Operating Instructions

FIEDLER®
Leaf vacuum machine
FLA 1250 H

HAKO Citytrac 4200





These operating instruction must always be kept close to the machine in the driver's cab!

Operating Instructions

FIEDLER® Leaf vacuum machine FLA 1250 H

Dear Customer

With this **FIEDLER**® product, you have selected a professional machine that guarantees the highest quality and reliability.

We thank you for trusting

We ask you to **completely read through**

the following instructions before starting, so that you can use all the advantages of our products.



Machine No.:



Date of publication: 12. June 2013

EU Declaration of Conformity

in accordance with the EU Machine Guideline 2006/42/EU dated 17 May 2006, Annex II A

Manufacturer: FIEDLER Maschinenbau und Technikvertrieb GmbH

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Person responsible for the

technical documentation: State approved technician

Maik Winkler

FIEDLER Maschinenbau und Technikvertrieb GmbH

Dresdner Straße 76c D-01877 Schmölln-Putzkau

Description of the machine:

Product description: leaf vacuum machine FLA 1250 H

Function: Mechanical removal of leaves and light material like leaves (light

litter) in the green areas, pavements, parking places and roadsides

and/or footpaths

Date of manufacture:

We declare herewith that the above-mentioned machine in its conception and type as well as in the design being sold by us conforms to all pertinent regulations of the Machine Guideline 2006/42/EU.

If the machine is modified without our authorization, this declaration will become invalid.

The above-mentioned machine meets the requirements of the following guidelines:

achine Guideline 2006/42/EU

The following harmonized standards have been used:

- DIN EN 12100-1 Safety of machines basic terms, general layout guidelines, Part 1: Basic terminology, Method
- DIN EN 12100-2 Safety of machines basic terms, general layout guidelines, Part 2: Technical guidelines and specifications
- DIN EN 60204-1 Safety of machines electrical fittings of machines, Part 1: general requirements
- DIN EN ISO 13849 Safety of machines safety-related parts of control units

Schmölln-Putzkau, 18 October 2011

Frank Fiedler, BSc in engineering Managing Director:



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1 General

These operating instructions give information about all the models, series and special attachments of your machine/assembly device available at the time of the publication of these operating instructions.

There may be country-specific deviations.

Please note that your model need not be equipped with all the functions described. This is also applicable to the safety systems and functions. There may be deviations in the description or the illustrations because of this.

The scope of the function and the list of special equipment have been given in the original purchase agreement documents of your machine/attachment device.

In case of any queries related to equipping and operation, you can contact any authorized **FIEDLER®** dealer.

Special information on the carrier vehicles, such as assembling, installing and operation can be found in the Annex of these operating instructions or in the operating handbook of the corresponding vehicle manufacturer.

These operating instructions are an important document and must always be kept in the vehicle!



2 Safety

2.1 General Instructions

The leaf vacuum machine FLA 1250 H has been manufactured in accordance with the current level of technical expertise, the assembly guidelines of Hako – Werke GmbH and Multicar branch of Hako – Werke GmbH.

Still, mishandling and incorrect operation can be hazardous:

- for the health and life of the operator and/or third party
- for the machine or other material objects of the operator
- for the problem-free operation of the machine

Therefore, the leaf vacuum machine must only be used for the purpose intended for it and operated in a safe, perfect working order. Disturbances, which could compromise safety must be removed completely.

2.2 Obligations of the operator

The operator is obligated to allow only those people to work on the leaf vacuum machine that:

- are at least 18 years old
- have a relevant driver's license and know the vehicle's operations
- have been technically briefed about the handling of the vehicle and the leaf vacuum machine
- are familiar with the basic directives concerning occupational safety and avoidance of accidents as well as the accident prevention guidelines of the Accident Prevention and Insurance Association
- have read and understood the operating instructions and have confirmed it with their signature

The operator is obligated to instruct his/her operating company that the key for unlocking the access hatch must always be with the ignition key of the vehicle in order to ensure that it can only be opened when the ignition is switched off!

If this requirement is not met and there are accidents as a consequence, all the liabilities of the manufacturer are precluded!

(Refer to the last page of the operating instructions!)

It must be checked regularly that the personnel are working with safety in mind.

2.3 Permitted operators and the workplace of the operator

The leaf vacuum machine should only be operated, serviced and maintained by people that:

- are at least 18 years old
- have a relevant driver's license and know the vehicle's operations
- have been technically briefed about the handling of the leaf vacuum machine





The workplace of the operator is exclusively in the driver's cab of the vehicle.

All people that must work with the vacuum machine must:

- read and understand these instructions and confirm this by signing on the last page
- follow the basic directives concerning occupational safety and avoidance of accidents as well as the accident prevention guidelines of the Accident Prevention and Insurance Association

2.4 Symbol – and clarification of the instructions



WARNING!

Shows a possible hazardous situation

If this instruction is not followed, it can lead to death or grave injuries



CAUTION!

Shows a possible hazardous situation

Non-adherence to this instruction can lead to mild injuries or damage to the machine



IMPORTANT!

Shows user tips and useful information

Non-adherence to this instruction can lead to problems in the machine or in the surroundings.

2.5 Proper use

The leaf vacuum machine is designed for the mechanical removal of leaves and light materials like leaves (light litter) in green areas, pavements, parking places and footpaths.

The machine can only be mounted on a Hako Citytrac 4200 DA.

Proper use also includes the adherence to all the instructions from these operating instructions and the adherence to the inspection and maintenance works!

2.6 Safety labels on the machine

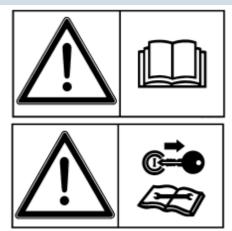


Risk of injury due to moving parts!

It is prohibited to remove the safety equipment during the operation!

Risk of injury due to the turning cutter shaft!

It is prohibited to remove the safety equipment during the operation! The cutter shaft runs for a minute after switching off!



Before using the leaf vacuum machine

Read the operating instructions!

In case of repairs and maintenance works

_

Stop the vehicle and remove the ignition key! Follow the operating instructions!

2.7 Safety equipment

- The leaf vacuum machine FLA 1250 H has safety equipment. Before each use, it must be ensured that this equipment is attached properly and is functioning correctly!
- Safety equipment must only be removed when the machine is at a standstill and secured against restarting!
 - Housing for pick-up shafts
 - Housing on the blade cutter
 - Access hatches with locks
 - Chain guard

The access hatches must be kept closed during the operation; the key for it must always be on the keyring for the ignition key!

2.8 Safety measures in the operation



WARNING!

Danger due to flying objects!

No person or animal should be within 5m of the machine when it is operational! While operating in the proximity of public road traffic, the flashing warning light must be kept on and the following traffic must be warned!



WARNING!

Risk of crushing in the lifting area of the leaf vacuum machine!

Maintenance and installation works must only be carried out when the turbine is not operational, the vehicle is switched off and the hydraulic system is without pressure.

Make sure that the access hatch is locked!

It must always be locked while operating the leaf vacuum machine.



WARNING!

Changed handling and steering of the vehicle!

Do not exceed a speed of 5km/h during the vacuuming work!

The maximum transporting speed must not exceed 50km/h!



WARNING!

Extra caution - increased front weight

The leaf vacuum machine will turn sideways if the steering wheel is turned too





sharply!



WARNING!

Risk of injury due to the rotating sweeping brush and cutter blade!

The vacuum head must not be touched by the hands or feet when it is operational! It is prohibited to insert or remove objects from the vacuum head during operation!



WARNING!

Breaking the collection hose and damage to the driver's cab!

The collecting hopper must be uncoupled while removing the leaf vacuum machine!



WARNING!

Risk of cutting and crushing by the cutter blade!

Manually turning the collecting shaft can cause the cutter blade to turn!

Never touch the area around the cutter blade!

The access hatches must be kept closed during operation, the key for it should always be kept on the keyring for the ignition key!



CAUTION!

Damage to the engine due to dust in the vehicle radiator!

Check the vehicle's radiator every hour!

If required, clean when the engine is switched off and the vents are stationary.



CAUTION!

Damage to the hydraulic system due to increased hydraulic oil temperature!

Check the oil coolant and hydraulic hoses every hour!

- In addition to these operating instructions, the general and local regulations for preventing accidents and for environmental protection as well as the regulations for accident prevention of the Accident Prevention and Insurance Association must be kept handy and followed!
- The machine must be checked for externally visible damage and the functionality of the safety equipment before each use.
- Unauthorized modifications to the machine and its safety equipment are prohibited and will preclude the manufacturer's liability!
- Bypassing and otherwise making the safety equipment ineffective is not permitted.
- All general safety and warning instructions must be kept in the machine in a legible form.
- These operating instructions must be kept in the driver's cab of the HAKO Citytrac when the leaf vacuum machine is attached to it.

2.9 Hazard due to the hydraulic energy



WARNING! Risk of infection!

Hydraulic oil can cause skin rashes and other health problems! Even a small amount of oil can penetrate the skin and cause serious injury! Consult a doctor immediately in such cases!



WARNING!

Risk of injury due to spraying hydraulic oil!

The connection of the hydraulics must be made only when the vehicle is switched off and the hydraulic system is without pressure!



IMPORTANT!

Possible environmental contamination!

Do not spill any hydraulic oil!

Take measures to collect any hydraulic oil that may have spilled!

The handling and disposal of hydraulic oils are subject to legal regulations!

Only people with special know-how and experience in hydraulics must handle hydraulic equipment.

Check the hydraulic hoses regularly to ensure they are properly sealed!

They must be replaced regularly, even when there are no evident defects (see Maintenance and inspection of the hydraulic unit in the vehicle's handbook).

2.10 Machine noise

The constant noise level of the machine is below 80dB.

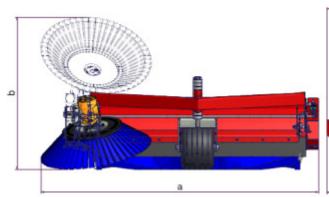
Depending on the local conditions, there could be a higher noise level that could cause difficulty in hearing due to the noise. In such cases, the personnel must have the necessary safety equipment and/or safeguard themselves with safety measures.

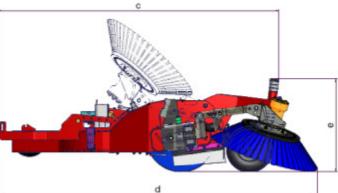
2.11 In an emergency

Stop the vehicle and turn off the engine.



3 Technical data





a (machine width)	1,610mm
b (machine height, transport)	880mm
c (machine length, transport)	1,650mm
d (machine length, when working)	1,850mm
e (machine height, when working)	550mm
Work area	1.25m (1.50m with side brush)
Work width	1.25m (1.50m with side brush)
required oil quantity	40-45I/min at 180bar
Weight	200kg
Controls	electro-hydraulically operated vehicle hydraulics
Hydraulic supply	throughout the carrier vehicle

Tab. 1 Technical data





4 Assembly



WARNING!

Risk of crushing in the lifting area of the leaf vacuum machine!

Maintenance and installation works must only be carried out when the turbine is not operational, the vehicle is switched off and the hydraulic system is without pressure.

Make sure that the access hatch is locked!

It must always be secured while working under the collector!



WARNING!

Risk of injury due to the rotating pick-up shaft and cutter blade!

The vacuum head must not be touched with the hands or feet during operation! It is prohibited to insert or remove objects from the vacuum head during operation!



WARNING!

Breaking the collection hose and damage to the driver's cab!

The collecting hopper must be uncoupled while removing the leaf vacuum machine!

4.1 Mounting the chassis frame to the machine

The mounting is carried out with a Euro pallet and two open end spanners SW19.

- 1. Secure the machine to a Euro pallet to ensure it doesn't topple.
- 2. Hang the chassis frame from top, left, and right from the stipulated points
- 3. tighten from both sides with a hexagonal screw M12×30

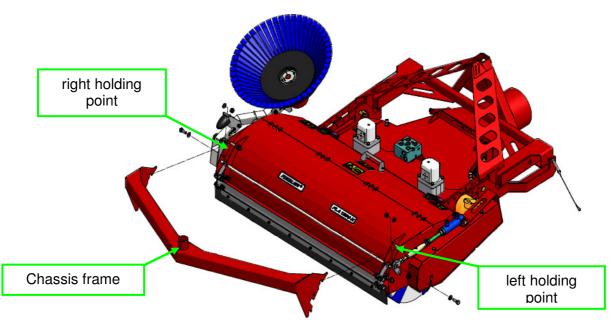


Fig. 1 Assembling the chassis



4.2 Mounting on the vehicle

The mounting on the carrier vehicle without any tools!

- 1. Secure the vacuum machine on a level ground on a Euro pallet against toppling over
- 2. Remove the four retaining bolts, the assembly frame from the holders and remove all moving objects from the coupling zones
- 3. Move the Citytrac slowly up to 20cm in front of the rear fastening points

 → connect the suction hopper of the Citytrac to the leaf vacuum machine in this position
- 4. Move the Citytrac as precisely as possible for the remaining 20cm to the leaf vacuum machine switch off the engine, switch on the ignition again and activate the floating position
- 5. Align the lower linkage eyes with the holes of the assembly frame and connect with the provided mounting bolts
- 6. Secure the mounting bolts
- 7. Connect the vehicle hydraulic system to the machine's hydraulic system (also see Section 5.1)

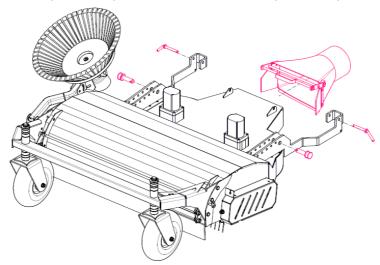


Fig. 2 Assembly on the Citytrac

8. If the leaf vacuum machine is hanging with the front mounting bolts, the Citytrac can be started and the hoist can be lifted slowly until the rear holes of the collector are in position over the rear fastening points on the lower linkage of the Citytrac – fasten in this position with the required bolts and secure

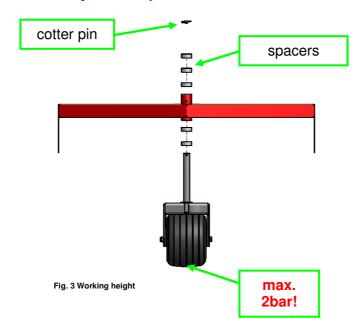
4.3 Adjusting the working height

The working height can be adjusted without tools!

- to adjust the working height, raise the device completely so that the chassis hangs above the ground
- by distributing the spacers on the top or bottom, the desired/required working height can be set
- 1. remove the cotter pin
- 2. remove the wheel fork by pulling it down
- 3. distribute the spacers as desired in case of first time assembly, the rings must be spread out equally above and below the frame
- 4. replace the cotter pin



The tyres air pressure should not exceed 2 bar, since it will otherwise lead to unnecessary rubber wear by the scraper.



4.4 Dismantling the machine

The dismantling is done in the reverse order of the assembly.

- 1. Lift the device completely
- 2. Switch off the ignition, apply the parking brake
- 3. Secure the vehicle against tipping over
- 4. Disconnect the hydraulics
- 5. Loosen the locking lever on the suction hopper and fold away downwards (Work from the side, do not stand under the machine!)
- 6. Position the Euro pallet under the machine
- 7. Switch on the hydraulics and lower the hoist until the machine is on the Euro pallet
- 8. Remove the mounting bolts
- 9. Lower the hoist again until the machine is completely released from the vehicle
- 10. Drive the vehicle away carefully backwards





Return line

5 Hydraulics

5.1 Connections on the vehicle



IMPORTANT!

The hydraulic couplings can be under pressure.

Please follow the operating instructions of the vehicle!

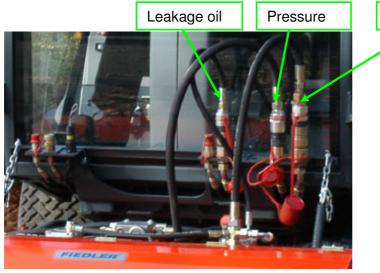


Fig. 4 Front hydraulic connection

5.2 Adjustment of the throttle valve

Setting of the rotation speed of the pick-up shaft/side brushes

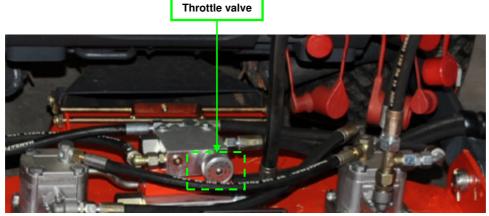


Fig. 5 Rotational speed setting



IMPORTANT!

If the throttle valve is turned all the way, the pick-up shaft and the side brush is switched off.



6 Operation



WARNING!

Danger due to flying objects!

No person or animal should be within 5m of the machine when it is operational! **Work only when the collection hose is attached.**

While operating in the proximity of public road traffic, the flashing warning light must be kept on and the following traffic must be warned!



WARNING!

Damage to the leaf vacuum machine and damage to the environment!

Never operate in water or other liquids!



WARNING!

Risk of crushing in the lifting area of the leaf vacuum machine!

Maintenance and installation works must only be carried out when the turbine and the vehicle is switched off and the hydraulic system is without pressure.

Make sure that the access hatch is locked!

It must always be secured while working under the machine!



WARNING!

Changing the driving and turning behaviour of the vehicle

Do not exceed a speed of 5km/h during the vacuuming work! The maximum transporting speed must not exceed 50km/h!



WARNING!

Extra caution – increased front weight!

Sharp turns cause the machine to sway sharply outwards!



WARNING!

Risk of injury due to the rotating sweeping brush and cutter blade!

The vacuum head must not be touched with the hands or feet during operation! It is prohibited to insert or remove objects from the vacuum head during operation!



WARNING!

Breaking the collection hose and damage to the driver's cab!

The collecting hopper must be uncoupled while removing the leaf vacuum machine!



WARNING!

Risk of cutting and crushing by the cutter blade!

Manual turning of the pick-up shaft can cause the cutter blade damage!

Never touch the area around the cutter blade!



CAUTION!

Damage to the engine due to dust in the vehicle radiator!

Check the vehicle's radiator every hour!

If required, clean when the engine is switched off and the vents are stationary.





CAUTION!

Damage to the hydraulic system due to increased hydraulic oil temperature!

Check the oil coolant and hydraulic hoses every hour!

6.1 Vehicle operation

The operating elements of the vehicle shown below are required for working with the leaf vacuum machine.

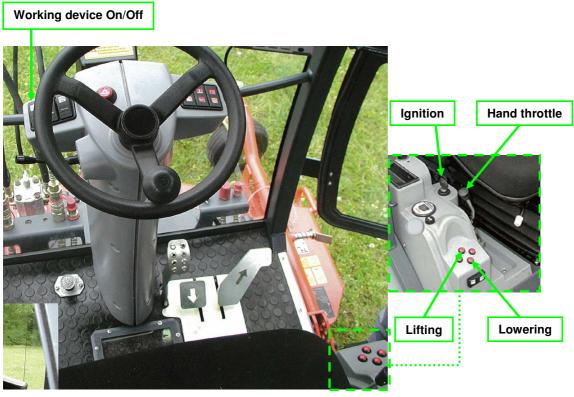


Fig. 6 Operating elements in the vehicle

Please read the operating handbook of the vehicle manufacturer for the exact functioning of the operating elements.

6.2 Operation of the working device

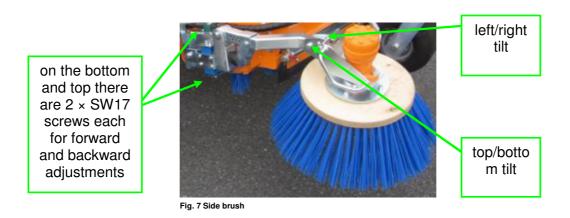
- by pressing the red buttons on the middle console, the device can be lifted/lowered.
- by briefly pressing the "Lower" button a lowering pulse is initiated
- the device can be completely lowered by a longer press on the "Lower" button

6.2.1 Side brush/pick-up shaft

- the side brush can be set in the desired work setting by using the screws
- the required rotational speed for the side brush/pick-up shaft can be set with the throttle valve
- the rotational speed of the brushes is the same as that of the pick-up shaft
- when setting the side brush, keep in mind that it must be positioned with a slight front and right tilt so that leaves and litter are not simply tossed around in a circle and are instead released after half a turn and picked up by the pick-up shaft
- in the travel direction, this vaguely represents one work cycle of the brush on the ground, between 12 and 3 o'clock
- the brush starts simultaneously with the pick-up shaft







6.2.2 Large object flap

by pressing the foot pedal in the vehicle, the flap for large objects is opened or closed



Fig. 8 Large object flap pedal

for detailed information, please read the operating handbook of the vehicle manufacturer

6.2.3 Collection container

for detailed information for operating the collector, please read the operating handbook of the vehicle manufacturer or the attached assembly

6.2.4 Transport on the vehicle

the leaf vacuum machine must be completely lifted and the side brush must be turned in the transport setting





Fig. 9 Transport setting

the maximum transport speed is 50km





7 Work on the machine

7.1 Adjusting the working height

- Setting the float position:
 - lower the leaf and litter vacuum machine by briefly pressing the "Lower" button
- set the brush roller on the chassis:
 - > for adjusting the working height, the vehicle must be positioned on a level place that is characteristically the place to be cleaned (sinking into moist ground is possible)
 - if the device has not been used before, the spacers must be distributed equally below or above the wheel bearings (see Section 4.3)
 - > then move the vehicle for a metre with the device
 - > now start the device and let it run for 10 secs.
 - > lift the device and reposition the vehicle
 - > the already processed surface must be clearly visible and should be visibly raked approx. 5mm deep

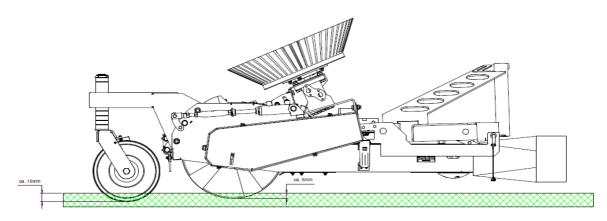


Fig. 10 Working height setting

if this is not possible, the spacers can be used to change the height upwards or downwards

7.2 Removing blockages



WARNING!

Risk of injury in the cutter blade area!

never touch the cutter channel with bare hands it is imperative to ensure that the leaf pick-up system can neither be turned hydraulically nor manually with the help of tools

Tough branches can cause blockages in the area of the suction hopper and collecting hose

- switch off the machine
- 2. switch off the ignition, secure the vehicle against toppling over



- open the access hatch
- 4. if required, uncouple the suction hopper
- 5. remove the blockage with a suitable tool and gloves
- 6. close and lock the access hatch
- couple the suction hopper again

7.3 Changing the cutter blader



WARNING!

Risk of injury in the cutter blade area!

Never hold the cutter with bare hands. For loosening and tightening, ensure that the cutter cannot turn; wear leather gloves!



IMPORTANT!

For working below the collector, the vehicle, including the working device must be jacked up, lifted or the device demounted with suitable tools and assembled as required.

The key for unlocking the access hatch must always be with the vehicle ignition key to ensure that it can only be opened when the ignition is off!

The cutter blade is replaced using a box spanner SW13 and medium tight screw tightening.

- 1. jack up, lift, position the vehicle over the work pit or bring the demounted device into the desired assembly position
- 2. turn off the engine, remove the ignition key, engage the parking brake, secure the vehicle against toppling over
- 3. open the lower access hatch, unlock the quick fasteners on the left and right
- 4. if required, also open the top hatch for a better view
- remove two screws SW13 each per blade

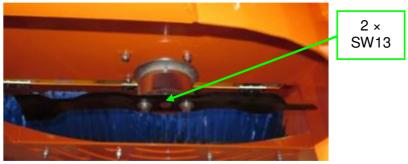


Fig. 11 Blade

- 6. remove blade
- 7. position new blade, keep in mind the correct position
 - → The blades are set according to the turning direction!
- 8. medium tighten two SW13 screws and re-tighten the blade
- 9. lock the access hatch, lock the quick fasteners







IMPORTANT!

For working below and in front of the collector, the vehicle plus the working device must be secured against toppling over using suitable supports!

7.4 Changing the pick-up shaft

Use open end spanners SW13, SW 17, SW 19, socket spanner SW19, assembly hoist, plastic hammer and a cleaning cloth for replacing the pick-up shaft.

7.4.1 Disassembly

1. loosen the hydraulic hose clamp at the side brush, 1 screw SW13



Fig. 12 Hydraulic hose cover

2. demount the side brush, 4 screws SW17, keep in mind the assembly position if required, mark with a marker, remove the brush sideways



Fig. 13 Demounting the side brush

3. remove the side cover to the right, 4 screws SW13

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Fig. 14 Right side cover





4. remove the side cover left, 4 screws SW13





Fig. 15 Left side cover

5. loosen the chain tensioner SW19



Fig. 16 Chain tensioner

6. remove the left flange bearing, 2 screws SW19, open the access hatch on top of it; if required, tap on the chain tensioner with a plastic hammer to loosen the flange bearing



2 safety nuts SW19 in the shaft housing

Fig. 17 left flange bearing

7. remove the right flange bearing and keep in the bearing housing, 2 × SW19

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Fig.18 right flange bearing

8. demount the sprocket wheel, 1 screw SW17



Fig. 19 Sprocket wheel

9. remove the sprocket wheel sideways, if required, use the installation handle



Fig. 20 Using the installation handle

10. sprocket wheel incl. the chain must be placed in the chain box



Fig. 21 Demounted sprocket wheel





7.4.2 Assembly

The assembly should take place in the exact reverse sequence of the disassembly with the same tools!

- place the pick-up shaft upwards with the assistance of another man from the bottom into the machine
- insert the 2 screws SW19 in the chain tensioner
- 3. position the sprocket wheel on the shaft
- 4. assembly of the sprocket wheel, 1 screw SW17
- place the right flange bearing and mount with 2 screws SW19
- 6. mount the left flange bearing, 2 screws SW19
- tighten the chain tensioner, 1 screw SW19
- 8. place the left housing cover and tighten, 4 screws SW13
- place the left housing cover and tighten, 4 screws SW13
- 10. position the side brush and, depending on the position (marking), tighten with 4 screws SW17
- 11. mount the hydraulic hose cover, 1 screw SW13



8 Maintenance and decommissioning



WARNING!

Damage to the leaf vacuum machine and damage to the environment!

Never operate in water or other liquids!



WARNING!

Risk of crushing in the lifting area of the leaf vacuum machine!

Maintenance and installation works must only be carried out when the turbine and the vehicle is switched off not operational, the vehicle is switched off and the hydraulic system is without pressure.

Make sure that the access hatch is locked!

It must always be secured while working below the device.



WARNING!

Changed handling and steering of the vehicle!

Do not exceed a speed of 5km/h during the vacuuming work!

The max. transport speed must not exceed 50km/h.



IMPORTANT!

The operation described in this section must be considered the minimum required in order to keep the leaf vacuum machine and the collector in good working order.

Depending on the work load, the operator must decide on the additional maintenance works.

8.1 Maintenance

8.1.1 Work before each use



WARNING!

Check the fastenings and secure before each use.



IMPORTANT!

Use and dispose of lubricants carefully!

- Check the connections to the undercarriage, chassis, side brushes and bearings for proper fastening
- check the status of the brush and, if required, adjust the depth
- check the status and tension in the drive chain (possible with the installed guard)
- check that all cutter blades are present and mounted properly
- check the hydraulic hoses and screw joints
- check the free movement of the steering wheel

8.1.2 Work after each use:

- there is a water connection "Gardena" on the top of the machine on the left and right
- if a water hose is connected to it, the interior area can be sprayed





- allow the blades and vacuum system to run when the water is being sprayed
- if this is not enough, open the access hatch and remove the deposits by hand or using a suitable tool; if required, spray from the inside, IN THIS CASE, SWITCH OFF THE **MACHINE!**

8.1.3 Weekly work, or every 30 operating hours:

- lubricate all the lubrication points on the pick-up shaft, large object flap and chassis with lithium softened commercial lubricant.
- Remove the guard on the chain drive. Check the chain tension, and if required reset.
- Protect the chain and open joints (e.g. side arm, undercarriage) with a suitable spray lubricant.
- Check the oil level of the hydraulic tank of the vehicle, determine the cause if the oil level is low and only fill with hydraulic oil as instructed in the operating instructions of the vehicle.



WARNING! Burning due to hot hydraulic oil!

Work on the hydraulic system may only be carried out when the hydraulic oil cools down and the hydraulic system is without pressure!

8.2 Decommissioning

8.2.1 Temporary decommissioning

The vacuum machine should be stored as mentioned below when it is decommissioned temporarily (e.g. during the winter months):

- disconnect the hydraulics
- clean the machine and protect with lubricants and grease
- position the machine on the floor and secure against toppling



IMPORTANT!

Cover with a weather-resistant tarpaulin when storing in the open!

8.2.2 Removal from service



IMPORTANT!

Only allow the manufacturer or another reliable specialist company to dispose of the machine to avoid possible environmental contamination.





I confirm herewith that I have been briefed about the machine before commissioning, and have read the operating instructions of the leaf vacuum machine and understood it.

Name	Date	Signature

Tab. 2 Briefing

Legal protection **FLA 1250 H**

Legal protection for the manufacturer

The operator is herewith informed that there are two access hatches in the machine.

Behind these are the pick-up shafts and the cutter blades of the machine.



WARNING! Risk of injury in the area of the shaft and the cutter blades!

Never touch the cutter channel with bare hands it is imperative to ensure that the leaf pick-up system can neither be turned hydraulically nor manually with the help of tools Switch off the ignition and hydraulics.

The access hatches can each be locked with a lock. This is for the operator's safety.

The operator must be instructed that the key for these access hatches must be on the keyring of the ignition key in order to ensure that the hatches can only be opened when the ignition is off.

If this is not followed, and there are accidents as a result, all liabilities of the manufacturer will be cancelled.

The operator must confirm this instruction with their signature and send a copy to the manufacturer.

Place Date	Signature of the operator

FLA 1250 H **Legal protection**

Legal protection for the manufacturer

The operator is herewith informed that there are two access hatches in the machine. Behind these are the pick-up shafts and the cutter blades of the machine.



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Place, Date	Signature of the operator

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