



**BLUEBIRD
INDUSTRIES**

User manual

- the translation of the original instructions -

TR SL 98H - TR SL 108H – TR SL 108H TWIN



WARNING!

Read this manual carefully before using the machine.

INTRODUCTION

INTRODUCTION

Dear customer,

thank you for choosing one of our products. We hope that you are fully satisfied with your new machine and that it meets your expectations.

This manual has been written to help you become familiar with the machine and to use it safely and efficiently. Remember that it is an integral part of the machine and should therefore be kept handy for future reference and handed over to the buyer in case of sale of the machine.

This new mower has been designed and manufactured in accordance with current regulations and is safe and reliable when used for cutting and collecting grass by following the instructions in this manual (**proper use**). If you use the machine in any other way or ignore the instructions regarding maintenance, repair, and safe use, you are using it "**improperly**". In this case, the warranty is automatically voided and the manufacturer is not responsible for any damage or injury suffered by you or third parties.

As our products are constantly being improved, you may notice slight differences between the machine you are using and the descriptions contained in this manual. We may make changes to the machine without notice and without any obligation to update the manual, even if this does not result in changes to the essential safety and operating features. If in doubt, do not hesitate to contact your dealer. Good work!

AFTER-SALES SERVICE

This manual provides all the instructions necessary for using the machine and for basic maintenance.

All adjustments or maintenance work not described in this manual must be carried out by your dealer or by a specialized service center. Both have the knowledge and equipment necessary to ensure that the work is carried out correctly without compromising the safety of the machine.

By trusting them, you will be able to maintain the performance of your new purchase and preserve its value over time.

For any replacement, please contact your dealer.

INTRODUCTION



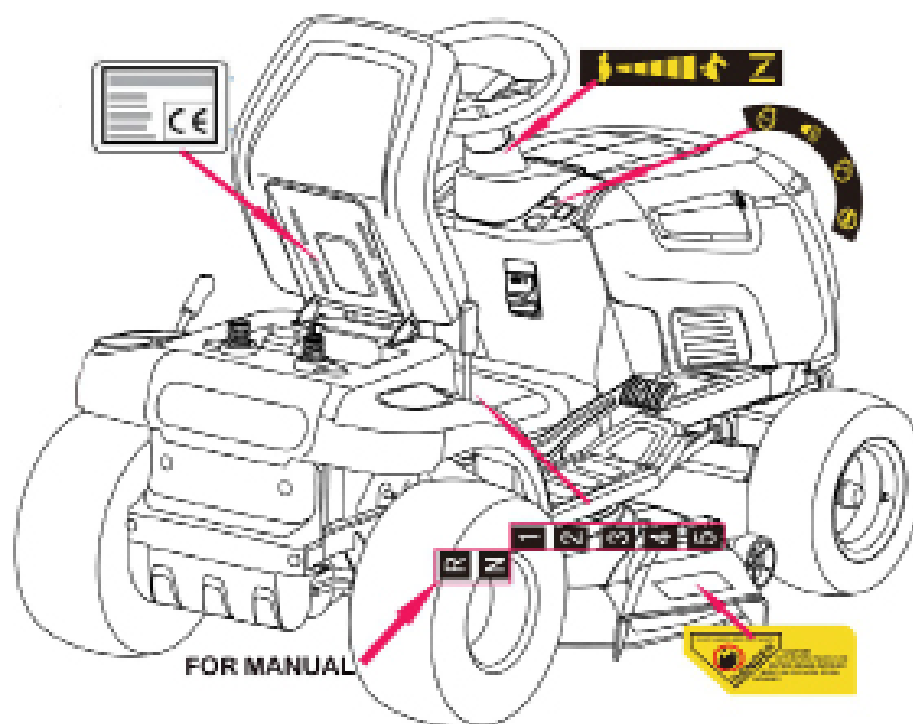
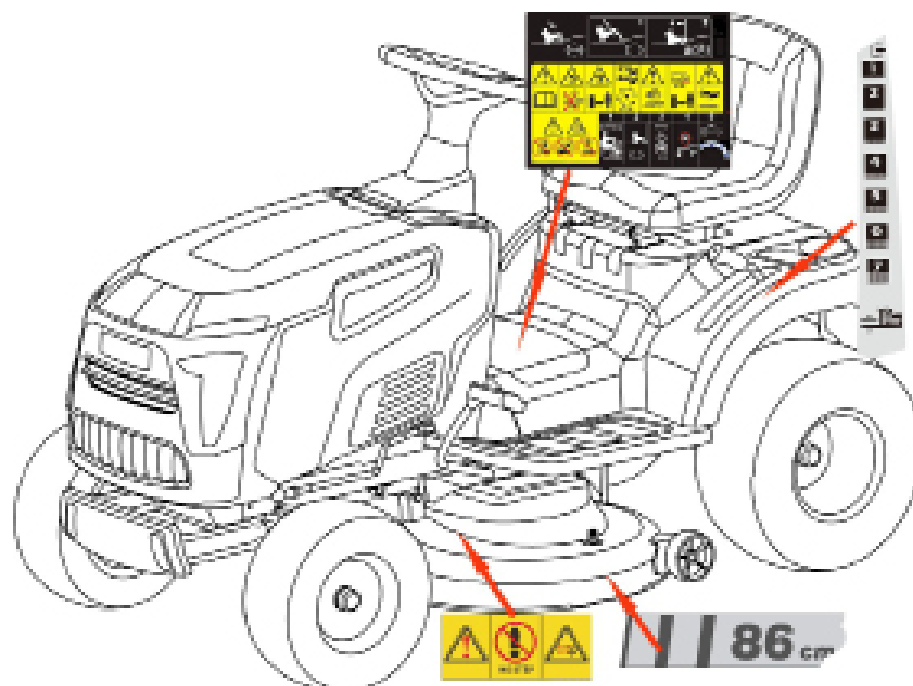
IMPORTANT

The lawn mower must always be used with the utmost caution. To ensure that the safety instructions and operating instructions are always at hand, pictogram labels illustrating the main usage precautions have been affixed to the machine.

As these labels, in accordance with current safety standards, are considered an integral part of the machine, the user must replace them if they come off or become illegible.

INTRODUCTION

LABEL POSITION



INTRODUCTION

IMPORTANT

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1. SAFETY

1.1 HOW TO READ THE MANUAL

Certain paragraphs in the manual containing important safety and operating information are highlighted as follows.

NOTE o **IMPORTANT** They provide clarifications or additional information on what has already been said, in order to avoid damaging the machine.

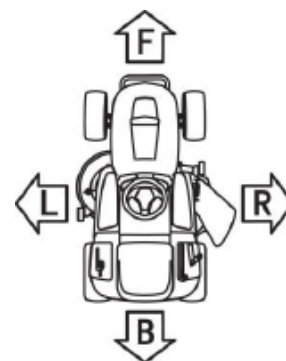
Failure to comply with this rule poses a risk of injury to yourself or others.

DANGER **Failure to comply with this rule poses a risk of serious injury or death to yourself or others.**

This manual describes the different versions of the machine

NOTE The positions on the machine, such as "front", "rear", "left" or "right", refer to the direction of forward movement.

IMPORTANT For all operations related to the use and maintenance of the engine that are not described in this manual, please refer to the corresponding manuals that are an integral part of all the documentation provided with the machine.



1.2 GENERAL SAFETY RULES

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

A) TRAINING

1) Read the instructions carefully. Familiarize yourself with the controls and the correct use of the equipment.

2) Do not allow children or persons unfamiliar with these instructions to use the machine. Local regulations may impose age limits on the user.



3) Never mow the grass when pets or people (especially children) are nearby, or in the dark.

4) Remember that the operator or user is responsible for any accidents or hazards they expose other people or their property to.

5) Do not carry passengers.

6) Every driver must seek and obtain practical and professional training.

This training should emphasize:

- the need to be attentive and focused when working on machines with an operator on board;

SAFETY

- The impossibility of using the brake to regain control of a machine with an operator on board that is sliding down a slope. The main causes of loss of control are:
- insufficient wheel traction;
- excessive speed;
- inadequate braking;
- the type of machine is not suitable for the function;
- lack of knowledge of the effect of ground conditions, especially slopes;
- incorrect coupling and load distribution;

(B) PREPARATION



- 1) When mowing the grass, always wear sturdy shoes and long trousers. Do not use the device barefoot or with open sandals.

- 2) Carefully inspect the area where the equipment is used and remove all objects that could be thrown by the machine.



- 3) DANGER! Gasoline is highly flammable:



- Store fuel in containers specially designed for this purpose;



- Refuel only outdoors and do not smoke during refueling;

- Add fuel before starting the engine. Never remove the fuel tank cap or add fuel when the engine is running or hot;

- In case of a gasoline spill, do not start the engine and move the machine away from the spill area. Do not create sources of ignition until the gasoline vapors have evaporated;

- Remove and firmly tighten the caps of the tank and fuel container.

- 4) Replace defective mufflers.

- 5) Before using the machine, always check that the blades, bolts, and cutting unit are not worn or damaged. Replace worn or damaged blades and bolts as a set to ensure the balance of the machine.

- 6) On machines with multiple blades, remember that the rotation of one blade may cause the other blades to rotate.

C) OPERATION



- 1) Do not start the engine in a confined space where fumes dangerous carbon monoxide may accumulate.

SAFETY

- 2) Mow the grass only in daylight or with good artificial lighting.
- 3) Before starting the engine, disengage the blades and put it in neutral.
- 4) Do not use the machine on longitudinal slopes greater than 15° (27%); do not use the machine on lateral slopes greater than 10° (18%).
- 5) Keep in mind that there is no such thing as a "safe" slope. Operating on grassy slopes requires special attention. To avoid tipping over
 - do not stop or start suddenly when going uphill or downhill;
 - do not stop or start suddenly when going uphill or downhill;
 - engage the gear slowly and keep it engaged at all times, especially when going downhill;
 - the speed of the machine should be kept low on slopes and in sharp turns;
 - watch out for bumps, hollows, and other hidden hazards;
 - never mow grass in the direction of the slope.
- 6) Be careful when towing loads or using heavy equipment:
 - use only approved towing hooks;
 - Limit loads to those you can control safely;
 - Do not take sharp turns. Be careful when reversing;
 - Use counterweights or wheel weights when indicated in the operating instructions.
- 7) Stop the blades before crossing surfaces other than grass.
- 8) Never use the machine if the guards are damaged or if the safety devices are not in place.
- 9) Do not modify the engine controller settings and do not increase the engine speed. Operating the engine at excessive speed may increase the risk of injury.
- 10) Before leaving the driver's seat:
 - disengage the blades and lower the attachment points;
 - Put the engine in neutral and apply the parking brake;
 - stop the engine and remove the ignition key.
- 11) Disengage the blades, turn off the engine, and remove the ignition key:
 - before removing obstructions or clearing the collector channel;
 - before cleaning, checking, or servicing the machine;
 - before cleaning, checking, or servicing the machine;
 - after hitting a foreign object. Before restarting and using the machine, check that it is not damaged and repair it;
 - if the machine starts to vibrate abnormally (check the cause immediately).

SAFETY

12) Disengage the blades during transport or when they are not in use.

13) Stop the engine and disengage the blades:

- before refueling;

- before adjusting the height, unless the adjustment cannot be made from the operator's seat.

14) Reduce acceleration in case of engine misalignment. If the engine is equipped with a shut-off valve, turn off the fuel supply at the end of mowing.

15) Pay attention to traffic when crossing a road or when you are nearby.

16) Never direct the discharge of materials toward bystanders and do not allow anyone to approach the machine while it is operating.

17) Use original spare parts. Original spare parts and accessories have been specially designed for this machine. The use of non-original spare parts and accessories will compromise the safety of the person and/or the machine.

18) Do not mow during thunderstorms. No protection against lightning.

19) Prolonged exposure to noise can cause permanent hearing damage. This is why you should always use approved hearing protection and reduce working hours.

20) Do not use the ride-on mower and/or its attached accessories if you are tired, ill, or after consuming alcohol, drugs, or medications that impair reaction time and/or concentration.

21) The lawn mower must not be used if the grass catcher is not in place or if the automatic closing discharge opening guard is not installed.

22) While working, wear sturdy shoes with non-slip soles and protective clothing. Do not use the equipment if you are barefoot or wearing sandals.

23) To reduce the impact of noise and vibration emissions, limit usage time, use low-vibration and low-noise operating modes, and wear personal protective equipment. Take the following points into account to minimize risks related to exposure to vibration and noise:

- Use the machine only in accordance with its design and these instructions.
- Make sure the machine is in good condition and well maintained.
- Use accessories suitable for the machine and make sure they are in good condition.
- Hold the steering wheel firmly.
- Maintain this machine in accordance with these instructions and ensure it is well lubricated (if applicable).

SAFETY

- Plan your work schedule to spread the use of high-vibration tools over a longer period.
- Prolonged use of the machine exposes the user to vibrations that can cause a range of disorders known as hand-arm vibration syndrome (HAVS), such as finger blanching, as well as specific diseases such as carpal tunnel syndrome. To reduce this risk when using the machine, always wear protective gloves and keep your hands warm.
- Plan your work schedule to spread the use of high-vibration tools over a longer period.
- Prolonged use of the machine exposes the user to vibrations that can cause a range of disorders known as hand-arm vibration syndrome (HAVS), such as finger blanching, as well as specific diseases such as carpal tunnel syndrome. To reduce this risk when using the machine, always wear protective gloves and keep your hands warm.

IMPORTANT Anyone using the lawn tractor must first become familiar with the instructions in this manual and with the controls to ensure correct and safe use of the machine.

D) MAINTENANCE AND STORAGE

- 1) Tighten all nuts, bolts, and screws to ensure the equipment is in good working condition.
- 2) Never store the equipment with gasoline in the tank inside a building where vapors could reach an open flame or spark.
- 3) Allow the engine to cool before storing it in an enclosed space.
- 4) To reduce the risk of fire, make sure the engine, muffler, battery compartment, and fuel tank are free of grass, leaves, or excess grease.
- 5) Frequently check the grass catcher for wear or deterioration.
- 6) Replace worn or damaged parts for safety reasons.
- 7) If the fuel tank needs to be emptied, this operation must be carried out outdoors.
- 8) On machines with multiple blades, remember that rotating one blade may cause the others to rotate.
- 9) When the machine must be parked, stored, or left unattended, lower the cutting device unless a positive mechanical lock is used.

IMPORTANT The blades are sharp, risk of serious injury! Before carrying out any inspection, cleaning, or repair on cutting parts, stop the engine and remove the ignition key. Then, disconnect the spark plug wire and move the spark plug cap away to prevent accidental starting.

1.3 SAFETY LABELS

The machine must be used with caution. For this reason, labels have been affixed to the machine with illustrations reminding you of the main precautions to take during use.

These labels should be considered an integral part of the machine.

If a label comes off or becomes illegible, contact your dealer to replace it. The meaning of each label is explained below.



Warning:

Read the instructions before using the machine.



Danger!

Risk of injury.

Moving blades: the blade continues to rotate for some time after the engine stops or the blade control is deactivated.



Warning:

Remove the ignition key and read the instructions before performing any repair or maintenance operation.



Warning:

Do not step on the plate or the protective grid.

Warning:

Do not step on the plate or the protective grid.



Danger! Ejected objects:

Do not use the device without the discharge guard or grass catcher in place.



Danger! Ejected objects:

Warning: Keep bystanders away.



Danger! Dismemberment:

Ensure that children always stay away from the machine when the engine is running.



Warning!

Never use pressure washers to clean the drive system.



Danger!

Risk of burns Wait until the engine has completely cooled down before making any adjustments or maintenance.



Warning:

KEEP HANDS AND FEET AWAY FROM THE BLADES

Danger!

Risk of serious injury

Keep hands and feet away from the blade and all moving parts.



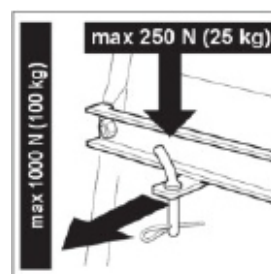
Danger!

Risk of tipping over on steep slopes

WARNING! Do not use the machine on longitudinal slopes greater than 15° (27%). Do not use the machine on lateral slopes greater than 10° (18%).

1.4 TOWING RULES

A towing kit for pulling a small trailer is available on request. When using the towing kit, this accessory must be installed according to the provided instructions. Do not exceed the recommended loads indicated on the label and follow the safety instructions.

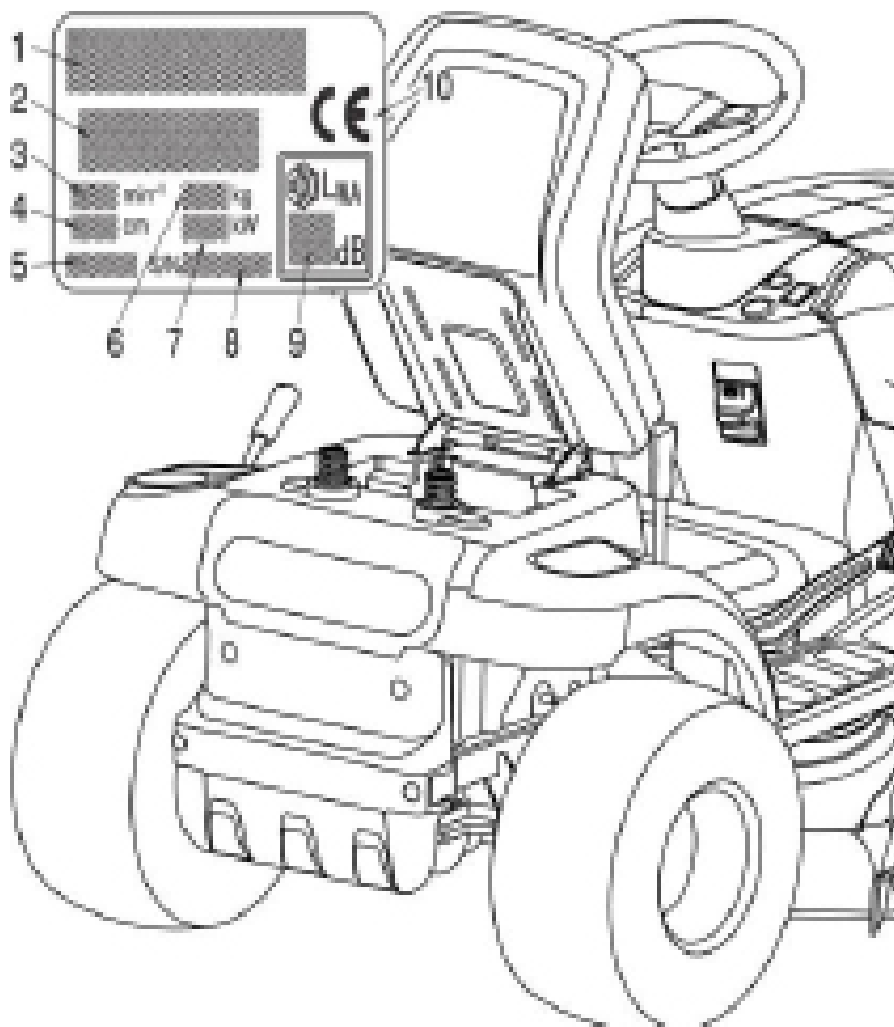


2. IDENTIFICATION OF MACHINES AND COMPONENTS

2.1 IDENTIFICATION OF THE MACHINE

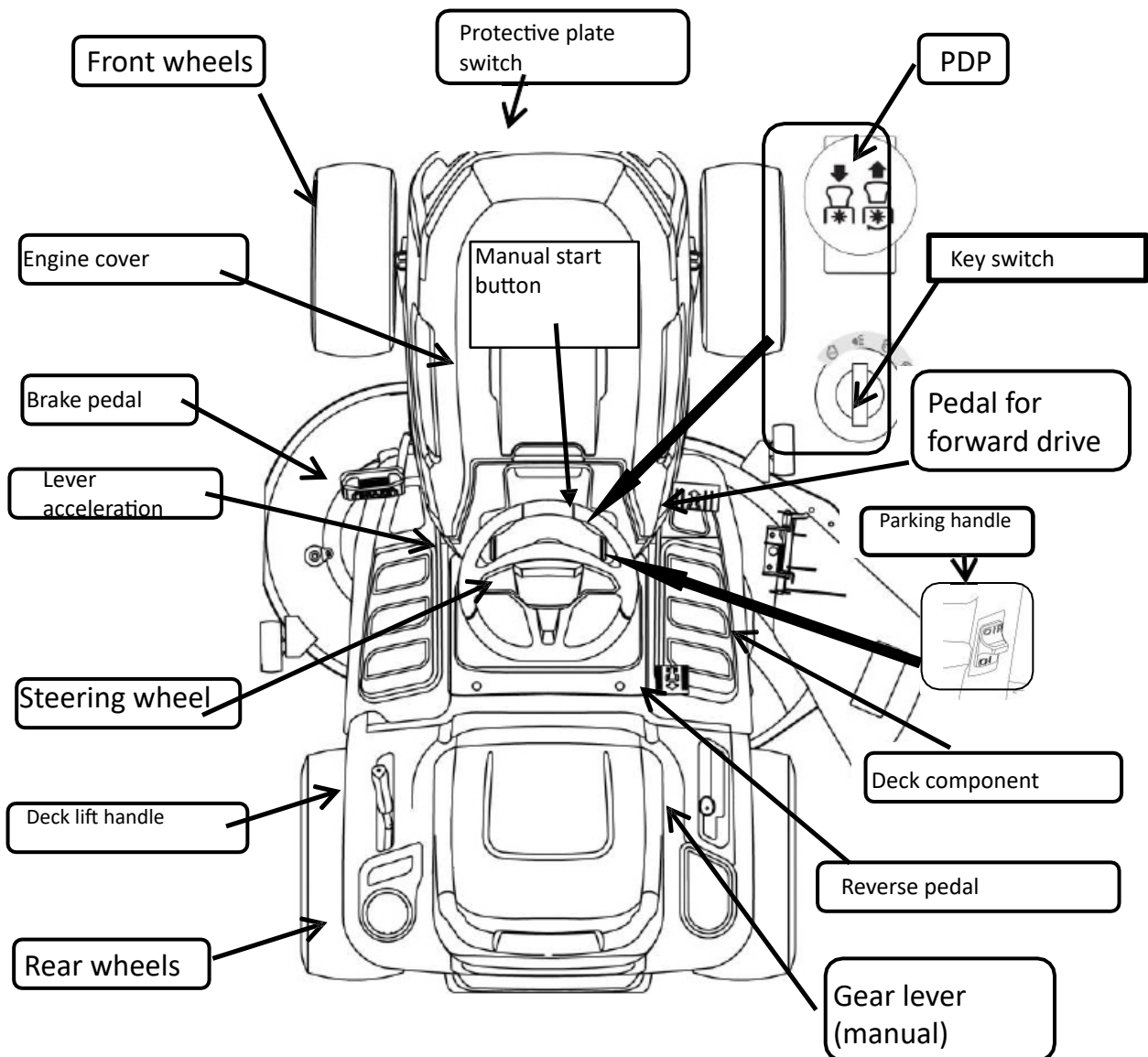
The label located in the seat support shows the essential data of each machine

1. Name and address of the manufacturer.
2. Name of the machine
3. Type of machine
4. Cutting width
5. Weight of the machine
6. Rated engine power
7. Serial number
8. Year of production
9. Acoustic power level in accordance with Directive 2000/14/EC
10. Conformity marking in accordance with Directive 2006/42/EC



2.2 IDENTIFICATION OF MAIN COMPONENTS

The main components of the machine are as follows:



3. UNPACKING AND ASSEMBLY

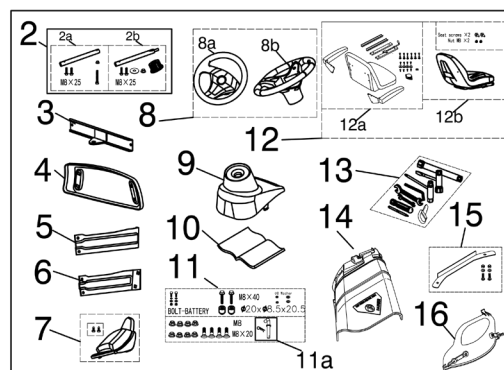
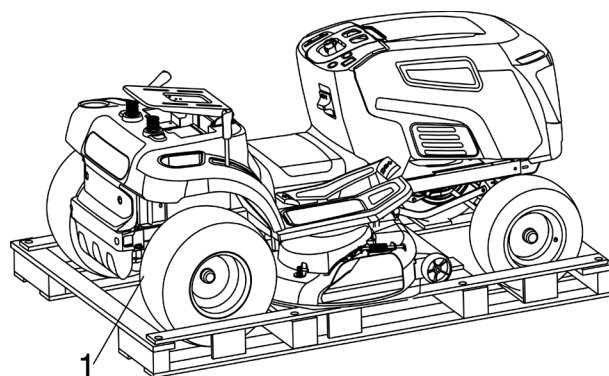
For storage and transport reasons, some components of the machine are not factory-installed and must be assembled after unpacking. Follow the instructions below

IMPORTANT The machine is delivered without oil or fuel. Before starting the engine, fill it with oil and fuel according to the instructions in the engine manual.

3.1 UNPACKING

When unpacking the machine, make sure to take all individual parts and accessories and not to damage the cutting deck when removing the machine from the pallet.

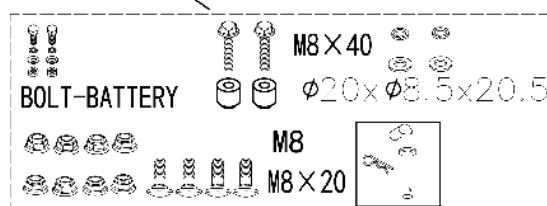
1. Machine body
2. Steering shaft
3. Tow bar
4. Bumper
5. Left bumper support
6. Right bumper support
7. Steering wheel cover
8. Steering wheel
9. Steering wheel support
10. Instruction manual
11. Nuts, bolts, washers, spacers
12. Seat
13. Instruments and ignition key
14. Side deflector
15. Reinforcement and washers, bolts, nuts
16. Mulching kit (if applicable)



NOTE

To avoid damaging the cutting deck, lift it to its maximum height and be very careful when removing the machine from the pallet.

11

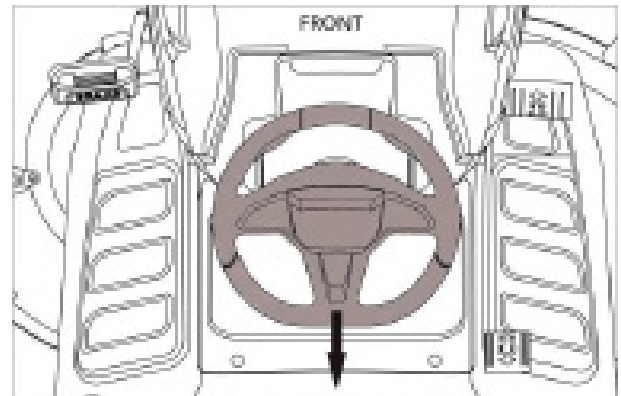
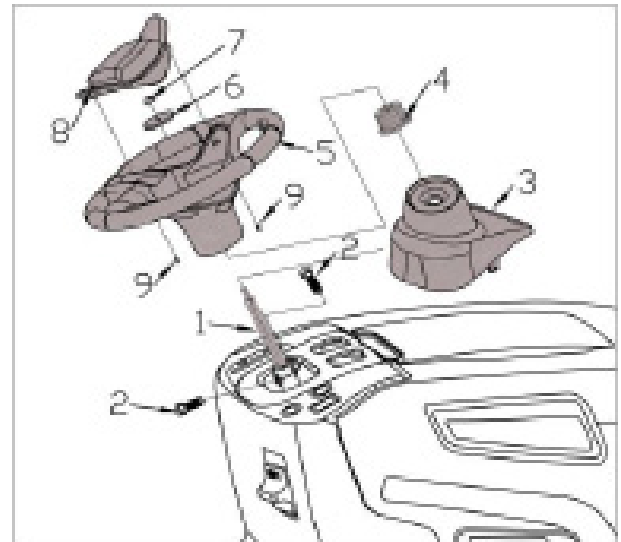


11a

3.2 STEERING WHEEL ASSEMBLY

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

- a. Mount the shaft (1) onto the couplings and tighten the M8x25 screw (2). (Use the 5 mm hex key among the tools provided).
- b. Install the steering shaft cover (3).
- c. Insert the splined hub (4) onto the shaft (1), install the wheel (5), the spacer (6), and tighten the M8 nut (7). (Use the 13-15 mm open-end wrench among the tools provided).
- d. Insert the steering wheel cover (8) into the steering wheel and tighten the two screws

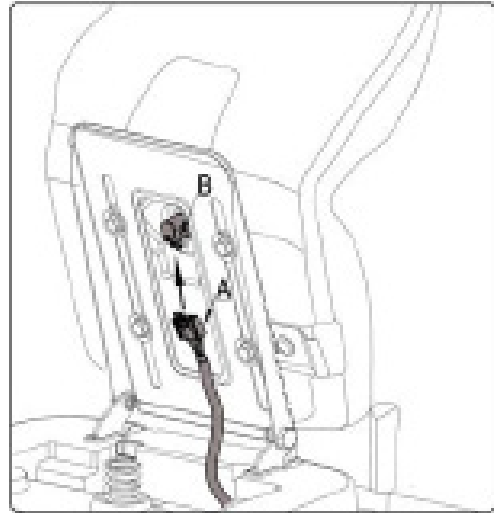
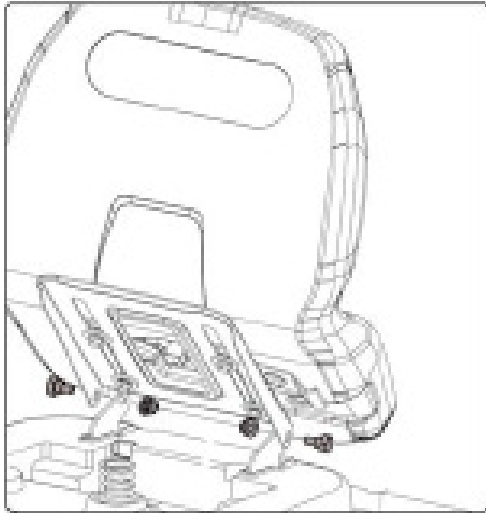


NOTE

Pay attention to the direction when assembling the steering wheel.

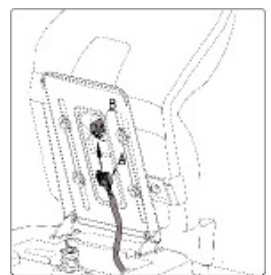
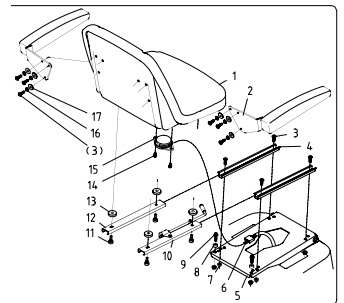
3.3 SEAT ASSEMBLY

1. Loosen the 2 M8 nuts and the 2 seat support screws. (Use the open-end wrench 13-15 in the accessory tools).
2. Mount the seat on the seat support using the 2 M8 nuts and the 2 released screws.
3. Connect wiring harness A and switch B under the seat.



For luxury seats only (if applicable):

1. Remove the slides (No. 4, No. 10, No. 11) from their packaging and install them with the seat washers $\phi 32 \times \phi 10.5 \times 8$ (No. 13) and the seat (No. 1) using the M8x20 screws (No. 11).
2. Install the seat switch components (No. 15) using the M6x16 screws (No. 14).
3. Remove the pre-installed stop bolts (No. 9) and the spacer (No. 8) from the base plate of the sliding rail (No. 5), move the sliding rail to the end and secure the front of the seat sliding rail assembly mounted in step 1 to the base plate of the sliding rail (No. 5) using the M8x16 screws (No. 3) and M8 nuts (No. 7).
4. Move the sliding rail forward and secure the rear of the seat sliding rail assembly to the base plate of the sliding rail (No. 5) using the M8x16 screws (No. 3) and M8 nuts (No. 7).
5. Reinstall the stop bolt (No. 9) removed in step 2.
6. Attach the armrest (No. 2) to the back of the seat using the screws, spring washers, and flat washers (No. 3, No. 16, No. 17).
7. Connect cable A and switch B under the seat.



3.4 BATTERY CONNECTION



The liquid electrolyte is a solution of sulfuric acid. Danger: sulfuric acid is toxic



Danger: Sulfuric acid is corrosive and can cause blindness or severe burns.



Danger: Keep out of reach of children.



For EU countries only
Never dispose of power tools in household waste.

In accordance with European Directive 2012/19/EU on waste electrical and electronic equipment and its incorporation into national legislation, old power tools must be separated from other waste and disposed of in an environmentally friendly manner, for example by taking them to an ecological disposal site.

Alternative recycling to return:

If the owner wishes to dispose of the equipment, instead of returning it to the manufacturer, they must ensure it is disposed of appropriately. The equipment can be taken to an appropriate collection point that will dispose of it in accordance with national recycling and waste disposal regulations. This provision does not apply to accessories or aids without electrical components supplied with the device for disposal.

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Subject to technical modifications.



1) Insert the battery into its compartment.

IMPORTANT

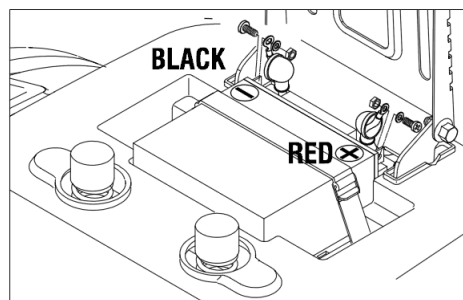
Place the battery respecting the (+) and (-) polarities.

2) Connect the battery connectors to the machine's connection cables and tighten the two screws. Then cover the 2 wires with the protective cap. (Use the 8-10 open-end wrench and Phillips screwdriver among the tools provided)

3) Secure the battery with the elastic band.

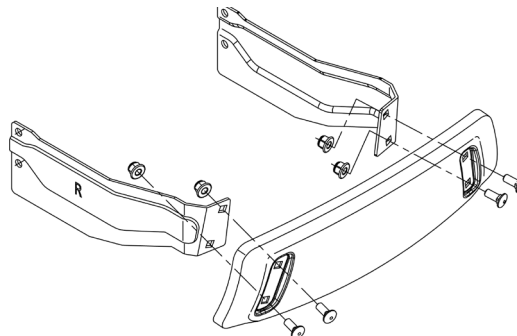
NOTE

This machine uses a **12 V - 18Ah** battery. The battery is fully charged before leaving the factory. If the battery is not sufficiently charged, use a 12 V 1A power supply to charge it

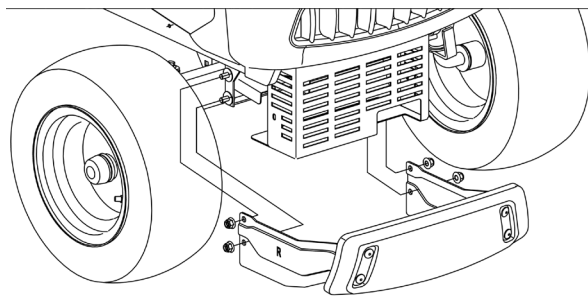


3.5 FRONT BUMPER ASSEMBLY

a. Mount the L and R brackets on the bumper using 4 M8 nuts and 4 M8x20 screws. (Use the 13-15 mm open-end wrench among the tools provided).



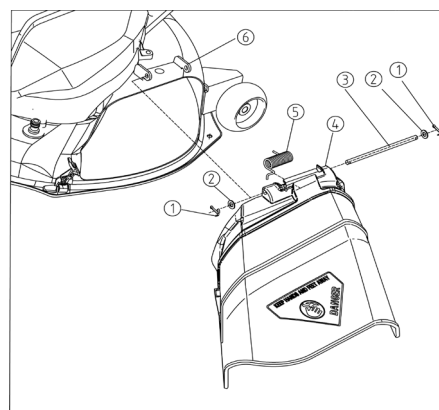
b. Attach the front bumper to the bottom of the chassis using the 4 M8 nuts. (Use the 13-15 open-end wrench provided in the accessory tools.)



3.6 INSTALLATION OF THE SIDE DEFLECTOR

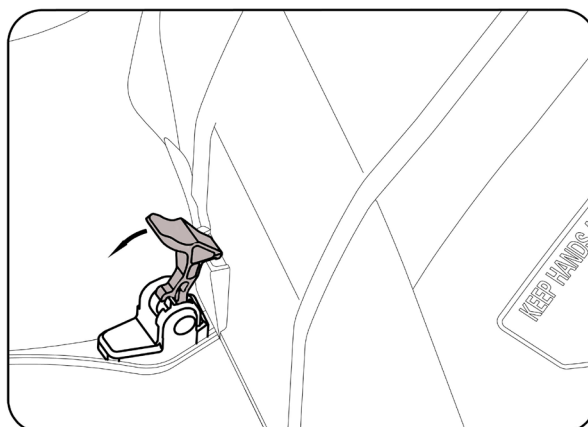
- Insert the split pin (1) and the washer (2) into the right end of the pin (3);
- Insert the shaft of the pin into the side deflector (4), the bracket (6), and the torsion spring (5) in this order, then insert the washer (2) and the split pin (1) at the other end.
- Bend the open end of the split pin.

Note: when opening the side flap, first press the automatic lock button and do not force it open.



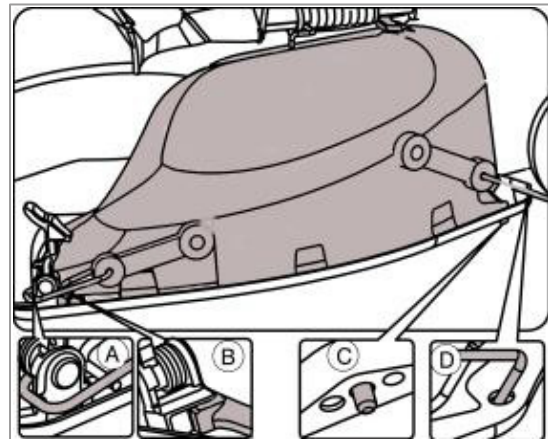
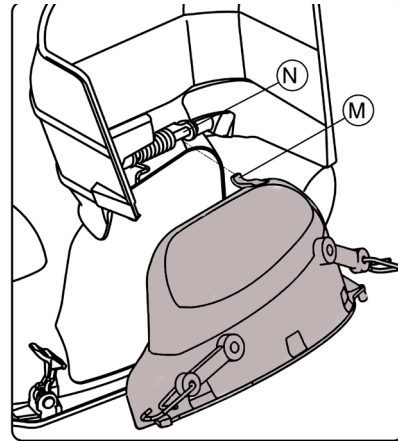
3.7 ASSEMBLY OF THE MULCHING KIT (if applicable)

If the user wishes to mow the grass, cut it, and leave it on the lawn, a "mulching" kit is available on request. The kit must be mounted on the cutting deck as shown in the manual.



UNPACKING AND ASSEMBLY

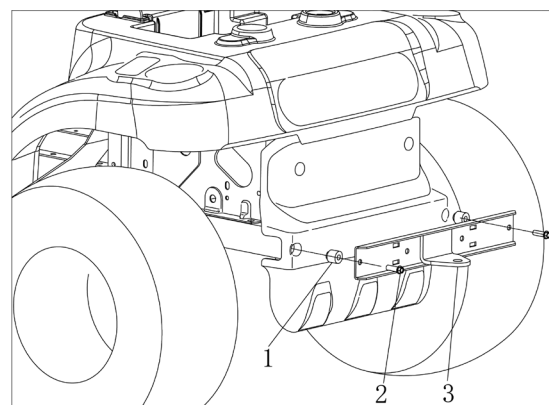
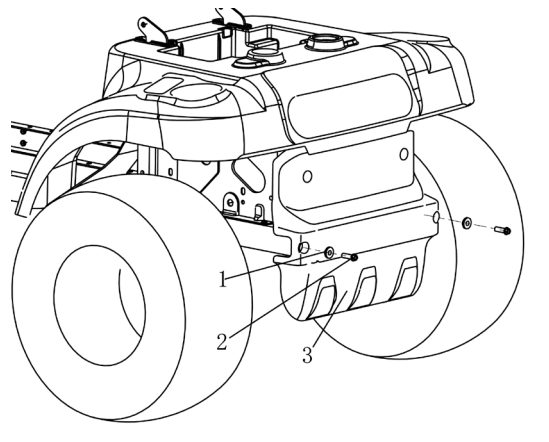
- a. Press the push-button latch to open the side deflector;
- b. Pass the tab (M) of the mulching kit through the lower part of the pin (N), insert the lower left corner of the mulching kit into the space under the base of the self-locking parts (figure B), and insert the right pin into the hole in the plate (figure C);
- c. Hook the left hook into the groove at the base of the self-locking parts (figure A) and the right hook into the hole in the plate (figure D).



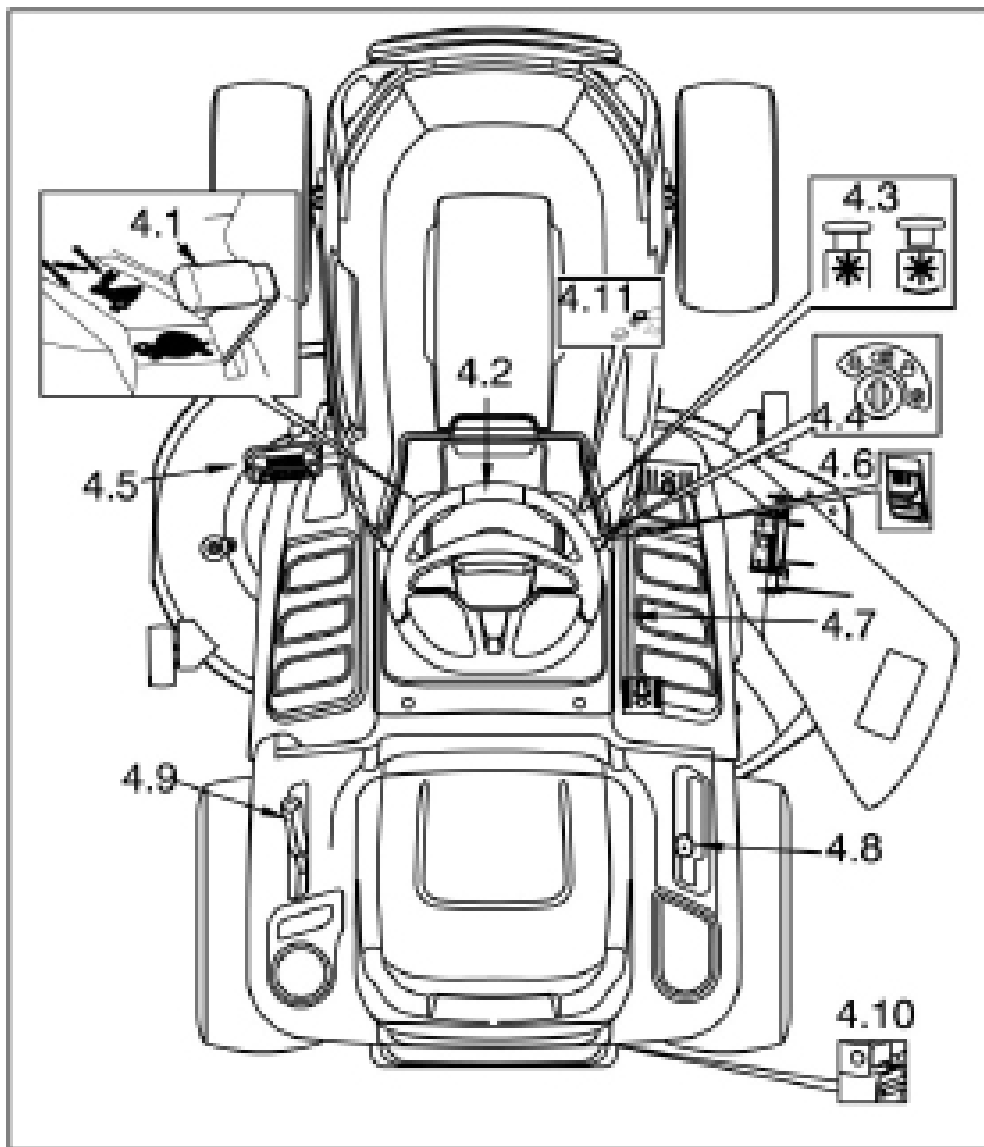
3.8 INSTALLATION OF THE TOWING KIT

- a. Remove the sleeve from the tension arm (1) and the M8×20 hex flange bolts (2) that secured the reducer cover (3);

- b. Insert the cushion sleeve (1) into the bolt hole from which you just removed the bolt, align the towing plate (3), then secure it using an M8*40 hex flange bolt (2).



4. CONTROLS AND TOOLS



4.1 THROTTLE LEVER

Adjusts the engine speed. The positions are indicated on a label with the following symbols:



"CHOKE" (STARTER) cold start



"SLOW" for engine idle speed



"FAST" for maximum engine speed

- The "CHOKE" position enriches the mixture and should only be used for the time necessary for a cold start.
- To move from one area to another, place the lever in a position between "SLOW" and "FAST".
- When mowing grass, place the lever in the "FAST" position.

4.2 STEERING WHEEL

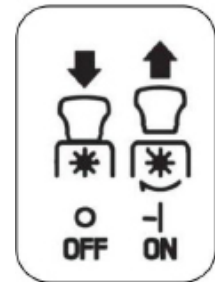
Turn the front wheels.

4.3 BLADE START/STOP BUTTON

The blade start/stop button is located on the right side console, in front of the key switch.

The blade start/stop button operates the electric clutch.

Pull the button up to engage the blades or push it down to disengage them.



4.4 IGNITION KEY SWITCH

This key switch has four positions:



"OFF": stops the entire system.



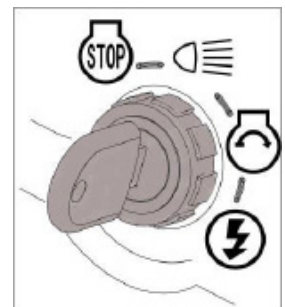
"ON": activates all components.



The "START" button connects the starter motor. If you release the button on "START", it automatically returns to "ON".



When the switch is in position, the key powers the front lights.



4.5 Brake pedal

The brake pedal is located at the front left of the machine.

The brake pedal can be used for sudden stops or to **apply the parking brake**.

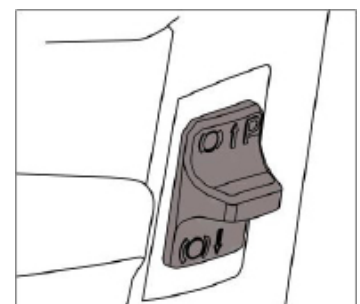


NOTE When the machine is moving, do not rest your foot on the pedal.

4.6 PARKING BRAKE LEVER

When the vehicle is stationary:

- 1) Keep the brake pedal pressed;
- 2) Lift the parking brake lever and hold it in the up position;
- 3) Release the pedal





This keeps the rear wheels braked. To release the parking brake, press the pedal fully (the parking brake lever releases automatically and returns to the down position).

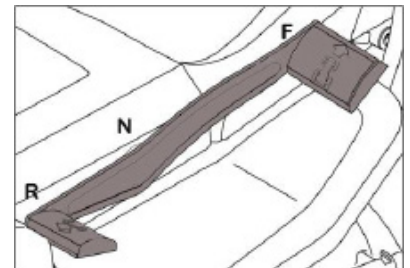
NOTE The engine should only start if:

- the operator is in position;
- the parking brake is engaged (only for mechanical models);
- the transmission and cutting means are disengaged.

4.7 GEAR ENGAGEMENT (for models with hydrostatic transmission)

This pedal engages the transmission to the wheels and controls the forward and reverse speeds of the machine.

- To engage forward drive, press the "F" button with your toe. By increasing pressure on the pedal, the speed of the machine increases.
- Reverse is engaged by pressing the pedal with your heel towards "R".
- If released, the pedal automatically returns to the neutral "N" position.



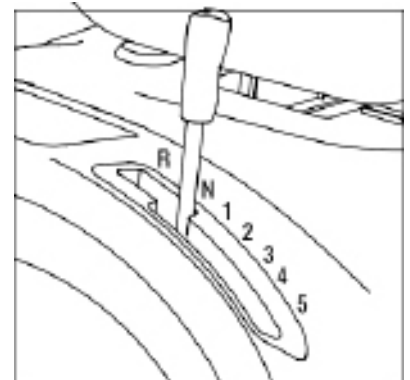
WARNING Reverse should only be engaged when the vehicle is at a complete stop.

NOTE Make sure the parking brake is released before driving the mower.

4.8 GEAR LEVER (for models with manual gearbox)

This lever has seven positions for the 5 forward speeds, the neutral "N" position, and reverse "R".

When shifting the gear lever, press the pedal to disengage the drive belt and move the lever as indicated on the label. Never shift the lever directly from forward to reverse or from reverse to forward unless the machine is completely stopped.



WARNING Only shift into reverse when the vehicle has come to a complete stop.

4.9 CUTTING HEIGHT ADJUSTMENT LEVER



It allows you to raise or lower the blade deck and thus adjust the cutting height of the grass. This lever has seven positions (indicated by "1" to "7" on the label), corresponding to different heights between 30 and 90 mm.

4.10 SEE DESCRIPTION UNDER 5.3.5

4.11 Reverse Button (RMO)

The reverse button is located on the right side of the console, to the left of the blade start/stop button. The blades stop in reverse. If the blades also operate in reverse, always press the RMO button.

NOTE: It is not recommended to mow in reverse

5. HOW TO USE THE MACHINE

5.1 SAFETY RECOMMENDATIONS

DANGER The machine should only be used for its intended purpose (cutting grass). Do not alter or remove the safety devices installed on the machine.

REMEMBER THAT THE USER IS ALWAYS RESPONSIBLE FOR DAMAGE AND INJURY CAUSED TO THIRD PARTIES. Before using the machine:

- read the general safety rules, paying particular attention to driving and mowing on slopes;
- read the user manual carefully, familiarize yourself with the controls, and know how to quickly stop the blades and engine;
- never put your hands or feet near or under rotating parts and always keep away from the power outlet.

Do not use the machine if you are in poor health or under the influence of drugs or other substances that may impair reflexes and concentration. It is the user's responsibility to assess the potential risks of the area where they will be working and to take all necessary precautions to ensure their own safety and that of others, especially on slopes or uneven, slippery, and unstable ground.

Do not leave the machine in tall grass with the engine running to avoid any risk of fire. Do not use the machine without the side deflector.

WARNING

Do not use the machine on slopes greater than 15° (27%). Do not use the machine on terrain with side slopes greater than 10° (18%). If you plan to use the machine mainly on sloping ground, install counterweights under the front axle. These counterweights improve front stability and reduce the risk of tipping over.

IMPORTANT

All references to control positions are described in section 4.

5.2 REASONS WHY SAFETY DEVICES ARE ACTIVATED

The safety devices operate in two ways

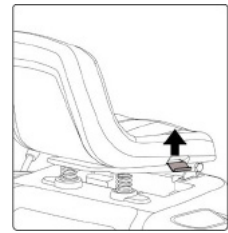
- they prevent the engine from starting if all safety requirements are not met;
 - they stop the engine if even one of the safety conditions is not met.
- a) To start the engine, it is necessary that
- the blades are not engaged;
 - the parking brake is engaged and the transmission is disengaged;
 - the operator is seated on the seat;
- b) The engine stops when:
- the operator gets up from the seat during mowing or driving;

5.3 INSTRUCTIONS BEFORE STARTING WORK

Before starting to mow, several checks and operations must be carried out to ensure efficient and safe work.

5.3.1 Seat adjustment

To adjust the seat position, lift the seat adjustment lever, slide the seat forward or backward to the desired position, then release the adjustment lever. Make sure the seat is locked in position before using the machine.



Only for luxury seats (if applicable).

To adjust the seat position, pull up and lock the seat adjustment lever. Slide the seat forward or backward to the desired position, then release the adjustment lever. Make sure the seat is locked in place before using the lawn tractor.



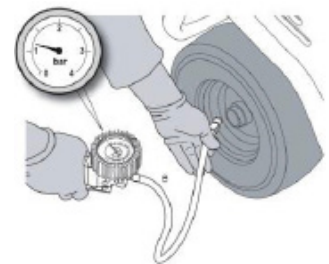
5.3.2 Tire pressure

The correct tire pressure is the main condition for the cutting deck to be level and for mowing to be uniform. Unscrew the valve caps and connect a compressed air hose with a pressure gauge to the valves.

The reference pressures are as follows

FRONT 1.0 bar (15 x 6.0-6)

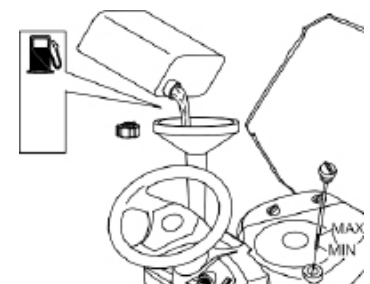
REAR 1.2 bar (18 x 8.5-8)



5.3.3 Fuel and oil check

WARNING!

**THE OIL WAS REMOVED BEFORE SHIPPING.
FAILURE TO FILL THE OIL SUMP BEFORE STARTING THE
ENGINE WILL CAUSE PERMANENT DAMAGE AND VOID
THE ENGINE WARRANTY.**



NOTE The engine manual specifies the type of oil and fuel to use.

With the engine stopped, check the oil level. According to the instructions in the engine manual, the level should be between the MIN and MAX marks on the dipstick. Fill the tank using a funnel, without filling it completely. The tank capacity is about 7.5 liters.

HOW TO USE THE MACHINE

DANGER

Refueling must be done in an open or well-ventilated area and with the engine turned off.

Never forget that gasoline vapors are flammable.

DO NOT USE AN OPEN FLAME TO INSPECT THE INSIDE OF THE TANK AND DO NOT SMOKE DURING REFUELING

IMPORTANT

Do not spill gasoline on plastic parts to avoid damaging them. In case of accidental spillage or leakage, rinse immediately with water. The warranty does not cover damage caused by gasoline to plastic parts of the bodywork or engine.

5.3.4 Checking the safety and efficiency of the machine

1. Check that the safety devices are working as intended. (see 5.2)
2. Check that the brake is fully functional.
3. Do not start mowing if the blades are vibrating or if you are not sure they are sharp enough. Always keep in mind that
 - A dull blade pulls at the grass and causes the lawn to yellow.
 - A poorly sharpened blade causes unwanted vibrations and can be dangerous.

WARNING

Do not use the machine if you are not sure it is operating safely and efficiently. If in doubt, contact your dealer immediately to carry out the necessary checks and repairs.

5.3.5 Hydrostatic transmission disengagement lever

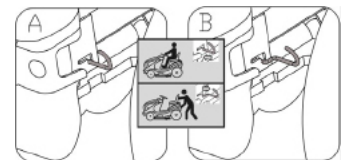
This lever has two positions, as indicated on the label:

“A” = Transmission on: for all types of use, when moving and during mowing;

“B” = Transmission off: this greatly facilitates moving the machine by hand, with the engine off.

This greatly facilitates moving the machine by hand, with the engine off.

Depending on the different hydrostatic transmissions, there are two types of operating methods, which must be used in accordance with the label affixed to the machine.



5.4 USING THE MACHINE

5.4.1 Starting

DANGER

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

NEVER FORGET THAT EXHAUST GASES ARE TOXIC!

To start the engine

- open the fuel valve (to “I”);
- Close the engine hood;
- raise the cutting deck as high as possible.



HOW TO USE THE MACHINE

- disengage the blades;
- put the gear lever in neutral;
- engage the parking brake;
- in case of cold start, set the throttle to the “CHOKE” position indicated on the nameplate;
- if the engine is already warm, place the lever between “SLOW” and “FAST”;
- insert the ignition key and turn it to “ON” to create an electrical contact, then turn it to “START” to start the engine;
- release the key once the engine has started.

Once the engine has started, set the throttle to “SLOW”.

The choke must be closed as soon as the engine is running smoothly.

IMPORTANT

Using it when the engine is warm can foul the spark plugs and cause irregular engine operation.

NOTE

If you have difficulty starting the engine, avoid pushing it as you risk draining the battery and flooding the engine. Turn the key to “OFF”, wait a few seconds and repeat the operation. If the malfunction persists, consult the engine manual.

IMPORTANT

Never forget that the safety devices prevent the engine from starting if the safety conditions are not met. In this case, once the safety conditions have been restored, you must turn the key back to “OFF” before you can restart the engine.

5.4.2 Starting and moving without mowing

WARNING

This machine is not approved for use on public roads. It must 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 must be raised as high as possible (position “7”)

Set the throttle between “SLOW” and “FAST” and engage first gear using the gear lever.

Keep the brake pedal pressed, release the parking brake, and slowly release the brake pedal to move the machine forward.

WARNING

The brake pedal must be released gradually, as sudden use may cause the machine to tip over and the operator to lose control.

Gradually reach the desired speed using the throttle and gear lever.

To change gear, always use the clutch by pressing the brake pedal.

5.4.3 Braking

First slow down by reducing the engine speed, then press the brake pedal to further reduce speed until the machine stops.

5.4.4 Reversing

IMPORTANT Reverse gear should only be engaged after the machine has come to a complete stop.

Press the brake pedal until the machine comes to a stop, then engage reverse by moving the lever sideways to “R” (for manual transmission models). Gradually release the brake pedal to engage the clutch and begin moving in reverse.

When the machine is stationary, start reversing by pressing the transmission engagement pedal to “R” (for hydrostatic transmission models).

5.4.5 Grass cutting

To start mowing

- Set the throttle to “FAST”;
- raise the cutting deck as high as possible;
- engage the blades;
- start mowing the grass very slowly and with the utmost caution, as described above;
- adjust the cutting height and speed according to the condition of the lawn (height, density, and moisture of the grass).

WARNING When mowing on a sloped terrain, reduce speed to ensure safe conditions.

In all conditions, always reduce speed if you notice a decrease in engine speed

- if you go too fast for the amount of grass to be cut, you will not be able to mow properly.

When crossing an obstacle, disengage the blades and raise the cutting deck as much as possible.

IMPORTANT This machine has not been approved for mowing in reverse. The blades stop when the machine goes into reverse by pressing the drive pedal towards "R". By pressing the override button (to the right of the steering wheel), the blades continue to turn when the machine goes into reverse.

5.4.6 Completion of mowing

At the end of mowing, disengage the blades, reduce engine speed, and move the machine with the cutting deck as high as possible.

5.4.7 Stopping work

Stop the machine, set the throttle to "SLOW" and turn the key to "OFF" to stop the engine.

Once the engine is stopped, close the fuel valve.

WARNING To avoid backfiring, set the throttle to "SLOW" for 20 seconds before stopping the engine.

WARNING Always remove the ignition key before leaving the vehicle unattended!

IMPORTANT To avoid discharging the battery, do not leave the key in the "ON" position when the engine is off.

5.4.8 Cleaning the machine

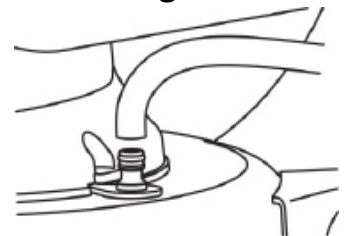
After use, clean the exterior of the machine, empty the discharge chute and shake it to remove grass and other debris.

Clean the plastic parts of the bodywork using a damp sponge with water and detergent, making sure not to wet the engine, electrical parts, or the electronic board located under the dashboard.

IMPORTANT Never use nozzles or aggressive cleaning products to clean the bodywork or the engine!

To wash the inside of the cutting deck, the machine must be on stable ground:

- the discharge chute installed;
- the operator seated;
- the engine running;
- the gearbox in neutral;
- the blades engaged.



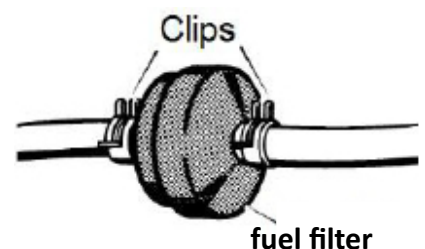
Connect a water hose to each fitting, one at a time, and let water flow through each for a few minutes, with the blades in motion.

During washing, the cutting plate must be lowered.

5.4.9 Long-term storage and inactivity

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

Empty the fuel tank by disconnecting the hose located at the fuel filter inlet and follow the instructions in the engine manual.



HOW TO USE THE MACHINE

WARNING Carefully remove any dry grass that has accumulated around the engine or muffler to prevent it from catching fire during the next use of the machine!

Store the machine in a dry, sheltered place, preferably covered with a cloth.

IMPORTANT The battery must be stored in a cool, dry place. Before long-term storage (more than one month), always charge the battery, then recharge it before using it again.

When using the machine next time, check that there are no fuel leaks at the hoses, fuel valve, or carburetor.

5.4.10 Summary of main operations to be performed when using the machine

To...	It is necessary to...
Starting the engine	Open the fuel valve, make sure all starting conditions are met, then turn the key.
Move forward	press the pedal, engage the gear and gradually release the pedal.
Brake or stop	Reduce engine speed and press the brake pedal.
Proceed in reverse order	Stop the car, put it in neutral, press the brake pedal, engage reverse gear, and gradually release the pedal.
Grass mowing	Raise the discharge chute, operate the throttle, engage the blades, adjust the cutting height, fully press the pedal, engage the gear, and gradually release the pedal.
End of mowing	Disengage the blades and reduce the engine speed.
Engine stop	Reduce the engine speed, wait a few seconds, turn the key, and close the fuel valve.
Store the machine	Engage the handbrake, remove the key, and, if necessary, wash the machine and the inside of the cutting deck.



5.5 USE ON SLOPED GROUND

Mow only on slopes whose values maximum have already been indicated. Sloped lawns must be mowed from top to bottom and never across. When changing direction, make sure that the wheels facing the slope do not encounter obstacles (such as stones, branches, roots, etc.) that could cause the machine to tip over, overturn, or cause the operator to lose control.



DANGER

REDUCE SPEED BEFORE ANY CHANGE OF DIRECTION ON A SLOPE and always engage the parking brake before leaving the machine stopped and unattended.

WARNING

Start moving very carefully on sloped ground to avoid the risk of tipping over. Reduce your speed before approaching a slope, especially when going downhill.

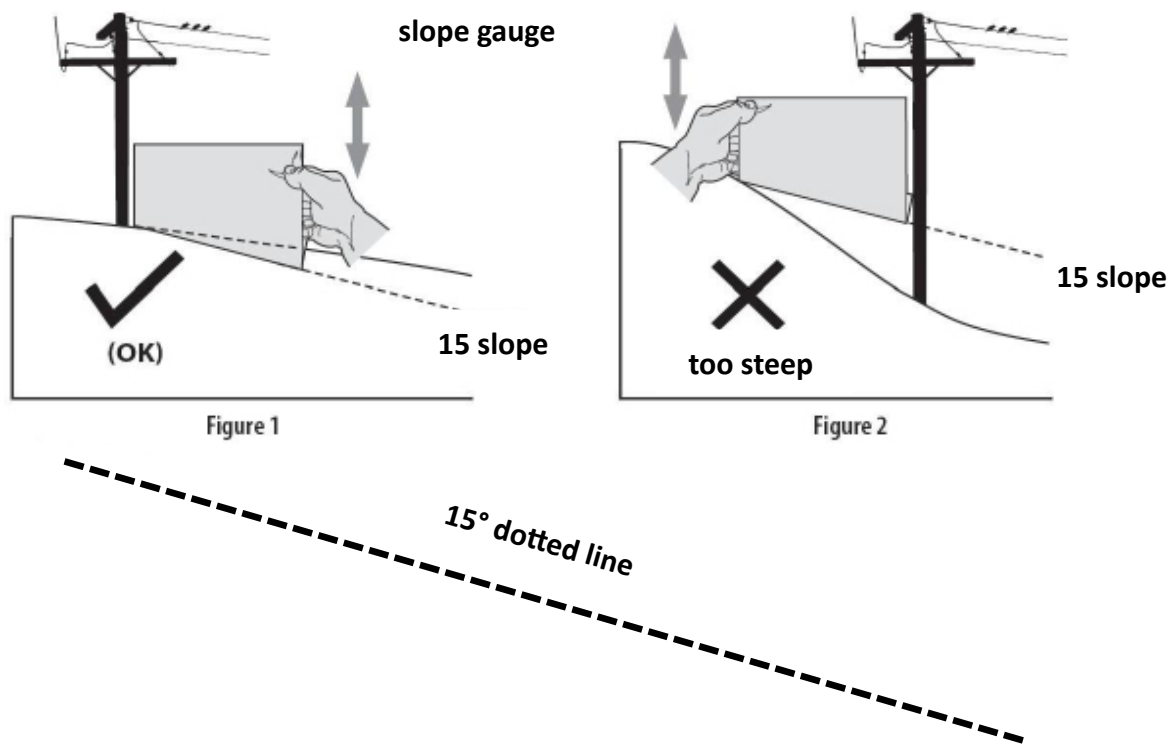
DANGER

Never use reverse gear to reduce speed when going downhill, as this could lead to loss of vehicle control, especially on slippery ground.

WARNING

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

HOW TO USE THE MACHINE



USE THIS GAUGE TO DETERMINE IF A SLOPE IS TOO STEEP TO BE USED SAFELY!

To check the slope, proceed as follows:

1. Remove this page and fold it along the dotted line.
2. Locate a vertical object above or behind the slope (for example, a post, a building, a fence, a tree, etc.)
3. Align one side of the slope indicator with the object (see figure 1 and figure 2).
4. Move the gauge up or down until the left corner touches the slope (see figure 1 and figure 2).

If there is a gap under the gauge, the slope is too steep to be used safely (see figure 2 above).

WARNING! Slopes are a major factor in overturning and accidents that can cause injury or death. Do not use the machine on slopes greater than 15 degrees. All slopes require increased caution.

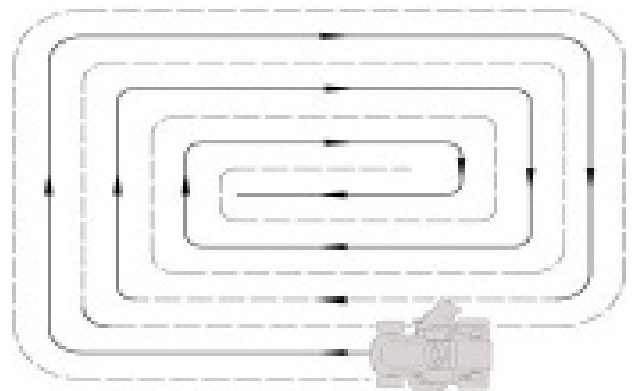
5.6 TRANSPORT

WARNING

If the machine is transported on a truck or trailer, appropriate lifting equipment and a sufficient number of people for the weight to be lifted and the type of lifting system used should be employed. The machine must never be lifted using ropes or hoists. During transport, close the fuel valve, lower the cutting deck, engage the parking brake, and securely fasten the machine to the means of transport using ropes or chains.

5.7 LAWN MAINTENANCE

1. To keep a lawn green, soft, and beautiful, it is necessary to mow it regularly without damaging it. A lawn can be made up of different types of grass. If the lawn is mowed frequently, the grass and roots grow more vigorously, forming a solid turf bed. If the lawn is mowed less often, taller grasses and weeds (as well as daisies, clover, etc.) begin to grow.
2. It is always best to cut the grass when it is dry.
3. The blades must be in good condition and well sharpened, so that the grass is cut straight, without ragged edges that cause the tips to yellow.
4. The engine must run at full speed, both to ensure a clean cut of the grass and to be able to push the cut material into the collection channel.
5. The mowing frequency should depend on the growth rate of the grass. The grass should not grow too much between mowings.
6. During hot and dry periods, the grass should be cut a little higher to prevent the soil from drying out too much.
7. The optimal height of the grass in a well-maintained lawn is about 4 to 5 cm. No more than one third of the total height should be removed in a single mowing. If the grass is very tall, it should be mowed twice within twenty-four hours: the first time with the blades at the maximum height, possibly reducing the cutting width, and the second time at the desired height.
8. When mowing large areas, start on the right so that the cut grass is discharged away from shrubs, fences, walkways, etc. After one or two rounds, mow in the opposite direction by turning left until the job is finished.
9. Alternating mowing in both directions will improve the appearance of the lawn.
10. If the collection system tends to clog with grass, you should reduce the speed of movement, as it may be too high for the lawn conditions. If the problem persists, it is probably due to poorly sharpened blades or deformed wings.
11. Be very careful when cutting near bushes or edges, as they can distort the horizontal position of the cutting deck and damage the edge and the blades.



6. MAINTENANCE

6.1 SAFETY RECOMMENDATIONS

WARNING Before performing cleaning or maintenance work, remove the ignition key and read the relevant instructions. Wear appropriate clothing and work gloves whenever there is a risk of injuring your hands.

WARNING Never use the machine if it has worn or damaged parts. Defective or worn parts should always be replaced and never repaired. Use only original spare parts: spare parts of different quality may damage the device and compromise the safety of the operator and others.

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

6.2 SCHEDULED MAINTENANCE

6.2.1 Scheduled maintenance

Operation	Frequency	Completed (date or time)							
1. MACHINE									
1.1 Engine oil check	Before each use								
1.2 Tire pressure check	Before each use								
1.3 Safety checks and inspections	Before each use								
1.4 Check for product damage(2)	Before each use								
1.5 Complete cleaning of the product	After each use								
1.7 Checking the fastening and sharpening of the blades(2)	Every 25 hours								
1.8 Drive belt check	Every 25 hours								
1.9 Blade inspection	Every 25 hours								
1.10 Inspection of bolts and screws	Every 25 hours								
1.11 General lubrication(3)	Every 25 hours								
1.12 Blade replacement	Every 100 hours								
1.13 Complete maintenance inspection by the dealer or authorized service center	Every year								

MAINTENANCE

2. THE ENGINE									
2.1: First oil change(1)	Every 20 hours								
2.2 Engine oil change (1)	Every 50 hours								
2.3 Cleaning the air filter (1)	Every 50 hours								
2.4 Checking and adjusting the spark plugs (1)	Every 100 hours								
2.5 Cleaning the fuel tank and filters(1)	Every 100 hours								
2.6 Air filter replacement (1)	Every year								
2.7 Spark plug replacement(1)	Every year								

- 1) Refer to the engine manual for the complete list and frequency.
- 2) At the first signs of wear, contact your dealer to have the component replaced.
- 3) General lubrication of all joints must also be carried out when the machine is not used for a long period.

The table above helps the operator ensure the safety and performance of the machine. It shows the main maintenance and lubrication operations and their recommended frequency. To the right of each entry, a box allows you to record the date or the number of operating hours after which the intervention was carried out.

WARNING All inspections, adjustments, and replacements not described in 6.3 and 6.4 of this manual must be carried out by your dealer or a specialized service center. Both have the knowledge and tools necessary to ensure that the work is done correctly without compromising the safety of the machine.

6.2.2 Engine

IMPORTANT Follow all instructions in the engine manual.

To drain the engine oil, unscrew the oil cap and, when screwing it back on, make sure the gasket is properly positioned

6.2.3 Battery

The battery must be maintained to ensure its lifespan. The machine's battery must always be charged:

- before using the machine for the first time after purchase;
- before leaving the machine unused for a long period;
- before starting the machine after a long period of inactivity.

Read carefully and follow the battery charging instructions in the booklet provided. Failure to follow the instructions or to charge the battery may permanently damage the battery cells.

A discharged battery must be recharged as soon as possible.

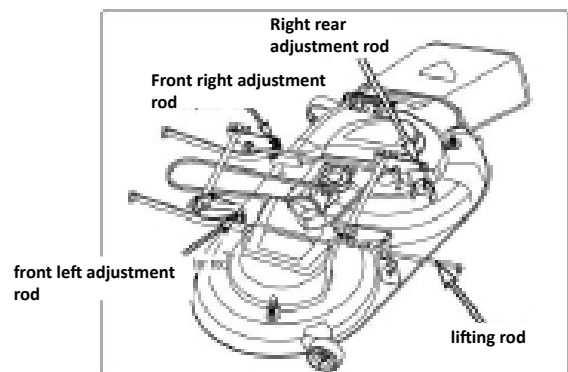
IMPORTANT Charging must be carried out with a constant voltage charger. Other charging systems may irreversibly damage the battery.

6.3 CHECKS AND ADJUSTMENTS

The cutting deck must be properly adjusted to achieve a good cut.

NOTE To achieve good cutting results, the front side must always be 5-6 mm lower than the rear side.

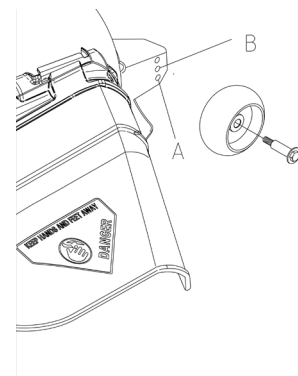
- Position the machine on a flat surface and check the tire pressure;
- Place 30 mm blocks under the front edge of the plate and 35 mm shims under the edge rear, then set the lifting lever to "2";
- Place 30 mm shims under the front edge of the plate and 35 mm shims under the rear edge, then set the lifting lever to "2";
- Adjust the front left adjustment rod, the front right adjustment rod, and the right rear adjustment rod to keep the deck in contact with the blocks;
- Adjust the lifting rod to keep the plate in contact with the blocks.



If the lawn is flat, it is possible to change the wheel position to achieve a lower cut.

IMPORTANT If the lawn is sloped, the wheel must be positioned in hole "A".

If in doubt, contact your dealer.



6.4 DISASSEMBLY AND REPLACEMENT

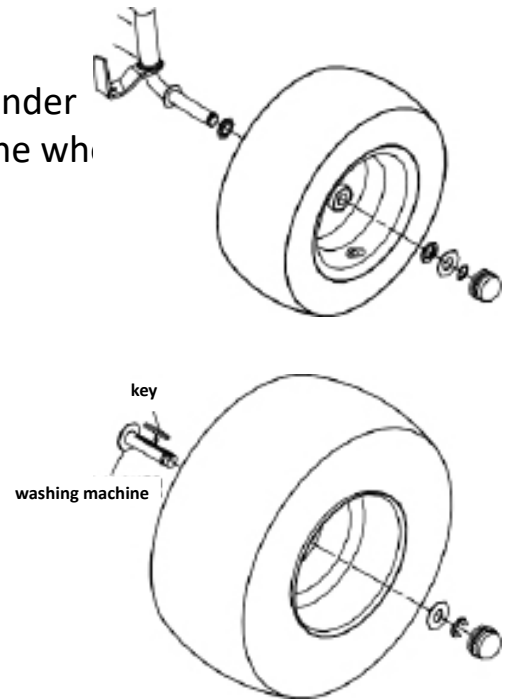
6.4.1 Wheel replacement

Stop the machine on a flat surface and place a block under a load-bearing part of the chassis on the side where the wheel is replaced.

The wheels are held by a retaining ring that can be loosened using a screwdriver.

NOTE If one or both rear wheels need to be replaced, they must have the same diameter and you must check that the cutting deck is level in order to avoid uneven mowing. You must ensure that the key and washer are properly in place.

IMPORTANT Before refitting the wheel, apply grease to the axle. Refit the circlip and the bearing washer in place.



6.4.2 Tire replacement and repair

The tires are "Tubeless" and, therefore, all punctures must be repaired by a tire specialist following the procedures applicable to this type of tire.

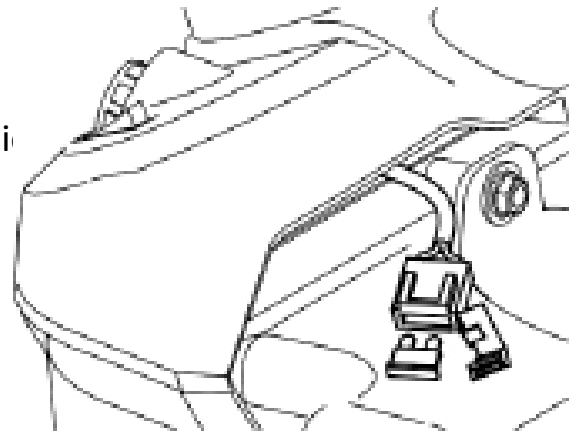
6.4.3 Fuse replacement

The car is equipped with 10 A fuses.

When they blow, the car stops, the dashboard indicator goes out and the battery discharges gradually;

the car has trouble starting.

Remove the fuse and replace it with a fuse of the same type.



IMPORTANT A blown fuse must always be replaced with a fuse of the same type and rating and never with a fuse of a different rating.

6.4.4 Removal, replacement, and reassembly of the blades

WARNING Always wear work gloves when handling the blades. Before inspecting or removing the blades, stop the engine and disconnect the spark plug wire.

WARNING Damaged or bent blades must always be replaced; never try to repair them! ALWAYS USE ORIGINAL BLADES! Make sure the blades are properly balanced. Be sure to reinstall them in the correct position by referring to the code and direction of rotation printed on the outside of each blade.

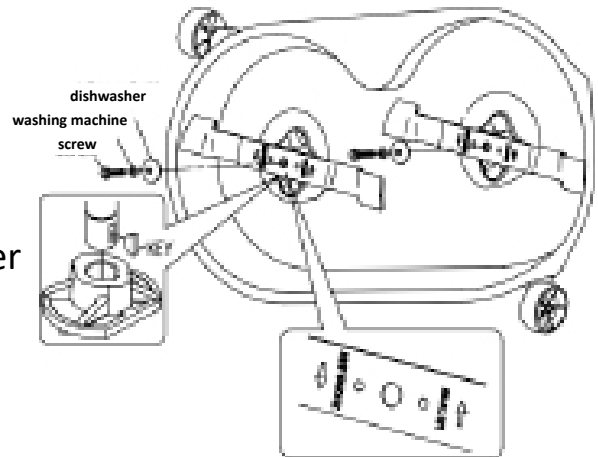
See “SPECIFICATIONS” for blade models.

1. Disassembly

Loosen the screw counterclockwise of the clock.

2. Reassembly of the device

Make sure that the code stamped on the blade faces the operator who reassembled it.
Check that the concave part of the blade washer presses against the blade.
Reassemble the shaft hubs making sure that the key is properly in place.



3. tighten the screws

Tighten clockwise using a torque wrench calibrated to 40-45 Nm.

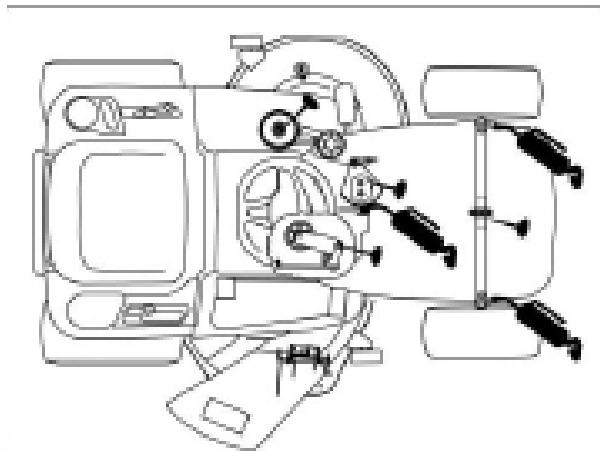
Belt replacement must be carried out by an authorized service center. Replace the belts as soon as they show obvious signs of wear!

WARNING ALWAYS USE ORIGINAL REPLACEMENT BELTS!

6.5 LUBRICATION

Apply two or three sprays of grease using an injector to the indicated areas and wipe off any excess grease.

Lubricate the indicated areas with engine oil; clean the area, apply a few drops of oil, then wipe off any drops or spills.



IMPORTANT Do not soil the belt, brake jaw, or tire with oil or grease, as these can damage them.

7. TROUBLESHOOTING

WARNING

Danger

Risk of injury in case of unintentional engine start

Protect yourself from injury. Before performing any work on this mower:

- Turn off the engine.
- Remove the ignition key.
- Engage the parking brake.
- Wait until all moving parts have stopped and the engine has completely cooled down.
- Disconnect the engine spark plug connector to prevent accidental starting.

Malfunctions that occur during use of the mower often have simple causes that you should know and can resolve yourself. If in doubt, your dealer or service center will be happy to assist you.

Problem	Possible causes	Solution
The headlights do not work	1. The headlight wire connector is not connected.	Turn the key to "STOP" and connect the headlight wire.
	2. The bulbs are defective.	Turn the key to "STOP" and replace the bulbs.
	3. The battery is not properly connected.	Connect the red cable to the (+) terminal of the battery and the black cable to the (-) terminal of the battery. (par. 3.4)
	4. The ignition switch is defective	Replace the ignition switch
	5. The battery is defective	Check and recharge or replace the battery
	6. Short circuit in the wiring	Contact the dealer or service center

TROUBLESHOOTING

Problem	Possible causes	Solution
The starter motor does not work	1. The conditions for a safe start are not met	Check that all conditions are met (paragraph 5.4.1)
	2. There is no fuel in the tank.	Turn the key to "STOP" and fill the fuel tank. (par. 5.3.3)
	3. Poor contact between the cable and the battery terminal.	Check the connections (paragraph 3.4)
	4. Weak or defective battery	Check and recharge or replace the battery.
	5. Faulty fuse.	Replace the fuse. If the fuse blows repeatedly, determine the cause (usually a short circuit). (paragraph 6.4.3)
	6. Clogged air filter	Clean the air filter.
	7. Faulty spark plug.	Check the spark plug socket connection, clean or replace the spark plug.
	8. Faulty brake pedal.	Contact your dealer or service center
	9. Unable to lower the clutch or brake switch.	Press the PTO button to set it to OFF. (par. 4.3)
	10. Faulty starter relay	Replace the starter relay
	11. The ignition switch is faulty	Replace the ignition switch.

TROUBLESHOOTING

Problem	Possible causes	Solution
The engine runs irregularly	1. Carburetor problem	Contact your dealer or service center.
	2. The air filter is clogged.	Clean or replace the air filter (see the engine manual).
	3. The fuel tank vent is blocked.	1. Check and replace the fuel filter if necessary (see the engine manual or contact your dealer or service center). 2. Empty the fuel tank and fill it with fresh fuel;
	4. The grass is too tall	Reduce the forward speed according to the height of the grass and/or increase the cutting height.
The engine is weak	1. The air filter is clogged.	Clean or replace the air filter (see the engine manual).
	2. The engine speed is too low	Increasing acceleration
	3. Driving speed too high	Set the driving speed to a lower level.
	4. Faulty spark plug.	Replace the spark plug; see the engine manual.
	5. Fuel tank vent blocked	1. Check and replace the fuel filter if necessary (see the engine manual or contact your dealer or service center). 2. Empty the fuel tank and fill it with fresh fuel;

TROUBLESHOOTING

Problem	Possible causes	Solution
The battery does not charge	1. Faulty fuse.	Replace the fuse. If the fuse blows repeatedly, determine the cause (usually a short circuit). (paragraph 6.4.3)
	2. Poor contact between the terminals and the battery cables.	Check the connections (paragraph 3.4)
The machine does not move	1. The brake is engaged	Keep the brake pedal pressed and release the parking brake; slowly release the brake pedal to move the machine forward. (Sec. 5.4.2)
	2. Disengaged gearbox (hydrostatic gearbox)	Engage the gearbox. (Sec. 5.3.5)
	3. Drive belt detached	Insert the belt in place.
	4. Defective or worn drive belt	Replace the drive belt
Strong vibrations	1. Blades not properly secured.	Check and tighten all blades (see Torque, section 6.4.4) or contact your dealer or service center.
	2. Loose engine	Check and tighten all engine and chassis bolts
	3. Imbalance of one or both blades due to damage.	Contact your dealer or service center.
	4. The cutting unit is full of grass	Cleaning the cutting unit
	5. The engine mount is not properly tightened	Tighten the engine mount or contact your dealer or service center.
	6. Damaged belt	Replace the belt

TROUBLESHOOTING

Problem	Possible causes	Solution
Uneven or poor cutting results	1. Dull or worn blades	Sharpening or replacing the cutting blades
	2. Different air pressure in the tires on the right and left sides of	Check tire pressure (paragraph 5.3.2)
	3. Cutting deck adjustment.	Check the deck adjustment (see 6.3 or contact your dealer or service center)
	4. Long and/or wet grass	Adjust the cutting height and forward speed to the mowing conditions.
	5. Driving speed too high.	Set a lower driving speed
	6. Grass stuck under the cutting deck	Properly clean the inside of the cutting plate (use a suitable accessory to access the cleaning of the cutting plate).
	7. Shear belt slipping	Replace the cutting drive belt

If the problem persists after performing the above steps, contact your dealer or service center.

TECHNICAL SPECIFICATIONS

8. TECHNICAL SPECIFICATIONS

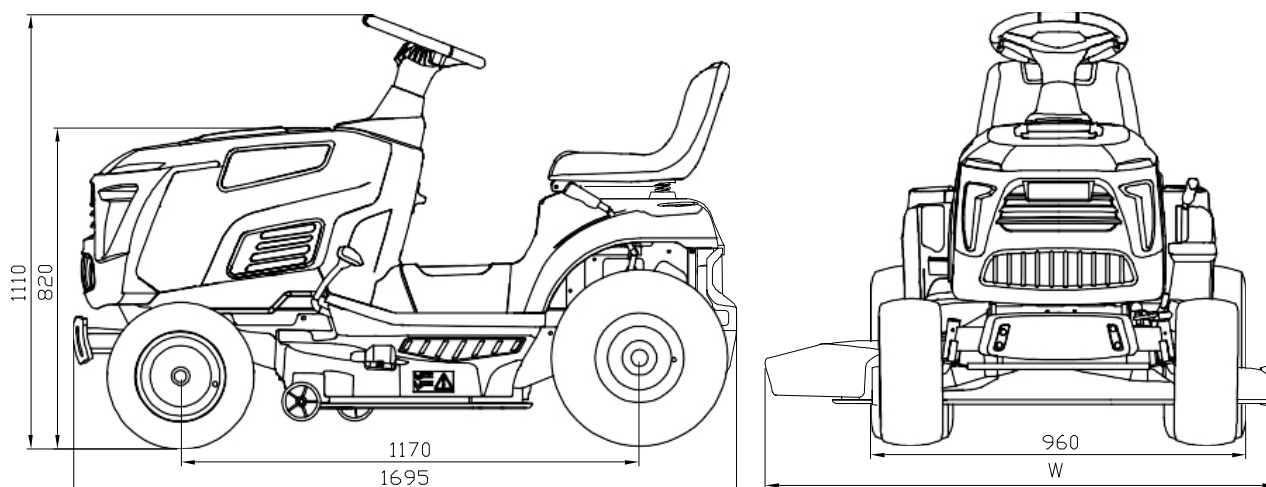
8.1 TECHNICAL DATA TABLE

Model		TR SL 98H	TR SL 108H	TR SL 108H TWIN
Engine model		LC1P90F-1	LC1P92F-1	LC2P73F
Engine displacement		432 cm ³	452 cm ³	586 cm ³
Rated Power		7,5 kW	7,2 kW	11,4 kW
Maximum engine speed:		2600 min-1	2400 min-1	2800min-1
Cutting width		98 cm	108 cm	108 cm
Sound pressure level at the operator		LpA: 86.8 dB(A), KpA: 3 dB(A)	LpA: 87.0 dB(A), KpA: 3 dB(A)	LpA: 84.0 dB(A), KpA: 3 dB(A)
Measured sound power level		LWA: 99.4 dB(A), KWA: 1.05 dB(A)	LWA: 98.8 dB(A), KWA: 1.11 dB(A)	LWA: 95.8 dB(A), KWA: 2.03 dB(A)
Guaranteed sound power level (2000/14/EC)		LWA: 100 dB(A)	LWA: 100 dB(A)	LWA: 100 dB(A)
Vibrations	to the hand-arm system	ah: 4.2 m/s ² , Kh: 1.5 m/s ²	ah: 3.4 m/s ² , Kh: 1.5 m/s ²	ah: 3.2 m/s ² Kh: 1.6 m/s ²
	Whole body	ah: 0.7 m/s ² , Kh: 1.5 m/s ²	ah: 1.1 m/s ² , Kh: 1.5 m/s ²	ah: ≤2.5 m/s ² Kh: 1.5 m/s ²
Mass		168,5 kg	170 kg	174,5 kg
Driving speed		Forward: 1.6-7.5 km/h (5 speeds), reverse: 0-2.5 km/h	Forward: 1.6-7.5 km/h (5 speeds), reverse: 0-2.5 km/h	Forward: 0-8.8 km/h, reverse: 0-4.5 km/h

TECHNICAL SPECIFICATIONS

	For all models
Blade screw tightening torque	40-45 Nm
Cutting height (on 7 levels)	30-90 mm
Front wheels	15 × 6.00-6
Rear wheels	18 × 8.50-8
Front wheel inflation pressure	1,0 bar
Rear wheel inflation pressure	1,2 bar
Electrical system	12 Vdc
Battery	18 Ah
Minimum turning radius	45 cm
Fuel tank capacity	7.5 L

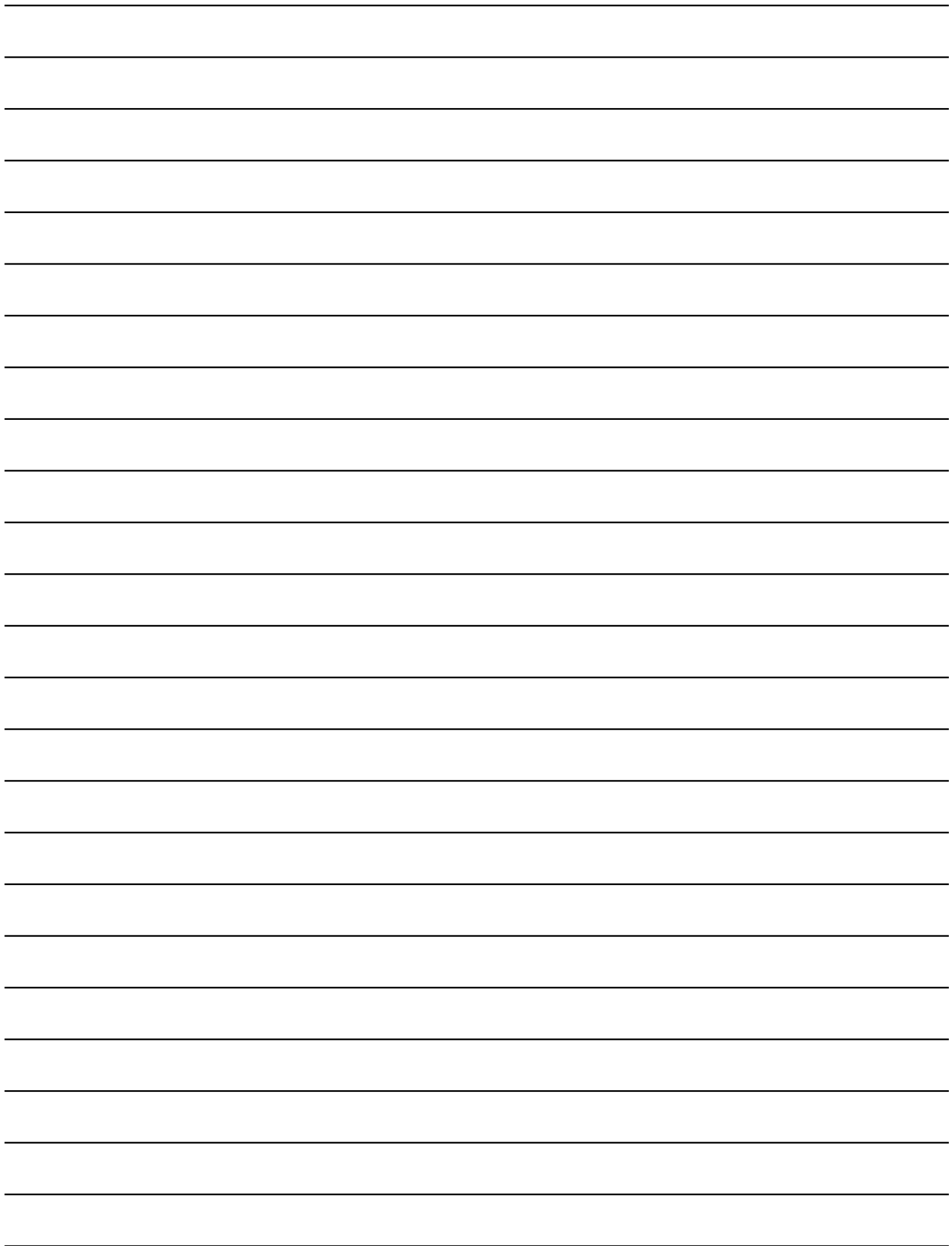
8.2 Machine dimensions



Model	TR SL 98H	TR SL 108H	TR SL 108H TWIN
L (mm)	1210	1315	1315

9. WARRANTY

1. The warranty applies to all material and manufacturing defects that may occur in any country. No other claims of any kind, direct or indirect, concerning persons and/or materials are possible.
2. In case of a problem or defect, you must always contact your dealer. In most cases, they will be able to solve the problem or correct the defect.
3. Repair or replacement of components does not extend the initial warranty period.
4. Defects due to misuse or wear are not covered by the warranty.
5. A warranty claim cannot be processed in the event of:
 - Incorrect or prohibited use or assembly;
 - Use of non-original spare parts;
 - Use of accessories not supplied or not approved by the manufacturer;
 - Damage caused by external agents or foreign objects such as sand or stones.
 - Damage caused by failure to follow the instructions for use;
 - Normal wear of consumables such as drive belts, lights, wheels, blades, safety bolts, and cables.
 - Normal wear.
 - Engines are covered by the warranty provided by the relevant manufacturer, in accordance with the specified conditions. The information is contained in the owner's manual provided separately by the engine manufacturer.
6. The buyer is protected by their own national legislation. The buyer's rights under the national laws of their country are in no way limited by this warranty.



EC DECLARATION OF CONFORMITY - HERSTELLERERKLÄRUNG - DECLARATION 'CE' DE CONFORMITE - DECLARACION DE CONFORMIDAD - DICHIARAZIONE DI CONFORMITA' EUROPEA - GELIJKVORMIGHEIDSVERKLARING - EC DEKLARATION I OVERENSSTEMMELSE - DECLARAÇÃO CE DE CONFORMIDADE - EY ILMOITUS - FORSAKRAN OM OVERENSSTÄMMELSE - BEKREFTENDE EU ERKLÆRING - ΔΗΛΩΣΗ ΕΚ ΣΥΜΜΟΡΦΩΣΗΣ - EUROPEJSKA DEKLARACJA ZGODNOSCI

1) MANUFACTURER – HERSTELLER – FABRICANT – FABRICANTE – COSTRUTTORE – CONSTRUCTEUR – PRODUCENT – FABRICANTE – VALMISTAJA – TILLVERKARE – FABRIKANT – Κατασκευαστής – PRODUCENT:
Blue Bird Industries Fabbrica Motori s.r.l.
Via Due Camini 19, 36010 Zanè (VI), Italia

2) DESCRIPTION OF THE MACHINERY – BESCHREIBUNG DER MASCHINE – DESCRIPTION DE LA MACHINE – DESCRIPCION DE LA MAQUINARIA – DESCRIZIONE DELLA MACCHINA – BESCHRIJVING VAN DE MACHINE – BESKRIVELSE AF MASKINEN – DESCRIÇÃO DA MAQUINA – KONEEN NIMITYS – MATERIELSLAG – BESKRIVELSE AV MASKINERIE – ΠΕΡΙΓΡΑΦΗ ΤΩΝ ΜΗΧΑΝΩΝ – OPIS MASZYN:
TRATTORINI TAGLIAERBA – LAWNMOWER TRACTORS

a) MAKE – FABRIKAT – MARQUE – MARCA – MARCA – MERK – MÆRKE – MARCA – MERKKI – FABRIKAT – FABRIKANT – MAPKA – MARKA:
BLUE BIRD INDUSTRIES Fabbrica Motori srl
Via Due Camini 19,36010 Zanè, Italia

b) TYPE / TYP / TYPE / TIPO / TIPO / TYPE / TYPE / TIPO / MALLI / TYPBE / TYPE / TYÖKÖ / TYP:
TR SL 98H
TR SL 108H
TR SL 108H TWIN

2000/14/EC (2005/88/EC) – Livelli di potenza sonora come da allegato VI – Sound Power Levels performed per annex VI	
TIPO	Livelli di Potenza Sonora Misurata / Livelli di Potenza Sonora Garantita LWA Sound Power Levels Measured / Sound Power Level Guaranteed LWA (dB)
TR SL 98H	85,2/100
TR SL 108H	87,4/100
TR SL 108H TWIN	87/100

c) Il prodotto è conforme alle direttive - The product complies with the directives - Das Produkt entspricht den Richtlinien - Le produit est conforme aux directives - El producto cumple con las directivas :

- 2006/42/EC – 2014/30/EU – 2000/14/EC (2005/88/EC) – 2011/65/EU

d) REFERENCE TO STANDARDS/HARMONIZED STANDARDS - VERWEIS AUF NORMEN/HARMONISIERTE NORMEN - REFERENCE AUX NORMES/NORMES HARMONISEES - REFERENCIA A ESTANDARES/ESTANDARES ARMONIZADOS - RIFERIMENTO ALLE NORME/NORME ARMONIZZATE - REFERENTIE NAAR STANDAARDEN/GEHARMONISEERDE STANDAARDEN - REFERENCE TIL STANDARDER/HARMONISEREDE STANDARDER - REFERENCIA AS NORMAS/NORMAS HARMONIZADAS - VITTAUS STANDARDEIHIN/YHTEISIIN STANDARDEIHIN - REFERERANDE TILL STANDARDER/HARMONISERADE STANDARDER - HENVISNING TIL STANDARD/FELLES STANDARD - ΑΝΑΦΟΡΑ ΣΕ ΠΡΟΤΥΠΑ/ΕΝΑΡΜΟΝΙΣΜΕΝΑ ΠΡΟΤΥΠΑ - ODNIESIENIE DO NORM/NORM ZHARMONIZOWANYCH:
EN ISO 5395-1:2013+A1 EN ISO 5395-3:2013+A1+A2 EN ISO 12100:2010 EN ISO 14982:2009

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BLUE BIRD INDUSTRIES – FABBRICA MOTORI s.r.l.
ZANE' (VI) – ITALIA 02-12-2024
The chairman – Der vorsitzender – Le président – El presidente – Il presidente – De voorzitter – Daglig leder – O presidente – Toimitusjohtaja – Verkställande direktör – Administrerende direktør – Ο ΠΡΟΕΔΡΟΣ - Prezes

VANDA VITELLA



(GB) Technical documentation maintained by

(F) Documentation technique maintenue par

(I) Documentazione tecnica conservata da

(DK) Teknisk dokumentation tilhåndhællen av

(FI) Teknisten asiakirjojen ylläpitäjä

(NO) Teknisk dokumentasjon vedlikeholdt av

(D) Technische Dokumentation aktualisiert durch

(E) Documentacion tecnica mantenida por

(NL) Technische documentatie onderhouden door

(P) Documentação tecnica mantida por

(SE) Teknisk dokumentation tilhåndhællen av

(GR) τεχνικό φάκελο που τηρείται από

BLUE BIRD INDUSTRIES – FABBRICA MOTORI s.r.l.

VANDA VITELLA





BLUE BIRD INDUSTRIES Fabbrica Motori s.r.l.

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