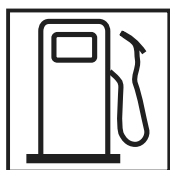
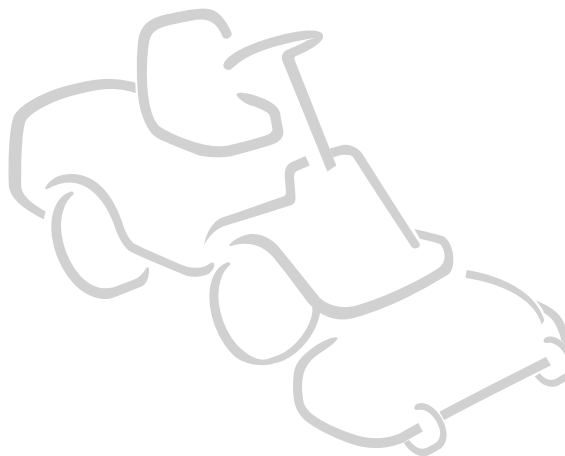


P 901 C series

P 901 C W series

P 901 C 4W series



- IT** Tosaerba con conducente a bordo seduto - MANUALE DI ISTRUZIONI
ATTENZIONE: prima di usare la macchina, leggere attentamente il presente libretto.
- CS** Sekačka se sedící obsluhou - NÁVOD K POUŽITÍ
UPOZORNĚNÍ: před použitím stroje si pozorně přečtěte tento návod k použití.
- DA** Havetraktor/Havetraktor med frontklipper (FM) - BRUGSANVISNING
ADVARSEL: læs instruktionsbogen omhyggeligt igennem, før du tager denne maskine i brug.
- DE** Aufsitzmäher (Rasenmäher mit Fahrersitz mit sitzendem Benutzer)
GEBRAUCHSANWEISUNG
ACHTUNG: vor inbetriebnahme des geräts die gebrauchsanleitung aufmerksam lesen.
- EN** Ride-on lawnmower with seated operator - OPERATOR'S MANUAL
WARNING: read thoroughly the instruction booklet before using the machine.
- ES** Cortadora de pasto con conductor sentado - MANUAL DE INSTRUCCIONES
ATENCIÓN: antes de utilizar la máquina, leer atentamente el presente manual.
- ET** Istuva juhiga muruniitja - KASUTUSJUHEND
TÄHELEPANU: enne masina kasutamist lugeda tähelepanelikult antud kasutusjuhendit.
- FI** Päältäajettava ruohonleikkuri - KÄYTTÖOHJEET
VAROITUS: lue käyttöopas huolellisesti ennen koneen käyttöä.
- FR** Tondeuse à gazon à conducteur assis - MANUEL D'UTILISATION
ATTENTION: lire attentivement le manuel avant d'utiliser cette machine.
- HR** Sjedeća kosilica trave s operaterom - PRIRUČNIK ZA UPORABU
POZOR: prije uporabe stroja, pažljivo pročitajte ovaj priručnik.
- HU** Vezetőüléssel műnyírógép - HASZNÁLATI UTASÍTÁS
FIGYELEM! a gép használatá előtt olvassa el figyelmesen a jelen kézikönyvet.
- LT** Balninė vejapjovė su sėdinčiu operatoriumi - NAUDOJIMO INSTRUKCIJOS
DĖMESIO: prieš naudojant įrenginį, atidžiai perskaityti šį naudotojo vadovą.
- LV** Sēžot vadāma zālienu pļaujmašīna - LIETOŠANAS INSTRUKCIJA
UZMANĪBU: pirms aparāta lietošanai rūpīgi izlasiet doto instrukciju.
- NL** Grasmaaier met zittende bediener - GEBRUIKERSHANDLEIDING
LET OP: vooraleer de machine te gebruiken, dient men deze handleiding aandachtig te lezen.
- NO** Sittegressklipper - INSTRUKSJONSBOK
ADVARSEL: les denne bruksanvisningen nøye før du bruker maskinen.
- PL** Kosiarka z operatorem jadącym, w pozycji siedzącej na maszynie
INSTRUKCJE OBSŁUGI
OSTRZEŻENIE: przed użyciem maszyny, należy uważnie przeczytać niniejszą instrukcję.
- PT** Corta-relvas para operador sentado - MANUAL DE INSTRUÇÕES
ATENÇÃO: antes de usar a máquina, leia atentamente o presente manual.
- RO** Mșină de tuns iarba cu șofer la volan - MANUAL DE INSTRUCȚIUNI
ATENȚIE: înainte de a utiliza mașina, citiți cu atenție manualul de față.
- RU** Ездовая косилка с сиденьем
РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ
ВНИМАНИЕ: прежде чем пользоваться оборудованием, внимательно прочтите это руководство по эксплуатации.
- SK** Kosačka so sediacou obsluhou - NÁVOD NA POUŽITIE
UPOZORNENIE: pred použitím stroja si pozorne prečítajte tento návod.

SL Traktorska kosilnica - PRIROČNIK ZA UPORABO

POZOR: preden uporabite stroj, pazljivo preberite priročnik z navodili.

SV Åkgräsklippare och främre klippning (FM) - BRUKSANVISNING

VARNING: läs igenom hela detta häfte innan du använder maskinen.

ITALIANO - Istruzioni Originali	IT
ČESKY - Překlad původního návodu k používání	CS
DANSK - Oversættelse af den originale brugsanvisning	DA
DEUTSCH - Übersetzung der Originalbetriebsanleitung	DE
ENGLISH - Translation of the original instruction	EN
ESPAÑOL - Traducción del Manual Original	ES
EESTI - Algupärase kasutusjuhendi tõlge	ET
SUOMI - Alkuperäisten ohjeiden käännös	FI
FRANÇAIS - Traduction de la notice originale	FR
HRVATSKI - Prijevod originalnih uputa	HR
MAGYAR - Eredeti használati utasítás fordítása	HU
LIETUVIŠKAI - Originalių instrukcijų vertimas	LT
LATVIEŠU - Instrukciju tulkojums no oriģināl valodas	LV
NEDERLANDS - Vertaling van de oorspronkelijke gebruiksaanwijzing	NL
NORSK - Oversettelse av den originale bruksanvisningen	NO
POLSKI - Tłumaczenie instrukcji oryginalnej	PL
PORTUGUÊS - Tradução do manual original	PT
ROMÂN - Traducerea manualului fabricantului	RO
РУССКИЙ - Перевод оригинальных инструкций	RU
SLOVENSKY - Preklad pôvodného návodu na použitie	SK
SLOVENŠČINA - Prevod izvirnih navodil	SL
SVENSKA - Översättning av bruksanvisning i original	SV

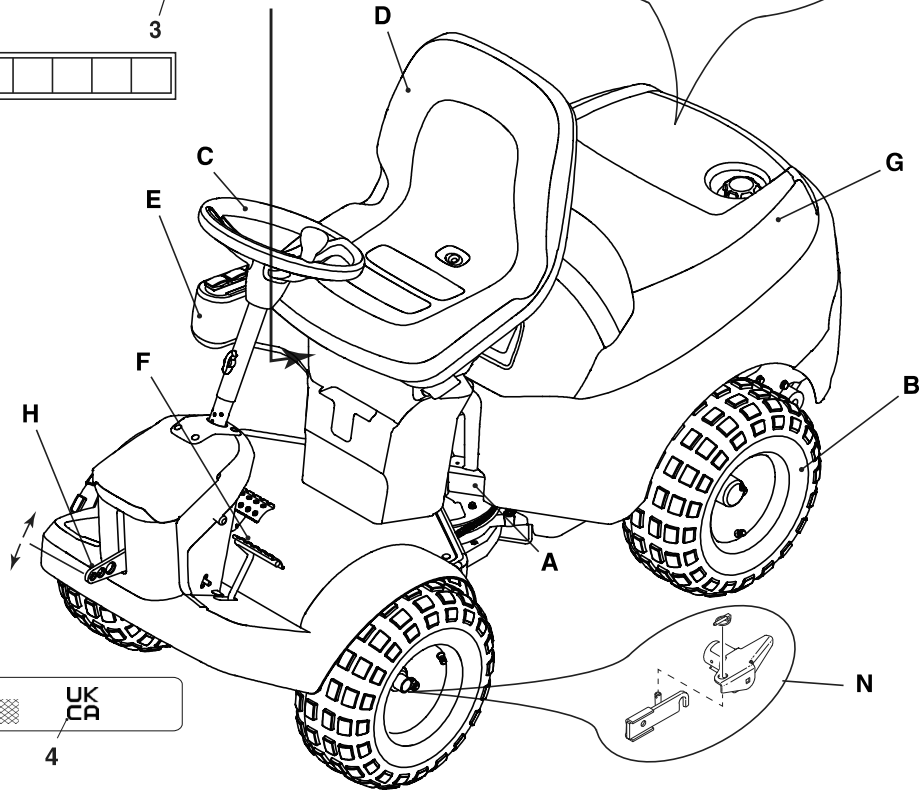
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1	2	6	5	4
Type				
kW	/min			
kg				
Art.N.				
s/n				

CE LWA dB

7	8	9	3

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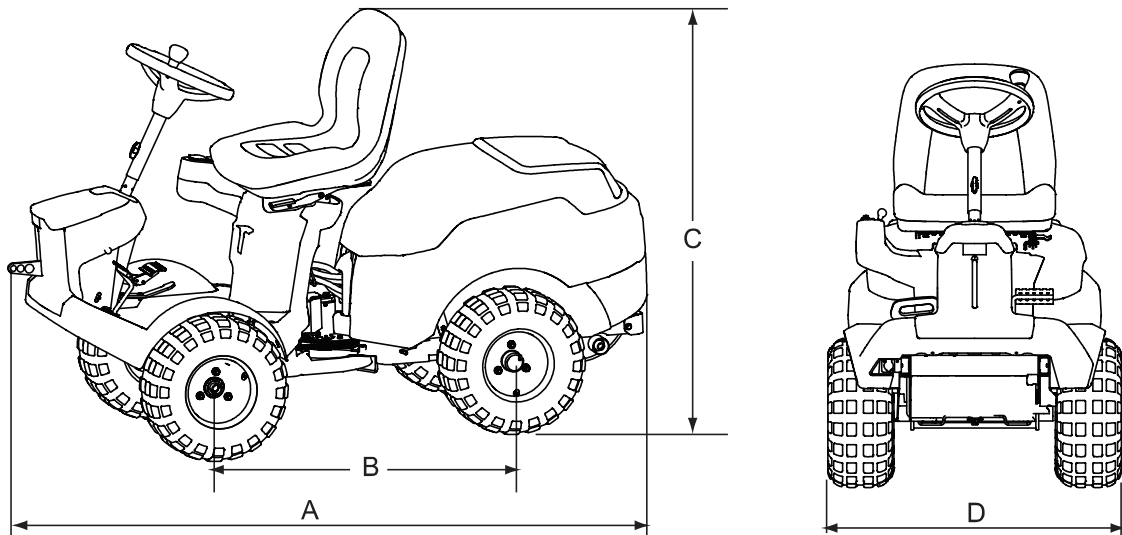
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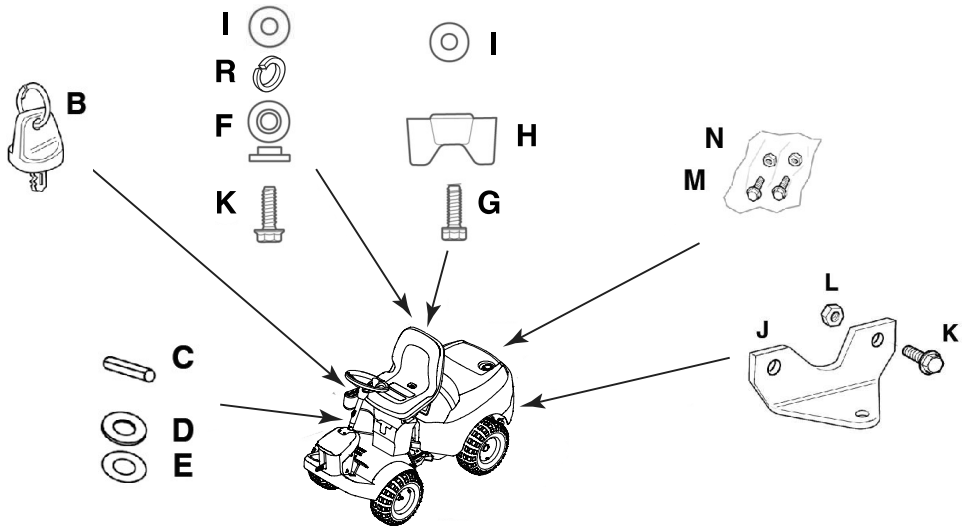
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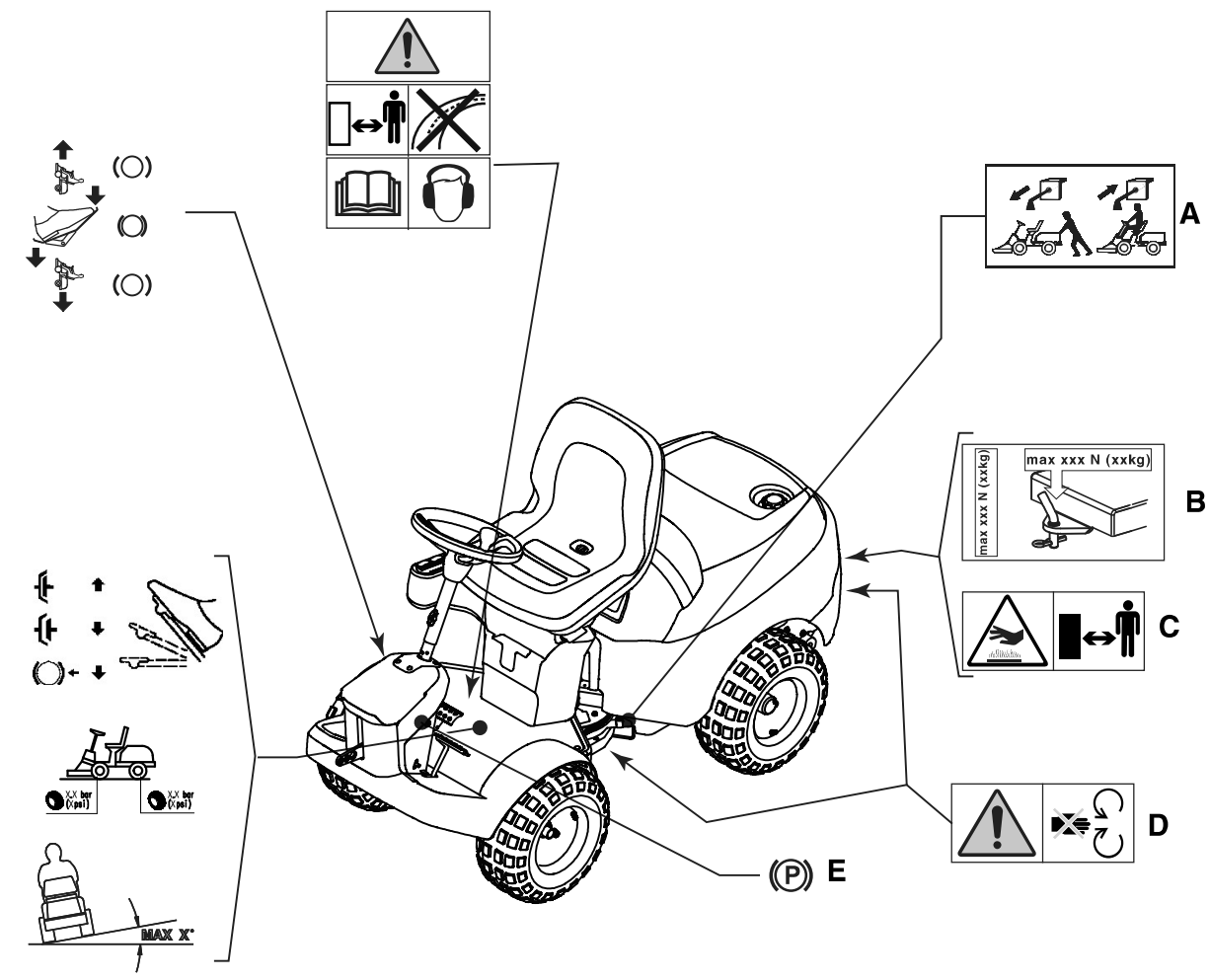
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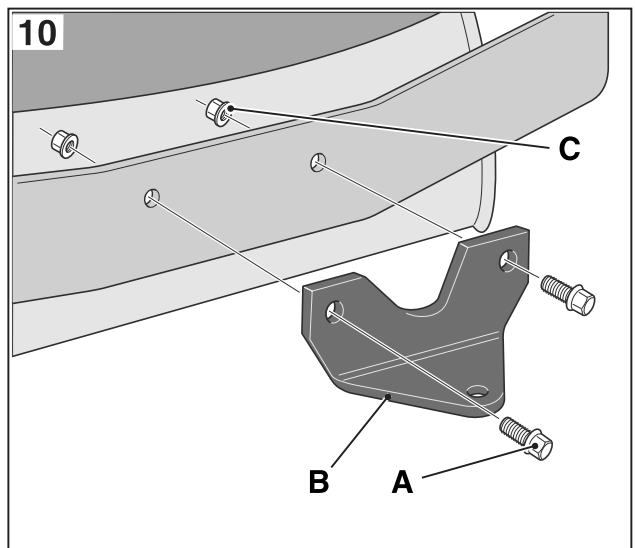
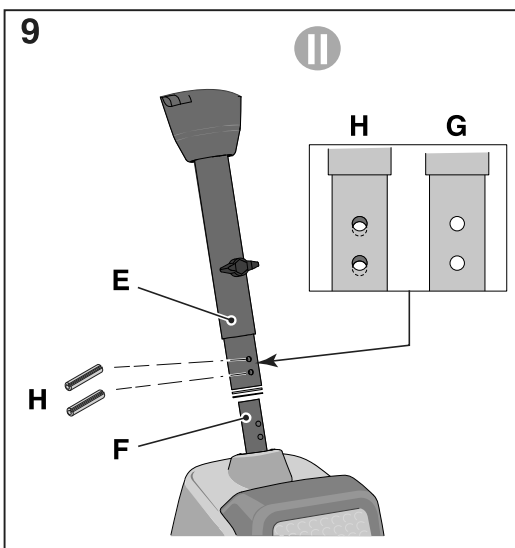
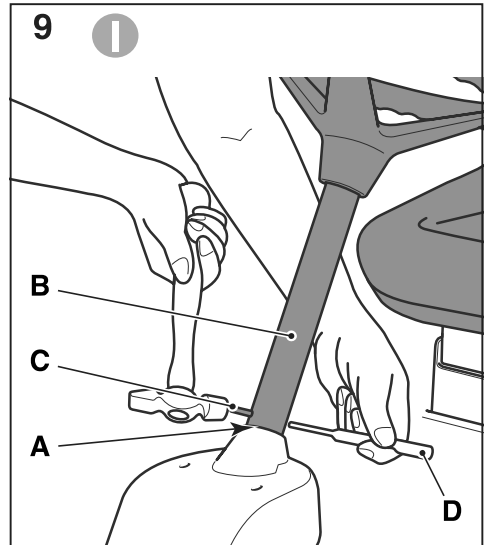
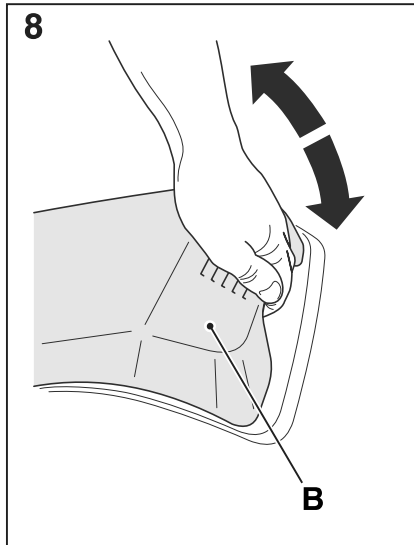
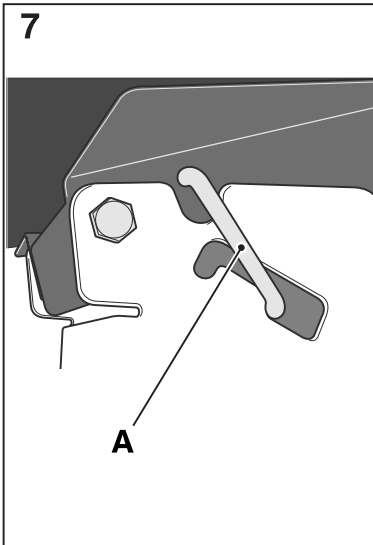
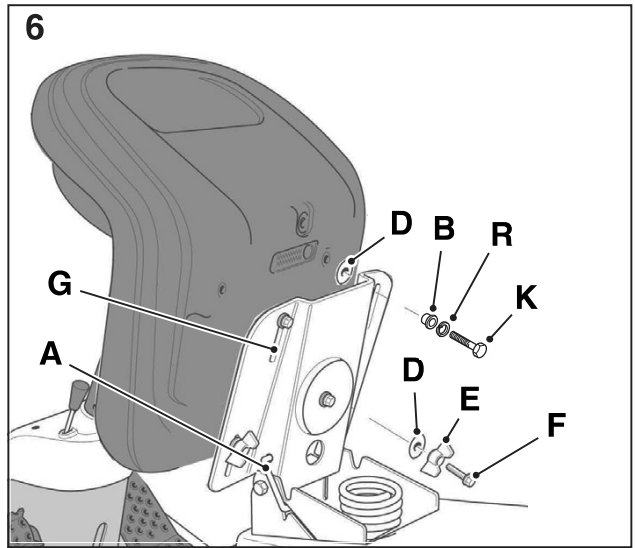
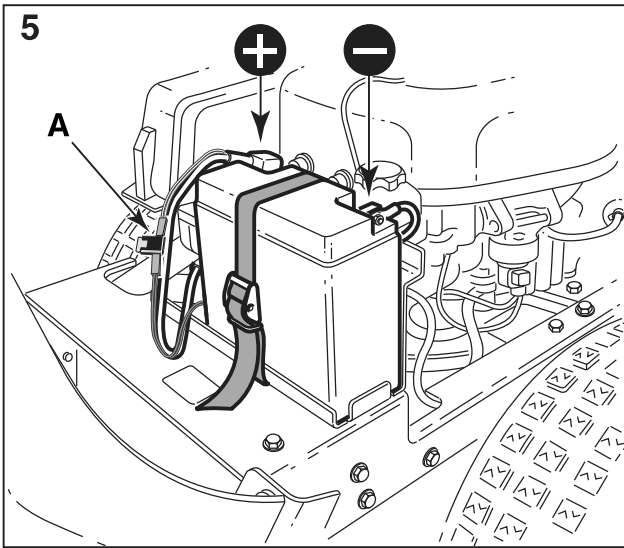


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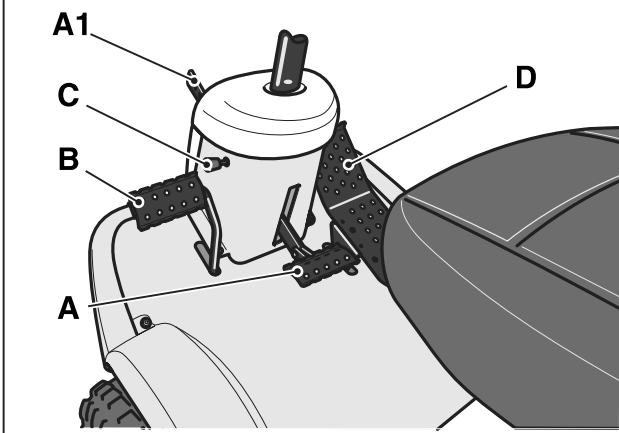


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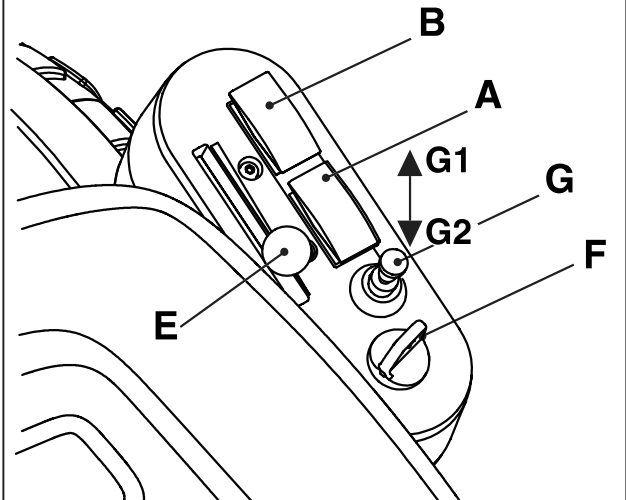




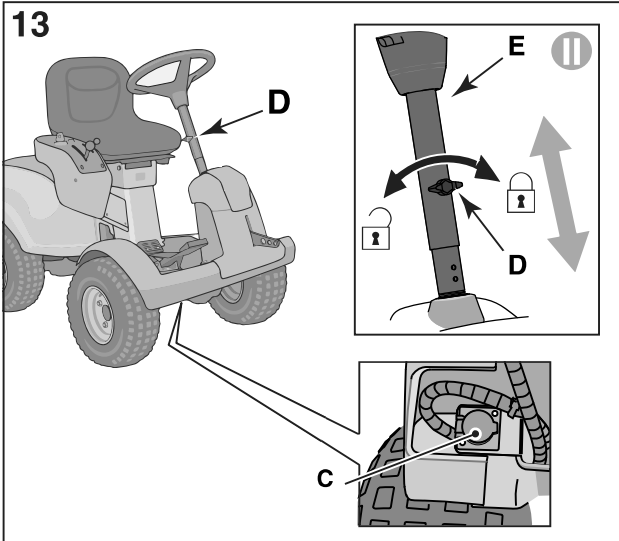
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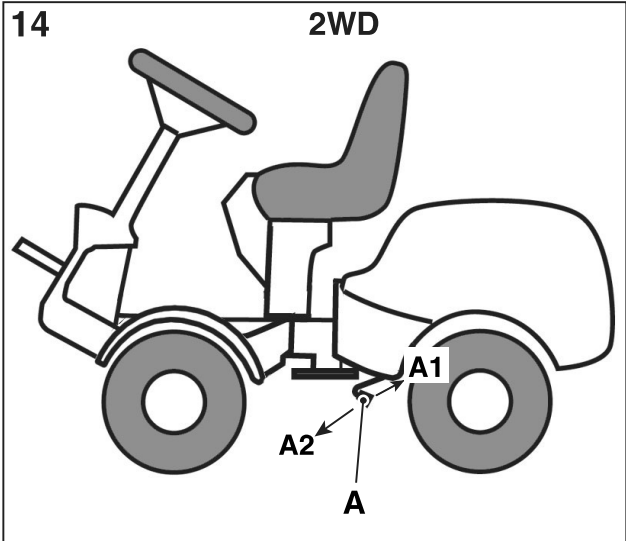
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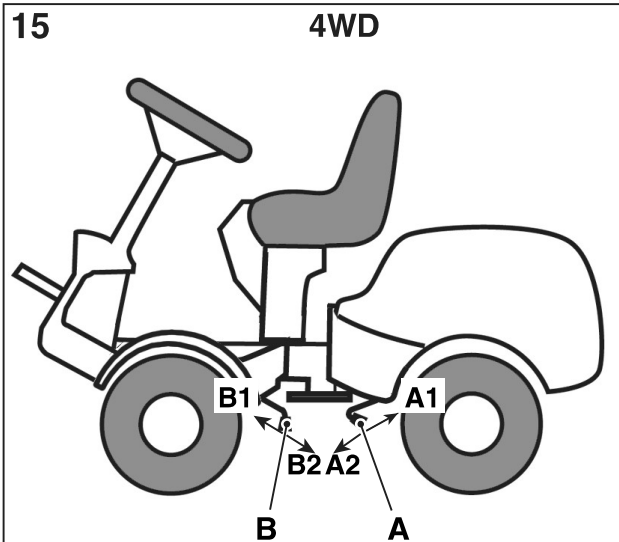
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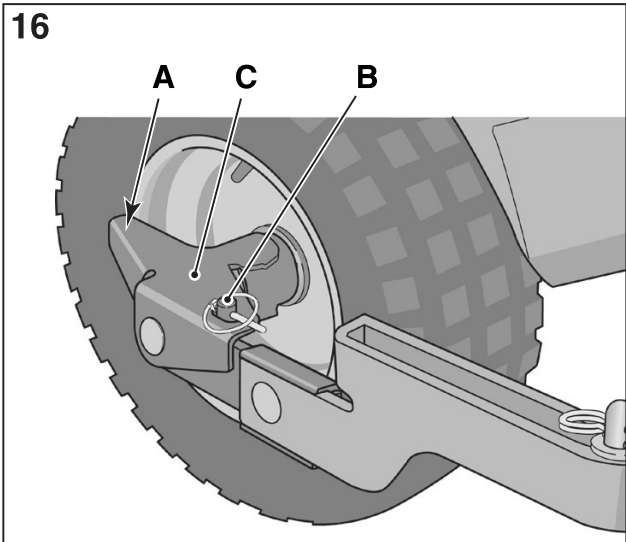
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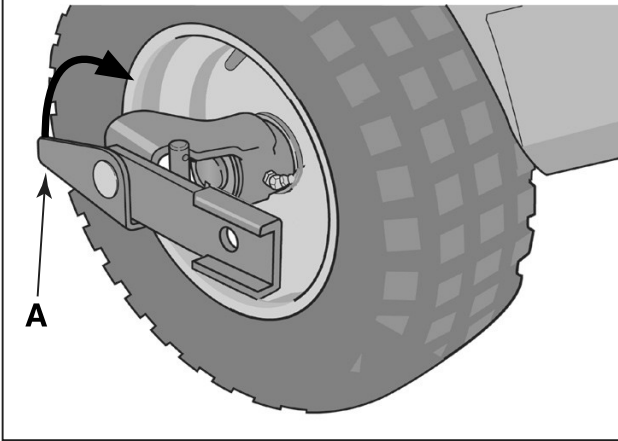
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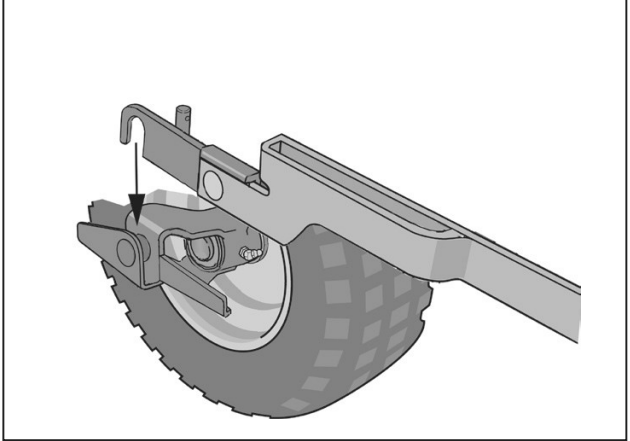
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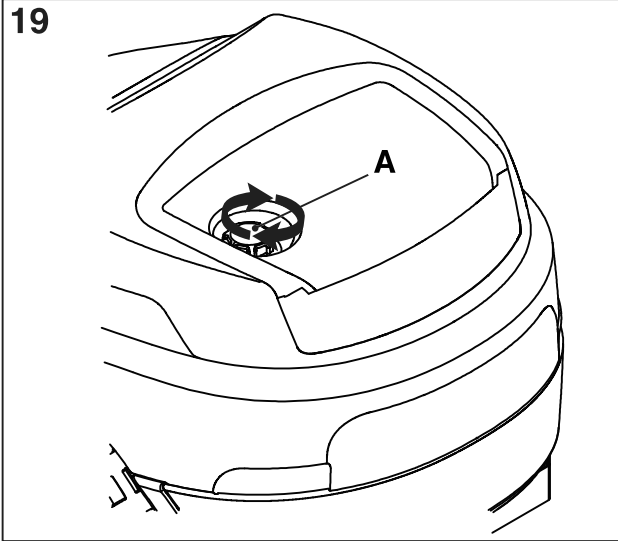
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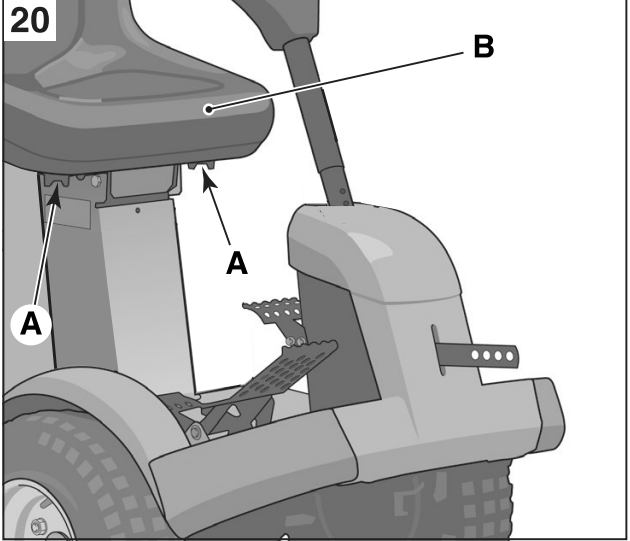
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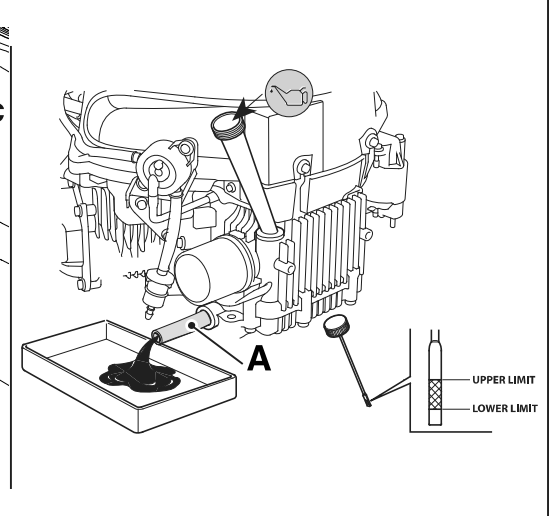
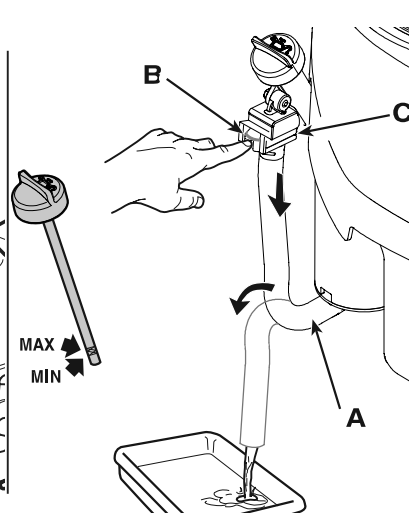
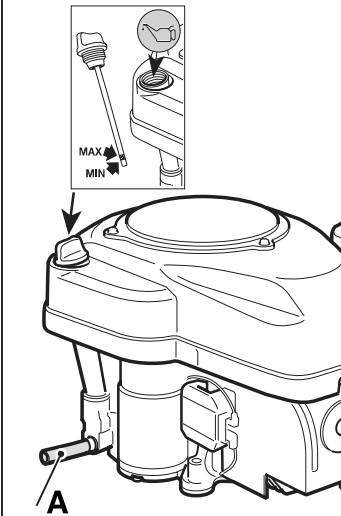


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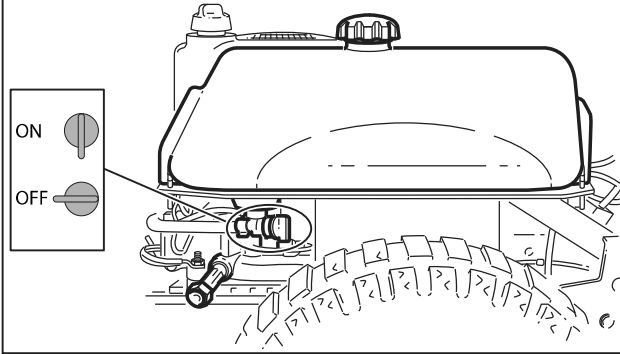
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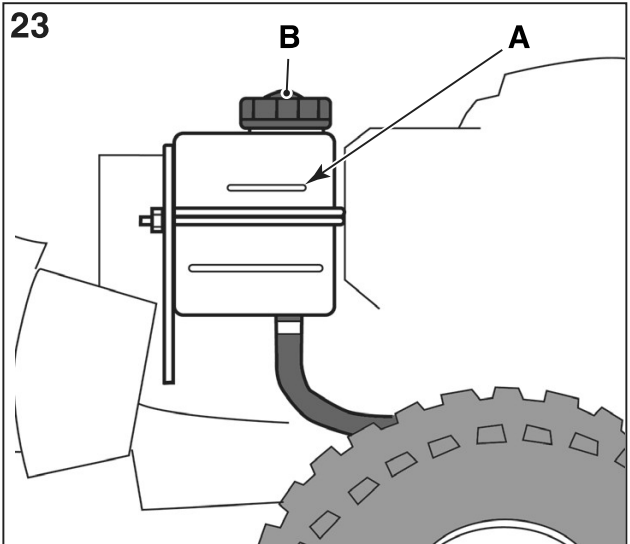
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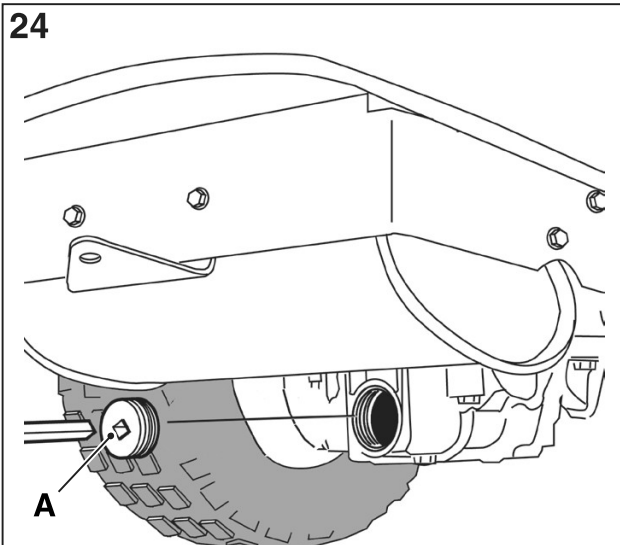
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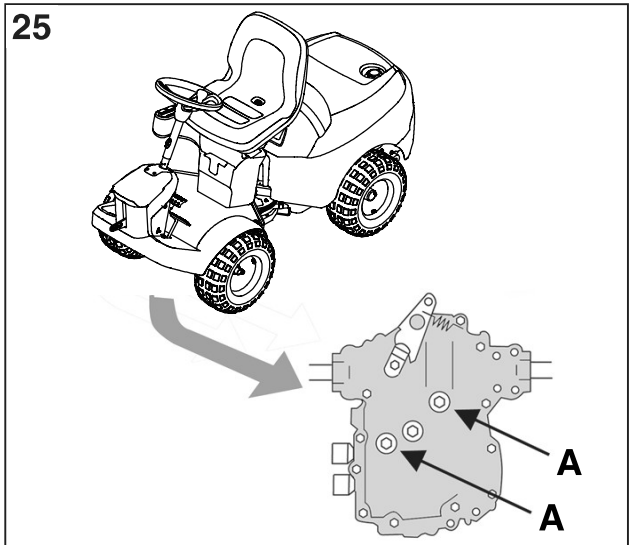
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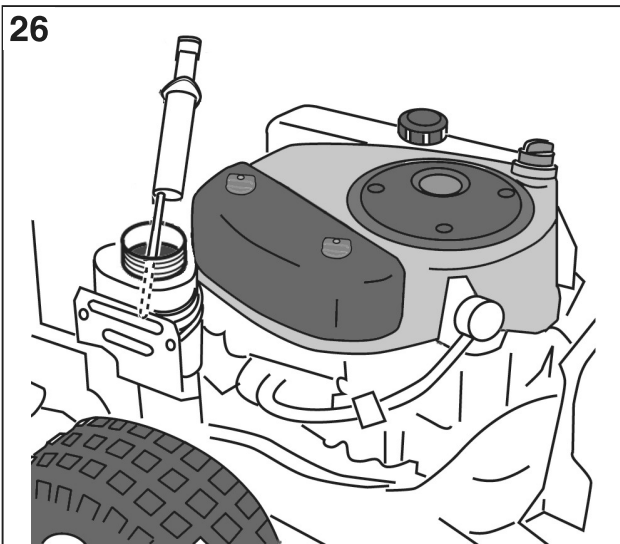
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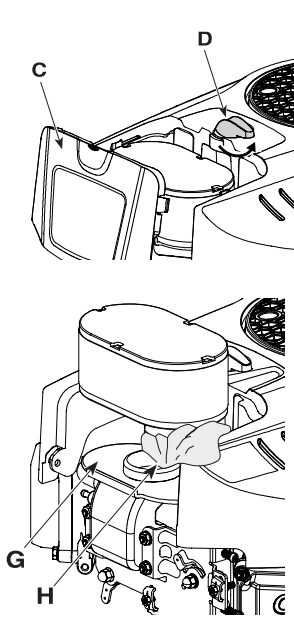


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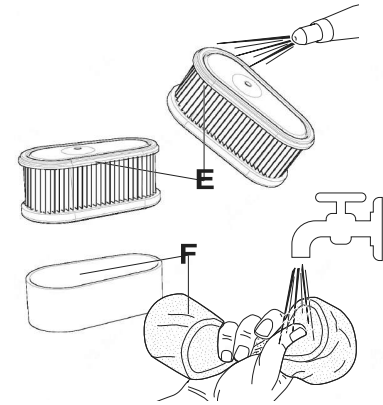
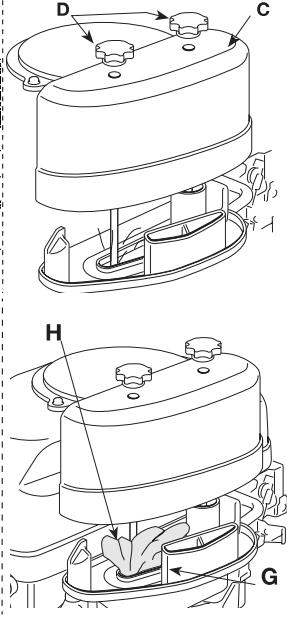


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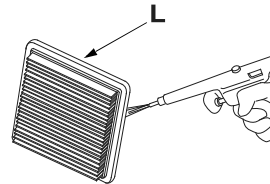
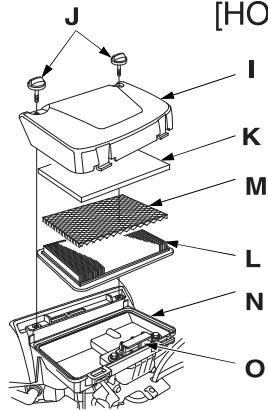
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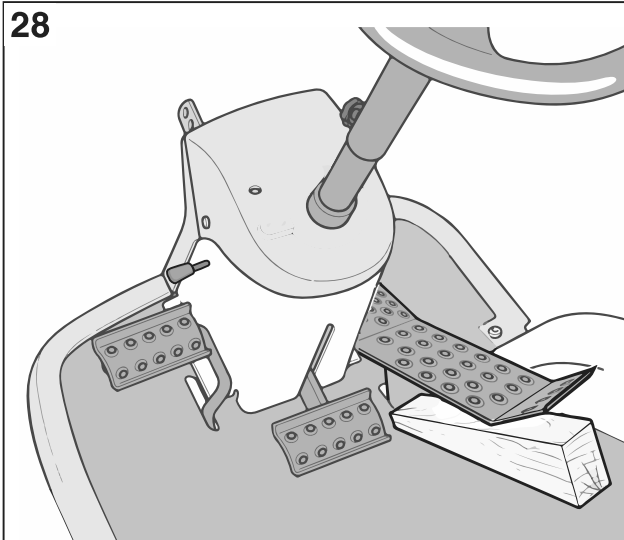
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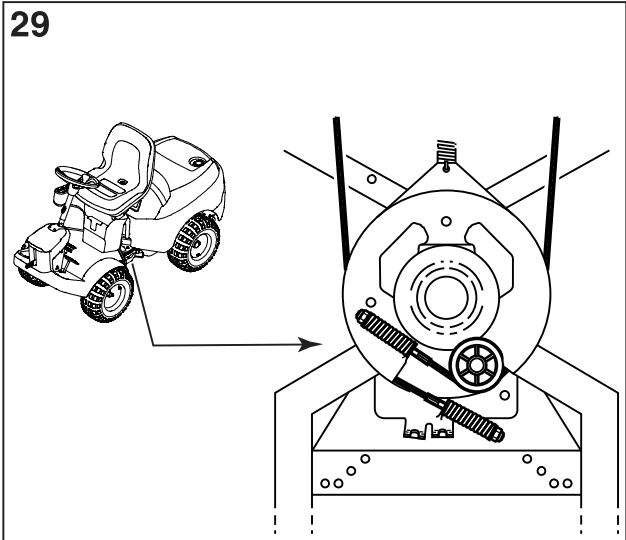
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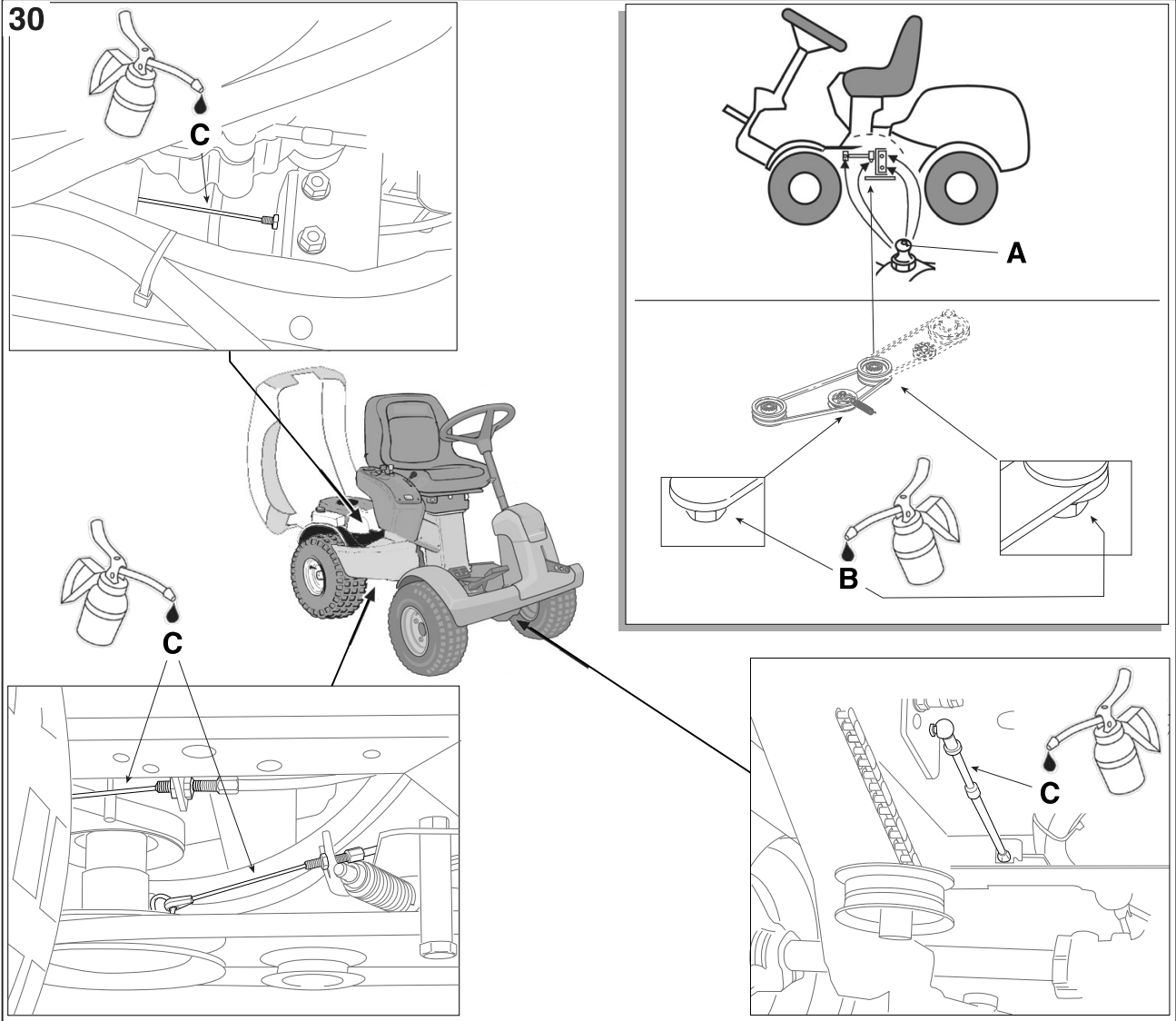
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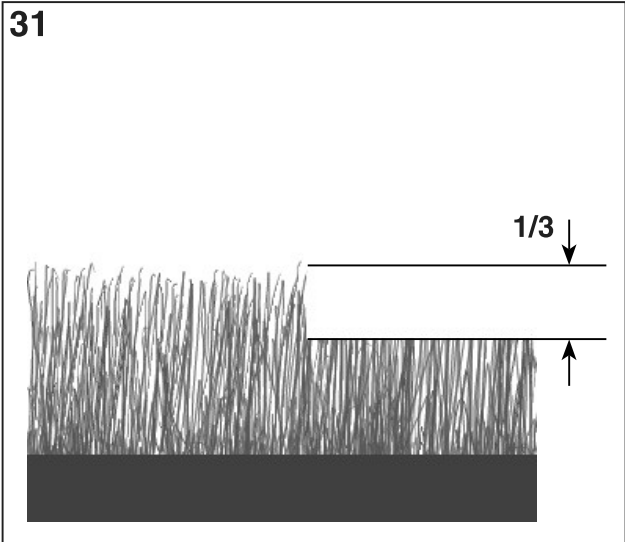
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30



31



0 TECHNICAL DATA TABLE

[1] Type	[41] ACCESSORIES AVAILABLE ON REQUEST
[2] Model	[42] Description
[3] Engine	[43] Trailer
[A] (with petrol pump)	[44] Fertilizer spreader
[4] Engine displacement	[45] Grass and leaf collector
[5] Traction	[46] Snow chains
[6] Power	[47] Mud / Snow wheels
[7] Engine revs	[48] Cutting device assy
[8] Electrical System	[49] Front harrow
[9] Battery	[50] Snow thrower
[10] Fuel	[51] Front sweeper
[A] Unleaded petrol	[52] Blade type snow plough
[11] Fuel tank capacity	[53] Rear wheel counterweights
[12] Engine oil	[54] (**) Counterweights must be installed on the rear wheels
[13] Engine oil, service category	[55] TABLE FOR CORRECT ACCESSORY COMBINATIONS
[A] or higher	[56] REAR ACCESSORIES
[14] Engine oil tank capacity	[57] FRONT ACCESSORIES
[15] Transmission fluid	[58] Accessory
[16] Quantity of transmission fluid required for fluid change	[59] (***) For P 901 C W models, when the cutting device assies "type 110C E QF" are installed at the same time as the trailer, counterweights must be installed on the rear wheels.
[17] Spark plug	
[A] or equivalent	
[18] Spark gap	
[19] Tyres	
[20] Spark gap	
[21] Tyres	
[22] Tyre pressure	front
	rear
[23] Cutting height	
[A] For the cutting height, please refer to the "Technical Data Table" in the cutting device assy manual.	
[24] Forward travel speed (indicative)	
[25] Reverse travel speed (indicative)	
[26] Machine weight with empty tank	
[27] A = Length	
[28] B = Pitch	
[29] C = Height	
[30] D = Width	
[31] Measured sound power level	
[32] Uncertainty	
[33] Guaranteed sound power level	
[34] Sound pressure level	
[35] Uncertainty	
[36] Vibration value in the driver's seat	
[37] Uncertainty	
[38] Vibration value in the steering wheel	
[39] Uncertainty	
[40] Cutting height electric adjustment	

* See the pressure indicated on the tyres

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1 INTRODUCTION



Read the instruction manual carefully before starting the engine.

1.1 STRUCTURE OF THE MANUAL

The manual consists of the cover, an index, a section including all the illustrations, the explanatory text.

The content is divided into chapters, paragraphs and sub-paragraphs.

This manual contains some tables relating to the various engines (if any).

To facilitate reading, highlight the data that refer to the relevant machine or engine.

Figures

The figures in these instructions for use are numbered 1, 2, 3, etc.

The components indicated in the figures are identified with letters A, B, C, and so on.

A referent to the illustration is indicated with the wording (2).

A reference to component A in figure 2 is indicated with the wording (2:A).

Headings

The headings in these instructions for use are numbered as indicated in the following example: 2.3 INTENDED USE” is a subtitle of “GETTING TO KNOW THE MACHINE” and is included under this heading.

When referring to headings, usually only relative numbers are specified, for example “See 2.3.1”.

1.2 SYMBOLS



WARNING symbol. Failure to follow the instructions provided may result in serious injury to persons and/or damage to property.



OBLIGATION symbol. Indicates an obligatory action to be performed.



PROHIBITION symbol. Indicates a prohibited operation.



NOTE symbol. Indicates information or in-depth analysis of particular importance.



REFERRAL symbol. Indicates a reference to information, the note indicates where the information is.

1.3 MANUAL STORAGE

Keep the manual in good condition and legible, in a place known and easily accessible to the machine user.

2 GETTING TO KNOW THE MACHINE

This machine is a garden tool and precisely a front cutting ride-on lawnmower with seated operator.

The machine is equipped with an engine which drives the cutting device assembly protected by a casing, as well as a transmission unit that moves the machine.

The machine is articulated. This means that the chassis is divided into a front and a rear section which can be steered in relation to each other. Articulated steering allows the machine to turn around trees and other obstacles with an extremely small turning radius.

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

The safety devices installed on the machine will disengage the engine and cutting device assembly.

2.1 MODELS [2WD]

This machine is fitted with rear traction.

The rear axle is equipped with hydrostatic drive with infinite forward and reverse gears.

The rear axle is also equipped with a differential to facilitate steering.

Front mounted accessories are driven by drive belts.

2.2 MODELS [4WD]

The machine has 4 wheel drive.

Power from the engine to the drive wheels is transmitted hydraulically.

The engine drives an oil pump which drives the rear and front axles (wheels) through a hydraulic circuit.

The front and rear wheels rotate at the same speed.

To facilitate steering, both axles are equipped with differentials.

Front mounted accessories are driven by drive belts.

2.3 INTENDED USE

This machine was designed and built to cut grass. The use of special attachments 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 attachments.

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.



The machine must be used by one operator.



The stability of the machine is reduced if a front attachment other than the cutting device assembly is used.



The machine must be used with at least the cutting assembly or other front attachment mounted.

2.3.1 User type definition

This machine is intended for use by consumers, i.e. non-professional operators.

The machine is intended for "DIY" use only.

2.4 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 specified attachment 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 cutting device on surfaces other than grass.



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.

2.5 SAFETY SIGNS

The safety signs on the machine inform the user about the behaviour to be followed when using the machine, especially in operations that require caution and attention.



WARNING. Indicates a hazard. It is normally combined with other signs that indicate the particularity of the hazard.



Warning! Read the instruction manual carefully before using the machine.



Warning! Beware of any objects left lying around. Beware of any persons in the work area.



Warning! Always wear protective earplugs.



Warning! The machine has not been approved for use on public roads.



Warning! This machine, with original accessories installed, can proceed with a maximum inclination of 10°, regardless of the direction.



Tyre pressure. The label shows the optimal tyre pressure values - see chap. "0 TECHNICAL SPECIFICATIONS TABLE". Correct tyre pressure is an essential condition for obtaining good results from using the machine.

2.5.1 Stickers (4)



Parking brake lock indication.



Gear engagement/release indication (4:A).

The sticker is located:

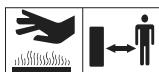
- near the gear engagement/release lever.



Indication of the maximum towable weight (4: B).

The sticker is located:

- near the tow bar.



Warning! Burns hazard (4:C). Do not touch the muffler.

The sticker is located:

- near the muffler;



Warning! Crushing hazard (4:D). Keep hands and feet away from the articulated steering joint and the tow hitch when an accessory is attached.

The sticker is located:

- near the articulated steering joint;
- near the tow bar.



Any damaged or illegible decals must be replaced.



Order replacement decals from an authorised service centre.

2.6 PRODUCT IDENTIFICATION LABEL

The identification label holds the following data (see fig. 1):

1. Manufacturer's address
2. Type of machine
3. Acoustic power level
4. Conformity marking
5. Machine mass with empty tank in kg
6. Operating engine power and speed
7. Year of manufacture
8. Serial number
9. Article code



Write the serial number of your machine in the space provided in the figure (1:10).

The product is identified thanks to two components:

- The item and serial numbers of the machine.
- The serial numbers, type and model of the engine.



Quote the identification names whenever you contact an authorised service workshop.



The example of the Declaration of Conformity is provided on the penultimate page of the manual.

2.7 MAIN COMPONENTS

The machine consists of the following main components (see fig. 1):

- A. Chassis
- B. Wheels
- C. Steering wheel
- D. Seat
- E. Console
- F. Foot controls
- G. Engine bonnet
- H. Front attachment lift lever
- I. Fuse box
- J. Battery
- K. Fuel tank
- L. Transmission oil tank
- M. Engine
- N. Quick release supports for attachments

3 SAFETY REGULATIONS



Read these instructions carefully before operating the machine.

3.1 TRAINING



WARNING! Read these instructions carefully before operating the machine.

Become acquainted with the controls and the proper use of the machine.

Learn to stop the machine and disengage the controls quickly.

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.



Never allow children or persons unfamiliar with these instructions to use the machine.

Local regulations may restrict the age of the operator.



Never mow while people, especially children, or pets are nearby.



Never use the machine if the user is tired or unwell, or has taken medicine, drugs, alcohol or any substances which may slow his reflexes and compromise his judgement.



Bear in mind that the operator or user is responsible for accidents or unexpected events occurring to other people or their property.

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.



If the machine is sold or lent to others, make sure that the operator reads the user instructions contained in this manual.



Do not allow children or other passengers to ride on the machine as they could fall off and injure themselves or compromise safe driving by the operator.



The machine operator must follow the driving instructions carefully and, in particular:

- a. Avoid distractions and maintain concentration whilst working;
- b. Bear in mind 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;
 - Excessive speed;
 - Inadequate braking;
 - Type of machine unsuitable for its task;
 - Lack of awareness of the effect of ground conditions, especially slopes;
 - Incorrect use as a towing machine;



The machine is supplied with a series of micro-switches and safety devices which must never be tampered with or removed; this will invalidate the warranty and relieve the manufacturer from all responsibility. Always check that the safety devices are working properly before using the machine.

3.2 PRELIMINARY PROCEDURES

- While using the machine, always wear anti-slip and resistant work footwear and long pants.
- Do not operate the machine when barefoot or wearing open sandals.
- Avoid wearing chains, bracelets, clothing that is loose fitting or has hanging cords or ties.
- Tie hair back if it is long. Always wear protective earplugs.
- Thoroughly inspect the entire work area and remove anything that could be thrown by the machine or damage the cutting unit or motor (stones, branches, iron wire, bones, etc.).



WARNING: DANGER! The fuel is highly flammable.

- a. Store the fuel in special containers;
- b. add fuel, using a funnel, only outdoors; do not smoke during this operation and each time fuel is handled;
- c. Top-up with fuel before igniting the engine; never remove the tank cap or add fuel while the engine is running or when it is hot;
- d. if you have spilled some fuel, 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 fuel vapours have dissipated.
- e. Replace caps of all fuel tanks and containers securely.



Replace faulty mufflers.



Before use, always inspect the machine in general and in particular the cutting device and check whether the screws and cutting devices are worn or damaged.

Replace the entire cutting means and all damaged or worn screws to preserve balance.

Any repairs must be done at a specialised centre.



Check the battery status regularly. Replace it if there is any damage to the casing, cover or terminals.

3.3 DURING USE



Do not operate the engine in a confined space where dangerous carbon monoxide fumes can develop.

All starting operations have to be effected in an open or well ventilated area.

Always remember that exhaust gases are toxic.



Work only in daylight or with good artificial light in good visibility conditions. Keep persons, children and animals away from the working area.



If possible, avoid mowing wet grass. Avoid working in the rain and when there is a risk of a thunderstorm risk. Do not use the machine in bad weather conditions, especially when there is risk of lightning.



Before igniting the engine, disengage the cutting device or the power socket and put the transmission in neutral.



Pay special attention when approaching obstacles that could compromise visibility.



Engage the parking brake when parking the machine.



The machine must not be used on slopes of over 10° (17%), regardless of the mowing direction.



Remember there is no such thing as a "safe" slope. Driving on grass slopes requires particular care. To prevent overturning or loss of control over the machine:

- a. Do not stop or start suddenly when going up or downhill;
- b. Engage the drive slowly and always keep the machine in transmission, especially when travelling downhill;
- c. Machine speeds should be kept low on slopes and during tight turns;
- d. Watch out for humps, hollows and other hidden hazards;
- e. Never mow across the face of the slope. Lawns on a slope have to be mowed moving up and down and

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



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



Be very careful near ravines, ditches or embankments. The machine could overturn if a wheel slides over the edge or if the earth gives way.



Pay maximum attention when working in reverse gear. Look behind you to make sure there are no obstacles before and during operations in reverse gear.



Use care when towing loads or using heavy equipment:

- a. Use approved drawbar hitch points only when towing;
- b. Limit loads to those you can safely control;
- c. Do not turn sharply. Take care when reversing;
- d. Use counterweight(s) or wheel weights whenever advised in the instructions manual.



Disengage the cutting device or the power socket when crossing areas with no grass, when moving to or from areas that require mowing, and move the cutting device assembly to its highest position.




Look out for traffic when using the machine near the road.




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




Never use the machine if the guards are damaged,


 Never place your hands and feet near or under rotating parts. Keep away from the discharge opening.

 Do not leave the machine stopped on high grass with the engine running to avoid the risk of starting a fire.


 When using the attachments, never direct the opening towards people.


 Use manufacturer-recommended attachments only.

 Don't use the machine if the attachments/tools are not installed in their seats. Driving without attachments could jeopardise machine stability.


 Pay attention when using the grass catcher and attachments that can alter the stability of the machine, especially on slopes.

 Do not change the engine settings or over-rev the engine.


 Do not touch the engine parts as they get very hot when running. Burn hazard.


 Disengage the cutting device or power socket, put in neutral and engage the parking brake, turn off the engine and remove the ignition key (checking that all moving parts are completely stationary):


- a. Whenever the machine is left unattended or the operator dismounts from the driving seat;
- b. Before clearing blockages or unclogging the discharge chute;
- c. Before checking, cleaning or working on the machine;
- d. After striking a foreign object. Inspect the machine for damage and make repairs before using it again;


 Disengage the cutting device or the power socket and switch off the engine (making sure that all moving parts are stationary):


- a. Before refuelling;
- b. Whenever you remove or reattach the grass catcher;
- c. Before adjusting the cutting height, if this operation can not be performed from the driving seat.

 Disengage the cutting device or the power socket during transport and whenever it is not in use.


 Reduce the throttle setting before stopping the engine. Shut off the fuel supply on completing the work, following the instructions in the engine manual.


 Pay attention to cutting assemblies with more than one cutting device, as a rotating cutting device can trigger the rotation of the others.

 **WARNING** – If something breaks or an accident occurs whilst working, turn off the engine immediately and move the machine away to prevent further damage; if an accident occurs with injuries or third parties are injured, carry out the first aid measures most suitable for the situation immediately and contact the medical authorities for any necessary health care. Carefully remove any debris which could cause damage or injury to persons or animals if ignored.

 **WARNING!** The noise and vibration levels shown in these instructions are the maximum levels for use of the machine. The use of an unbalanced cutting element, the excessive speed of movement, or the absence of maintenance have a significant influence on noise emissions and vibrations. Consequently, it is necessary to take preventive steps to eliminate possible damage due to high levels of noise and stress from vibration. Maintain the machine well, wear ear protection devices, and take breaks while working.

3.4 MAINTENANCE AND STORAGE

 **WARNING!** – Before cleaning or doing maintenance work, take out the ignition key and read the relevant instructions. Wear proper clothing and protective 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 re-

placed and never repaired. Use original replacement parts only: the use of non-original and/or incorrectly fitted parts will jeopardize the safety of the machine, may cause accidents or personal injuries for which the Manufacturer is under no circumstance liable or responsible.



Any adjustments or maintenance operations not described in this manual must be carried out by your Dealer or a specialized Service Centre with the necessary knowledge and equipment to ensure that the work is done correctly maintaining the machine's original safety level. Any operations performed in unauthorized centres or by unqualified persons will totally invalidate the Warranty and all obligations and responsibilities of the Manufacturer.

- After each use, remove the ignition key and check for damage.
- Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition. Routine maintenance is essential for safety and for maintaining a high performance level.
- Check that the cutting device screws are properly tightened on a regular basis.



Wear work gloves when handling, disassembling and reassembling the cutting device.



Keep the cutting means well balanced during sharpening. All work on the cutting means (disassembly, sharpening, balancing, reassembly and/or replacing) are demanding jobs that require special skills as well as special tools. For safety reasons, these jobs are best carried out at a specialised centre.

- Check that the brakes work properly on a regular basis. It is vital for brakes to undergo regular maintenance and, where necessary, repair work.
- Replace any instruction or warning message stickers, if damaged.
- If the machine does not have mechanical transport stops, the attachments must always be placed on the ground when the machine is parked, stored or left unattended.

- Store the machine out of the reach of children.



Do not store the machine with fuel in the tank in an area where fuel vapours could reach a flame, a spark or a strong heat source.

- Allow the engine to cool before storing in an enclosed space.
- To reduce fire hazards, keep the engine, muffler, battery compartment and petrol storage area free of grass, leaves, or excessive grease.
- To reduce the risk of fire, regularly check the machine for oil and/or fuel leaks.
- If the fuel tank has to be emptied, this should be done outdoors once the engine has cooled down.
- Never leave the keys in the ignition or within reach of children or unauthorised persons. Always remove the ignition key before doing any maintenance.



WARNING! - The acid contained in the battery is corrosive. It could leak in case of mechanical damage or over-charging. Avoid inhalation and contact with any part of the body.



Inhaling acid vapours causes damage to mucous membranes and internal organs. Seek medical attention immediately.



WARNING! - Do not over-charge the battery. Excessive charging can cause it to explode causing the acid to leak.



WARNING! - Acid causes severe damage to tools, clothing and other materials. Immediately rinse the affected area with water.



Never short-circuit the battery terminals. The resulting sparks could cause a fire.



PAY ATTENTION to hydraulic components. Escaping hydraulic fluid under pressure can penetrate and severely damage the skin, requiring immediate medical attention.

3.5 TRANSPORT



WARNING! - If the machine must be transported on a truck or trailer, use ramps with suitable resistance, width and length.

During transport, close the fuel stop-cock (if fitted), lower the cutting device assembly or attachment, engage the parking brake and fasten the machine securely with ropes or chains to the hauling device.

3.6 ENVIRONMENTAL PROTECTION

- Safeguarding the environment must be a relevant and priority aspect of machine use, of benefit to the community and the environment we live in. Avoid being a disturbance to the neighbourhood.
- Adhere strictly to the local regulations governing the disposal of packaging, oil, fuel, filters, damaged parts or any other element which may have an impact on the environment; this waste should not be disposed of along with standard household waste, but must be disposed of separately and sent to special waste disposal facilities for handling and recycling.
- Scrupulously comply with local regulations for the disposal of waste materials after mowing.
- When the machine is withdrawn from service, do not dispose of it in the environment, but take it to a waste disposal facility in accordance with the local regulations in force.

4 INSURE THE LAWNMOWER

Check the insurance of the ride-on mower.

Contact your insurance company.

You must take out a policy that includes traffic, fire, damage and theft.

5 ASSEMBLY



Before first use, fully charge the battery.



Do not use the machine until all the indications provided in the "ASSEMBLY" section have been carried out.



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

5.1 ASSEMBLY COMPONENTS (3)

The machine is delivered with the seat, the arm-rests, the steering wheel, the tow bar, the quick release supports removed and the battery placed in its seat but disconnected.

The packaging includes the assembly components (3) listed in the table below:

Pos.	N.	Description	Dimensions
B	2	Ignition key	/
C	2	Tension pin	6x36
D	1	Shim washer	16x38x0.5
E	1	Shim washer	16x38x1.0
F	2	Shoulder washer	/
G	2	Screw	8x20
H	2	Knobs	/
I	4	Washer	8.4x24x1.5
J	1	Tow plate	/
K	4	Screw	8x20
L	2	Nut	M8
M	2	Battery screw	/
N	2	Battery nut	/
R	2	Grower washer	14 x 8.2 x 2

5.2 ENGINE BONNET



To access the fuel cock, battery and engine, open the engine bonnet.

The engine bonnet opens as follows:

1. Raise the seat latch (7:A) and tilt the seat forward.
2. Grasp and lift the engine bonnet (8:B).



It is forbidden to start the engine when the bonnet is open.

5.3 BATTERY

For the type of battery used on the machine see "0 TECHNICAL SPECIFICATIONS TABLE"



WARNING! The acid contained inside the battery is corrosive and its contact is harmful.

Handle the battery carefully taking care not to let it leak out.



Do not check and/or top up the battery fluid

5.3.1 Battery connection (5)

Connect the battery to the machine electrical system using the screws and nuts (3:M; 3:N)

1. Connect the red cable to the positive battery terminal (+).
2. Connect the black cable to the negative battery terminal (-).



The battery may short or be damaged if the cables are disconnected/connected in the reverse order.



The alternator and battery will be damaged if the cables are interchanged.



Securely tighten the cables. Loose cables can cause fire.



Never run the engine if the battery is not connected. The alternator and electrical system could be seriously damaged.

5.3.2 Battery power reserve



Before first use, fully charge the battery.



For battery charging procedures see 9.10.

5.4 SEAT (6)

Release the latch (6:A) and tilt the seat bracket upwards.

Mount the bracket in the rear (upper) holes as follows:

1. Fit the shoulder washers (6:B) to the screws (6:K), complete with washers (6:R).
2. Insert the screws in the bracket slots (6:G). Place a washer (6:D) between the seat and the bracket.
3. Tighten the seat screws. Tightening torque 9 ± 1.7 Nm.



The seat will be damaged if the screws are tightened to a torque greater than 9 ± 1.7 Nm.

4. Check that the seat slides easily in the bracket slots.

Mount the bracket in the front (lower) holes as follows:

1. Fit the knobs (6:E) on the screws (6:F).
2. Fit a washer (6:D) on each screw.
3. Insert the screws in the bracket slots and tighten by hand.
4. Recline the seat down and move it to the desired position.
5. Tighten the knobs (6:E) by hand.

The seat is reclinable. If the car is left outside in the rain, fold the seat forward to prevent the cushion from getting wet.

The seat is locked. To lower or raise the seat, first release the latch (6:A).

5.5 STEERING WHEEL (9)

• Type "I" steering wheel

To minimise the axial play of the steering column, fit the 0.5 mm and/or 1 mm shim washers (3:D; 3:E) on the steering column between the sleeves pos. (9:A) as follows.

1. Fit the sleeve (9:B) on the steering column and secure it by inserting one of the pins (9:C) about 1/3 of its length.
2. Pull the sleeve and the steering column upwards.
3. Check that the 0.5 mm washer, the 1 mm washer or both can be inserted into the opening created at point (9:A). The washer(s) must not be forced, as there must be a slight axial play.
4. Extract the pin (9:C) with the pin punch (9:D) and remove the sleeve.
5. Fit the washer(s) as determined in step 3 above.

- Fit the sleeve onto the steering column and secure by fully inserting the pins. Lock the steering column.

- Type "II" steering wheel**

- Slide the steering wheel sleeve (9:E) onto the steering column (9:F) as far as it will go.
- Align the holes in the sleeve with those in the column.
- Once the holes (9:G) have been aligned, insert the two pins (9:H).

5.6 TOW BAR (10)

Fit the tow bar (10:B) to the rear of the machine. Use the screws and nuts (10:A; 10:C). Tightening torque 22 Nm.

5.7 QUICK RELEASE SUPPORTS (1:N)

The quick release supports and related installation instructions are supplied in a separate package located in the machine's packaging. Install the quick release supports on the front machine semi-axles.

5.8 TYRE PRESSURE

For tyre pressure see chap. "00 TECHNICAL SPECIFICATION TABLE"

5.9 ATTACHMENTS

To mount attachments, see the separate assembly guide supplied with each attachment.



N.B. In this case the cutting device assembly is considered an attachment.

6 CONTROLS

6.1 MECHANICAL ATTACHMENT LIFT PEDAL (11:A)

It controls the lever (11: A1) used to bring the attachments from the working position to the transport position.

- Transport position: fully press the pedal down and remove your foot, the pedal remains down.
- Working position: slowly press and release the pedal.



Do not switch to the transport position while the attachment is running. This would destroy the drive belt.

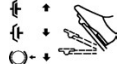
6.2 PARKING BRAKE PEDAL (11:B)



Never press the pedal while driving.

There is a risk of overheating the transmission.

The pedal (11: B) can assume the following positions:



Released. Drive on. The parking brake is not activated.

Half-pressed. Forward drive is disengaged. The parking brake is not activated.

Fully pressed. Drive is disengaged. The parking brake is fully activated but not locked. This position is also used as an emergency brake.

6.3 PARKING BRAKE LOCK LEVER (11:C)



Locks the "brake" pedal in the fully pressed position. This function is used to lock the machine on slopes, during transport, etc., when the engine is stopped.

Lock:

- Fully press the pedal down (11:B).
- Move the latch (11:C) to the right.
- Release the pedal (11:B);
- Release the latch (11:C)

Unlock:

- Press and release the pedal (11:B).

6.4 DRIVE PEDAL (11:D)

The pedal determines the gear ratio between the engine and the drive wheels (= speed).

When the pedal is released, the service brake is activated.



- (○) - Pushing the pedal forward, - the machine moves forward.
- (○) - When there is no load on the pedal - the machine is stationary.
- (○) - Pushing the pedal back - the machine moves in reverse.
- By reducing the pressure on the pedal - the machine brakes.

There is a plate on the top section of the pedal which can be adjusted to suit the driver's foot.



If the machine does not brake as expected when the pedal is released, use the left pedal (11: B) as an emergency brake.

6.5 FUEL CONTROL (ACCELERATOR) (12:E)

Used to adjust engine speed.



Full gas - to be used always when using the machine.



Minimum.

6.6 THROTTLE (IF APPLICABLE) (12:G)

Control to close the throttle in case of cold starts.



Control fully out (12:G1) - throttle closed. For cold starting the engine.

Control fully in (12:G2) - throttle open. For hot starts and while driving.



When the engine is hot, do not proceed with the throttle closed.



Some models are equipped with a system that automatically controls the position of the choke in the carburettor during engine start-up and warming-up.

6.7 IGNITION BLOCK (12:F)

The ignition block is used to start and stop the engine.



When leaving the driver's seat, do not leave the key in position 2 or 3. There is a risk of fire - fuel can enter the engine through the carburettor - and the battery will deplete and be damaged.

The four key positions:



1. Stop position - the motor is short-circuited. The key can be removed.



2/3. On position.



4. Ignition position - turning the key to this position activates the starter motor. When the engine is running, release the key, which returns to the on position.

6.8 STEERING WHEEL (13:E)

• Type "II" steering wheel

The height of the steering wheel is infinitesimal adjustable. Unscrew the steering adjustment knob (13:D) to raise or lower the steering wheel to the desired position. Tighten.



Do not adjust the steering wheel while driving.



Never turn the steering wheel when the machine is stationary with an attachment lowered. There is a risk of abnormal loads on the power steering and steering components.

6.9 CUTTING HEIGHT ADJUSTMENT (12:B)

Control for using the cutting device with electric cutting height regulator.



The switch allows for continuous cutting height adjustment.

The cutting device assembly is connected to the socket (13:C).

6.10 POWER SOCKET (12:A)

Control for connecting and disconnecting the power socket which activates the attachments mounted on the front.



The power socket must never be engaged when the front attachment lift is in the transport position. This will destroy the belt transmission.



Power socket on/off button (12:A).
Press the button to switch the power socket on/off.

6.11 BLUETOOTH (IF APPLICABLE)

Some models are equipped with a Bluetooth function, which allows direct wireless connection between the machine and a device over a short distance.

The device must have the appropriate App for data exchange installed, whose instructions for use are provided separately.

Bluetooth is activated when the machine is turned on and deactivated when the machine is turned off.

Check that the connection to the device/App is active.

6.12 GEAR ON/OFF LEVER (14; 15)

Lever that excludes variable gears.



The 2WD is equipped with a lever connected to the rear axle. See (14:A).

4WD has two levers connected to the rear axle (15:A) and to the front axle (15:B).



The on/off lever must never be between the external and internal position. This condition overheats and damages the transmission.

The levers allow you to move the machine manually (by pushing or pulling), without starting the engine.

The two positions are:

Drive on (14:A1; 15:A1-B1) - transmission engaged for normal use.

Drive off (14:A2; 15:A2-B2) - transmission off. The machine can be moved by hand.

Avoid towing the machine over long distances or at high speeds. The transmission could be damaged.



Do not operate the machine with the drive off. There is a risk of damage and oil leakage in the front axle.

6.13 SEAT ADJUSTMENT (20)



The seat is reclining and can be adjusted forwards and backwards as follows:

1. Loosen the knobs (20:A) without using tools.
2. Move the seat to the desired position.
3. Tighten the knobs (20:A) by hand.



The knobs (20:A) and the seat (20:B) are damaged if tools are used.

The seat is equipped with a safety switch connected to the safety system of the machine.

This means that when there is no one in the seat, the machine cannot be started. (see 7.5).

6.14 ENGINE BONNET



For how to access the fuel cock, the battery and the engine, see 5.2.

6.15 QUICK RELEASE SUPPORTS (16:C)



These supports allow you to easily and quickly switch from one accessory to another.

The quick release supports allow you to easily move the cutting device between two positions, namely:

- Normal position, with the belt fully taut.
- Position 4 cm back from normal, with the belt slack, so that the cutting device comes closest to the base machine.

Since the tensioner is freed from the belt, the quick release supports make it easy to replace the belt and the cutting device assembly, also making it easier to switch to the washing and working positions.

Belt tension release (16; 18)



See also the instructions supplied with the attachment and with the quick release support.

1. Remove the split pins or locking pins (16:B) from both sides.
2. Open the quick release supports by pressing on the rear sections with your heel (16:A).



Once the quick release supports are open, the attachment arms are free, therefore no longer firmly fixed to the hook.



For any adjustment or maintenance work, replace the arms on the support and close it again

1. Perform the necessary task, such as:
 - Unhook the belt.
 - Replace the attachment by releasing the arms (18).

Belt tensioning (16; 17)

Tension one side first, then the other following the instructions below.



Do not turn the lever with your hands. There is a risk of crushing injuries.

1. Place a foot on the lever (17:A) and carefully rotate it half a turn forward.
2. Install the split pins or locking pins (16:B).
3. Repeat the operation on the other side.

7 STARTING AND DRIVING

7.1 PRECAUTIONS FOR USE



Always check that the oil level in the engine is correct. This is especially important when working on slopes (see 9.5).

Be very careful when mowing on slopes: do not make sudden starts or brake, do not use the machine cross-wise, always move from top to bottom or from bottom to top.

Engage the parking brake when parking the machine.



The machine must not be used on slopes of over 10°, regardless of the mowing direction.



Reduce speed on slopes and sharp turns to avoid overturning or losing control of the machine.



When driving at full speed, do not fully turn the steering wheel. The machine could tip over.



Keep hands and feet away from the articulated steering joint and seat support. There is a risk of crushing injuries.

7.2 COMBINED ATTACHMENT USE



For the combined use of attachments, see the "TABLE FOR THE CORRECT COMBINATION OF ATTACHMENTS" in the "0 TECHNICAL SPECIFICATION TABLE" section

7.3 REFUELLING (19)



Always use unleaded petrol. Do not mix petrol with oil.

For tank capacity, see "0 TECHNICAL SPECIFICATION TABLE"

To refuel:

1. Unscrew the tank closure cap and remove it (fig. 19.A).
2. Refuel being careful not to completely fill the tank. Leave some space (corresponding at least to the entire filler neck + 1 - 2 cm at the

top of the tank) so that, when the petrol heats up, it can expand without overflowing.

3. Close the fuel cap securely after refuelling and clean away any spills.



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



NOTE! Fuel is perishable and should not remain in the tank for more than 30 days.

Environmentally friendly fuels such as alkylate petrol can be used. The composition of these petrols has a minor impact on people and the environment.

There are no reported negative effects related to their use. However, there are types of alkylate gasoline on the market for which it is not possible to give precise indications regarding their use.

For further information, please consult the instructions and data provided by the alkylate petrol manufacturer.



In use prior to storage for a long period, (e.g. winter season), fill the tank with a quantity of fuel sufficient to complete that last use.

In fact, before storing the machine, the fuel tank must be completely emptied (see 11).

7.4 CHECKING THE ENGINE OIL LEVEL (21)

The machine is delivered with a full tank of oil in the engine.



Before starting the machine, check the oil level in the engine.



To check/top up the engine oil see 9.5.

7.5 CHECKING THE TRANSMISSION OIL LEVEL



To check/top up the transmission oil see 9.7.

7.6 SAFETY CHECKS

When testing the machine, verify that the results of the safety checks match the results in the following tables.



Always carry out the safety checks before use.



If any of the results fails to match the indications provided in the following tables, do not use the machine!

Take it to a service centre to be checked and repaired if necessary.

7.6.1 General safety check

Object	Result
Fuel lines and connections.	No leaks.
Electrical cables	All insulation intact. No mechanical damage.
Unloading system.	No losses in connection points. All screws are tight.
Oil lines	No leaks. No damage.
Drive the machine forwards and in reverse and release the drive pedal.	The machine stops.
Test driving	No abnormal vibrations. No abnormal sound.

7.6.2 Electrical safety check

Status	Action	Result
The parking brake pedal is not pressed.	Try to start it.	The engine does not start.
Engine running.	The operator gets up from the seat.	The engine stops.

7.7 START-UP/WORKING



When using the machine, the bonnet must be closed and locked.



Always use full gas when using the machine.



When starting the machine wait 2 seconds in the start position before starting the engine.

1. Open the fuel stopcock (22).
2. Check that the spark plug leads are inserted into their spark plugs.
3. Disconnect the power socket (12:A).
4. Do not keep your foot on the service/drive brake pedal (11:D).

Cold start

For 2WD models

1. Put into gear (14:A1).

For 4WD models

1. Put into gear (15:A1-B1).
2. Engage the parking brake (11:B)
3. Move the accelerator to full throttle (12:E).
4. Close the choke (12:G1) (if applicable).
5. Turn the ignition key and start the engine.



Before operating the machine, wait a few minutes to allow the oil to heat up.

Hot start

For 2WD models

1. Put into gear (14:A1).

For 4WD models

1. Put into gear (15:A1-B1).
2. Engage the parking brake (11:B)
3. Move the accelerator to full throttle (12:E).
4. The choke control must be pressed (12:G2) (if applicable).
5. Turn the ignition key and start the engine.



To continue see the instructions given in paragraph 7.7.1.

7.7.1 Run

To operate with the machine proceed as described below:

- Fully press the pedal down (11:B) and release it.
- Press the pedal (11:D) to drive the machine.
- Move to the work area.
- If front attachments are installed, activate the power socket (12:A).
- Start work.

7.8 STOP

Proceed as described below to stop the machine:

- Disconnect the power socket (12:A).
- Engage the parking brake (11:B)
- Turn of the engine by turning the key.
- Close the fuel stopcock. This indication is particularly important if the machine is to be transported on a trailer or similar.



To avoid possible backfires, leave the throttle in the full throttle position before stopping the engine.



If you have to leave the machine unattended, disconnect the spark plug leads and remove the ignition key.



The engine could be very hot immediately after switching off. Do not touch the muffler, the engine or the cooling fins. This can cause burn injuries.

7.9 CLEANING



To reduce the risk of fire, make sure there are no grass, leaves and oil on the engine, muffler, battery and fuel tank

To reduce the risk of fire, regularly check the machine for oil and/or fuel leaks.



Never use high pressure jets of water. It could damage shaft seals, electrical components and hydraulic valves.



Never use high-pressure air directed against the radiator fins. The fin structure would be damaged.

Always clean the machine after use. Follow the instructions below to clean:

- Do not spray water directly on the engine.
- Clean the engine with a brush and/or compressed air.
- Clean the engine cooling air intake.
- After washing with water, start the machine and the cutting device to remove any excess water that could penetrate the bearings and cause damage.

8 ATTACHMENT USE



Check that there are no foreign bodies such as stones, etc. in the grass to be cut.

8.1 CUTTING HEIGHT

For best results, cut one third of the height of the grass. See fig. 31.

If the grass is long and needs to be cut significantly, mow twice using two different cutting heights.

Do not use the minimum cutting height if the surface is uneven.

The cutting devices could be damaged by hitting the surface, undermining the top layer of the lawn.

8.2 MOWING TIPS

To obtain excellent mowing results, follow the instructions below.

- Mow the grass frequently.
- Run the engine at full speed.
- The grass should not be wet.
- Use sharp cutting devices.
- Keep the bottom of the cutting device assembly clean.

9 MAINTENANCE

9.1 SERVICE PROGRAM

To always keep the machine in good condition as regards reliability, operating safety and attention to the environment, always follow the STIGA SpA service program.

The intervention points of this program are illustrated in the attached STIGA SpA maintenance manual.

The Basic Check must always be carried out by an authorised workshop.

The First check and Intermediate check should be carried out by an authorised workshop, but can also be carried out by the user.

The procedures are reported in the manual and are described in the chapter "7 STARTING AND DRIVING", as well as below.

The checks carried out by an authorised workshop guarantee professional work and original spare parts.

The booklet is stamped at each Basic check and

at each Intermediate check carried out by an authorised workshop. A booklet with these stamps increases the value of second-hand machines.

9.2 PREPARATION



All maintenance and control interventions must be performed with the machine stationary and the engine switched off.



Always apply the parking brake to prevent the machine from moving.



Stop the engine.



Avoid accidental engine starts by disconnecting the spark plug cables and removing the ignition key.

9.3 MAINTENANCE TABLE



See chapter "13 SUMMARY MAINTENANCE TABLE". The table will help you maintain your machine's safety and performance. It summarises the main interventions to be made and the frequency applicable to each of them. Carry out the relevant intervention according to the first deadline.



Change the oil more often if the engine has to run in difficult conditions or at a high ambient temperature.

9.4 TYRE PRESSURE

Adjust tyre pressure to the values indicated in "0 TECHNICAL SPECIFICATION TABLE"

9.5 ENGINE OIL TOP UP/CHANGE



For this maintenance, see also the engine manual supplied with the machine.

9.5.1 Check/top-up (21)



Always check the oil level before use. Always check the oil level before use.



1. Wipe around the dipstick.
2. Unscrew and remove the dipstick.
3. Wipe the dipstick clean.
4. Push the dipstick down completely without screwing it into place.

5. Pull the dipstick out again and check the oil level.
6. Top up if the level is lower than the upper limit mark (21).



The oil level must never exceed the upper limit mark. The engine would overheat. If the oil level exceeds the upper limit mark, it is necessary to drain to the correct level.

Change the oil more often if the engine has to run in difficult conditions or at a high ambient temperature.

9.5.2 Change/filling (21)



For the intervention timing see chapter 13.



For the type of oil see "0 TECHNICAL SPECIFICATIONS TABLE"

Use oil without additives.

Change the oil with the engine warm.



The oil may be very hot if removed just after the engine has been switched off. Consequently allow the engine to cool down for a few minutes before proceeding to drain off the oil.

[ST. mod. TRE 0701], [HONDA]

Proceed as follows:

1. Place the machine on a flat surface.
2. Engage the parking brake.
3. Open the engine bonnet.
4. Grasp the clamp on the oil drain hose. Use adjustable pliers, polygrip or similar (21:A).
5. Move the clamp along the oil drain hose upwards by 3-4 cm and remove the cap.
6. Collect the oil in a container.



NOTE! Be careful not to spill oil on the drive belts.

7. Insert the oil drain plug and slide the clamp back over the plug.
8. Clean up any spills.
9. Remove the dipstick and top up with new oil. For the quantity of oil see "0 TECHNICAL SPECIFICATIONS TABLE"
10. Each time you fill, start the engine and idle for 30 seconds.
11. Check there are no oil leaks.

12. Stop the engine. Wait 30 seconds and check the oil level again as indicated in paragraph 9.5.
13. Hand the spent oil over to a disposal facility in accordance with local provisions.

[ST. mod. TRE 586VA]

1. Place the machine on a flat surface.
2. Engage the parking brake.
3. Open the engine bonnet.
4. Place a suitable container under the extension tube (fig. 21.A);
5. Press the split pin (fig. 21.B);
6. Unhook the extension tube from the support bringing it downwards;
7. Bend the extension tube and empty the oil into a suitable container;
8. Hook the extension tube (fig. 21.A) back to the support (fig. 21.C) before topping up the oil.
9. Clean up any spills.



NOTE! Be careful not to spill oil on the drive belts.

10. Remove the dipstick and top up with new oil. For the quantity of oil see "0 TECHNICAL SPECIFICATIONS TABLE"
11. Each time you fill, start the engine and idle for 30 seconds.
12. Check there are no oil leaks.
13. Stop the engine. Wait 30 seconds and check the oil level again as indicated in paragraph 9.5.1.
14. Hand the spent oil over to a disposal facility in accordance with local provisions.

9.5.3 Oil filter replacement (if applicable)



For this maintenance, see also the engine manual supplied with the machine.



For the intervention timing see chapter 13.

We recommend contacting an authorised service centre for this maintenance.

First, drain the engine oil and insert the drain plug as described above.

Hand the spent oil over to a disposal facility in accordance with local provisions.

9.6 FUEL FILTER CHECK/REPLACEMENT



For this maintenance, see also the engine manual supplied with the machine.



For the intervention timing see chapter 13.

After installing the new filter, check for fuel leaks.

9.7 TRANSMISSION OIL CHECK/TOP-UP [4WD]



For the intervention timing see chapter 13.



For the type and quantity of oil see "0 TECHNICAL SPECIFICATIONS TABLE"

9.7.1 Check/top-up (23)

1. Place the machine on a flat surface.
2. Check the oil level in the tank (23:A) The level should be between MAX and MIN.
3. Top up if necessary

9.7.2 Change

Contact an authorised service centre for this maintenance.

9.8 BELT TRANSMISSION CHECK

Check that all belts are intact.



For the intervention timing see chapter 13.

9.9 STEERING



For the intervention timing see chapter 13.

9.9.1 Checks

Turn the steering wheel slightly back and forward. There should not be any mechanical play in the steering chains.

9.9.2 Adjustment (29)

If necessary, adjust the steering chains as follows:

1. Straighten the machine wheels.
2. Adjust the steering chains by means of the two nuts placed under the central point (29).
3. Adjust both nuts equally until any play is eliminated.

4. Test the machine by moving it forward in a straight line and check that the steering is not off-centre.
5. If the steering is off-centre, loosen one nut and tighten the other.



Do not over-tighten the steering chains. This would stiffen steering and increase the wear on its chains.

9.10 BATTERY

For the type of battery used on the machine see "0 TECHNICAL SPECIFICATIONS TABLE"



WARNING! The acid contained inside the battery is corrosive and its contact is harmful.

Handle the battery carefully taking care not to let it leak out.



If acid comes into contact with the eyes or skin it can cause serious injury. If any part of the body comes into contact with the acid, rinse it immediately with plenty of water and seek medical attention as soon as possible.

Battery fluid does not need to be checked or topped up.

The only maintenance required is to charge the battery, for example after a long period of storage. The battery can be charged:

- by the engine
- by a battery charger

9.10.1 Charging by the engine

This mode is only possible if the battery has a minimum charge that allows starting.

- in case of a new battery, connect the cables to the battery.
- Take the machine outdoors.
- Start the engine following the instructions in this manual.
- Run the engine continuously for 45 minutes (time required to fully charge the battery).
- Stop the engine.

9.10.2 Charging by a battery charger



Use a constant voltage charger. Using a standard charger can damage the battery. For more information, contact your local dealer.



Before connecting the charger, disconnect the battery from the electrical system.

9.10.3 Disassembly/assembly

The battery is located under the engine bonnet. Connect and disconnect the cables as follows when assembling or disassembling the battery:

1. During disassembly. First, disconnect the black cable from the negative battery terminal (-). Then disconnect the red cable from the positive battery terminal (+).
2. During assembly. First connect the red cable to the positive battery terminal (+). Then connect the black cable to the negative battery terminal (-).



The battery may short or be damaged if the cables are disconnected/connected in the reverse order. The alternator and battery will be damaged if the cables are interchanged. Securely tighten the cables. Loose cables can cause fire. Never run the engine if the battery is not connected. The alternator and electrical system could be seriously damaged.

9.10.4 Cleaning



For the intervention timing see chapter 13.

If the battery terminals are oxidized, they need to be cleaned.

Clean the battery terminals with a wire brush and grease them.

9.11 AIR FILTER, ENGINE (27)



For the intervention timing see chapter 13.



For this maintenance, see also the engine manual supplied with the machine.

9.11.1 Cleaning/Replacement



For the intervention timing see chapter 13.



NOTE! Filters need to be cleaned/replaced more often if the machine is working on very dusty ground.

Remove/install the air filters as follows:

[ST.]

1. Clean the area around the filter cover (27:C).
mod. TRE 0701
2. Remove the cover (27:C) by unscrewing the two knobs (27:D).
mod. TRE 586 VA
2. Open the cover (27:C) by turning the opening knob (27:D).
3. Remove the filtering element (27:E, 27:F).
4. Remove the foam pre-filter (27:F) from the cartridge (27:E).
5. Tap the cartridge (27:E) on a solid surface and blow with compressed air from the inside to remove dust and debris.
6. Wash the foam pre-filter (27:F) with water and detergent and allow it to air dry.
7. Clean the inside of the filter housing (27:G) from dust and debris, taking care to close the intake duct with a rag (27:H) to prevent them from entering the engine.
8. Remove the rag (27:H), arrange the filtering element (27:F, 27:E) in its housing and reassemble the cover (27:C).

IMPORTANT

Do not use water, petrol, detergents or any other products to clean the cartridge.

IMPORTANT

The foam pre-filter (27:D) should NOT be greased.

[HONDA]

1. Clean the area around the filter cover (27:I).
2. Remove the two bolts (27:J) from the air filter cover and remove the cover (27:I).
3. Remove the foam cartridge (27:K).
4. Remove the paper cartridge (27:L) from the grille (27:M).
5. Check both cartridges and replace if damaged.
6. Clean the cartridge (27:L) by tapping it on a solid surface and blow with compressed air from the inside to remove dust and debris.

7. Clean the foam cartridge (27:K) in warm soapy water, rinse and allow to air dry.
8. Immerse the foam cartridge in clean engine oil, then squeeze it to expel the excess oil.
9. Clean the inside of the filter housing (27:N) with a damp cloth, taking care not to allow dirt to enter the suction duct.
10. Reassembly in reverse order to disassembly. The grille (27:M) must be positioned between the foam cartridge (27:K) and the paper cartridge (27:L).

9.11.2 Replace the spark plug



For the intervention timing see chapter 13.



For this maintenance, see also the engine manual supplied with the machine.

Before removing the spark plug, clean the area surrounding its installation point.

For the type of spark plug and electrode distances, see "0 TECHNICAL SPECIFICATIONS TABLE"

9.11.3 Air vent cleaning



For the intervention timing see chapter 13.

The engine is air cooled.

If the cooling system is blocked, the engine could be damaged.

Make sure the cooling air vents (21:C) are not obstructed.

A more thorough cleaning of the cooling system is performed during each Basic Check.

9.12 LUBRICATION (30)



For the intervention timing see chapter 13.

Object	Action	Fig.
Central point	4 lubricators Use a lubricator filled with universal grease Pump until grease flows out	30A

Object	Action	Fig.
Steering wheel chain	Clean the chain with a wire brush. Lubricate with universal chain spray	-
Tension arms	Lubricate the support points with oil upon activation of each control. This should be done by two people.	30B
Control wires	Lubricate the wire ends with oil upon activation of each control. This should be done by two people	30C

9.13 FUSES (5:A)

Use	Fuse
Electric system power.	20 A

10 ASSISTANCE AND REPAIRS

This manual provides all the necessary information to run the machine and for correct basic maintenance operations which can be performed by the user.

Any regulations and maintenance operations not described herein must be carried out by your Dealer or Authorised Service Centre, which have the necessary knowledge and equipment to ensure that the work is carried out correctly, maintaining the correct degree of safety and the original operating conditions of the machine.



Before performing any service operations:

- Place the machine on a flat surface.
- Engage the parking brake (11:B).
- Stop the engine.
- Remove the key from the ignition.

Authorised service workshops carry out repairs and maintenance under warranty.

They only use original spare parts.



Original STIGA SpA spare parts and accessories have been designed specifically for STIGA SpA machines. Please note that non-original spare parts and accessories have not been verified and approved by STIGA SpA.



The use of non-genuine spare parts and attachments could adversely affect machine operation and safety. STIGA SpA shall not be liable for any injuries or damage caused by such parts.

Genuine spare parts are supplied by authorised assistance workshops and dealers.



It is advisable to send your machine once a year to an authorized service workshop for servicing, assistance and safety device inspection.

11 STORING

- Empty the fuel tank:
 - Start the machine engine and let it run until it stops.
- Change the oil when the engine is still warm.
- Clean the entire machine. It is especially important to clean the underside of the cutting device assembly.
- If the paint is damaged, touch-up the areas to prevent rusting.
- Store the machine indoors in a dry place.

In machines with electric starter:

If the storage temperature is correct, a maintenance charge of the battery every four months is sufficient.



Before storing the machine, charge the battery.

The battery suffers serious damage if stored when dead.

12 PURCHASE CONDITIONS

The warranty covers all material and manufacturing defects.

The user must follow all the instructions provided in the accompanying documentation.

The warranty does not cover damages caused by:

- Failure to become familiar with the documentation accompanying the machine.
- Carelessness.
- Incorrect or prohibited use or assembly.
- Use of non-genuine spare parts.
- Use of accessories not supplied or approved by STIGA SpA.

The warranty does not cover:

- Normal consumable material wear such as worm screws, etc.
- Normal wear and tear.
- Engines. Engines are covered by the warranty provided by the relative manufacturer in compliance with the specified terms and conditions.

The purchaser is protected by his or her own national legislation. The purchaser's rights under the national laws or his or her own country are not in any way restricted by this warranty.

13 SUMMARY MAINTENANCE TABLE

Intervention	Frequency working hours/calendar months		Par. / Ref. fig.
	First time	Subsequently	
MACHINE			
Check all fasteners	-	Before each use	-
Safety checks/check controls	-	Before each use	-
Tyre pressure check	-	Before each use	-
General cleaning and inspection	-	After each use	-
General lubrication	-	50 hours and after each cleaning	9.12
Check transmission belt wear	5 hours	50 hours	9.8
Check/adjust the steering wheel	5 hours	100 hours	9.9
Battery power reserve	-	Before storage. In machines with electric starter: charge every 4 months	9.10
Clean battery terminals	-	When oxidised	9.10.4
ENGINE/TRANSMISSION (general)			
Check/top-up engine oil	-	Before each use	9.5.1
Check/top up drive oil	1 hour	50 hours	9.7.1
Transmission oil change	50 hours **	200 hours **	9.7.2
Transmission filter change	50 hours **	200 hours **	-
Tank filter change	50 hours **	200 hours **	-
Engine mod. ST.			
Engine oil change (mod. TRE 586VA)	5 hours	100 hours ***	9.5.2
Engine oil change (mod. TRE 0701)	5 hours	50 hours ***	9.5.2
Air vent cleaning	-	5 hours/After each use	9.11.3
Air filter cleaning	-	5 hours/After each use	9.11.1 *

Intervention	Frequency		Par. / Ref. fig.
	working hours/calendar months		
Paper air filter replacement	-	50 hours/end of season	9.11.1 *
Check/adjust spark plugs	-	50 hours/end of season	9.11.2
Replace the spark plug	-	100 hours	9.11.2
Check/replace fuel filter	-	100 hours	9.6 **
Engine mod. Honda			
Replacement of the engine oil	20 hours	100 hours/6 months	9.5.2
Oil filter replacement	-	100 hours/6 months	9.5.3
Air filter cleaning	-	50 hours/3 months	9.11.1 *
Paper air filter replacement	-	200 hours/12 months	9.11.1 *
Check/adjust spark plugs	-	100 hours/6 months	9.11.2
Replace the spark plug	-	200 hours/12 months	9.11.2
Air vent cleaning	-	200 hours/12 months	9.11.3
Check/replace fuel filter	-	200 hours/12 months	9.6 **
* Clean more frequently in particularly harsh working conditions or if there is debris in the air.			
** The operation must be carried out by your Dealer or an authorised Service Centre			
*** Change the oil every 25 hours if the engine is running at full load or in high temperatures			

14 TROUBLESHOOTING

Problem	Probable cause	Solution
1. Starter motor does not run.	Insufficiently charged battery.	Charge the battery.
	Badly connected battery.	Check connections
	20A fuse blown	Replace the fuse
2. The starter motor runs but the engine does not start With the ignition key in the start position, starter motor runs but the engine does not start.	Fuel stopcock closed.	Open the fuel stopcock.
	Faulty fuel supply.	- Check the level in the tank. - Check the fuel filter.
	Faulty ignition.	- Check that spark plug cap is securely fitted. - Check that the electrodes are clean and have the correct gap.
3. Starting is difficult or the engine runs erratically.	Carburetion problems.	Clean or replace the air filter.
4. Weak engine performance during cutting.	Forward speed too high in relation to cutting height.	Reduce the forward speed and/or raise the cutting height.
5. The engine stops, without any warning sound.	- No fuel. - Try to restart the engine.	Fill up with fuel (if the problem persists, contact an authorised service centre).

Problem	Probable cause	Solution
6. Uneven cut.		Check tyre pressure.
	The cutting device is dull.	Contact an authorised service centre.
	Forward speed too high compared to height of grass.	Reduce the forward speed and/or raise the cutting height.
	Cutting device assembly is full of grass.	- Wait for the grass to dry. - Clean the cutting device assembly
7. Abnormal vibrations during use.	- The cutting devices are unbalanced.	Contact an authorised service centre for checks, replacements or repairs.
	- The cutting devices are loose.	
	- Loose parts.	
	- potential damages.	
8. With the engine running, the machine does not move when the drive pedal is pressed.	"Gear disengagement" lever in disengaged position.	Put into gear.
If one of the problems listed below occurs, replace the pertinent fuse.		
9. No electric function works. The battery is charged.	20A fuse faulty.	Replace the 20A fuse.

If problems persist after having performed the above operations, contact your dealer.



Warning! Do not take on complicated repair work without the necessary equipment and technical knowledge. The guarantee is automatically revoked and the manufacturer declines all responsibility for any poorly effected repairs.