

Operating Manual

Henko 671 Brush Machine



Henko A&T B.V.

Graafschap Hornelaan 184, 6004 HT Weert,
The Netherlands
Tel: +31 (0)495 63 30 10, Fax: +31 (0)495 58 67 35
info@henko-at.nl, www.henko-at.nl

Introduction

Dear reader,

This operating manual provides all information for safe operation of the Henko 671 Brush Machine.

The Henko 671 Brush Machine has been designed and built in accordance with the state of the art and recognised safety rules and regulations. Nevertheless dangers for personnel or objects can occur, because not all danger zones can be avoided if the functionality is to remain intact. However you can prevent accidents due to these dangers by complying with the instructions in this operating manual. Moreover you will then be able to use the Brush Machine to its full capacity and avoid unnecessary disturbances.

CAUTION!

There is danger of injury and danger of material damage when assembling, operating, and maintaining the Brush Machine. Therefore:



- First read this operating manual carefully, prior to assembly and operation of the Brush Machine. Always comply with the instructions and information contained herein, particularly the safety instructions.
- If the operating manual is lost or in poor condition, request a new copy from the manufacturer (the same applies for parts of the operating manual).

This operating manual only applies for the Brush Machine specified on the cover sheet and at the end of every page. Compare this information with the information on the type plate of the Brush Machine.

After you have read the entire operating manual thoroughly for the first time, take good care of the operating manual over the entire service life of the Brush Machine, so that you can look up something later.

If you sell the Brush Machine, give this operating manual to the new owner.

All information, illustrations and dimensions in this operating manual are non-binding. No claims whatsoever can be derived from this information, illustrations or dimensions.

Reprinting or duplication of any type, including excerpts, requires the written permission of the manufacturer.

Conversion of, or changes to the Brush Machine are only permitted with the manufacturer's written consent. Unauthorised conversion voids any liability on the part of the manufacturer, as well as the guarantee.

Only use original spare parts and accessories that are approved by the manufacturer. Otherwise the design-specified characteristics of the Brush Machine, the functionality or the safety can be impaired. Consequently the use of other parts voids the liability for the ensuing consequences.

Contact your specialist dealer to order spare parts or accessories.

In addition comply with the instructions in the operating manual of the motor manufacturer. This is included in the sub-package for the Brush Machine.

Henko A&T B.V. assumes no liability for the content of the operating manual provided by the motor manufacturer.

Explanation of symbols, signs and direction indications

For better understanding, the following conventions are used for this operating manual:

1.

To emphasise important information, the following types of special notices are used:



DANGER!

- There is an imminent dangerous situation that results in death or serious injury if it is not avoided.
-



WARNING!

- There is a possible dangerous situation that can result in death or serious injury if it is not avoided.
-



CAUTION!

- There is a possible dangerous situation that can result in minor injury or material damage, if it is not avoided.
-



ATTENTION!

...indicates a possible dangerous situation that can result in material damage, if it is not avoided.



NOTE

...indicates useful tips and recommendations, as well as information for efficient and trouble-free operation.



...refers to important information in other sections and documents.

2.

Many texts serve a particular purpose. These texts are marked as follows:

- Listings.

⇒ Instructing text, e. g. a sequence of activities.

3.

In the text the sides of the Brush Machine are cited (left, right, front, rear). Left or right refers to the side that the operator of the machine sees viewed from the direction of travel. The Brush Machine of the machine is mounted in front, the steering arm is mounted in the rear.

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1 Safety

The basic prerequisite for safe and trouble-free operation of the Brush Machine is knowledge of the safety instructions and safety regulations.

Consequently read this chapter carefully all the way through and comply with the specified instructions and warnings. The safety instructions and warnings that you find at the appropriate point in the text of the following chapters must be complied with. The manufacturer cannot be made liable if the instructions and warnings are not complied with.

In addition to the instructions contained in this operating manual, the statutory regulations, particularly the safety and accident prevention regulations, must also be complied with.

1.1 Intended use

The Henko 671 Brush Machine may only be used to brush artificial grass, clean paths and surfaces that are paved with concrete, asphalt, paving stones or slabs outside of closed rooms.

Intended use also includes compliance with all the instructions in the operating manual.



DANGER!

If the Brush Machine is used for a use other than the use described above, dangerous situations can occur for people or material damage can occur.

Therefore:

- Only use the Brush Machine for its intended purpose.
 - Always comply with all the instructions in this operating manual.
 - Particularly refrain from the uses of the sweeping machine listed in section 1.2. They are considered non-intended use.
-

1.2 Non-intended use

Any use that deviates from that described in section 1.1, is considered non-intended use.

For example, non-intended use of the Brush Machine occurs when

- it is used to clean unpaved surfaces e.g. gravel paths,
- it is used to clean roofs or flat roofs,
- it is used in enclosed spaces, e.g. halls, or barns,
- it is used to transport persons or objects,
- it is used to move or carry objects or vehicles,
- it is operated in faulty condition or with safety-relevant faults,
- it is used without the safety cladding elements that are installed as standard equipment,
- unsuitable personnel are assigned to operate the sweeping machine.

1.3 Product observation

Notify us without delay if faults or problems occur when operating your Brush Machine, or if accidents occur or nearly occur.

Together with you we will find a solution to the problem and allow the knowledge gained to flow into our subsequent work.

1.4 Requirements imposed on the operator or personnel

Handling the Brush Machine is only permitted for persons,

- who are at least 16 years old,
- who are physically and mentally suited to do so,
- who have read and understood this operating manual, and
- from whom it is expected that they responsibly perform the tasks assigned to them.

Commissioning, maintenance, repair and disposal of the Brush Machine may only be executed by the specialist dealer or by persons with appropriate technical training and experience.

1.5 Danger zone

The danger zone is the area in which the safety or the health of persons is jeopardised. Consequently no one should be in this area when the Brush Machine is in operation.

WARNING!

For persons in the danger zone there is danger of injury due to collision with the Brush Machine and due to thrown up sweepings.



Therefore:

- Only operate the Brush Machine if no one is in the danger zone.
- Carefully observe the danger zone and stop the sweeping machine if persons enter the danger zone.

The danger zone is shown in the sketch (see Fig. 1, on the next page):

A top view of the Brush Machine is shown. The shaded area is the danger zone.

The danger zone on the right side and left side is determined through the width of the Brush Machine. Toward the front side of the Brush Machine the length of the danger zone is 5 m in front of the Brush Machine.



NOTE

When swinging the Brush Machine to the right or left this change in direction also applies for the danger zone.

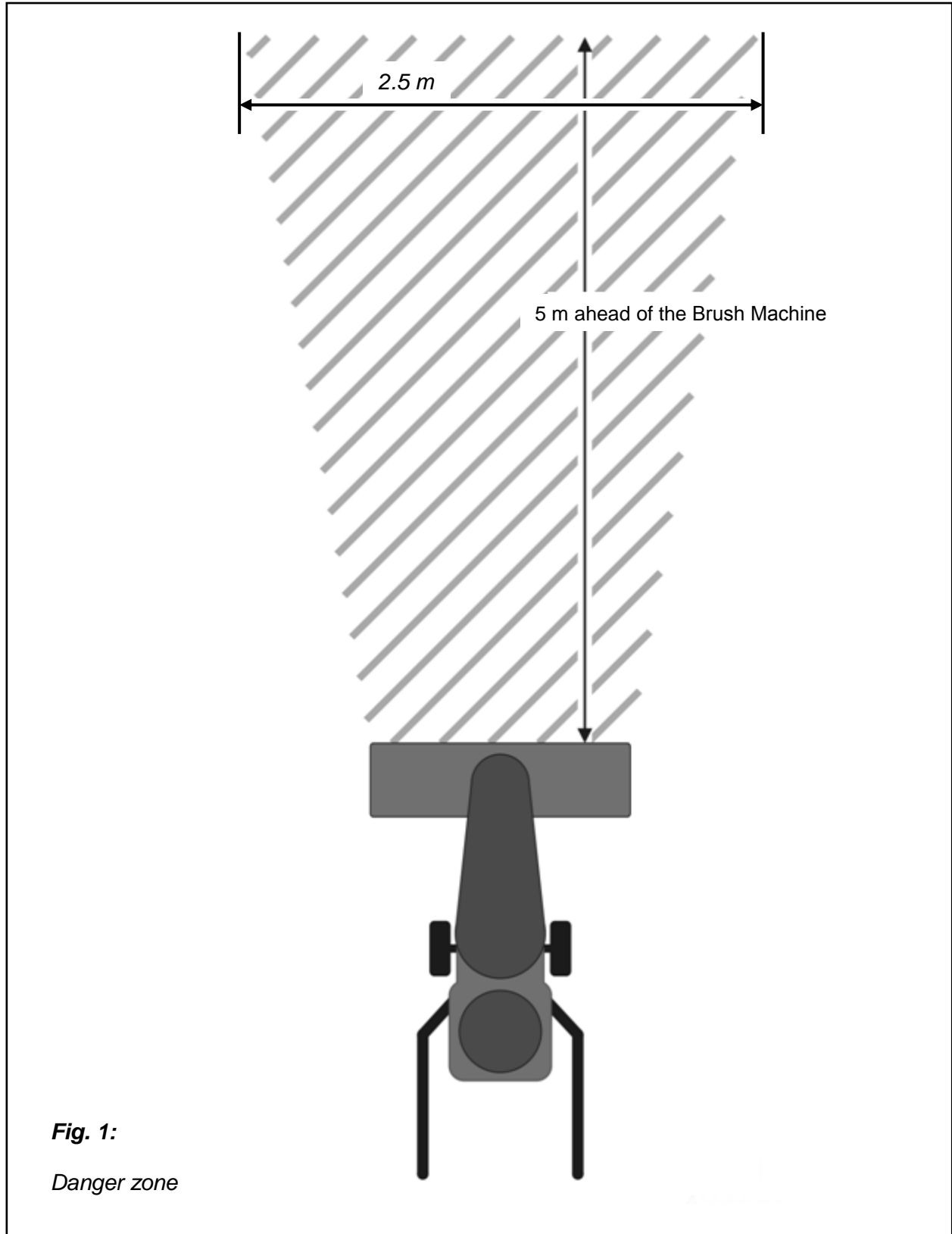


Fig. 1:

Danger zone

1.6 Work clothing



WARNING!

Unsuitable, loose work clothing, bandanas, ties, and scarves can be caught by the Brush Machine and pulled in.

Severe injuries are the result.

Therefore:

- When operating the Brush Machine, and for maintenance and repair tasks, always wear suitable tight-fitting work clothing.
-

Special protective clothing is not necessary for work with the Brush Machine. However always wear tight-fitting work clothing that cannot get caught in the Brush Machine, and that is appropriate for the respective weather, as well as sturdy shoes.

For commercial use the owner must ensure that suitable work clothing is selected and also worn.

1.7 Safety devices and protective devices

1.7.1 Safety switch

The switch levers for traction drive and rotation of the Brush Machine are designed as safety switches. By pressing down the switch levers on the steering arm handles, the traction drive and the rotation of the sweeping broom will be switched on. To bring the Brush Machine to a standstill, it suffices to release the switch levers.

1.7.2 Brush Machine deck

The Brush Machine deck is mounted like a protective sheet metal element above the sweeping brushes and prevents operating personnel from being hit by thrown up sweepings.

1.7.3 Protective cover

The belt drives in the interior of the Brush Machine are considered danger zones and are protected against access by the front protective cover and the housing.

1.8 Safety regulations and accident prevention regulations



Comply with the following instructions to avoid injury and material damage. In addition, for commercial use comply with the safety and accident prevention regulations issued by the Employers Liability Insurance Associations.

- Only operate the Brush Machine with properly mounted safety devices and protective devices (see section 1.7). These devices may only be dismantled for maintenance and repair tasks. After concluding these tasks the safety devices and protective devices must be immediately remounted. Otherwise there is significant danger of injury.
- Only use the Brush Machine for its intended use, otherwise dangerous situations can occur with serious or fatal injuries as the result (intended use: see section 1.1).
- Due to poor lightning conditions during operation a number of dangers can occur. Only operate the Brush Machine if there is adequate lighting.
- For sweeping tasks along walls there is danger of hand scrape injuries. Avoid touching the walls with your hands and wear protective gloves.
- Maintenance and repair tasks may only be executed by the specialist dealer or by specialised personnel.
- High voltage on the ignition cable and spark plug connector! Always switch the sweeper off with the fuel control lever, before performing tasks on the ignition cable or spark plug connector.
- Comply with the instructions on the safety stickers that are located on the Brush Machine. Safety stickers must not be removed. If they have become illegible or have been lost, they must be replaced (meaning of the stickers: see section 1.10). Contact your specialist dealer to order new stickers.
- Wear tight-fitting clothing. Long hair must be tied back.

- Do not operate the Brush Machine in faulty condition; significant injury hazards can occur. If faults occur switch off the Brush Machine and initiate the repair.
- Execution of the specified maintenance and repair tasks is part of intended use of the Brush Machine; intended use particularly includes compliance with the maintenance intervals. If you do not execute these tasks, faultless function cannot be ensured. Dangers for personnel and objects can occur. We recommend that you keep maintenance logs.
- Switch off the Brush Machine prior to performing repair tasks, including cleaning tasks. Ensure that no other person can restart the Brush Machine (e. g. pull off the spark plug connector). Otherwise there is danger of injury.
- Only use original spare parts and accessories that are approved by the manufacturer. The use of other parts voids the liability for the ensuing consequences.

1.9 Disposal

After its service life, only have qualified specialists dispose of the Brush Machine. The manufacturer assumes no liability for damage that occurs due to improper disposal.

1.10 Safety signs on the Brush Machine

Warning!





Danger of injury due to ignorance of the danger zones.

The stickers attached on the Brush Machine contain warnings of specific dangers as well as instructions for correct operation. The stickers supplement the instructions specified in this manual.

Therefore:

- Always comply with the warnings affixed on the sweeping machine.
- Do not remove any warning stickers
- Replace warning stickers that come off of the machine or that have already been lost.



Stickers	Meaning
	<p>Before using the Brush Machine, the operating manual must be read. All information contained in the operating manual must always be complied with.</p> <p>Position: On the rear of the machine in the operator's field of vision.</p>
	<p>Warning - general dangers.</p> <p>Position: On the rear of the machine in the operator's field of vision.</p>
	<p>Warning - hot surface.</p> <p>Position: On the motor.</p>
	<p>Warning - thrown up sweepings.</p> <p>Maintain distance.</p> <p>Position: On the rear of the brush deck.</p>

2 Description

The brush on this engine driven device is for brushing artificial grass both for installation and maintenance and has been especially designed and made to our own specifications.

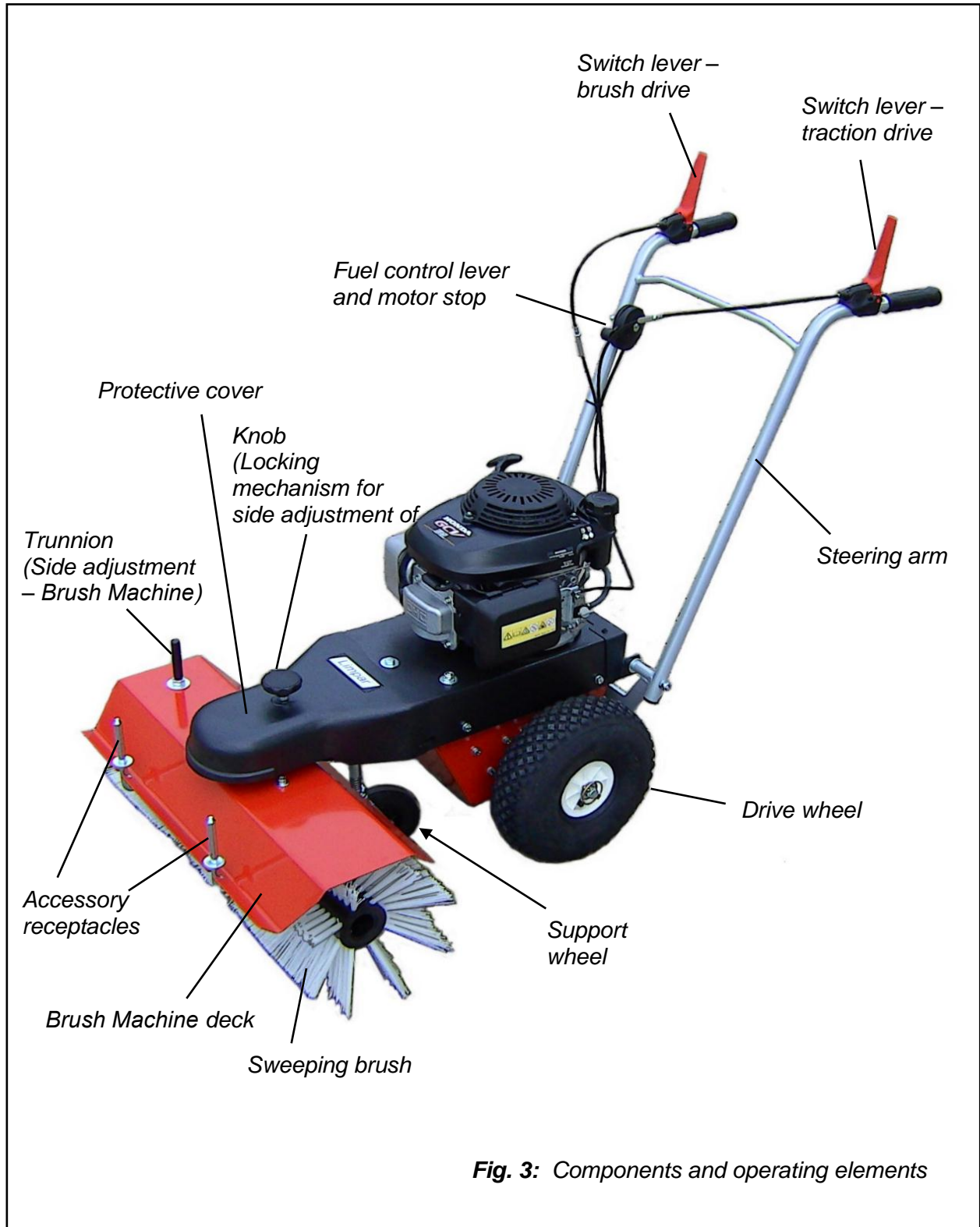
The special fibers in the brush prevent any damage to the artificial grass fibers in the turf while still performing the proper cleaning and comb action.

It will make the seams less visible, remove debris, comb the fibers, and brush the infill (if applicable).

The 4-stroke petrol engine requires little maintenance and is very economical. Wide handle- bars give good directional control and good grip.

Replacement brushes can also be ordered at Henko A&T B.V.

2.2 Overview



2.3 Technical data

Dimensions, weight, travel speed, motors	
Work width	70 cm
Brush diameter	25 cm
Weight	45 kg
Travel speed	3.3 km/h
Motor	Honda GCV 135 or Briggs & Stratton DOV

Hand/arm vibrations on the Brush Machine	
Vibration total value (Honda motors)	$a_{hwd} = 3.5 \text{ m}^{-2}$
Vibration total value (Briggs & Stratton motor)	$a_{hwd} = 3.3 \text{ m}^{-2}$

Noise emission value of the Brush Machine	
Sound power level (Honda motor)	$L_{WAd} = 95 \text{ dB(A)}/1\text{pW}$
Sound power level (Briggs & Stratton motor)	$L_{WAd} = 94 \text{ dB(A)}/1\text{pW}$
Sound pressure level at the operator's ear (Honda motor)	$L_{pAd} = 84.5 \text{ dB(A)}/20\mu\text{Pa}$
Sound pressure level at the operator's ear (Briggs & Stratton motor)	$L_{pAd} = 84 \text{ dB(A)}/20\mu\text{Pa}$

3 Commissioning

CAUTION!

Danger of injury and danger of material damage due to improper assembly of the Brush Machine.



Therefore:

- The completion and all necessary adjustments, incl. trial run are included in the scope of delivery and must be executed by the specialist dealer prior to transfer to the customer!

We recommend that two people assemble the Brush Machine.

3.1 Unpacking

- ⇒ Place the packed Brush Machine on a level floor
- ⇒ Open the box on the top
- ⇒ Cut open the 4 corners of the box to the floor.
- ⇒ Mount the drive wheels (see the assembly instructions for the drive wheels included as a separate sheet in the box, or at the end of this page)
- ⇒ Set up the steering arm in accordance with section 3.2 and roll the Brush Machine out of the packaging.
- ⇒ Dispose of the packaging in accordance with the waste disposal regulations issued by your municipal administration.

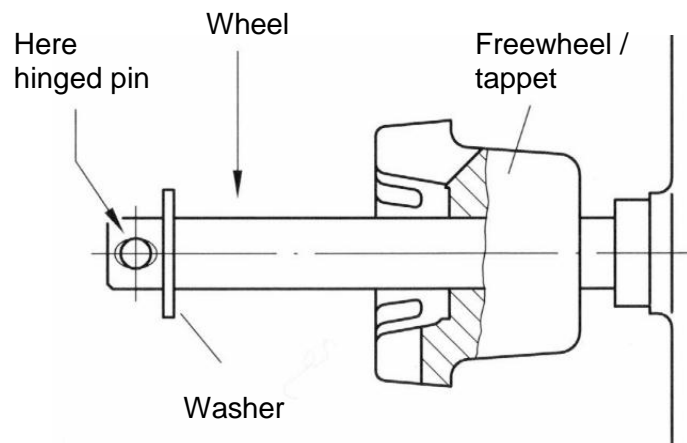


Fig. 4:
Assembly – drive wheels

3.2 Making the steering arm operational

The Henko 671 Brush Machine has an adjusting possibility for the height of the steering arm handles. A medium height that most users perceive as comfortable has been specified in the factory. The steering arm is folded forward for transport. To establish operational readiness the steering arm must be straightened up and bolted to a support bracket.

Task to be performed by the specialised workshop!

CAUTION!

Danger of injury and danger of material damage when raising the steering arm.

When lifting up the steering arm there is a crush hazard between steering arm and motor.

Bowden cables can be pinched and damaged when lifting up the steering arm.

Therefore:

- Carefully lift up the steering arm.
- When lifting up the steering arm pay attention to the Bowden cables.



Behind the rear wheel a support bracket is bolted onto the housing; it extends around the rear and has a bore that is aligned flush with a bore in the lower steering arm crossmember (see Fig. 5).

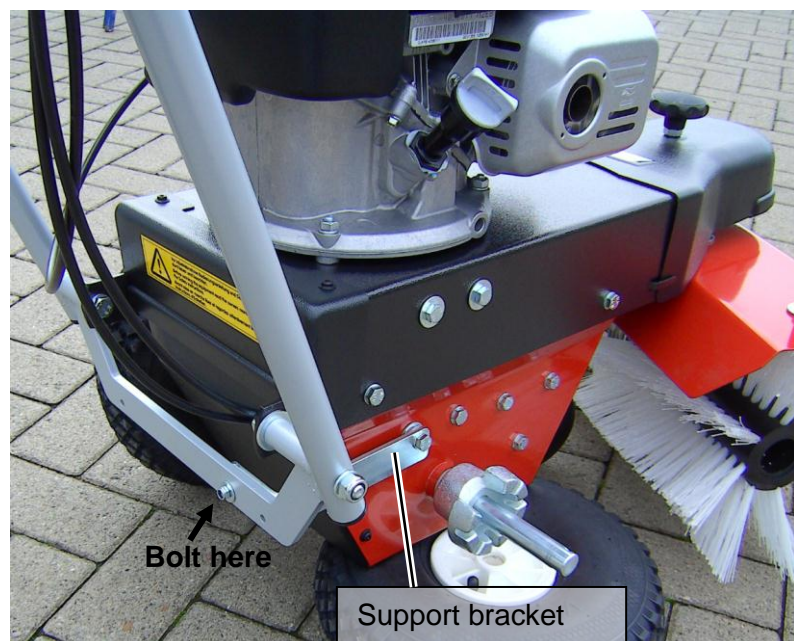


Fig. 5:
Steering arm fastening – lower

Use the pre-mounted M6 screw to fasten the steering arm on the support bracket. Washers must be placed under the screw head and under the stop nut.

See Fig. 6.



Fig. 6:
*Correct installation –
steering arm / support
bracket*

4 Operation



Prior to operation always read the instructions in the Safety chapter (see chapter 1)!

WARNING!

Danger of injury when operating the Brush Machine.

Thrown up sweepings can hit and injure persons in the danger zone.

Therefore:

- Ensure that no one is in the danger zone (see Fig. 1).
 - Only switch on traction drive and brush rotation after this has been done.
 - Always observe the danger zone during operation.
 - Stop the traction drive and brush rotation if people enter the danger zone during operation.
-



WARNING!

Life-threatening danger due to harmful sweepings.

When dealing with harmful sweepings (e. g. due to radioactive or biological contamination) there is danger of fatal illness due to inhalation of dust.

Therefore:

- Do not use the Brush Machine for harmful sweepings.
-



DANGER!

Life-threatening danger due to movements of the Brush Machine.

When operating the Brush Machine on slopes, the Brush Machine can start moving without control, due to gravity.

Therefore:



- For sweeping tasks on sloping terrain always bear in mind that there is a possibility of the machine rolling off.
 - Switch on the brush drive and use it as a brake.
 - If possible, guide the Brush Machine on slopes transverse to the direction of the slope.
 - Do not use the Brush Machine on terrain with a slope of more than 37% (20 degrees).
-

WARNING!

Danger of injury due to dismantled or non-functioning protective devices and safety devices.

If protection and safety devices are converted, bypassed or dismantled, they no longer fulfil their function.

Therefore:



- Do not convert or bypass protective devices and safety devices.
 - Always remount protective devices and safety devices (if removed, for example, for service and maintenance purposes).
-

CAUTION!

Danger of burn injuries on the motor at operating temperature.

Therefore:



- Do not touch the motor during operation.
-



CAUTION!

Danger of injury and danger of material damage if the Brush Machine is operated in faulty condition.

Therefore:

- Perform a visual inspection prior to each start of the sweeping machine.
 - Prior to each start check the operating elements for firm seat and function.
-



WARNING!

Danger of poisoning when operating the Brush Machine in closed rooms.

When operating the Brush Machine in closed rooms there is danger of poisoning due to exhaust gases and petrol fumes.

Therefore:

- Only operate the Brush Machine outside of closed rooms.
-



WARNING!

Danger of poisoning and danger of material damage when parking the hot Brush Machine in closed rooms.

When parking the hot Brush Machine in closed rooms there is danger of explosion due to petrol fumes.

Therefore:

- After operation let the Brush Machine cool down.
 - Only park it in a closed room after it has cooled down.
-



WARNING!

Danger of injury and danger of material damage if the Brush Machine is operated by unauthorised persons.

Therefore:

- After operation store the Brush Machine in a closed room.
-

4.1 Preparatory activities

4.1.1 Adjusting the height of the Brush Machine

The Brush Machine should be pressed in approx. 1.5 cm in operation.

- ⇒ Unscrew the lock nut and clamp screw on the height adjustment element for the support wheel (see Fig. 7)
- ⇒ Press or lift the brush deck to obtain the setting on the brush deck.
- ⇒ Fix the support wheel adjustment element in place with the clamp screw.

If you need help with the adjustment contact your specialised workshop.



Fig. 7: Support wheel with clamp screw (arrow)

4.1.2 Checking the motor oil level

Prior to each start of the motor, check the oil level (see the operating manual provided by the motor manufacturer in the sub-package for the Brush Machine).

4.1.3 Filling fuel

Prior to the first start of the motor, fill at least half full with fuel (see the operating manual provided by the motor manufacturer in the sub-package for the Brush Machine).

WARNING!

Danger of injury and danger of material damage if fuel is filled during operation.



When fuel runs over the hot motor and the exhaust, highly flammable gases occur.

Therefore:

- Switch off the motor (see section 4.2.2).
- Let the motor cool.
- Only top up with fuel after the motor has cooled.

4.2 Sweep operation



NOTE

We recommend that you always sweep in the wind direction. This prevents thrown up sweepings from hitting the operator or fouling the motor. For winter service in particular, the motor function can be impaired.

4.2.1 Starting the motor

- ⇒ Ensure that the spark plug connector has not been pulled off.
- ⇒ Open the fuel cock (if present, see the operating manual provided by the motor manufacturer in the sub-package for the Brush Machine).
- ⇒ Place the fuel control lever on “Max” (choke position).
- ⇒ Start the motor with a forceful pull on the starting rope.
- ⇒ After a few seconds set the fuel control lever back far enough that the motor no longer runs in choke, but in the full load range.

4.2.2 Stopping the motor

- ⇒ Slide the fuel control lever in the “Stop” direction until the motor switches off.
- ⇒ Close the fuel cock (if present).

4.2.3 Switching the traction drive on and off

CAUTION!

Danger of injury due to the machine falling when switching on traction drive.



When switching on traction drive the machine starts to move abruptly.

Therefore:

- Be aware of the abrupt start-up of the Brush Machine.
- Comply with the requirements imposed on operating personnel (See section 1.4).

-
- ⇒ Press the red lever on the left steering arm handle downward (see Fig. 3)

The Brush Machine starts up.

- ⇒ Release the red lever on the left steering arm handle.

The lever flips upward and the Brush Machine stops moving.

4.2.4 Switching the sweeping brushes on and off

CAUTION!

Danger of injury due to the machine falling when switching on the Brush Machine drive.



When switching on the Brush Machine drive the Brush Machine moves toward the operator.

Therefore:

- Bear in mind that the Brush Machine moves toward you when switching on the brush drive!

or:

- First switch on the traction drive of the Brush Machine, and then switch on the Brush Machine drive.
- Comply with the requirements imposed on operating personnel (See section 1.4).

⇒ Press the lever on the right steering arm handle downward (see Fig. 3)

The Brush Machine starts to rotate.

⇒ Release the lever on the right steering arm handle.

The lever flips upward, the rotation of the Brush Machine stops.

4.2.5 Side adjustment of the Brush Machine

To brush the sweepings to one side, the Brush Machine can be positioned diagonally.

- ⇒ Go to the front of the brush deck and pull out the knob that is above the protective cover until the catch is released (see Fig. 8).
- ⇒ Grasp the trunnion on the right side of the brush deck (Fig. 8) and swing the deck into the desired position.
- ⇒ Release the knob and move the brush deck a little bit further until the position engages.

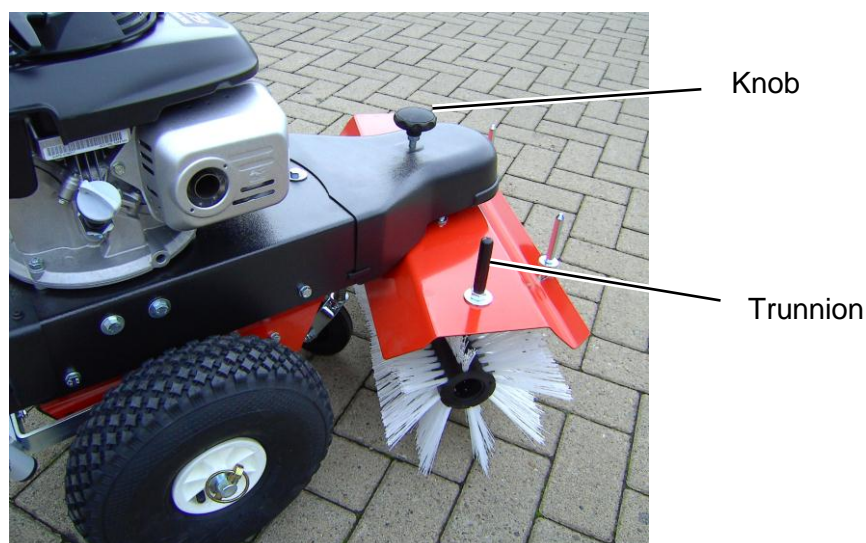


Fig. 8: Positioning the Brush Machine diagonally

5 Maintenance and repair



Execution of maintenance and repair tasks requires specialised skills and an equipped workshop. As the manufacturer we prescribe that these tasks must be performed in a qualified workshop!

5.1 Safety guidelines for maintenance and repair



Prior to maintenance always comply with the instructions in the “Safety” chapter as well (see chapter 1).

WARNING!

If other persons unexpectedly start up the Brush Machine, there are a number of injury hazards.

Therefore:

- Unplug the spark plug connector for maintenance tasks.



WARNING!

Danger of injury due to dismantled protective devices and safety devices.

If protective devices and safety devices are dismantled they no longer fulfil their function.

Therefore:

- Always remount protective devices and safety devices after they have been dismantled (for example, for service and maintenance purposes).



WARNING!

The Brush Machine poses significant hazards for non-specialised persons.

Therefore:

- Only have maintenance and repair tasks executed by the specialist dealer. This particularly applies for maintenance and repair tasks on the motor and V-belt drives.
-



DANGER!

Use of inferior-quality spare parts can result in injury and material damage.



The use of spare parts other than original spare parts or other than spare parts and accessories approved by the manufacturer voids the liability for the ensuing consequences.

Therefore:

- Only use original spare parts and accessories that are approved by the manufacturer.

ATTENTION!

Improper maintenance can damage the Brush Machine.



Therefore:

- Only have maintenance and repair tasks executed by the specialist dealer.
- This also applies for replacement of the Brush Machine.

5.2 Regular maintenance tasks

For maintenance tasks that affect the motor refer to the documentation provided by the motor manufacturer.

Contact your specialist dealer for maintenance tasks that must be executed by a specialist.

5.2.1 Maintenance schedule

Interval	Activity	see
Before each use	Check the motor oil level	Operating manual provided by the motor manufacturer
	Check the Bowden cables for ease of movement	5.2.3
	Visual inspection of the Brush Machine for damage, particularly ignition cable and spark plug connector	
	Check tyre pressure	5.2.4
as needed	Cleaning the Brush Machine	5.2.5
	Check and clean the air filter	5.2.6

5.2.2 Maintenance records

Enter the executed maintenance tasks in the table provided for this purpose. (See section 5.3.) This makes the maintenance history traceable.

For more extensive records concerning tasks performed on the Brush Machine we recommend that you keep a separate list.

5.2.3 Check the Bowden cables for ease of movement

WARNING!

Bowden cables that do not move easily can cause uncontrolled movements of the Brush Machine, severe injury and material damage.

Therefore:

- If the Bowden cables do not move easily, do not place the sweeping machine in service.
- Contact your specialist dealer and have the sweeping machine repaired.



Bowden cables for traction drive and brush drive

⇒ Press down the switch lever for traction drive.

You must be able to push down the switch lever to the steering arm handle with light resistance.

⇒ Release the switch lever for the traction drive.

The switch lever must spring back into its original position.

⇒ Repeat the procedure with the switch lever for the brush drive.

Have the repair performed by your specialist dealer if one or both switch levers are hard to move or do not spring back into their original position.

Bowden cable of the fuel control lever

⇒ Place the fuel control lever on “Max”.

⇒ Place the fuel control lever on “Min” and in this process observe the counter lever on the carburettor (see the operating manual provided by the motor manufacturer in the sub-package of the Brush Machine).

You must be able to move the fuel control lever with light resistance. The counter lever on the carburettor must follow the executed movement.

- ⇒ Have the repair performed by your specialist dealer if the Bowden cable does not function as described above.

5.2.4 Checking the tyre pressure

The inflatable tyres of the Brush Machine have conventional automobile valves.

- ⇒ Set the tyre presser of the drive wheels to 1.8 bar.

5.2.5 Cleaning the Brush Machine

ATTENTION!

Cleaning the Brush Machine with a high-pressure cleaner can damage the seals, bearings, and joints of the Brush Machine.

Therefore:

- Do not clean the Brush Machine with a high-pressure cleaner
-

Clean the Brush Machine as needed with a soft water spray and auto care agents.

5.2.6 Checking and cleaning the air filter

If you use the Brush Machine in a dusty environment, have your specialist dealer show you how to check the air filter.



5.3 Maintenance and repair verifications

Executed maintenance tasks		
Date	Signature	Comments / executed tasks

6 Decommissioning and preservation

Contact your dealer if you have questions concerning decommissioning and preservation.

7 Faults and fault correction



WARNING!

Danger of severe injury due to improper execution of repair tasks.

Therefore:

- Only have repair tasks performed by a specialised workshop.

If there are faults in the operation of the Brush Machine, proceed on the basis as specified in the fault table below. If there are faults that cannot be corrected based on the instructions and measures cited for fault correction, contact your specialised workshop.

Fault	Possible cause	Measures
The Brush Machine does not start up.	Fuel control lever is not in "Max" (choke) position.	Place the fuel control lever in the "Max" position.
	Spark plug connector is pulled off.	Fit on the spark plug connector.
	No fuel in the tank.	Fill with fuel.
	Gas cock is closed.	Open gas cock.
Often the sweeping roller sticks.	Bowden cable is not correctly adjusted.	Contact the specialist dealer.
The Brush Machine does not move straight ahead.	Air pressure varies in the tyres.	Correct the air pressure in the tyres.
	Freewheel units of the wheel drive do not work synchronously.	Synchronise the wheel drive through a short, forceful pull on the steering arm.

Henko A&T B.V.

Graafschap Hornelaan 184, 6004HT Weert, The Netherlands
Tel: +31 (0)495 63 30 10, Fax: +31 (0)495 58 67 35
info@henko-at.nl, www.henko-at.nl