Συμμορφώνεται με τις απαιτήσεις των οδηγιών 4. Αναφέρεται στις αρμονισμένες προδιαγραφές 5. Εγγυημένο επίπεδο ισχύος 6. Εγγυημένη απόσταση κοπής 7. Αρμοδιότητα για την έκδοση του τεχνικού φακέλου 8. Τόπος και ημερομηνία</p>

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<p>DE CE-Sonemerkung (Maschinenrichtlinie 2006/42/EG, Anhang II, Teil A) 1. Firma 2. Erklärt auf eigene Verantwortung, dass die Maschine 3. Konform mit den technischen Anforderungen der Richtlinien ist 4. Referenzen auf die harmonisierten Normen 5. Garantiertes Schallleistungspegel 6. Garantierte Schnittbreite 7. Person, die befugt ist, den Technischen Unterlagen herbeizuführen 8. Ort und Datum</p>	<p>ES CE-Declaración de conformidad (Directiva Máquinas 2006/42/CE, Anexo II, parte A) 1. Empresa 2. Declara bajo su propia responsabilidad que la máquina 3. Cumple con las especificaciones de las directivas 4. Referencias a las Normas armonizadas 5. Nivel de potencia sonora garantida 6. Ancho de corte 7. Persona autorizada a elaborar el Manual Técnico 8. Lugar y Fecha</p>	<p>FR Déclaration CE de Conformité (Directive Machine 2006/42/CE, Annexe II, partie A) 1. La Société 2. Déclare sous sa propre responsabilité que la machine 3. Est conforme aux spécifications des directives 4. Références aux normes harmonisées 5. Niveau de puissance sonore garanti 6. Largeur de coupe 7. Personne habilitée à établir le Dossier Technique 8. Lieu et Date</p>
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<p>FR Déclaration CE de Conformité (Directive Machine 2006/42/CE, Annexe II, partie A) 1. La Société 2. Déclare sous sa propre responsabilité que la machine 3. Est conforme aux spécifications des directives 4. Références aux normes harmonisées 5. Niveau de puissance sonore garanti 6. Largeur de coupe 7. Personne habilitée à établir le Dossier Technique 8. Lieu et Date</p>	<p>ES Declaración de Conformidad CE (Directiva Máquinas 2006/42/CE, Anexo II, parte A) 1. La Empresa 2. Declara bajo su propia responsabilidad que la máquina 3. Cumple con las especificaciones de las directivas 4. Referencias a las Normas armonizadas 5. Nivel de potencia sonora garantida 6. Ancho de corte 7. Persona autorizada a elaborar el Manual Técnico 8. Lugar y Fecha</p>	<p>NL CE-Verklaring van overeenstemming (Machines Richtlijn 2006/42/EG, Bijlage II, deel A) 1. Het Bedrijf 2. Verklaart onder zijn eigen verantwoordelijkheid dat de machine 3. In overeenstemming is met de specificaties van de richtlijnen 4. Referentie aan de geharmoniseerde normen 5. Garandeerd een geluidvermogen 6. Garantie van de snijbreedte 7. Persoon die verantwoordelijk is voor het opstellen van het Technisch Dossier 8. Plaats en Datum</p>
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<p>IT Dichiarazione CE di Conformità (Direttiva Macchine 2006/42/CE, Allegato II, parte A) 1. L'Impresa 2. Dichiaro sotto la propria responsabilità che la macchina 3. È conforme alle specifiche delle direttive 4. Riferimento alle norme armonizzate 5. Livello di potenza sonora garantito 6. Ampiezza di taglio 7. Persona autorizzata a elaborare il Manuale Tecnico 8. Luogo e data</p>	<p>PT Declaração CE de Conformidade (Diretiva Máquinas 2006/42/CE, Anexo II, parte A) 1. A Empresa 2. Declara sob a própria responsabilidade que a máquina 3. Cumpre com os requisitos das diretivas 4. Referências às Normas harmonizadas 5. Nível máximo de potência sonora 6. Largura de corte garantida 7. Pessoa autorizada a elaborar o Caderno Técnico 8. Local e data</p>	<p>GR Δήλωση για συμμόρφωση με ΕΥ (Οδηγία Μηχανών 2006/42/ΕΚ, Άρθρο II, μέρος Α) 1. Η Εταιρεία 2. Δηλώνει υπεύθυνα ότι η μηχανή 3. Συμμορφώνεται με τις απαιτήσεις των οδηγιών 4. Αναφέρεται στις αρμονισμένες προδιαγραφές 5. Εγγυημένο επίπεδο ισχύος 6. Εγγυημένη απόσταση κοπής 7. Αρμοδιότητα για την έκδοση του τεχνικού φακέλου 8. Τόπος και ημερομηνία</p>
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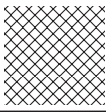
<p>ES CE-Declaración de conformidad (Directiva Máquinas 2006/42/CE, Anexo II, parte A) 1. La Empresa 2. Declara bajo su propia responsabilidad que la máquina 3. Cumple con las especificaciones de las directivas 4. Referencias a las Normas armonizadas 5. Nivel de potencia sonora garantida 6. Ancho de corte 7. Persona autorizada a elaborar el Manual Técnico 8. Lugar y Fecha</p>	<p>FR Déclaration CE de Conformité (Directive Machine 2006/42/CE, Annexe II, partie A) 1. La Société 2. Déclare sous sa propre responsabilité que la machine 3. Est conforme aux spécifications des directives 4. Références aux normes harmonisées 5. Niveau de puissance sonore garanti 6. Largeur de coupe 7. Personne habilitée à établir le Dossier Technique 8. Lieu et Date</p>	<p>DE CE-Konformitätserklärung (Maschinenrichtlinie 2006/42/EG, Anhang II, Teil A) 1. Die Firma 2. Erklärt auf eigene Verantwortung, dass die Maschine 3. Konform mit den technischen Anforderungen der Richtlinien ist 4. Referenzen auf die harmonisierten Normen 5. Garantiertes Schallleistungspegel 6. Garantierte Schnittbreite 7. Person, die befugt ist, den Technischen Unterlagen herbeizuführen 8. Ort und Datum</p>
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<p>FR Déclaration CE de Conformité (Directive Machine 2006/42/CE, Annexe II, partie A) 1. La Société 2. Déclare sous sa propre responsabilité que la machine 3. Est conforme aux spécifications des directives 4. Références aux normes harmonisées 5. Niveau de puissance sonore garanti 6. Largeur de coupe 7. Personne habilitée à établir le Dossier Technique 8. Lieu et Date</p>	<p>ES Declaración de Conformidad CE (Directiva Máquinas 2006/42/CE, Anexo II, parte A) 1. La Empresa 2. Declara bajo su propia responsabilidad que la máquina 3. Cumple con las especificaciones de las directivas 4. Referencias a las Normas armonizadas 5. Nivel de potencia sonora garantida 6. Ancho de corte 7. Persona autorizada a elaborar el Manual Técnico 8. Lugar y Fecha</p>	<p>NL CE-Verklaring van overeenstemming (Machines Richtlijn 2006/42/EG, Bijlage II, deel A) 1. Het Bedrijf 2. Verklaart onder zijn eigen verantwoordelijkheid dat de machine 3. In overeenstemming is met de specificaties van de richtlijnen 4. Referentie aan de geharmoniseerde normen 5. Garandeerd een geluidvermogen 6. Garantie van de snijbreedte 7. Persoon die verantwoordelijk is voor het opstellen van het Technisch Dossier 8. Plaats en Datum</p>
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<p>FR Déclaration CE de Conformité (Directive Machine 2006/42/CE, Annexe II, partie A) 1. La Société 2. Déclare sous sa propre responsabilité que la machine 3. Est conforme aux spécifications des directives 4. Références aux normes harmonisées 5. Niveau de puissance sonore garanti 6. Largeur de coupe 7. Personne habilitée à établir le Dossier Technique 8. Lieu et Date</p>	<p>ES Declaración de Conformidad CE (Directiva Máquinas 2006/42/CE, Anexo II, parte A) 1. La Empresa 2. Declara bajo su propia responsabilidad que la máquina 3. Cumple con las especificaciones de las directivas 4. Referencias a las Normas armonizadas 5. Nivel de potencia sonora garantida 6. Ancho de corte 7. Persona autorizada a elaborar el Manual Técnico 8. Lugar y Fecha</p>	<p>IT Dichiarazione CE di Conformità (Direttiva Macchine 2006/42/CE, Allegato II, parte A) 1. L'Impresa 2. Dichiaro sotto la propria responsabilità che la macchina 3. È conforme alle specifiche delle direttive 4. Riferimento alle norme armonizzate 5. Livello di potenza sonora garantito 6. Ampiezza di taglio 7. Persona autorizzata a elaborare il Manuale Tecnico 8. Luogo e data</p>
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 Model:
 Year S/N°


LWA

dB



As soon as you have purchased the machine, write the machine identification data (3 - 5 - 6) found on the identification label in the spaces provided (➤ 2.1 - IDENTIFICATION OF THE MACHINE).

GGP ITALY SPA

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