

CORDLESS LAWN MOWER

Villager Villy 2020 E

Original instruction manual



Villager®

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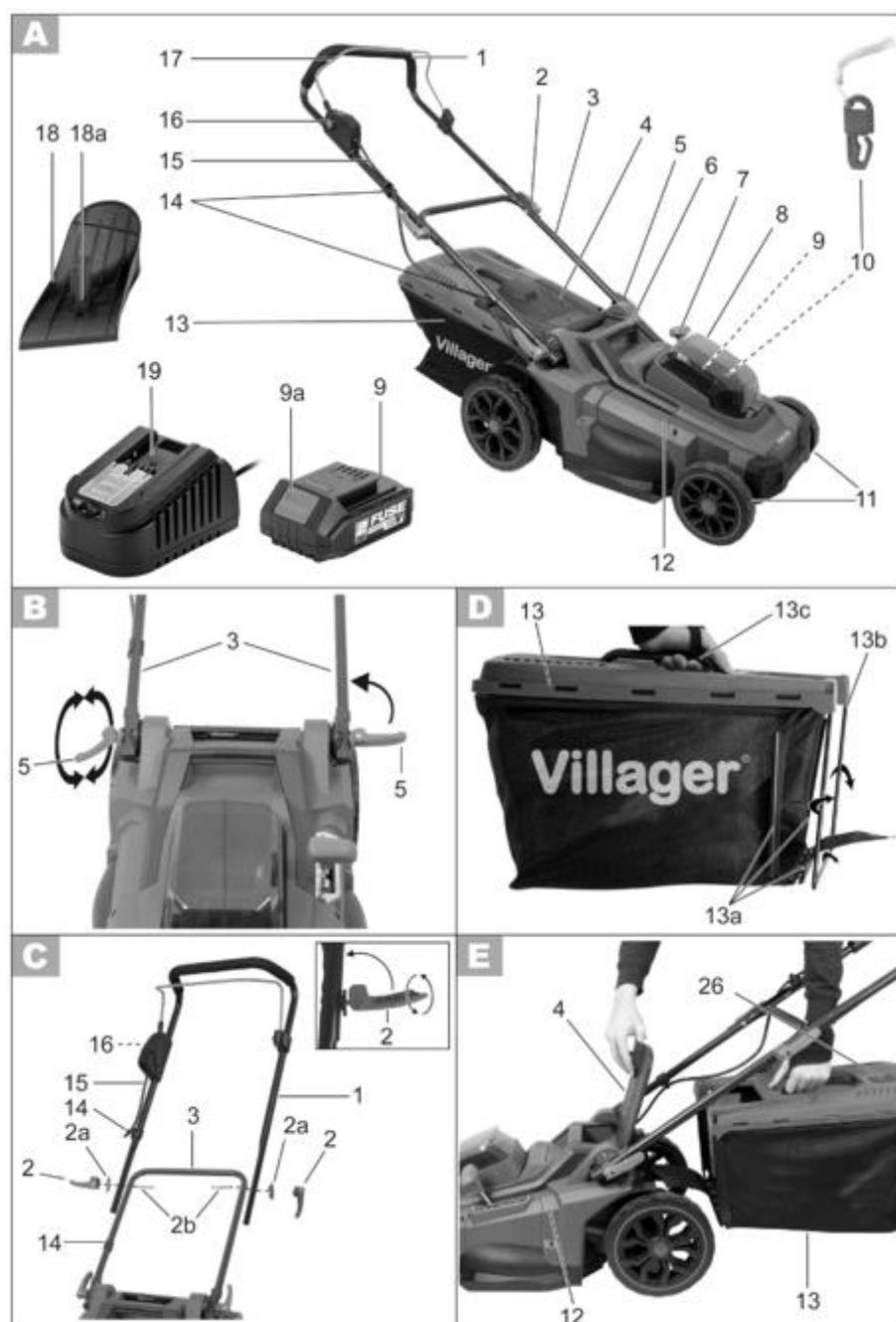
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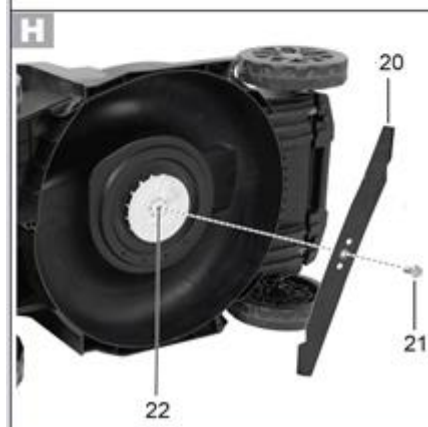
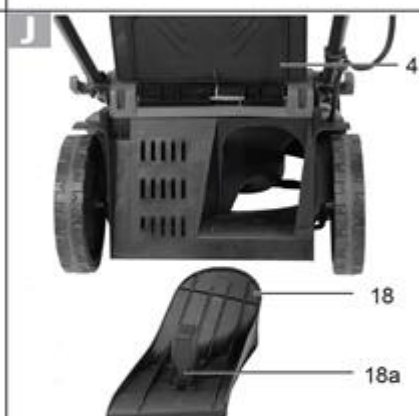
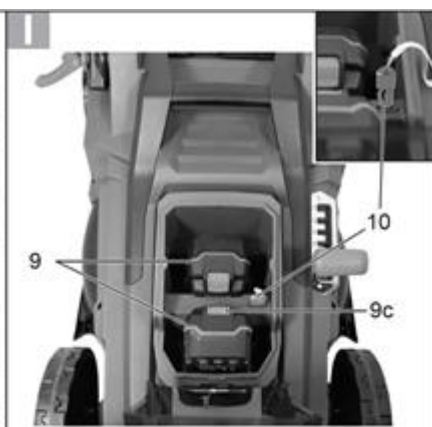
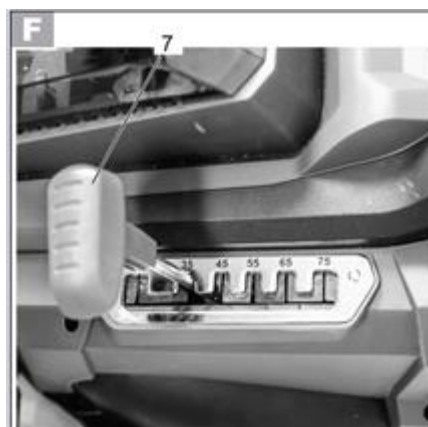
web: www.villager.eu



Before reading, unfold the page containing the illustrations and familiarise yourself with all functions of the device.

We reserve the right to change the technical characteristics, the right to possible typographical errors without prior notice. Product images may be different than actual device





INTRODUCTION

During production, this equipment has been checked for quality and subjected to a final inspection.

The functionality of your equipment is therefore guaranteed.

The operating instructions constitute part of this product. They contain important information on safety, use and disposal.



Before using the product, familiarise yourself with all of the operating and safety instructions. Use the product only as described and for the applications specified.

Keep this manual safely and in the event that the product is passed on, hand over all documents to the third party.

INTENDED PURPOSE

This device is intended only for cutting lawns and grassed areas in residential applications.

The device is intended to be used by do-it-yourselfers. It was not designed for heavy commercial use.

Any other use that is not expressly permitted in these instructions may result in damage to the device and pose a serious hazard to the user. The device is intended for use by adults. Children and people who are not familiar with these operating instructions may not use the device. The use of the device in the rain or a damp environment is prohibited.

The manufacturer is not liable for damage caused by improper use or incorrect operation.

FUNCTION DESCRIPTION

The cordless lawnmower has a cutting tool, which turns parallel to the cutting level. It is equipped with a high performance electric motor, robust plastic housing, collision guard, and grass box. Additionally, the equipment is height adjustable to five levels and has smooth-running wheels. For the function of the operating parts, please refer to the descriptions below.

A

- 1 Upper bar
- 2 Tightening levers for fastening the upper bar
- 3 Lower bar
- 4 Impact protection
- 5 Tightening levers for fastening the lower bar
- 6 Carrying handle
- 7 Lever for cutting height adjustment
- 8 Cover
- 9 Rechargeable batteries
- 9a Release button on rechargeable battery
- 10 Ignition key
- 11 Wheels
- 12 Appliance housing
- 13 Grass collection box
- 14 Cable holder
- 15 Machine cable
- 16 Release button
- 17 Start handle
- 18 Mulch kit
- 19 Charger

D

- 13a Plastic tabs
- 13b Grass collection box rods
- 13c Handle for grass collection box


J

- 18a Bracket on mulch kit

H

- 20 Blade
- 21 Blade bolt
- 22 Motor spindle

TECHNICAL SPECIFICATIONS

Motor voltage		18V 
Idle speed		2900 min ⁻¹
Cutting circle		330 mm
Cut height		25/35/45/55/65/75 mm
Protection class		III
Protection type		IPX1
Weight (without battery and charger)		10 kg
Grass collection box volume		30 l
Battery types		Villager 18 V / 1.5 Ah Villager 18 V / 2 Ah Villager 18 V / 3 Ah Villager 18 V / 4 Ah
Charger types		Villager 18 V 1.65 A Villager 18 V 2.4 A Villager 18 V 2x3.5 A Villager 18 V 4.0 A
Sound pressure level L _{pA}		68,1 dB(A); K _{pA} =3 dB(A)
Sound power level L _{WA}	measured	80,5 dB(A); K _{WA} =2,25 dB(A)
	guaranteed	83 dB(A)
Vibration a _h		1,41 m/s ² ; K=1,5 m/s ²

Noise and vibration values have been determined according to the standards and regulations mentioned in the declaration of conformity.

The stated vibration emission value was measured in accordance with a standard testing procedure and may be used to compare one power tool to another.

The stated vibration emission value may also be used for a preliminary exposure assessment.



Warning: The vibration emission value may differ during actual use of the power tool from the stated value depending on the manner in which the power tool is used.

Try to keep the exposure to vibrations as low as possible. Examples of measures to reduce vibration exposure are the wearing of gloves when using the tool and limiting the working hours. For this purpose all parts of the operating cycle have to be considered (for example, times when the electric tool is switched off and times when it is switched on but running without any load).

SYMBOLS



Caution!



Read the operating instructions carefully.



Wear eye protection.



Wear sturdy, non-slip footwear.



Risk of injury from parts being thrown up.



Keep nearby people away from the appliance.



Caution - sharp cutting blade.
Keep feet and hands away. Risk of injury!



Caution! The lawnmower blade continues to run after switching off.



Switch off the motor and remove the ignition key before carrying out adjustments or cleaning work.



Do not expose the unit to rain.



Noise level specification L_{WA} u dB.



Do not dispose of electrical equipment in domestic waste.



Approved in accordance with the relevant directives



Filling level indicator on the grass collection box



Filling level indicator open:
Grass box empty.



Filling level indicator closed:
Grass box full.

Symbols in the manual



Warning symbols with information on damage and injury prevention.



Instruction symbols (the instruction is explained at the place of the exclamation mark) with information on preventing damage.



Help symbols with information on improving tool handling.



Read the operating instructions carefully.



Wear protective gloves.

Safety information

This section describes the basic safety rules when working with the device.

General notes on safety



This equipment may cause serious injury in the case of improper use. In order to avoid injury to people and damage to property, the following safety information must be observed and users must familiarise themselves with all operating parts.

Preparation

- Never allow children or other people who are unfamiliar with the operating instructions to use the device. Local regulations may specify the minimum age of the operator.

- This machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the machine by a person responsible for their safety. Children should be supervised to ensure that they do not play with the machine.
- The device must never be used if people - especially children - or pets are nearby. Children must never play with the device.
- The operator or user is responsible for any accidents or personal injury and/or material damage to third parties or their property.
- Check the terrain on which the device will be used and remove any stones, sticks, wires or other foreign objects which may be drawn into the device and ejected.
- Wear suitable work clothing, such as solid shoes with nonslip soles as well as long, robust trousers. Never use the device barefooted or wearing open sandals. Avoid wearing loose clothing with hanging laces or belts.
- Always perform a visual inspection of the device before using it. Do not use the device if its safety equipment (e.g. impact protection or grass collection ox), parts of the cutting unit or bolts are missing, worn or damaged. Damaged tools and bolts must only be replaced as a set to prevent imbalance).
- Only use spare parts and accessories which are supplied and recommended by the manufacturer. Using externally produced parts results in the immediate loss of the warranty claim.
- Worn or damaged information signs must be replaced.

Working with the Equipment



Do not place feet or hands near or under rotating parts when working.
Risk of injury!

- Switch the motor on as directed and only if your feet are a safe distance away from the cutting tools.
- Do not use the device in the rain, poor weather, damp environments or on wet lawn.
- Only work in daylight or where there is sufficient illumination.
- If you are tired or lacking in concentration or have consumed alcohol or tablets, do not work with the device. Always have a break on time. Work using common sense.
- Always ensure secure positioning, particularly on slopes, when working. Always move crosswise across slopes, never up or down. Take special care when changing the direction of travel on slopes. Do not work on overly steep slopes.

- Only operate the device at walking speed. Take special care when turning the device around, pulling it towards you or going backwards.
- Turn the device on with care in accordance with these operating instructions. Ensure your feet are at a sufficient distance from the rotating blades.
- Do not tilt the device when starting it up, unless this is required when starting up in long grass. In such an event, tilt the device by pushing down on the grip handle in such a way that the front wheels of the device raise slightly. Always check that both hands are in the working position before placing the device again on the ground.
- Never work without the grass collection box or impact protection. Always keep away from the ejector opening.
- Do not start the motor when standing in front of the discharge chute.



Caution! Danger! The blade continues to run after switching off. There is a risk of injury.

- The device must not be lifted or transported while the motor is running. Turn the device off if it needs to be tilted for transport, if surfaces other than lawn need to be traversed, and while the device is being brought to and from the mowing terrain.
- Always keep the grass ejector opening clean and free of debris. Only remove cut material when the device is at a standstill.
- Never leave the device unattended at the workplace.
- Do not work with a damaged or incomplete device or one which has been converted without the permission of the manufacturer. Never use the device if the protection equipment or shielding are damaged, or if the safety equipment (deflector and/or grass collection equipment) is missing.
- Do not overload your device. Only work within the power range indicated and do not modify the controller settings on the motor. Do not use low-performance machines for heavy work. Do not use the device for purposes for which it is not intended.
- Do not use the appliance near flammable liquids or gases. There is a risk of fire or explosion if this advice is not heeded.
- Switch the device off, remove the safety key and take out the battery. Make sure that all movable parts are stationary:
 - Whenever you leave the apparatus unattended and when it is not being used.
 - Before removing obstructions or loosening blockages from the discharge chute.
 - Before checking or cleaning the apparatus or performing any work on it.

- If a foreign object has been hit by the device. Check for damage to the apparatus and carry out the necessary repairs before switching it on again and working with it.
- If the apparatus starts to vibrate excessively, an immediate check is required.
- Make sure that all nuts, bolts and screws are properly tightened.
- Inspect the apparatus for any damage.
- Have any necessary repairs carried out on damaged parts.
- Do not bring your feet or hands into the vicinity of rotating parts (or beneath them). Never stand in front of the grass ejector opening.
- Always pull the circuit breaker/ ignition key if:
 - You leave the apparatus unattended, before clearing blockages.
 - If you are examining, cleaning or working on the apparatus.
 - After a collision with a foreign object. Immediately examine the device for damage and, if necessary, have it repaired.
 - If the apparatus starts to vibrate in an unusual way (check immediately).

Maintenance and Storage

- Give the motor time to cool off before you store the device in an enclosed space.
- Take care when using devices with several cutting tools since the movement of one blade can lead to rotation of the other blades.
- During maintenance of the cutting blades, be aware of the fact that even if the power supply is switched off, the cutting blades can be set into motion.
- Make sure that all nuts, bolts and screws are properly tightened, and that the device is in safe working order.
- Do not try to repair the device by yourself unless you have professional training. All work not specified in these operating instructions may only be carried out by customer service centres authorised by us.
- Store the device in a dry place and out of reach of children.
- Handle your device with care. Keep the tools sharpened and clean in order to be able to work better and safer. Follow the maintenance instructions.
- Wear safety gloves when replacing the cutting equipment.
- Check the grass collection unit regularly for wear and tear and deformation. Replace worn or damaged parts in the interests of safety. When setting up the blades, take care that your fingers do not become caught between the rotating blades and stationary parts of the machine.
- Ensure that only replacement cutting tools approved by the manufacturer are used.

Electrical Safety

- The plug of the charger must fit into the socket. The plug must not be modified in any way. Do not use any adapter plugs together with electric tools that have a protective earth. Unmodified plugs and matching sockets reduce the risk of electric shock.
- Avoid body contact with earthed surfaces such as pipes, radiators, cookers and refrigerators. There is an increased risk of electric shock if your body is earthed.
- Do not expose electric tools to rain or wet conditions. The penetration of water into an electric tool increases the risk of electric shock.



Attention! Observe the safety information in the operating instructions for your rechargeable battery.

Assembly

- Only carry out work that you know you are capable of.
- If in doubt, consult an expert or our service centre directly.

B

Mounting the lower bar

1. Fold the lower bar (3) upwards.
2. Turn the lower tightening levers (5) clockwise to fasten.
3. Lock the tightening levers (5) by pressing them in the direction of the lower bar (3). The tightening levers must be pulled tight and then positioned against the bar so that tightening can be carried out with medium force. If this fails, continue to turn the tightening lever clockwise, or loosen it by turning counter clockwise.

C

Mounting the upper bar

1. Fasten the upper bar (1) with the enclosed screws (2b), the washers (2a) and the upper tightening levers (2) on the right and left of the lower bar (3). The release button (16) must be located on the right in the mowing direction. Two positions are possible.
2. Turn the tightening levers (2) clockwise to fasten.
3. Lock the tightening levers (2) by pressing them in the direction of the bar (3). The tightening levers must rest against the bar in such a way that tightening can be carried out with medium force. If this fails, continue to turn the tightening lever clockwise, or loosen it by turning counter clockwise (see small illustration).



Release the tightening levers (2+5) and fold the upper bar (1) and the lower bar (3) together so that the device takes up less space. Make sure not to pinch the machine cables while doing this.

D

Mounting the grass collection box

1. Clip the handle (13c) of the grass collection box (13) into the upper side of the grass collection box (13).
2. Place the plastic tabs (13a) of the grass collection box (13) over the grass collection box rods (13b).

J

Mulch kit

Attaching the mulch kit

1. Remove the grass collection box, if used.
2. Lift the impact protection.
3. Slide the mulch kit (18) into place. The bracket (18a) snaps into place.

Removing the mulch kit

4. Push in the bracket (18a) on the mulch kit and remove the mulch kit (18).

Operation



The device must only be adjusted when the motor is switched off and the blade is stationary. There is a risk of personal injury.



Switch off the apparatus, remove the ignition key (**A** 10) and wait for the blades to come to a standstill

E

Mounting/removing the grass collection box

1. To mount the grass collection box (13), lift the impact protection (4) and suspend the grass collection box (13) from both receptors.
2. Fold the impact protection (4) over the grass collection box (13). This will hold the grass collection box in the correct position.
3. To remove the grass collection box (13), lift the impact protection (4) and remove the grass collection box (13). Fold the impact protection (4) back over the device housing (12).



Work may not be carried out using the device without the impact protection or grass collection box. There is a risk of injury.

Filling level indicator

There is a filling level indicator (**E** 26) on the side of the grass collection box (**E** 13).



Filling level indicator open:
Grass collection box empty.



Filling level indicator closed:
Grass collection box filled.

F

Setting the cutting height

The apparatus has 5 positions for adjusting the cutting height:

35 mm/25 mm - low cutting height

55 mm/45mm - medium cutting height

75 mm/65 mm - large cutting height

1. Hold the carrying handle (**A** 6) and lift the device or push the device down.
2. Grip the lever (7) for adjusting the cutting height and move it past the ratchet mechanism to the desired cutting height.

The correct cutting height is between 25 and 45 mm for an ornamental lawn and about 45 - 65 mm for a utility lawn.



A high cutting height should be selected for the first mowing of the season.

Inserting/removing the rechargeable battery



Switch off the apparatus, remove the ignition key (A 10) and wait for the blades to come to a standstill.

1. To remove the battery (9) from the device, press the release button (9a) on the battery and pull the battery out.
2. To insert the battery (9), push the battery along the guide rail into the device. You will hear it click into place.

Switching on and off



The cordless lawnmower may only be used with Villager 18V batteries. Never use non-reachable batteries.

- Batteries can leak if they are not handled or used properly. Do not touch fluid leaking from a battery.
- If you get battery fluid on your skin, rinse immediately in plenty of fresh water. If you get battery fluid in your eyes, rinse immediately with plenty of water and seek medical attention. Leaking battery fluid can cause skin irritation or burn injuries.
- Never attempt to open the battery - risk of short circuiting.



1. Place the apparatus on a level surface.
2. Lift the cover (A 8) on the device housing and insert the charged batteries (9) along the guides into the device. You will hear them click into place .
3. Insert the ignition key (10) in the corresponding opening next to the rechargeable battery (9). The ignition key can only be inserted in one position. Take note of the guide groove on the opening next to the battery and on the ignition key (10) (see small image I).
4. Before switching the apparatus on, make sure that it is not touching any objects.



5. To switch the apparatus on, press the release button (16) and hold it down while pressing the starting lever (17). Let go of the release button.



6. To switch the apparatus off, let go of the starting lever (17).



Due to the intelligent energy management system, the motor starts after a delay.



After switching off the equipment, the blade continues to turn for several seconds. Do not touch the moving blade. There is a risk of injury.

Working with the device



Observe noise protection rules and other local regulations.

Regular mowing stimulates the grass to an increased leaf formation, while at the same time killing weeds. Therefore, the lawn becomes denser after each mowing process, resulting in an evenly loadable lawn.

The first cut takes place roughly in April when the grass is about 70 - 80 mm high. During the main growing season, the lawn is mowed at least once a week.

- Move the device at walking speed and in lines which should be as straight as possible. For a flawless mowing result, the lines should always overlap by a few centimetres.
- Adjust the cutting height so that the device is not overloaded. If this not done, the motor may become damaged.
- Always move across slopes crosswise. Take special care when going backwards and pulling the device.
- Clean the device after each use, as described in the section "Cleaning/ storage".



After switching off the equipment, the blade continues to turn for several seconds. Do not touch the moving blade. There is a risk of injury.

Cleaning/maintenance



Have any work that is not described in these operating instructions performed by an authorised customer service centre. Only use original parts.



Wear gloves when handling the blade.



Switch off the apparatus, remove the ignition key (**A** 10) and wait for the blades to come to a standstill.

General cleaning and maintenance work



Never spray down the device with water. There is a risk of electric shock.

- Always keep the device clean. Use a brush or cloth for cleaning, but do not use any cleaning agents or solvents.
- After mowing, remove any plant remains that have become stuck to the wheels, ventilation opening, ejector opening and blade area using a piece of wood or plastic. Do not use any hard or sharp objects as these could damage the device.
- Check the device before each use for obvious defects such as loose, worn or damaged parts. Ensure that all nuts, bolts and screws are firmly in place.
- Check the covers and protective devices for damage and correct fit. Replace these if necessary.



Replacing blades

If the blade is blunt, it can be re-sharpened by a specialist company. If the blade is damaged or unbalanced, it must be replaced.

1. Turn the machine over.
2. Use firm gloves and keep hold of the blade (20). Use a spanner to turn the blade bolt (21) counter-clockwise from the motor spindle (22).
3. Reassemble the new blade (20) in reverse order. Make sure that the blade (20) is positioned correctly (see illustration **H**) and that the blade bolt (21) is tightened.



Storage

Release the tightening levers (2+5) and fold the upper bar (1) and the lower bar (3) together so that the device takes up less space. Make sure not to pinch the machine cables while doing this.

- Store the device in a dry place out of reach of children.
- Give the motor time to cool off before you store the device in an enclosed space.

- Remove the rechargeable battery before storing the device for a long period of time (e.g. winter storage).

We are not liable for damage caused by our devices if this is caused by improper repair, the use of non-original parts or incorrect use.

Disposal and environmental protection



Take out the battery from the device and dispose of the battery, device, accessories and packaging material in dedicated locations where they will be treated and recycled in accordance with environmental protection standards. The device is not a community waste.



Do not dispose of batteries together with other community waste and do not throw them into fire (danger of explosion) or water. The batteries may harm the environment and human health - in case of leakage of hazardous liquids or vapors.

Trouble Shooting

Problem	Possible Cause	Fault Fixing
Appliance doesn't start	Rechargeable battery (A 9) discharged.	Check the charge status, charge rechargeable battery (observe the separate operating instructions for the battery and charger).
	Rechargeable battery (A 9) not inserted.	Insert rechargeable battery (observe the separate operating instructions for the battery and charger).
	Defective release button (A 16) or start lever (A 17)	Repair by customer services.
	Worn carbon brushes.	
	Defective motor.	
	Grass too long.	Set a greater cut height. Lift the front wheels slightly by pressing down on the bow-type handle (A 1).
Motor stops	Blockage by foreign object.	Remove the foreign object.
Result unsatisfactory or motor labours	Cut height too low.	Set a higher cut height.
	Blade (H 20) blunt.	Have the blade sharpened or replace it.
	Blade area blocked.	Clean the equipment.
	Blade (H 20) assembled incorrectly.	Install the blade correctly.
Blade fails to turn	Blade (H 20) blocked by grass.	Remove the grass .
	Blade screw (H 21) loose.	Tighten the blade screw.
Strange noises, rattling or vibrations	Blade screw (H 21) loose.	Tighten the blade screw.
	Blade (H 20) damaged.	Replace the blade.

DECLARATION OF CONFORMITY

According to the EC Machinery Directive 2006/42/EC of 17 May 2006, Annex II A

Villager®**Villager d.o.o.****Kajuhova 32 P, 1000 Ljubljana, SLO**

Description of the machinery: **CORDLESS LAWN MOWER Villager Villy 2020 E**

We declare under full responsibility that the below mentioned product is designed and manufactured in accordance with:

- Directive 2006/42/EC on safety of machinery
- Directive 2014/30/EU on electromagnetic compatibility
- Directive 2000/14/EC, 2005/88/EC on noise emission
- Directive 2011/65/EU, (EU) 2015/863 on the restriction of use of certain hazardous substances in electrical and electronic equipment (RoHS)

The harmonized and other standards:

EN 55014-1:2017

EN 55014-2:2015

EN 60335-1:2012/A13:2017

EN 60335-2-77:2010

EN 62233:2008

*The notified body accordance with **Directive 2000/14/EC, 2005/88/EC***

TÜV Product Service test report. 70.403.19.092.26 Rev. 01 dat. 16.09.2019.

The measured sound power level L_{WA} 80,5 dB(A)

The guaranteed sound power level L_{WA} 83 dB(A)

The responsible person authorized to compile the technical documentation: Zvonko Gavrilov, at the company Villager D.O.O, Kajuhova 32 P, 1000 Ljubljana

Place / date: Ljubljana, 20.10.2019.

The person authorized to make a statement on behalf of the manufacturer

Zvonko Gavrilov

