



User Manual



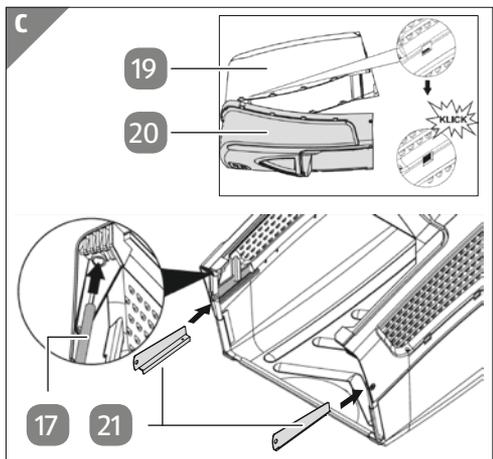
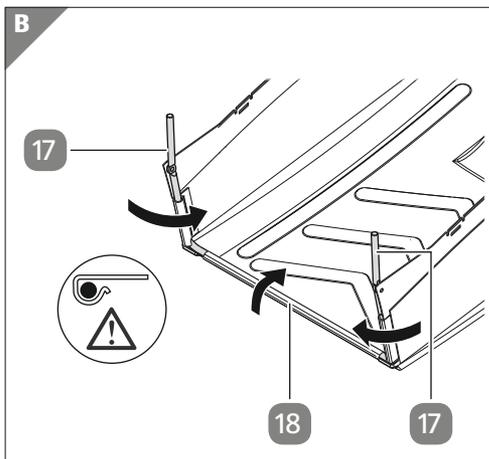
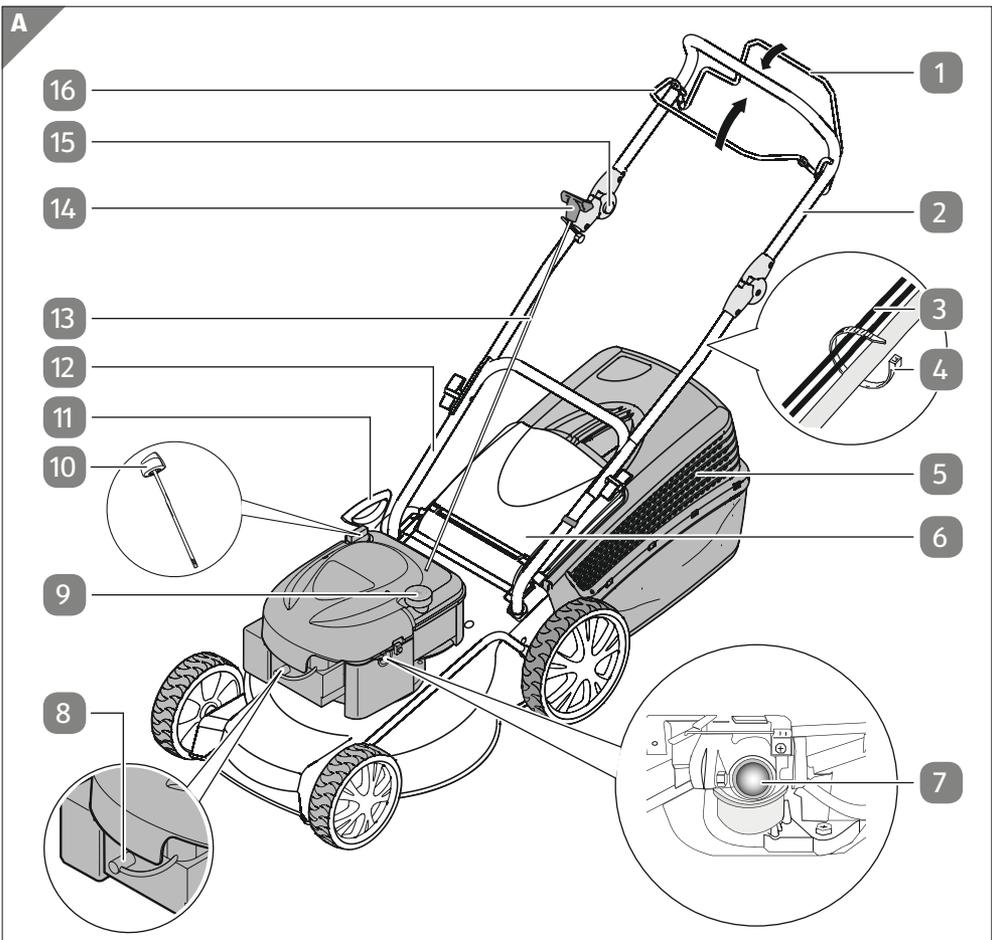
PETROL LAWN MOWER GL 46

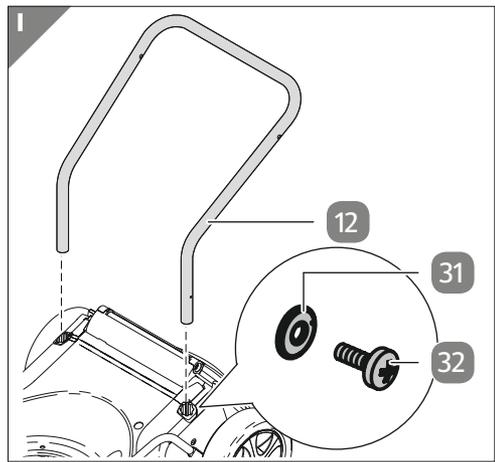
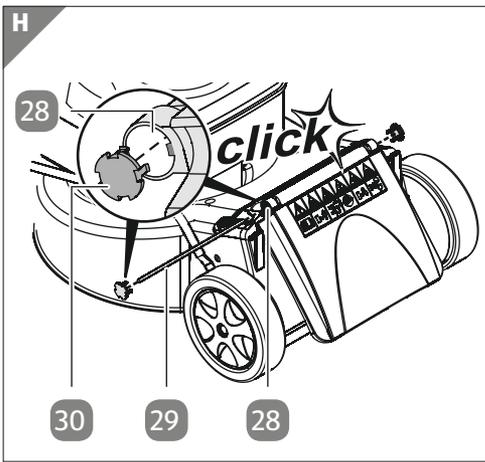
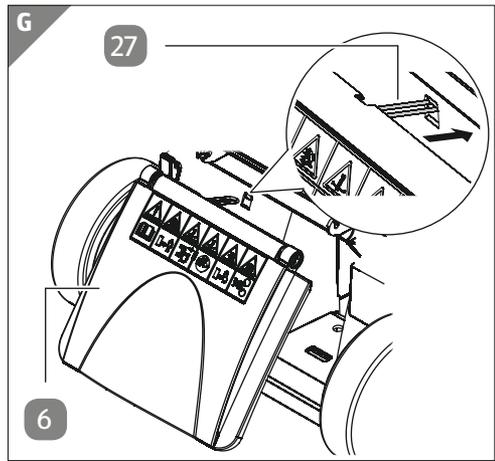
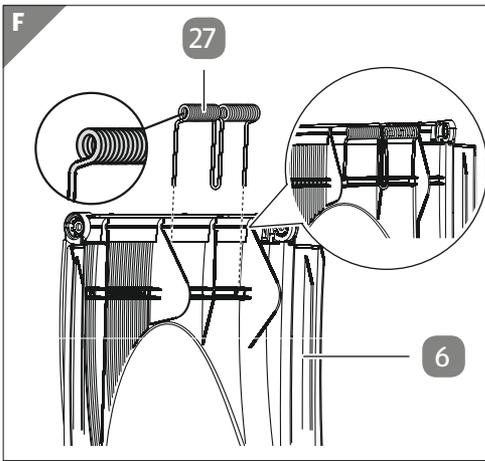
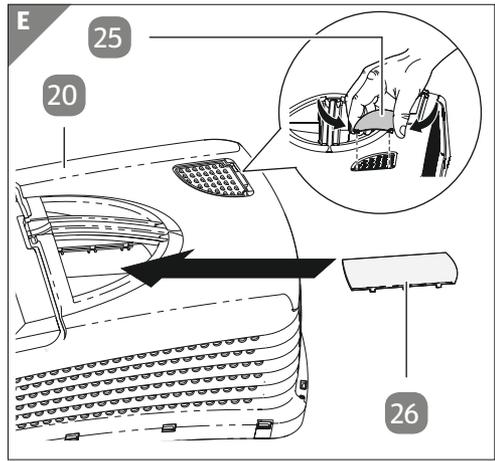
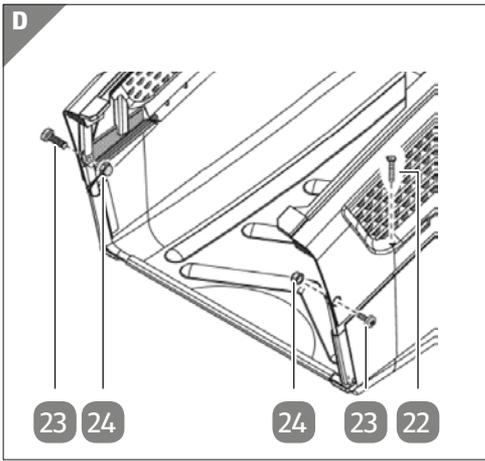


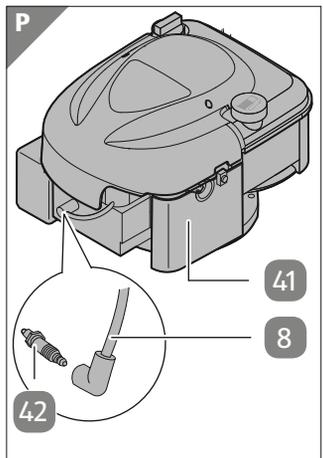
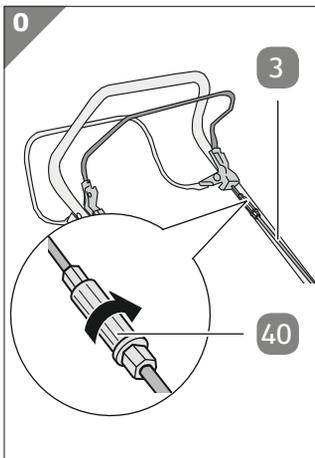
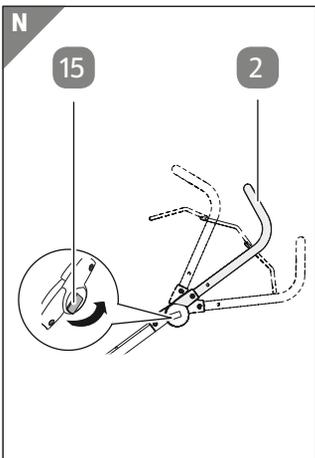
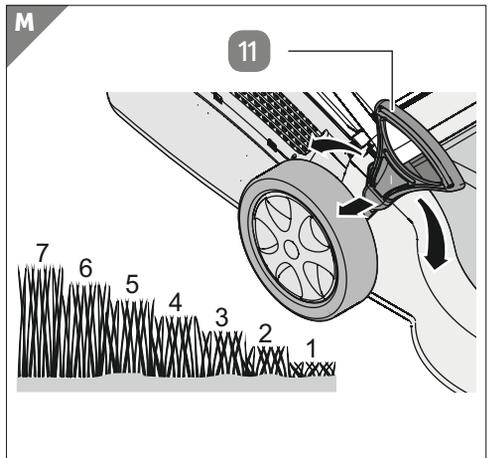
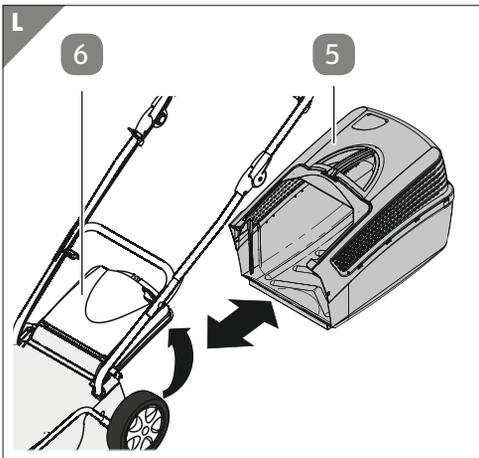
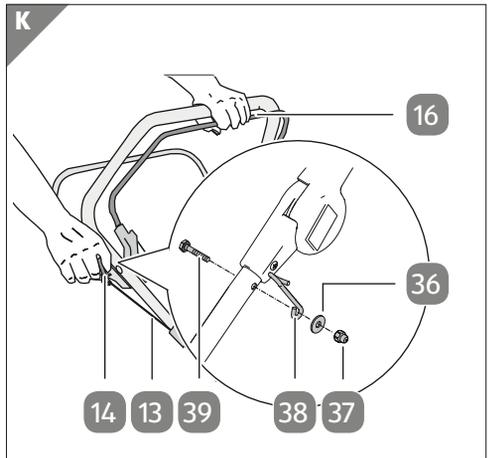
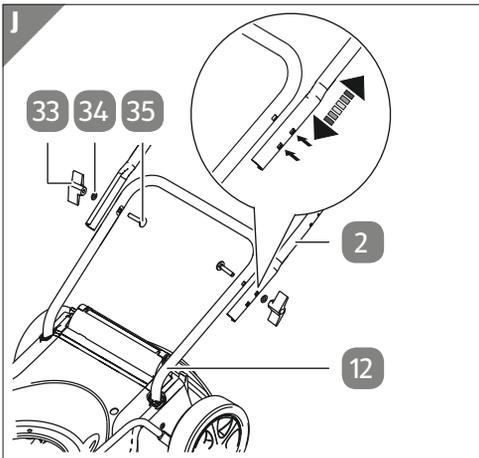
Original instructions

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Package contents/parts list

- 1 Gear selector arm (wheel drive)
- 2 Upper handle
- 3 Bowden cable
- 4 Cable tie, 2x
- 5 Grass catcher bag
- 6 Flap
- 7 Primer bulb (fuel pump)
- 8 Ignition cable
- 9 Petrol tank cap (fuel tank) 
- 10 Oil tank cap with oil dipstick 
- 11 Lever for setting cutting height
- 12 Lower handle
- 13 Starter cord (pull starter)
- 14 Pull starter
- 15 Clamping lever (handle adjustment), 2x
- 16 Bail control arm
- 17 Metal bracket (Grass catcher bag)
- 18 Mounting bracket (bottom part of grass catcher bag)
- 19 Bottom part of grass catcher bag
- 20 Top part of grass catcher bag (with handle)
- 21 Support plate (grass catcher bag), 2x
- 22 \varnothing 3x25 mm screw, 2x
- 23 M5x16 mm screw, 2x
- 24 M5 domed cap nut, 2x
- 25 Fill level indicator
- 26 Handle cover (top part of grass catcher bag)
- 27 Leg spring (flap)
- 28 Flap opening
- 29 Rod (flap)
- 30 Plug (flap), 2x
- 31 \varnothing 5.5/14.5 mm washer
- 32 \varnothing 5 x 19 mm screw, 2x
- 33 Wing nuts, 2x
- 34 \varnothing 8.5/15.5 mm washer, 2x
- 35 M8x45 mm screw, 2x
- 36 \varnothing 6.4/18 mm washer
- 37 M6 domed cap nut
- 38 Pull starter bracket
- 39 M8x45 mm screw
- 40 Adjuster (Bowden cable)
- 41 Filter cover
- 42 Spark plug

General information

Read and keep the user manual



This user manual accompanies this Petrol Lawn Mower GL 46 (hereinafter referred to simply as 'lawn mower'). It contains important information on safety, usage and care.

Read this user manual carefully before using the lawn mower.

Pay particular attention to the safety notes and warnings. Failure to heed the instructions in this user manual may result in severe injury or damage to the lawn mower.

Comply with valid local or national provisions concerning the use of this product.

Keep this user manual in a safe place for future reference. If you pass the lawn mower on to third parties, please be absolutely sure to include this user manual.

This user manual can be downloaded as a PDF from our homepage:

www.al-ko.com/service-aldi.

Explanation of symbols

The following symbols and signal words are used in this user manual, on the lawn mower or on the packaging.



Indicates a hazardous situation that, if not avoided, could result in death or serious injury.



Indicates a hazardous situation that, if not avoided, could result in death or serious injury.



Warns against potential damages to property.



This symbol provides you with useful supplementary information on assembly or operation.



Declaration of conformity (see chapter 'Declaration of conformity'): Products marked with this symbol meet all applicable Community regulations for the European Economic Area.



The certified safety seal (GS symbol) certifies: The lawn mower complies with the German Product Safety Act (ProdSG) and is safe if used properly and as intended.

General information



Dimensions: 1450 × 530 × 1080 mm



The lawn mower weighs approx. 30.8 kg.



The cutting width is approx. 46 mm.



You can adjust the cutting height for a lawn length of approx. 3–8 cm.



The grass catcher bag can hold up to 65 l.



The lawn mower motor has a power output of 2.2 kW/2900 min⁻¹.



Handle vibration value: $a_{vhw} = 3.5 \text{ m/s}^2$

$K = 1.5 \text{ m/s}^2$

ISO 5395-1:2013



Guaranteed sound pressure level: $L_{pA} = 82 \text{ dB (A)}$

$K = 3 \text{ dB (A)}$

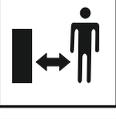
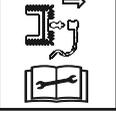
ISO 5395-1:2013, Appendix F ISO 11201



Guaranteed sound power level: $L_{WA} = 96 \text{ dB (A)}$

ISO 5395-1:2013, Appendix F / ISO 3744

Symbols on the lawn mower

Symbol	Meaning	Attachment point
	WARNING! Be particularly careful when handling the lawn mower.	Flap
	First read and understand the user manual!	Flap
	The cutting blade is very sharp – keep your hands and feet away from the cutting blade!	Flap
		
	Risk posed by discharged objects when the motor is on! Keep people away!	Flap
	Keep a safe distance	Flap
	Remove the spark plug before carrying out maintenance work, etc.	Flap
	Quick start guide: Starting the motor.	Upper handle
	Quick start guide: Starting/Stopping the wheel drive.	Upper handle

Safety

Proper use

The lawn mower is designed exclusively for mowing lawns in domestic gardens and allotment gardens. It is only intended for private use and is not suitable for commercial use.

Any other application is expressly prohibited and deemed improper use.

Neither the manufacturer nor the retailer can accept responsibility of any kind for injury, loss or damage caused by misuse of this product. Examples of misuse are given in the following non-exhaustive list:

- Using the lawn mower for other than the intended purposes;
- Failure to observe the safety notes and warnings as well as the assembly, operating, maintenance and cleaning instructions contained in this user manual;
- Non-observance of any specific and/or general applicable health, safety and accident prevention regulations concerning the use of this lawn mower.
- Use of accessories and spare parts not intended for the lawn mower;
- Changes to the lawn mower;
- Lawn mower repairs performed by parties other than the manufacturer or a qualified professional;
- Use of the lawn mower for commercial, trade or industrial applications;
- Operation or maintenance of the lawn mower performed by persons who do not know how to use the lawn mower and have not been warned of possible risks of use.

Residual risks

Despite proper use, inconspicuous residual risks cannot be completely ruled out.

The following risks may arise due to the nature of the lawn mower:

- Touching the cutting blade (cutting injury);
- Discharging of objects (e.g. stones).

Safety and maintenance guidelines

The following safety and maintenance guidelines apply to the lawn mower.

Never operate the lawn mower if safety and protective equipment is damaged or missing.

- Bail control arm:
The lawn mower is equipped with a bail control arm that stops the lawn mower when released.
- Flap:
The lawn mower is equipped with a flap that prevents grass and other objects from being discharged when the grass catcher bag is removed.

Safety notices



Risk of explosion, fire and damage to health!

Improper handling of petrol or oil may lead to an explosion or a fire and can thereby damage your health through improper use.

- Petrol is highly flammable. Keep the lawn mower away from open flames and do not smoke when adding fuel.
- Switch off the motor and let the lawn mower cool down before filling the petrol tank or oil tank. Overflowing fuel may otherwise catch fire.
- Only refill the lawn mower in well-ventilated areas. Petrol fumes can catch fire or explode when they accumulate.
- Avoid skin and eye contact with motor oil and fuel. Do not inhale the petrol fumes.
- Make sure petrol does not seep into the ground. Use a suitable underlay to protect the ground.
- After you have filled the tank, firmly close the lawn mower's fuel tank cap and reserve tank cap to prevent fuel from leaking. Clean up any fuel spills and move the lawn mower at least 9 metres away from where you filled it up before starting the lawn mower in order to prevent fuel spills from being ignited by the engine exhaust.
- Do not store the lawn mower inside a building with petrol in the tank where petrol fumes may come into contact with open flames or sparks and catch fire.
- Allow the motor to cool before leaving the lawn mower in enclosed spaces.
- Keep the motor, muffler and tank free of grass, leaves and excessive grease to prevent the risk of fire.



Danger for children and persons with impaired physical, sensory or mental capacities (e.g. partially disabled persons, older persons with reduced physical and mental capacities) or lack of experience and knowledge (e.g. older children).

- The lawn mower may not be used by children and persons with impaired physical, sensory or mental capacities or a lack of experience and knowledge.
- Do not allow children to play with the lawn mower.
- Cleaning and user maintenance must not be carried out by children.
- Never allow children or other persons who are not familiar with the user manual to use the lawn mower. Local regulations may restrict the permissible age of the operator.
- Do not allow children to play with the plastic wrappings. They can become caught up in it when playing and suffocate.



Risk of injury and damage!

Insufficiently informed users may endanger themselves, others and property by improperly using the lawn mower.

- The lawn mower must not be operated by children under the age of 16 and persons who do not know how to operate the lawn mower and/or who have not read this user manual. Please observe country-specific safety regulations for the minimum age of the operator.
- Familiarise yourself with the controls and how to properly use the lawn mower.
- Remember that the operator/operating person is responsible for accidents with other persons or their property.
- Stay alert and use common sense when operating the lawn mower. Do not use the lawn mower if you are tired or under the influence of drugs, alcohol or medication. A single moment of inattentiveness when using the lawn mower can result in serious injury.

- Please observe the information supplied on the sound and vibration caused by this lawn mower (see chapter 'Noise/vibration information').
- Please also observe the separate user manual for the motor.



Risk of injury!

Improper use, improper maintenance or improper work with the lawn mower may result in dangerous situations and injury.

- Never mow while people, especially children or animals, are nearby.
- Do not operate the device in poor weather conditions, especially if there is a risk of lightning.
- Before using the lawn mower, always conduct a visual inspection of the lawn mower and check if the cutting blade, attachment bolts and entire cutting unit are worn or damaged. Worn or damaged cutting blades and attachment bolts may only be exchanged in sets to prevent an imbalance. Worn or damaged warning signs must be replaced.
- Have a qualified workshop sharpen or replace worn or blunt blades.
- Have qualified professionals perform repairs. Contact a qualified workshop for this. Liability and warranty claims are waived in the event of repairs performed by the user, improper connection of the device or incorrect operation.
- Replace defective mufflers.
- Never change the speed control and never increase the speed of the motor.
- Make sure all nuts, bolts and screws are tight and the lawn mower is in safe working condition.
- Regularly check the grass catcher bag for wear or loss of functionality.
- Do not start the lawn mower's motor when the grass catcher bag is not attached.
- Replace worn or damaged parts for safety reasons. Only use original spare parts and accessories.
- Never operate the lawn mower if safety equipment is damaged or missing.
- When making adjustments, make sure not to get your fingers caught between the moving blade and fixed parts of the lawn mower.

- Stop the motor, unplug the spark plug, and make sure all moving parts have come to a complete stop:
 - before loosening or removing blockages or obstructions from the grass discharger.
 - before checking, cleaning or servicing the lawn mower.
 - before filling up the tank.
- When handling the cutting blade, for example, when carrying out maintenance, make sure that the cutting blade can be moved, even when the lawn mower's motor is not on. You could get your fingers caught or injure yourself.
- Do not use the lawn mower for trimming shrubs or hedges or as a chopper for chopping up trees and shrubs, or for removing uneven terrain in the ground, such as molehills.
- Never put hands or feet on or under rotating parts.
- Wear sturdy shoes with a non-slip tread and tight, long trousers. Do not operate the lawn mower barefooted or in light sandals. Avoid wearing loose clothing or clothes with dangling strings or ties.
- Start or operate the pull starter with care, in accordance with the manufacturer's instructions. Make sure there is sufficient distance between the feet and cutting blade.
- Do not tilt the lawn mower when starting the motor.
- Never lift or carry the lawn mower when the motor is running.
- Do not mow the lawn when it is wet. There is a risk of slipping, grass clogging up the grass catcher bag, and the cutting result could be messy.
- Only mow during daylight or with good artificial lighting.
- Check the terrain where you are using the lawn mower: Remove branches, stones, fallen fruit and other foreign objects, including molehills from the lawn, so they do not get caught in the lawn mower, aren't tossed around or damage the lawn mower.
- Make sure that the cutting blade does not come into contact with the ground when cutting on uneven terrain.
- Only walk when pushing the lawn mower.
- Be extra cautious when you turn the lawn mower around or pull it towards you.
- Always make sure you have a good stance when mowing sloped terrain.

- Always mow horizontally to the slope when on sloped terrain; never up or down slopes. For safety reasons, do not mow slopes with an incline greater than 20°.
- Be extra cautious when you change the mowing direction on sloped terrain.
- Stop the cutting blade when you need to tilt the lawn mower to push it across areas other than grass and when you move the lawn mower to and from the area to be mowed.
- If the cutting blade comes into contact with stones or other hard objects, stop the motor immediately and wait until the cutting blade stops moving. Then inspect the cutting blade for damage.
- If the lawn mower starts to vibrate heavily or if it starts making strange noises or starts smelling, immediately switch off the lawn mower's motor and unplug the ignition cable. Have a qualified professional check the lawn mower before you use it again.
- Do not start the lawn mower's motor indoors or in poorly ventilated areas. The engine exhaust is poisonous and can cause suffocation.
- National and/or local regulations may restrict the use of noisy power equipment. Ask your municipal administration for further information.
- Due to the risk of forest fire, make sure you have a fire-extinguishing agent nearby when working in a dry and flammable (dry grass, bushes, etc.) environment.
- Take care to keep a normal body position. Maintain a stable stance and balance at all times.



Risk of injury!

If safety symbols on the device are illegible or missing, this may increase the risk of injury.

- Make sure the safety signs on the lawn mower are clean and legible.
- Replace safety signs if they are illegible or missing.
- If you use spare parts, make sure to put the corresponding safety signs on them as well.
- Please contact the manufacturer to get safety signs for replacement parts, if necessary.

Initial use

Checking the lawn mower and package contents

NOTICE!

Risk of damage!

If you are not cautious when opening the packaging with a sharp knife or other pointy objects, you may damage the lawn mower.

- Be careful when opening the package.



Two people are required to remove the lawn mower from the packaging. When lifting the lawn mower, make sure you maintain a stable stance and keep your back straight.

1. Lift the lawn mower out of the packaging.
2. Place the lawn mower on a level, stable surface.
3. Check to make sure that the delivery is complete (see **Fig. A–P** and the “**Package contents/parts list**”).
4. Check whether the lawn mower or the individual parts show signs of damage. If this is the case, do not use the lawn mower. Contact the manufacturer at the service address provided on the warranty card.
5. If possible, hold onto the packaging until you have fully assembled the lawn mower.

Assembly

Installing the grass catcher bag

1. From below, insert the metal bracket **17** into the side slots on the bottom part of the grass catcher bag **19** (see **Fig. B**).
2. Open the mounting bracket on the bottom part of the grass catcher bag **18** and securely attach the lower part of the metal bracket.
3. Place the top part of the grass catcher bag **20** with the handle side down, on solid ground.
4. Put the bottom part of the grass catcher bag onto the top part of the grass catcher bag so that the notches in the top part line up with the corresponding openings in the bottom part (see **Fig. C**).
5. Gently apply some pressure until you hear the notches in the top part of the grass catcher bag successively clicking into the corresponding openings (from back to front) into the bottom part of the grass catcher bag.

6. Insert the metal bracket into the corresponding holes in the top part of the grass catcher bag and guide the support plates **21** into the corresponding slots in the top part of the grass catcher bag (see **Fig. C**).
7. Use two M5 × 16 mm screws **23** and two M5 domed cap nuts **24** to securely attach the metal bracket and support plates (see **Fig. D**).
8. Attach the top part of the grass catcher bag to the bottom part by screwing a $\varnothing 3 \times 25$ mm screw **22** through the top part and bottom parts on both sides.
9. Insert the handle cover **26** into the corresponding opening under the handle on the top part of the grass catcher bag (see **Fig. E**).
10. If the fill level indicator **25** has not been preinstalled, has been removed or has come loose: insert the fill level indicator into the corresponding opening on the top part of the grass catcher bag.

Installing the flap

1. Insert the leg springs **27** into the corresponding openings in the flap **6** (see **Fig. F**).
2. Lift up the leg spring and insert it into the opening provided on the back of the lawn mower (see **Fig. G**).
3. Attach the flap to the lawn mower (see **Fig. H**) by inserting the flap rod **29** through the corresponding bracket on the lawn mower and the flap opening **28** so that it passes through to the other end of the flap.
4. Secure the rod in the flap by inserting a plug **30** on each side of the flap opening. Make sure you hear both plugs click into the flap opening.

Installing the upper handle

1. Pull the lever **11** for adjusting the cutting height outwards (towards the tyre), slide it to the highest level and then click it into place (see **Fig. A** and **M**). Note that this will raise the lawn mower.
2. Insert the lower handle **12** into the corresponding slots on the lawn mower so that the curved end is towards the back of the lawn mower (see **Fig. I**).
3. To attach the lower handle to the lawn mower, take a $\varnothing 5 \times 19$ mm **32** bolt and a 5.5×14.5 mm **31** washer and, from the outside, insert them (on both sides) through the hole provided on the slot on the lower handle.
4. Attach the two ends of the upper handle **2** to the lower handle (see **Fig. J**). Depending on the desired height, choose either the two higher holes or the two lower holes on the upper handle. Ensure that the Bowden cable **3** on the upper and lower handle is on the same side and not twisted (see **Fig. A** and **O**).
5. From the inside, insert an M8 × 45 mm screw through **35** the lower handle and upper handle.

6. From the outside, put a 8.5/15.5 mm washer **34** onto the screw.
7. Use two wing nuts **33** to tighten the two screws.
8. Install the pull starter bracket **38** on the upper handle by inserting the M8 × 45 mm **39** screw through the upper handle, the pull starter bracket and the \varnothing 6.4 / 18 mm **36** washer from the outside (see **Fig. K**).
9. Use the M6 domed cap nut **37** to tighten the screw.
10. Hold down the bail control arm **16** and then pull the pull starter **14** out a little bit.
11. Guide the starter cord **13** through the pull starter bracket in order to hang the starter rope in the pull starter bracket.
12. Use a cable tie **4** to secure the Bowden cable to the lower handle and another cable tie to secure it on the upper handle (see **Fig. A**).

Inserting the grass catcher bag

1. Lift the flap **6** all the way up (see **Fig. L**).
2. Attach the installed grass catcher bag **5** to the bracket on the lawn mower.
3. Make sure that you hear the grass catcher bag lock into place.
4. Lower the flap onto the grass catcher bag.

Preparations



Risk of injury!

Improper preparation may result in danger situations and injury.

- Stop the motor, unplug the spark plug and make sure all moving parts have come to a complete stop before you begin preparing to use the lawn mower.

Fuel



Risk of explosion, fire and damage to health!

Petrol and oil are highly flammable. Improper handling of fuels may lead to an explosion or a fire and can thereby damage your health through improper use.

- Keep the lawn mower away from open flames and do not smoke when adding fuel.

- Switch off the motor and let the lawn mower cool down before filling the petrol tank or oil tank. Overflowing fuel may otherwise catch fire.
- Only refill the lawn mower in well-ventilated areas. Petrol fumes can catch fire or explode when they accumulate.
- Exercise caution when filling the fuel tank and use the filler neck. Do not overfill the fuel tank.
- Avoid skin and eye contact with motor oil and fuel. Do not inhale the petrol fumes.
- Make sure petrol does not seep into the ground. Use a suitable underlay to protect the ground.
- After you have filled the tank, firmly close the lawn mower's fuel tank cap and reserve tank cap to prevent fuel from leaking. Clean up any fuel spills, and move the lawn mower 9 metres away from where you filled it up before starting the lawn mower in order to prevent fuel spills from being ignited by the engine exhaust.
- Keep fuel and motor oil away from children.
- Be absolutely sure to observe all safety notes when handling fuel and motor oil.

Adding fuel



Risk of injury!

Improper handling may result in injury.

- For detailed information, please refer to the separate user manual for the motor.

NOTICE!

Risk of damage!

Using improper fuels may damage the lawn mower.

- Only use clean, fresh, unleaded petrol as specified in the chapter "Technical data".
- Never add oil to the fuel.
- Only buy such quantities of fuel that can be used within a period of 30 days.

1. Turn the fuel tank cap anticlockwise (Symbol ) **9** and remove it (see **Fig. A**).
2. Use a funnel to carefully add fuel to the tank. The fuel tank can hold up to 0.75 l and must not be overfilled. Be very careful when adding fuel to the tank and make sure not to spill any fuel.
3. Check that the gasket for the fuel tank cap is clean and not damaged. If necessary, dry the gasket with a dry cloth. Immediately replace damaged gaskets.
4. Put the fuel tank cap back on by turning it clockwise by hand.

Adding motor oil

NOTICE!

Risk of damage!

If you do not add enough motor oil or use unsuitable operating fluids, you can damage the lawn mower's motor.

- The lawn mower is supplied without motor oil. Before using the lawn mower for the first time, make sure to add motor oil. Also check the oil level regularly before using the lawn mower.
- Only use suitable motor oil.



Please see the separate user manual for the motor for information on the motor oil and how often to change the oil.

1. Turn the oil tank cap with the oil dipstick anticlockwise (Symbol ) **10** and remove it (see **Fig. A**).
2. Use a funnel to carefully add motor oil. The oil tank can hold up to 0.44 l and must not be overfilled. Be very careful when adding oil to the tank and make sure not to spill any motor oil.
3. To check the oil level, first completely close the oil tank by using the oil tank cap with the oil dipstick and then screw it off again:
The oil level must be in the upper area between the two markings on the oil dipstick.
4. Put the oil tank cap with oil dipstick back on and turn it clockwise by hand.

Settings

Adjusting the height of the upper handle

1. On both sides of the upper handle, open up the clamping levers **15** used for adjusting the height of the upper **2** handle (see **Fig. N**).
2. Adjust the upper handle to the desired height. When mowing, take care to keep a normal body position (e.g. avoid slouching).
3. To secure the upper handle in place, click the two clamping levers back into place so that they rest directly on the upper handle.

Setting the cutting height



Risk of injury and burns!

You may injure yourself or burn yourself on the lawn mower if you do not exercise caution when adjusting the cutting height or if you do not wait for the lawn mower motor to cool down.

- Make sure to turn off the motor and wait until the blades stop moving before adjusting the cutting height.
- The motor will become hot during operation. Always wait until the motor has cooled sufficiently before adjusting the cutting height. Otherwise you can easily burn yourself.
- Be careful when adjusting the cutting height. Make sure not to get your fingers caught on the lever for adjusting the cutting height.
- There are seven levels for adjusting the cutting height for a lawn length of approx. 30–80 mm (see **Fig M**).
- Pull the lever **11** for adjusting the cutting height outwards (towards the tyre), slide it to the highest level and then click it into place. Make sure the lawn mower raises or lowers during this part of the process (see **Fig. A** and **M**).

Using the lawn mower



DANGER!

Risk of fire and explosion!

Petrol is highly flammable. Accidentally spilled fuel may catch on fire when you start up the lawn mower. There is a risk of fire and explosion!

- Make sure to carefully wipe up any fuel which has been accidentally spilled.
- Only start up the lawn mower when it is at least 9 metres away from where you filled it up.



DANGER!

Risk of poisoning!

Exhaust gases contain toxic ingredients. A risk of poisoning exists if you inhale high concentrations of gases.

- Never start the motor indoors or in poorly ventilated areas.



WARNING!

Risk of injury!

The cutting blade is very sharp. You could be severely injured by it.

- Keep your hands and feet away from the cutting blade!



WARNING!

Risk of strangulation and injury!

A risk of suffocation, being scalped and/or injury exists if loose-fitting clothing, jewellery or hair gets caught in the lawn mower's moving parts.

- Keep loose clothing, jewellery or long hair away from the mower's moving parts.
- Wear sturdy shoes with a non-slip tread and tight, long trousers. Do not operate the lawn mower barefooted or in light sandals. Avoid wearing loose clothing or clothes with dangling strings or ties.

**WARNING!****Risk of injury!**

Improper handling of the lawn mower may result in injury.

- Always turn off the lawn mower's motor when you stop or interrupt your work. Also always stop the motor during short breaks.

**WARNING!****Risk of injury!**

Improperly installed mower parts or broken mower parts may result in injury.

- Check the lawn mower before each use. Never operate the lawn mower if the lawn mower or its parts are defective.
- Have a qualified professional immediately replace defective parts.

Starting and stopping the motor**Starting the motor****WARNING!****Risk of injury!**

Improper use may result in injury.

- Before starting the motor, make sure that the starter cord is hooked into the pull starter bracket so that the cord does not snap back during use.
- The operator of the lawn mower must stand behind the upper handle's handlebar when starting the lawn mower's motor.
 1. Make sure the spark plug is installed **42** and that there is enough motor oil and fuel in the lawn mower (see chapter "Fuel").
 2. Push the primer bulb **7** when the motor is cold (see **Fig. A**):
 - 3 times every 2 seconds
 - or
 - 5 times every 2 seconds when the ambient temperature is below 10 °C.
 If the motor is already warm, you do not need to press the primer bulb.
 3. Stand behind the upper handle's handlebar **2**.

4. Pull the bail control arm **16** up to the upper handle's handlebar and hold it in position to release the engine brake and automatic switch-off.
5. Slowly pull the pull starter **14** until you feel a little resistance, then quickly and forcefully pull it until the motor starts running.
 - When the motor starts, carefully let the starter cord **13** retract into the bracket for the pull starter **38**.
 - If the motor does not start after three attempts, release the bail control arm and carefully allow the starter cord to fully retract. Then repeat the entire start-up procedure.

Procedure for excess fuel in the combustion chamber



Risk of injury!

If the motor does not start after several start attempts, the lawn mower may be filled with too much fuel.

- Follow the steps described below in order to clean the lawn mower and start the motor:
 1. Release the bail control arm **16** (see **Fig. A**).
 2. Remove the ignition cable **8** from the spark plug **42** (see **Fig. P**).
 3. Unscrew the spark plug from the cylinder head by turning it anticlockwise.
 4. Dry the spark plug with a soft, lint-free cloth.
 5. Then loosen the spark plug in the cylinder head by turning it clockwise. Make sure that the screw thread is not cross-threaded.
 6. Then give the spark plug a 1/8 to 1/4 turn to tighten the washer.
 7. Put the ignition cable back onto the spark plug.
 8. Start the motor as described in the chapter “Starting the motor”.

Stopping the motor

- Release the bail control arm **16** to stop the lawn mower motor.
- Wait until all moving parts have come to a full stop.

Using the wheel drive

The lawn mower is equipped with wheel drive that facilitates the work of the operator.

- While the motor is running, slowly pull the gear selector arm **1** to the upper handle's handlebar **2** and hold it there in order to use the wheel drive (see **Fig. A**). The lawn mower will start to move.
- Release the gear selector arm to turn off the wheel drive.
- Always turn the wheel drive off when turning the lawn mower and using it on slopes or very uneven terrain.

Mowing grass

- Stand behind the upper handle's handlebar **2** and start the motor as described in the chapter "Starting the motor" (see **Fig. A**).
- If necessary, pull the gear selector arm **1** to the upper handle's handlebar and hold it in position to use the wheel drive (see chapter "Using the wheel drive").
- Slowly and steadily push the lawn mower (walking speed).
- Push the lawn mower in as straight a line as possible over the area to be mowed.
- Let the edges of individual lines (tracks) overlap slightly by a few centimetres in order to achieve uniform cutting results.
- The best results are achieved when the grass to be mowed is dry. Damp grass can cause the cutting blade or grass catcher bag to become clogged or stuck.
- Please note that the wind and sun can dry out the lawn after mowing. It is therefore best to mow during the late afternoon.
- Cut the grass blades by a maximum of half of their length.
- In order not to damage the lawn or overload the lawn mower by cutting long, tall grass, gradually start cutting taller grass to the length you want.
- If the lawn mower is not properly picking up mown grass and putting it in the grass catcher bag, the grass discharger may be clogged, the grass catcher bag may be full, or the underside of the mower may be clogged.

Emptying the grass catcher bag



Fire hazard!

Grass clippings left in the grass catcher bag increase the risk of fire.

- After each lawn mower use, empty the grass catcher bag even when it is not full.



Risk of injury and burns!

You may injure yourself or burn yourself on hot parts of the lawn mower if you do not exercise caution when attaching or removing the grass catcher bag or do not wait for the lawn mower motor to cool down.

- Make sure to turn off the motor and wait until the blades stop moving before removing the grass catcher bag.
- Be careful when removing or attaching the grass catcher bag. Make sure not to get your fingers caught.
- Never use your hand or foot to remove grass clippings from the lawn mower's casing or from the cutting blade. Use a suitable tool, such as a brush or a broom.



The air flow will cause the fill level indicator to rise when using the lawn mower.

If the grass catcher bag is full, the fill level indicator will rest on the grass catcher bag. The grass catcher bag must be emptied.

1. Lift the flap **6** with one hand (see **Fig. L**).
2. Use your other hand to lift the grass catcher bag **5** off the bracket and remove it from the lawn mower.
3. Slowly lower the flap.
4. Empty the grass catcher bag and shake it out well. Look inside the grass catcher bag: You should be able to see through the fabric. If not, use a hand brush to gently clean it. In addition, clean the sieve underneath the fill level indicator **25** in order to ensure that the grass catcher functions correctly.

5. Lift the flap and use a hand brush, etc. to remove any grass clippings from the grass discharger, if necessary.

Keep the grass clippings and any obstructions out of the grass discharger to make sure the mown grass can be transported to the grass catcher bag.

6. Attach the grass catcher bag to the lawn mower (see chapter “Attaching the grass catcher bag”).

Cleaning



Risk of injury and burns!

You may injure yourself or burn yourself on the lawn mower if you do not exercise caution when cleaning the lawn mower or do not wait for the lawn mower motor to cool down.

- Turn the motor off, remove the spark plug and wait until the blades stop moving before cleaning the lawn mower.
- The motor will become hot during operation. Always wait until the motor has cooled sufficiently before cleaning. Otherwise you can easily burn yourself.

NOTICE!

Risk of damage!

Improper handling of the lawn mower may result in damage and influence the mowing result.

- Immediately remove grass clippings and other deposits after using the lawn mower. Dried, hard grass clippings and other deposits can affect the lawn mower’s performance and clog the grass discharger. Make sure that the bottom of the lawn mower is clean and unclogged.
- Never turn the lawn mower upside down.
- Use a petrol suction pump to completely remove fuel from the lawn mower’s fuel tank before putting it on its side. When standing upright (spark plug facing upwards), this is not necessary due to the installed fuel system.
- Never clean the lawn mower with a water jet or a pressure washer. If the lawn mower’s motor gets wet, it can be damaged.

- Do not use any aggressive cleaners such as cold cleaners or benzine (spirit solvent).

The lawn mower must be cleaned on a regular basis in order to achieve the best mowing results. Clean your lawn mower immediately after each use.

- Remove the grass catcher bag **5** from the lawn mower and empty it (see chapter “Emptying the grass catcher bag”).
- If necessary, empty the fuel tank.
- Tilt the lawn mower backwards so the spark plug is facing upwards.
- Use a brush or hand brush to remove grass clippings and dirt from the lawn mower. Make sure not to injure yourself on the cutting blade or to get your fingers caught on the lawn mower’s moving parts.
- If necessary, remove the grass clippings and other deposits from the grass discharger. The grass discharger must free of any obstructions so that the lawn mower runs properly.

Maintenance



Risk of injury and burns!

You may injure yourself or burn yourself on the lawn mower if you do not exercise caution when conducting maintenance work or do not wait for the lawn mower motor to cool down.

- Make sure to turn the motor off, remove the spark plug and wait until the blades stop moving before servicing the lawn mower.
- The motor will become hot during operation. Always wait until the motor has cooled sufficiently before carrying out maintenance work. Otherwise you can easily burn yourself.



Risk of injury!

Improper handling may result in injury.

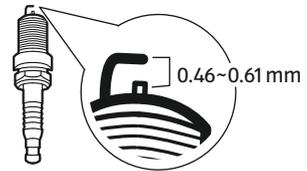
- For detailed information, please refer to the separate user manual for the motor.
- Regular maintenance helps prolong the life of the lawn mower. The manufacturer recommends adhering to the following maintenance plan.

	after each use,	after 8 hours of use or daily,	after 25 hours of use or yearly,	after 50 hours of use or yearly,
Lawn mower	Cleaning	Cleaning	Cleaning	Cleaning
Air filter		Cleaning	Cleaning	Exchange
Spark plug		Cleaning	Cleaning	Exchange
Motor oil	Test	Test	Exchange	Exchange
Cutting blade	Test	Test	Test	Test
Petrol motor			Maintenance*	

*Consult a professional for the maintenance of the petrol motor.

Spark plug

1. Allow the motor to cool down completely.
2. Remove the ignition cable **8** from the spark plug **42** (see **Fig. P**).
3. Unscrew the spark plug from the cylinder head by turning it anticlockwise.
4. Clean the spark plug with a wire brush.
5. Using a calliper gauge to ensure the distance between centre electrode and ground electrode is between 0.46 ~ 0.61 mm.
6. Then loosen the spark plug in the cylinder head by turning it clockwise. Make sure that the screw thread is not cross-threaded.
7. Then give the spark plug a 1/8 to 1/4 turn to tighten the washer.



Air filter

NOTICE!

Risk of damage!

Improper handling of the lawn mower may result in damage.

- Never operate the lawn mower if the air filter is not installed.

The lawn mower is equipped with a folded filter.

1. Hold the cover of the filter cover **41** and remove the filter cover (see **Fig. P**).
2. Remove the air filter from the bracket.
3. Gently knock the air filter against a hard surface to loosen and remove any dirt. Replace the air filter if it is too dirty.

4. Slide the air filter back onto the bracket.
5. Reattach the filter cover by first hooking the two hooks on the lower part of the filter cover. Then click the top of the filter cover back into the receptacle.

Motor oil



Risk of injury!

Improper handling may result in injury.

- For detailed information, please refer to the separate user manual for the motor.



Risk of explosion and fire!

Fuel may leak out if you put the lawn mower on its side with a filled fuel tank. This could cause an explosion or a fire.

- Use a petrol suction pump to completely remove fuel from the lawn mower's fuel tank before putting the lawn mower on its side to change the oil.
 1. Have a container ready to collect the used oil.
 2. Tilt the mower to the right in the direction of the oil tank.
 3. Remove the oil tank cap with oil dipstick (Symbol ) **10** to drain the old motor oil into the designated container (see **Fig. A**)
 4. Add the motor oil (please see information provided in the separate user manual for the motor). The oil tank can hold up to 0.44 l and must not be overfilled. Be very careful when adding oil to the tank and make sure not to spill any motor oil.

To check the oil level, first completely close the oil tank by using the oil tank cap with the oil dipstick and then screw it off again:

The oil level must be in the upper area between the two markings on the oil dipstick.
 5. Put the oil tank cap with oil dipstick back on and turn it clockwise by hand.
 6. Start the motor as described in the chapter "Starting the motor" and let it run for a bit.
 7. Switch off the motor.
 8. Wait until the motor has cooled down.
 9. Use the oil dipstick to test the oil level once again and then add more motor oil if necessary.

Cutting blade



Risk of injury!

The lawn mower's cutting blade is very sharp. You could severely injure yourself on it.

- For safety reasons, have a qualified professional sharpen, balance and install the blades.
- When working on the cutting blade, always turn off the motor and disconnect the ignition cable to prevent the cutting blade from accidentally starting.
- Note that the cutting blade can be moved even when the motor is turned off. Exercise extreme caution when working on the cutting blade.
- Always wear protective gloves when working on the cutting blade.
- Never grab the cutting blade with your bare hands.



Risk of explosion and fire!

Fuel may leak out if you put the lawn mower on its side with a filled fuel tank. This could cause an explosion or a fire.

- Use a petrol suction pump to completely remove fuel from the lawn mower's fuel tank before putting the lawn mower on its side to carry out work on the lawn mower.

NOTICE!

Risk of damage!

Improper handling of the lawn mower may result in damage.

- Never turn the lawn mower upside down. In order to work on the cutting blade, tilt the lawn mower backwards so the spark plug is facing up.



The manufacturer recommends inspecting the cutting blade once a year to achieve the best possible cutting results.

- Have a qualified professional replace the cutting blade if it is severely worn or dull.
- Replace the cutting blade after 50 hours of use or after two years, whichever comes first.
- Replace the cutting blade if it is worn or damaged.

Adjusting the Bowden cable for the wheel drive

1. Turn the adjuster **40** between the two hexagonal bolts in the direction of the arrow until the Bowden cable **3** between the gear selector arm **1** and the stopping point has tightened (see **Fig. 0**).
2. Carry out the following steps to check the Bowden cable setting: Start the motor and try to turn on the wheel drive (see chapters “Starting the motor” and “Using the wheel drive”).
3. Repeat step 1 if the wheel drive does not turn on.
4. If necessary, contact a qualified professional if the Bowden cable cannot be properly adjusted.

Storage



Risk of injury!

Improper use may result in injury.

- Keep the lawn mower in a place where children or persons who do not know how to operate the lawn mower cannot access it.

The lawn mower motor has a fuel and oil system suitable for upright storage. This allows the lawn mower to be tilted backward for storage to reduce the storage space required. For further information, please also refer to the separate user manual for the motor.

Short-term storage



If you do not use the lawn mower for a short period of time (less than 15 days), you do not need to carry out major maintenance work (see chapter “Longer-term storage”).

1. Allow the motor to cool completely.
2. Make sure that the grass catcher bag **5** is empty.
3. Clean the lawn mower as described in the chapter “Cleaning”.
4. Keep the lawn mower in a protected area where it can be placed on a flat, level surface. Make sure that all four lawn mower wheels touch the ground in a horizontal position, or that the lawn mower is sturdy when placed upright.

Long-term storage



If you do not use the lawn mower for a longer period of time (more than 15 days), carry out maintenance work as follows. Otherwise, there is a possibility that you will not be able to start the lawn mower properly the next time you start it up and it will need to be serviced.

For further information, please also refer to the separate user manual for the motor.

1. Use a petrol suction pump to completely remove fuel from the lawn mower’s fuel tank.
2. Start the motor and let it run until the remaining petrol is used up (see chapter “Starting the motor”).
3. Remove the old motor oil as described in the chapter “Motor oil”.
4. Remove the ignition cable **8** from the spark plug **42** (see **Fig. P**).
5. Unscrew the spark plug from the cylinder head by turning it anticlockwise.
6. Add approx. 20 ml of clean motor oil to the cylinder and slowly pull on the pull starter **14** to coat the cylinder with oil.
7. Then loosen the spark plug in the cylinder head by turning it clockwise. Make sure that the screw thread is not cross-threaded.
8. Then give the spark plug a 1/8 to 1/4 turn to tighten the washer.
9. Clean the cylinder’s cooling fins and the housing.
10. Keep the lawn mower in a protected, well-ventilated area where it can be placed on a flat, level surface. Make sure that all four lawn mower wheels touch the ground in a horizontal position, or that the lawn mower is sturdy when placed upright.

Transport



WARNING!

Risk of explosion and fire!

Fuel may leak out if you transport the lawn mower with a filled fuel tank. This could cause an explosion or a fire.

- Use a petrol suction pump to completely remove fuel from the lawn mower's fuel tank before transporting the lawn mower.
- Make sure the lawn mower is secured when transporting it in a vehicle to prevent it from slipping, vibrating or hitting things.

Troubleshooting

Problem	Cause	Solution
The lawn mower vibrates heavily when used.	One or more screws has come loose.	Make sure that all screw connections are secure. If necessary, retighten the screws.
	The cutting blade's fixing screw has come loose.	Check the cutting blade's fixing screw. Retighten it if necessary.
	The cutting blade rotates unevenly.	Have a qualified professional check the cutting blade and replace it if necessary.
The motor won't start.	The bail control arm is not fully pulled against the upper handle's handlebar.	Pull the bail control arm against the upper handle's handlebar and hold it there.
	The spark plug is defective.	Replace the spark plug.
	There is no fuel in the tank.	Add fuel to the tank (see chapter "Adding fuel").
	There is too much fuel in the combustion chamber.	Dry the spark plug (see chapter "Procedure for excess fuel in the combustion chamber").
The motor does not run smoothly.	The air filter is dirty.	Clean the air filter.
	The spark plug is dirty.	Clean the spark plug.

Problem	Cause	Solution
The mowing results are not even.	The cutting blade is dull.	Have a qualified professional sharpen or replace the cutting blade.
	The cutting height is not low enough.	Set the cutting height (see chapter "Setting the cutting height").
Not all the grass is being collected in the grass catcher bag.	The cutting height is not low enough.	Set the cutting height (see chapter "Setting the cutting height").
	The cutting blade is worn.	Have a qualified professional check the cutting blade and replace it if necessary.
	The grass catcher bag is full.	Remove the grass catcher bag (see chapter "Emptying the grass catcher bag").
The wheel drive does not work.	The wheel hub is damaged/defective.	Contact After Sales Support or another qualified professional to have the defective wheel replaced.
	The V-belt is defective.	Contact After Sales Support or another qualified professional to have the defective V-belt replaced.

Technical data

Model:	GL 46 / 119919
Article number:	97814
Motor:	Single-cylinder four-stroke engine (Briggs & Stratton engine)
Output:	2.2 kW / 2900 min ⁻¹
Max. speed:	2900 min ⁻¹
Type of operation:	self-propelled (rear-wheel drive)
Speed:	approx. 3.5 km/h
Fuel:	Please see information provided in the separate user manual for the motor.
Cutting width:	46 cm
Cutting height:	30–80 mm
Volume:	96 dB (A)
Weight (including accessories):	30.8 kg

Noise/vibration information



Health hazard!

Working without wearing hearing protection or protective clothing can lead to health problems.

- Wear ear protection and suitable protective clothing when working with the device.

Measured in accordance with ISO 5395-1:2013. The noise at your workplace may exceed 85 dB (A); the operator must take protective measures in this case (wear suitable ear protection).

- Sound pressure level L_{pA} : 82 dB (A)
- Sound power level L_{wA} : 96 dB (A)
- Uncertainty K: 3 dB (A)

The aforementioned values are noise emission values and therefore do not necessarily represent safe values for the workplace. The correlation between emission and emission levels cannot reliably provide for a conclusion as to whether additional cautionary measures are necessary or not. Factors that could affect the respective emission level present at the workplace involve the specification of the work area, the surrounding area, the duration of exposure, other noise sources etc.

You must also observe any divergences in national regulations with respect to the permissible workplace levels. The aforementioned information does, however, allow the user to better assess dangers and risks.

- Vibration level a_{vhw} : 3.5 m/s²
- Uncertainty K: 1.5 m/s²

WARNING!

The aforementioned vibration emission level (vibration value) has been measured in accordance with a test method standardised in EN ISO 5395-1:2013 and can be used to compare one device to another. It is also suited for preliminary estimation of loading by vibration. The actual vibration emission value can, as described below, differ by type of application:

- Is the equipment in good condition and has it been properly maintained?
- How and for which material is the device used.
- Use of the right accessories and whether they are in good condition.
- A firm grip of the equipment by the operator.

- Is the equipment being used as described in this user manual?

If the equipment is improperly used it can cause vibration-related ailments.

WARNING!

Depending on the type of use or conditions of use, the following safety measures must be taken to protect the user:

- Avoid exposure to vibrations as much as possible.
- Only use accessories in perfect working order.
- Wear vibration-damped gloves when using this tool.
- Follow this user manual to service and carry out maintenance on the device.
- Plan your work steps so as not to use strongly vibrating tools over several consecutive days.

Disposal

Disposing of the packaging



- Sort the packaging before you dispose of it. Cardboard and cartons should be disposed of in the paper recycling, films in the waste recycling.

Disposing maintenance materials and operating equipment

- If at some point it is no longer possible to use the lawn mower, turn it in at a collection point in your community/borough. This ensures that old devices are recycled properly and also avoids negative impact on the environment.

Disposal of the lawn mower

- Dispose of the lawn mower in accordance with the applicable disposal regulations for your country.
- If at some point it is no longer possible to use the lawn mower, return it to a collection point in your community/borough. This ensures that it is recycled in a professional manner and also rules out negative consequences for the environment.

Declaration of conformity

EU/EC Declaration of Conformity

Original Declaration of Conformity

We hereby declare under our sole responsibility that this product, in the form distributed on the market, meets the requirements of the harmonised EU directives, EU safety standards and other product-specific standards.

Product

Petrol lawn mower

ManufacturerAL-KO Geräte GmbH
Ichenhauser Str. 14**Authorised person for documentation**Andreas Hedrich
Ichenhauser Str. 14**Serial number**

G1041081

89359 Kötz

Germany

89359 Kötz

Germany

Type

GL46

EU directives2006/42/EC
2014/30/EU
2000/14/EC**Harmonised standards**EN ISO 5395-1 :2013
EN ISO 5395-2 :2013+ A1:2016 +A2:2017
EN ISO 14982 :2009
EN ISO 12100 : 2010
EN ISO 3744 :2010**Sound power level**

EN ISO 3744

measured / guaranteed

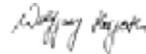
95 dB(A) / 96 dB(A)

Conformity assessment

2000/14/EC Annex VIII

Notified body (2000/14/EC)TÜV SÜD Industrie Service GmbH
01/12/2017 TÜV SÜD Gruppe

Kötz, Germany,

Dr. Wolfgang Hergeth
Managing DirectorWestendstraße 199
D-80686 Munich



Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly. In the event of product failure within its intended use over the course of the first 3 years after date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product, please contact us via our helpline support services, details of which are to be found both in this manual and on the product itself.



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