



Register and win!
www.kärcher.com/register-and-win



  Please read and comply with these original instructions prior to the initial operation of your appliance and store them for later use or subsequent owners.

Contents

Safety instructions	EN	1
Function	EN	1
Proper use	EN	1
Environmental protection	EN	1
Warranty	EN	1
Operating and Functional Elements	EN	2
Before Startup	EN	3
Operation	EN	3
Shutting Down the Appliance	EN	4
Transport	EN	4
Storage	EN	4
Care and maintenance	EN	4
Frost protection	EN	5
Faults	EN	6
Accessory B 40	EN	7
Technical specifications	EN	8
EU Declaration of Conformity	EN	8
Spare parts	EN	8

Safety instructions

Before using the appliance for the first time, read and observe these operating instructions and the accompanying brochure: Safety information for brush cleaning units and spray-extraction units, No. 5.956-251.0.

The appliance may only be operated when the hood and all lids are closed. In dangerous situations, release the safety switch.

WARNING

Do not use the appliance on inclines.

Safety Devices

Safety devices serve to protect the user and must not be rendered in operational or their functions bypassed.

Safety Switch

If the safety switch is released, the brush drive shuts off.

Hazard levels

DANGER

Pointer to immediate danger, which leads to severe injuries or death.

WARNING

Pointer to a possibly dangerous situation, which can lead to severe injuries or death.

CAUTION

Pointer to a possibly dangerous situation, which can lead to minor injuries.

ATTENTION

Pointer to a possibly dangerous situation, which can lead to property damage.

Function

The scrubber vacuum is used for wet cleaning or polishing of level floors.

- Rotating roller or disc brushes clean the floor while adding detergent. The contaminated cleaning liquid is suctioned into the wastewater reservoir.
- The appliance can be easily adjusted to the cleaning task by setting the water quantity.
- Depending on the selected cleaning head, the working width of the B 40 is between 430 mm and 550 mm.
- Power supply operation allows a high capacity without a restriction of the working time.

Note:

The appliance can be equipped with various accessories depending on the cleaning task.

Please request our catalogue or visit us on the Internet at www.kaercher.com.

Proper use

Use this appliance only as directed in these operating instructions.

- The appliance may only be used for the cleaning of hard surfaces that are not sensitive to moisture and polishing operations.
- The appliance is not suited for the cleaning of frozen grounds (e.g. in cold stores).
- The appliance may only be equipped with original accessories and spare parts.
- The appliance is not suited for the use in potentially explosive environments.
- The machine should not be used to suck in inflammable gases, undiluted acids or solvents.

This includes petrol, thinning agents or hot oil that can form an explosive mixture when it comes in contact with sucked air. Do not use acetone, undiluted acids and solvents as they are aggressive towards the materials from which the appliance is made.

- The machine has been approved for use on surfaces with max. gradients as listed under "Technical Specifications".

Environmental protection



The packaging materials are recyclable. Please do not throw packaging in the domestic waste but pass it on for recycling.



Old units contain valuable recyclable materials. Batteries, oil and similar substances may not be released into the environment.

Therefore please dispose of old units through suitable collection systems.

Notes about the ingredients (REACH)

You will find current information about the ingredients at:

www.kaercher.com/REACH

Warranty

The warranty terms published by our competent sales company are applicable in each country. We will repair potential failures of your accessory within the warranty period free of charge, provided that such failure is caused by faulty material or defects in fabrication. In the event of a warranty claim please contact your dealer or the nearest authorized Customer Service center. Please submit the proof of purchase.

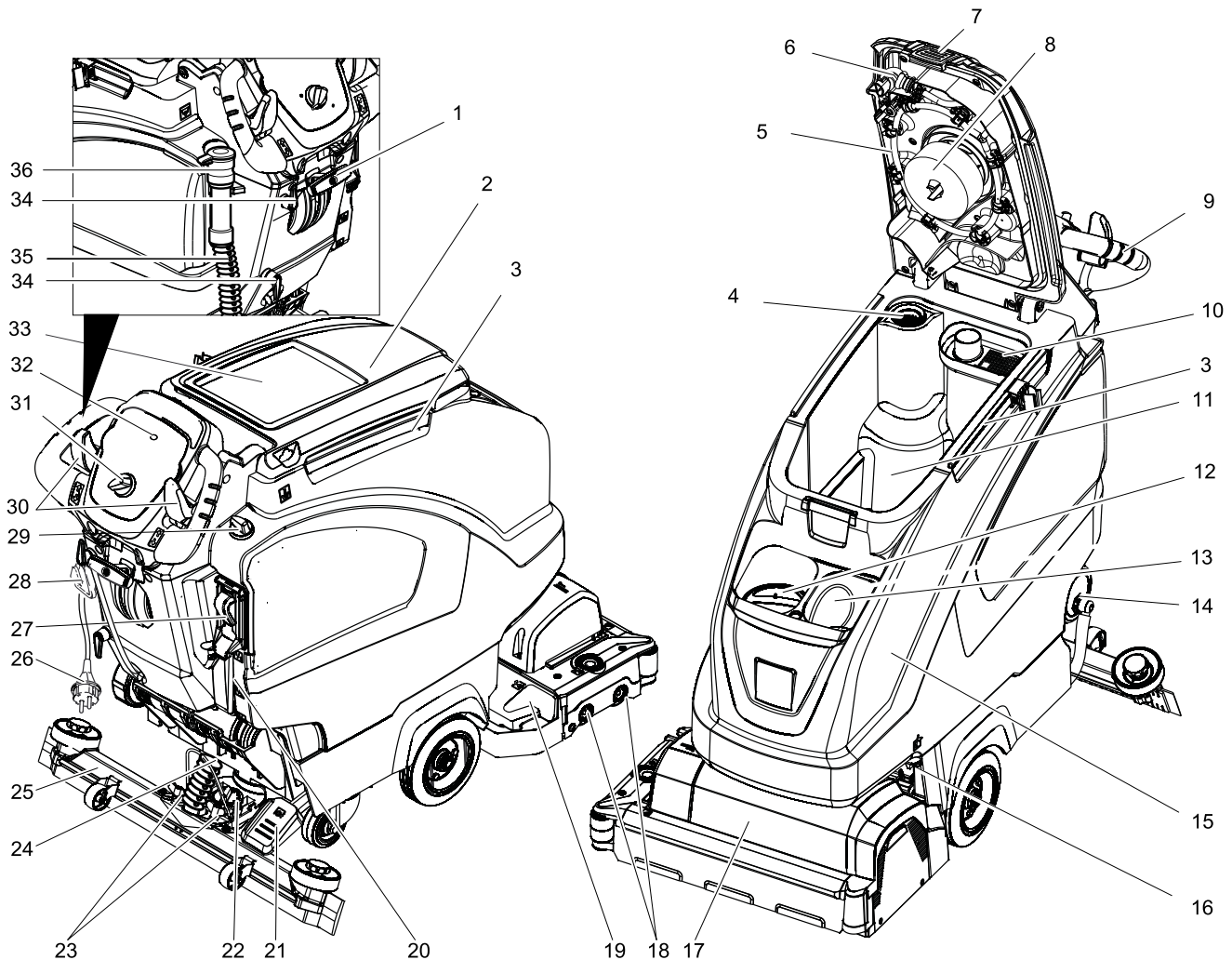


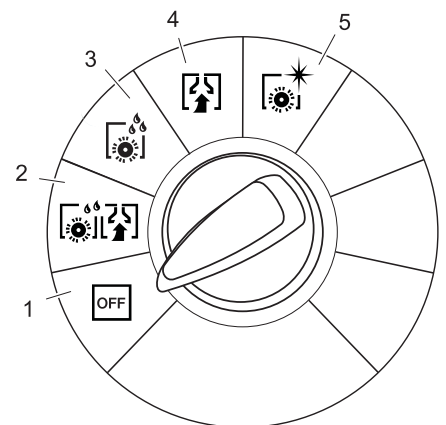
Illustration of scrubbing vacuum

- | | |
|---|--|
| <ul style="list-style-type: none"> 1 Vacuum bar lowering lever 2 Cover waste water tank 3 Holding rail for home base 4 Fluff filter 5 Wastewater reservoir rinsing system (option) 6 Flexible lock of rinsing system (option) 7 Lock of waste water tank 8 Float 9 Push handle 10 Coarse dirt sieve 11 Waste water tank 12 Fresh water reservoir filler neck 13 Detergent bottle holder 14 Lock of the fresh water reservoir with filter 15 Fresh water tank 16 Locking the tank
Secured with an additional plate and a screw 17 Cleaning head * 18 Brush rollers (R-Cleaning head)
Disk brush (D cleaning head) 19 Waste container (only BR) 20 Fresh water level display 21 Pedal for raising/ lowering the cleaning head 22 Rotary handle to incline the vacuum bar 23 Wing nuts for fastening the vacuum bar 24 Suction hose 25 Vacuum bar * | <ul style="list-style-type: none"> 26 Mains cable with mains plug 27 Automatic fill of fresh water reservoir (option) 28 Strain relief clamp 29 Water quantity regulator 30 Safety button 31 Program selection switch 32 Fuse for brush drive 33 Storage surface for cleaning set "Home base box" 34 Cable hook 35 Dirt water discharge hose 36 Dosing equipment for dirt water <p>* not included in the delivery</p> |
|---|--|

Colour coding

- The operating elements for the cleaning process are yellow.
- The controls for the maintenance and service are light gray.

Program selection switch



- 1 **OFF**
Device is switched off
- 2 **Normal mode**
Wet clean the floor and vacuum up dirt water.
- 3 **Intense mode**
Wet clean the floor and allow the detergent to react.
- 4 **Vacuum mode**
Suck in the dirt fleet.
- 5 **Polishing mode**
Polishing the floor without the application of liquid.

Before Startup

Installing the Brushes

BD model

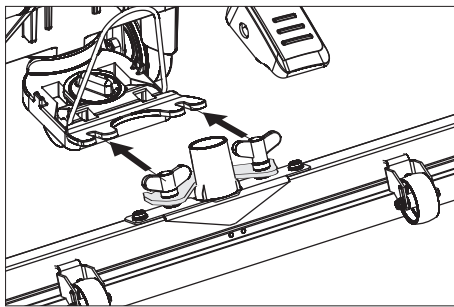
The disc brush must be installed before the initial operation (see "Maintenance work").

BR model

The brushes are mounted.

Installing the Vacuum Bar

- Insert the vacuum bar into the vacuum bar suspension in such a manner that the profiled sheet is positioned above the suspension.
- Tighten the wing nuts.



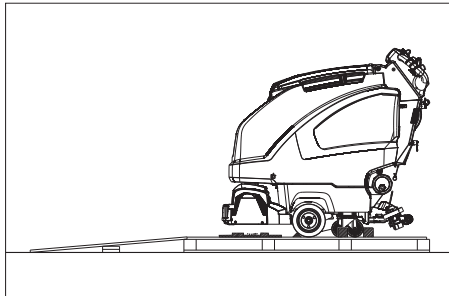
- Insert the suction hose.

Unloading

⚠ DANGER

Risk of injury! Rotate the programme selector switch to "OFF" to immediately switch off all functions of the machine.

- Place long lateral boards of the packaging as a ramp next to the pallet.



- Fix the ramp on the pallet with nails.
- Place short boards as a support underneath the ramp.
- Remove the wooden bars in front of the wheels.
- Lift the cleaning head by pressing the pedal all the way down.
- Push down the appliance through the ramp from the pallet.

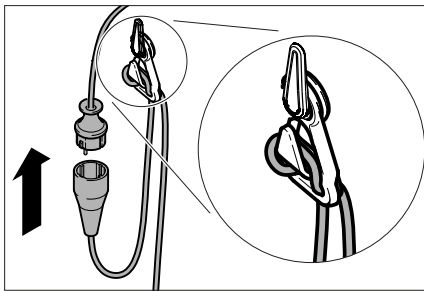
Operation

⚠ DANGER

Risk of injury. Push the pedal for raising/lowering the cleaning head with one foot only. The other foot must firmly be placed on the floor.

In dangerous situations, release the safety switch.

Electrical connection



- Insert the looped end of the extension cable in the strain relief hook.
- Plug in the mains plug.

Filling in detergents

Fresh water

- Open the lock of the fresh water reservoir.
- Fill up fresh water (maximum 50 °C) until the lower edge of filling nozzle.
- Close the lock of the fresh water reservoir.

With automatic fill of fresh water reservoir (option)

- Connect the hose to the automatic filling system and open the water supply (max. 50 °C, max. 5 bars).
- Monitor the appliance - the automatic filling system will interrupt the water supply when the tank is full.
- Shut off the water supply and disconnect the hose from the appliance.

Detergent

⚠ WARNING

Risk of damage. Only use the recommended detergents. With other detergents, the operator bears the increased risk regarding the operational safety and danger of accident. Only use detergents that are free from solvents, hydrochloric acid and hydrofluoric acid. Follow the safety instructions for using detergents.

Note:

Do not use highly foaming detergents.

Recommended detergents:

Application	Detergent
Routine cleaning of all water resistant floors	RM 746 RM 780
Routine cleaning of glossy surfaces (e.g. granite)	RM 755 es
Routine cleaning and basic cleaning of industrial floors	RM 69 ASF
Routine cleaning and basic cleaning of fine stoneware tiles	RM 753
Routine cleaning of tiles in sanitary areas	RM 751
Cleaning and disinfection in sanitary areas	RM 732
Removal of coating from all alkali-resistant floors (e.g. PVC)	RM 752
Removal of coating from linoleum floors	RM 754

- Add the detergent to the fresh water reservoir.

Setting the water quantity

- Adjust the water quantity using the regulating button according to the dirt on the floor covering.

Note:

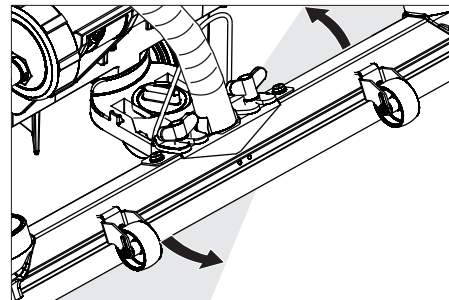
Carry out initial cleaning attempts with low water volume. Increase water volume step-by-step until the desired cleaning result is achieved.

Setting the Vacuum Bar

Oblique position

To improve the vacuuming result on tiled floors the vacuum bar can be turned to an oblique position of up to 5°.

- Loosen the wing nuts.
- Turn the vacuum bar.



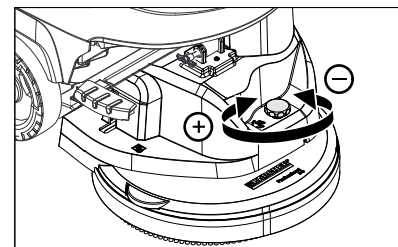
- Tighten the wing screws.

Inclination

If the vacuum result is unsatisfactory the inclination of the straight vacuum bar can be modified.

- Adjust the rotary handle to incline the suction bar.

Setting the Advance Speed (BD cleaning head only)



- Reducing the speed: Turn the button in "-" direction.
- Increasing the speed: Turn the button in "+" direction.

Cleaning

ATTENTION

Risk of damage to the floor covering. Do not operate the appliance on the spot.

Note:

The device is designed and built in such a way that the cleaning head protrudes towards the right. This enables working in a comfortable way close to the edges.

- Turn the program selection switch to the desired cleaning program.

Lower the cleaning head

- Press the pedal for lowering the cleaning head downwards slightly and then move it to the left. This unlocks the pedal. Release the pedal slowly upwards. The cleaning head is lowered.

Note:

The brush motor comes to a halt when the machine stops and when there is overload.

Lower the vacuum bar

- Pull the lever out and press it down; the vacuum bar is lowered.

Note:

For cleaning tiled floors, adjust the straight suction bar in such a way that cleaning is not done at an angle of 90 degrees to the joints.

The inclined position and the inclination of the suction bar can be adjusted to achieve better suction results (see "Adjusting the suction bar").

If the wastewater reservoir is full, the floater will close the suction opening and the suction turbine will run at a higher speed. If this is the case, shut the vacuum off and drive to empty the wastewater reservoir.

Shutting Down the Appliance

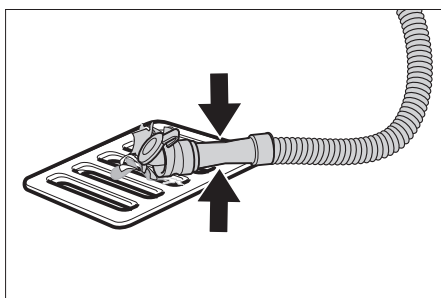
- Close the regulatory button for setting the water quantity.
- Release the safety switch.
- Set the program selection switch to suction or vacuuming.
- Lift the cleaning head.
- Briefly drive forward and suck of the remaining water.
- Raise the vacuum bar.
- Disconnect the main plug from the socket.

Drain off dirt water

⚠ WARNING

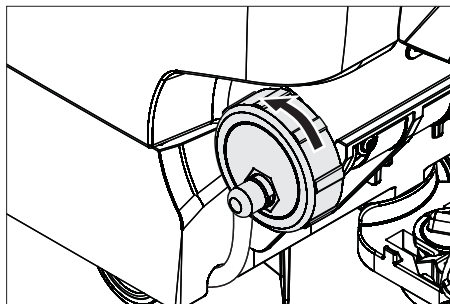
Please observe the local provisions regarding the wastewater treatment.

- Take the water discharge hose from the support and lower above a suited collection device.



- Crush or bend the dosing equipment.
- Open the lid of the dosing equipment.
- Drain off the dirt water - regulate the water quantity by pressing or bending.
- Rinse the waste water tank with clean water or with the rinsing system for the waste water tank (option).

Drain off clean water



- Loosen the lid for emptying the fresh water - do not remove it fully. Drain water.
- To rinse the fresh water reservoir, remove the cover completely and remove the fresh water filter.

Transport

⚠ DANGER

Risk of injury! When loading or unloading the machine, it may only be operated on gradients up to the maximum value (see "Technical Specifications"). Drive slowly.

⚠ CAUTION

Risk of personal injury or damage! Mind the weight of the appliance during transport.

- Raise the cleaning head to avoid damage to the brushes.
- Remove the brush to avoid damage to the brushes.
- When transporting in vehicles, secure the appliance according to the guidelines from slipping and tipping over.

Storage

⚠ CAUTION

Risk of personal injury or damage! Consider the weight of the appliance when storing it.

This appliance must only be stored in interior rooms.

Care and maintenance

⚠ DANGER

Risk of injury!

First remove the mains plug before doing any job on the device

- Drain and dispose of the dirt water and the residual fresh water.

Maintenance schedule

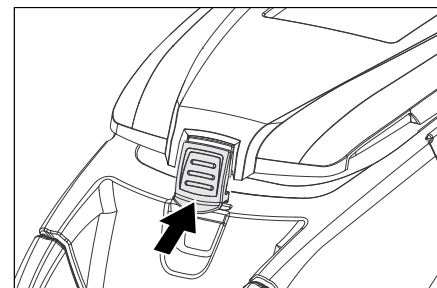
After each operation

ATTENTION

Risk of damage. Do not sluice the appliance with water and do not use aggressive detergents.

- Drain off dirt water.
- Rinse the waste water tank with clean water or with the rinsing system for the waste water tank (option).
- Remove the coarse dirt sieve from the waste water tank and clean it.
- Clean the outside of the appliance with a damp cloth which has been soaked in mild detergent.
- Check the fluff filter, clean if required.
- Only BR model: Remove bulk waste container and empty it.

- Only BR model: Clean water distributor channel (see section „Maintenance work“).
- Clean the vacuum lips and the wiping lips, check for wear and replace if required.
- Check the brushes for wear, replace if required.
- Press the lock of the waste water tank in and close the cover of the waste water tank so that a gap remains open to facilitate drying.



Monthly

- Clean the seals between waste water tank and cover and check for tightness, replace if required.
- Clean the brush tunnel (only BR model).

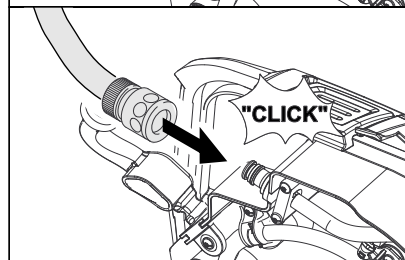
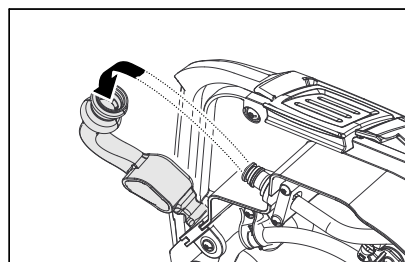
Yearly

- Have the prescribed inspection carried out by the customer service.

Maintenance Works

Waste water tank rinsing system (option)

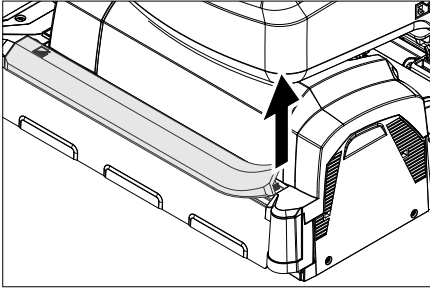
- Take the dirt water discharge hose from the support and lower above a suited collection device.
- Open the lid of the dosing equipment.
- Open the cover of the waste water tank.
- Pull the flexible lock off of the rinsing system.
- Connect the water hose to the rinsing system.



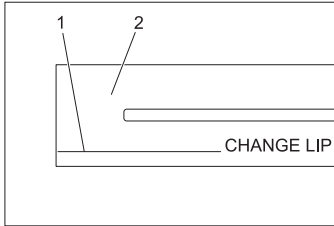
- Close the cover of the wastewater reservoir until it rests on the flexible lock.
- Open the water supply and rinse the wastewater reservoir for about 30 seconds. Repeat the rinsing process 2 to 3 times.
- Shut off the water supply and disconnect the hose from the appliance.

Clean water distribution channel

- Remove the rubber strip and clean the channel with a cloth. After cleaning, replace the rubber strip evenly.



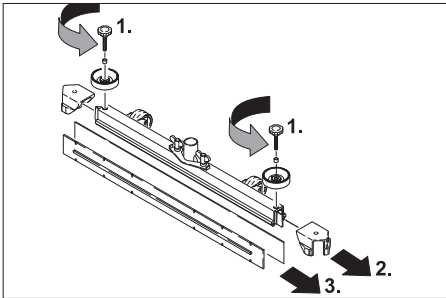
Replace or turn vacuum lips



- 1 Wear indicator
- 2 Vacuum lip

The vacuum lips must be replaced or reversed if they are worn down to the wear indicator.

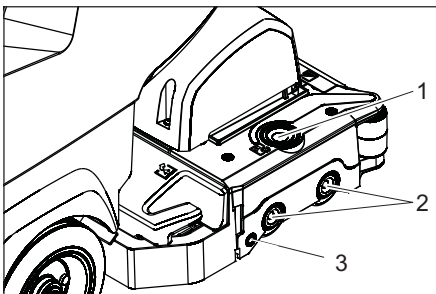
- Remove the vacuum bar.
- Unscrew the star grips.



- Remove the plastic parts.
- Remove the vacuum lips.
- Insert new or reversed vacuum lips.
- Insert the plastic parts.
- Screw in and tighten the star grips.

Replacing the brush rollers

- Lift the cleaning head.



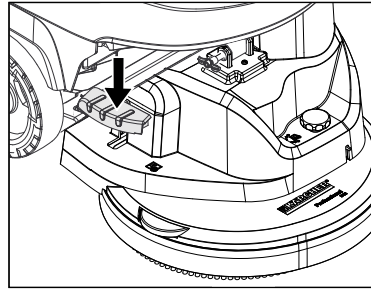
- 1 Unlocking key, storage cover
- 2 Brush
- 3 Push button

- Press the release button of the storage cover.
- Swivel the storage cover to the side.
- Pull out the brush rollers.

- Insert new brush rollers.
- Swivel the storage cover back and press it closed on the push button.

Replacing the disk brushes

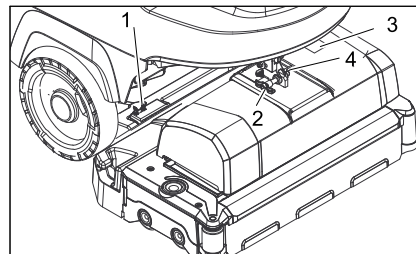
- Lift the cleaning head.
- Press the pedal for changing the brushes downward beyond its resistance.



- Pull the disc brush out of the side below the cleaning head.
- Hold the new disc brush under the cleaning head, push upward and lock.

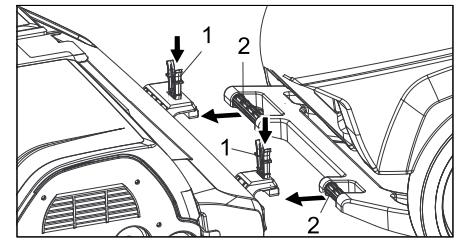
Install cleaning head

- Push the appliance forward about 2 m so that the steering rollers point toward the rear.
- Press the pedal for lowering the cleaning head downwards slightly and then move it to the left. This unlocks the pedal. Release the pedal slowly upwards. The lift arm of the cleaning head will be lowered.
- **Unlock water reservoir:** First, loosen the screw and sheet metal plate on the side lock.
- The, unlock the water reservoir lock and swivel the reservoir upwards.



- 1 Spring element
- 2 Locking pin
- 3 Terminal strip cover
- 4 Lock of safety pin

- Place the cleaning head halfway in front of the appliance.
- Remove the terminal strip cover.
- Connect the mains supply cable of the cleaning head to the appliance.
- Attach the terminal strip cover.
- Connect the hose couplers on the cleaning head to the hose on the appliance.



- 1 Spring element
 - 2 Push handle
- Insert the push bow into the cleaning head intake.
 - Push the spring elements down and lock them into place.
 - Align the lift arm of the cleaning head with the intake on the top side of the cleaning head.
 - Insert the safety pin and lock it into place.
 - Swivel the water reservoir all the way down, check the lock.
 - Additionally secure the lock with the screw and the sheet metal plate.

Dismantling the cleaning head

The removal will take place in the opposite order of the installation.

Maintenance contract

To ensure a reliable operation of the appliance maintenance contracts can be concluded with the competent Kärcher sales office.

Frost protection

In case of danger of frost:

- Empty the fresh and waste water tank.
- Store the appliance in a frost-protected room.

Faults

⚠ DANGER

Risk of injury!

First remove the mains plug before doing any job on the device

➔ Drain and dispose of the dirt water and the residual fresh water.

In case of faults that cannot be remedied using the table below please contact the customer service.

Fault	Remedy
Appliance cannot be started	Insert the mains plug into a socket.
	Check power supply of the socket.
Insufficient water quantity	Check fresh water level, refill tank if necessary.
	Increase the water volume on the regulating knob for water volume.
	Unscrew the lock of the fresh water reservoir. Remove and clean the fresh water filter. Insert the filter and screw in the lock.
	Remove the water distribution strip from the cleaning head and clean water canal (only R cleaning head).
	Check hoses for blockages; clean if required.
Insufficient vacuum performance	Clean the seals between waste water tank and cover and check for tightness, replace if required.
	Wastewater reservoir is full; shut off the appliance and empty the wastewater reservoir
	Clean the fluff filter.
	Clean the vacuum lips on the vacuum bar, replace if required
	Check suction hose for blockages; clean if required.
	Check the suction hose for tightness; replace if required.
	Check if the cover on the dirt water discharge hose is closed
	Check the setting of the vacuum bar.
Insufficient cleaning result	Check the brushes for wear, replace if required.
Brushes do not turn	Check if foreign matters block the brushes; remove foreign matter if required.
	Reset fuse of brush drive.
Vibrations during cleaning	You might need to use softer brushes.

Accessory B 40

BR appliance B 40 (brush roller accessories)

Description	Part no.: Working width 450 mm	Part no.: Working width 550 mm	Description	Packaging unit	Appliance requires
Brush roller, red (medium, standard)	4.762-392.0	4.762-393.0	Also for regular cleaning of heavily dirtied floors.	1	2
Brush roller, white (soft)	4.762-405.0	4.762-409.0	For polishing and cleaning sensitive floors.	1	2
Brush roller, orange (high/ low)	4.762-406.0	4.762-410.0	For scrubbing structured floors (safety tiles, etc.).	1	2
Brush roller, green (hard)	4.762-407.0	4.762-411.0	For thoroughly cleaning heavily dirtied floors and for removing the coating (for e.g. of wax, acrylate).	1	2
Brush roller, black (very hard)	4.762-408.0	4.762-412.0		1	2
Pad roller shaft	4.762-413.0	4.762-415.0	For intake of roller pads.	1	2
Roller pad, white (very soft)	6.367-108.0	6.369-735.0	For cleaning and polishing sensitive floorings.	1	2
Roller pad, yellow (soft)	6.367-105.0	6.369-732.0	For polishing floors.	1	2
Roller pad, red (medium)	6.367-107.0	6.369-734.0	For cleaning slightly dirtied floors.	1	2
Roller pad, green (hard)	6.367-106.0	6.369-733.0	For cleaning normal to heavily dirtied floors.	1	2

BD appliances B 40 (disc roller accessories)

Description	Part no.: Working width 430 mm	Part no.: Working width 510 mm	Description	Packaging unit	Appliance requires
Disk brush, natural (white)	4.905-023.0	4.905-027.0	For polishing floors.	1	1
Disk brush, white	4.905-024.0	4.905-028.0	For polishing and cleaning sensitive floors.	1	1
Disk brush, red (medium, standard)	4.905-022.0	4.905-026.0	For cleaning slightly dirtied or sensitive floors.	1	1
Disk brush, black (hard)	4.905-025.0	4.905-029.0	For cleaning heavily dirtied floors.	1	1
Driver plate pad	4.762-533.0	4.762-534.0	For intake of pads.	1	1

BR/BD appliances B 40 (vacuum bar accessories)

Description	Part no.: Working width 850 mm	Description	Packaging unit	Appliance requires
Rubber lip, blue	6.273-213.0	Standard	pair	1 pair
Rubber lip, transparent, grooved	6.273-207.0	oil-resistant	pair	1 pair
Rubber lip, transparent	6.273-229.0	Non-scarring	pair	1 pair
Rubber lip, transparent	6.273-290.0	For difficult floors	pair	1 pair
Vacuum bar, straight	4.777-401.0	Standard	1	1
Vacuum bar, bent	4.777-411.0	Standard	1	1

Technical specifications

	BR appliance B 40		BD appliance B 40		
	R 45 Working width 450 mm	R 55 Working width 550 mm	D 43 Working width 430 mm	D 51 Working width 510 mm	
Power					
Nominal voltage	V	230-240 1~50 Hz			
Average power consumption	W	1400			
Suction engine output	W	500			
Brush engine output	W	800			
Vacuuming					
Vacuum power, air volume (max.)	l/s	25	22		
Vacuuming power, negative pressure (max.)	mbar / kPa	120/12,0	115/11,5		
Cleaning brushes					
Brush speed	1/min	1100	180		
Dimensions and weights					
Theoretical surface cleaning performance	m ² /h	1800	2200	1800	2200
Slope max.	%	2			
Fresh/waste water tank volume	l	40/40			
Max. water temperature	°C	50			
max. water pressure	MPa (bar)	0,5 (5)			
Net weight (transport weight)	kg	94			
Total weight (ready to operate)	kg	134			
Values determined as per EN 60335-2-72					
Total oscillation value	m/s ²	0,3			
Uncertainty K	m/s ²	0,1			
Sound pressure level L _{pA}	dB(A)	69			
Uncertainty K _{pA}	dB(A)	2			
Sound power level L _{WA} + Uncertainty K _{WA}	dB(A)	86			

Subject to technical modifications!

EU Declaration of Conformity

We hereby declare that the machine described below complies with the relevant basic safety and health requirements of the EU Directives, both in its basic design and construction as well as in the version put into circulation by us. This declaration shall cease to be valid if the machine is modified without our prior approval.

Product: Floor cleaner

Type: B 40 Ep

Relevant EU Directives

2006/42/EC (+2009/127/EC)

2014/30/EU

Applied harmonized standards

EN 55014-1: 2006+A1: 2009+A2: 2011

EN 55014-2: 2015

EN 60335-1

EN 60335-2-72

EN 61000-3-2: 2014

EN 61000-3-3: 2013

EN 62233: 2008

Applied national standards

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The signatories act on behalf of and with the authority of the company management.


H. Jenner
Chairman of the Board of Management


S. Reiser
Director Regulatory Affairs & Certification

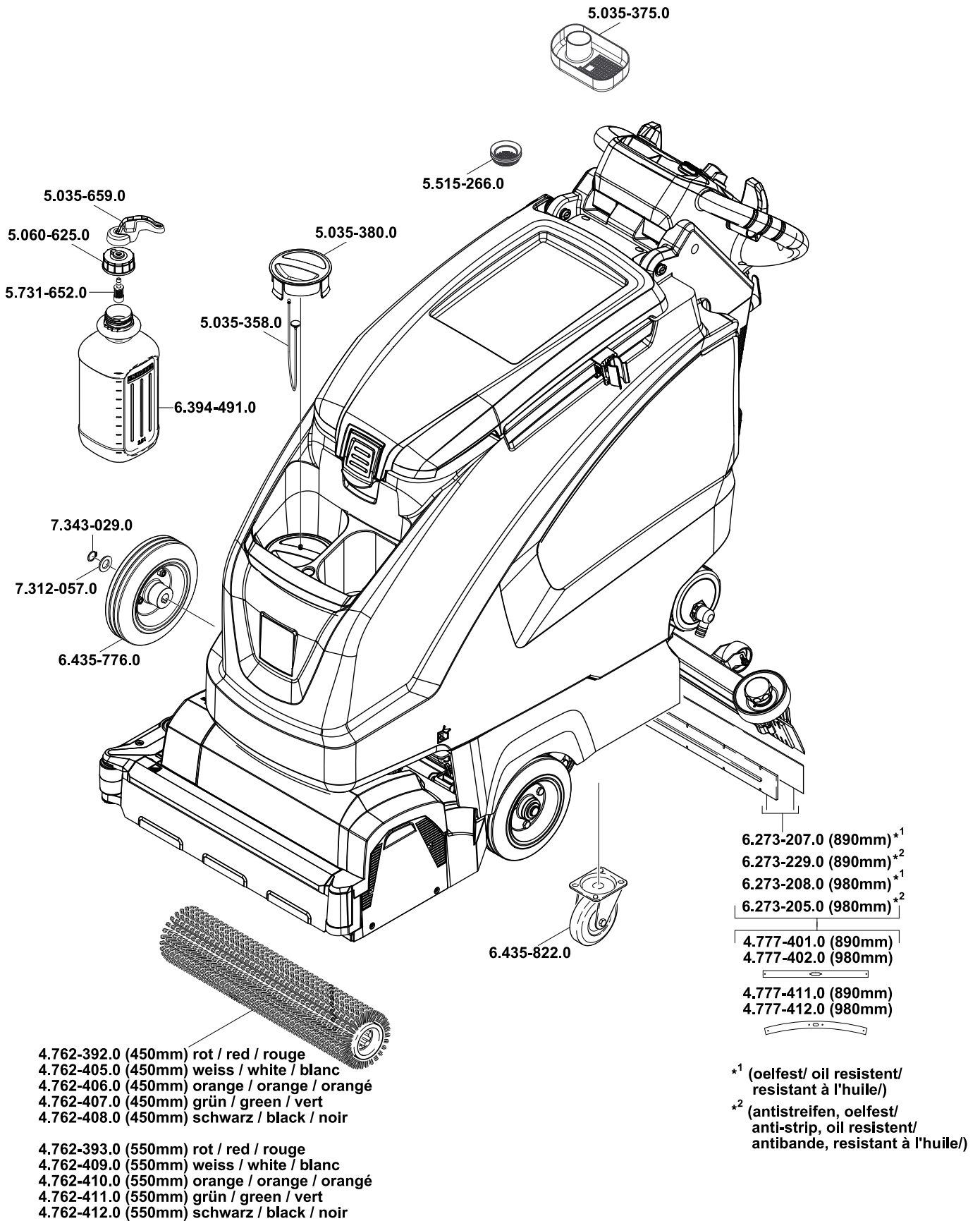
Documentation supervisor:

S. Reiser

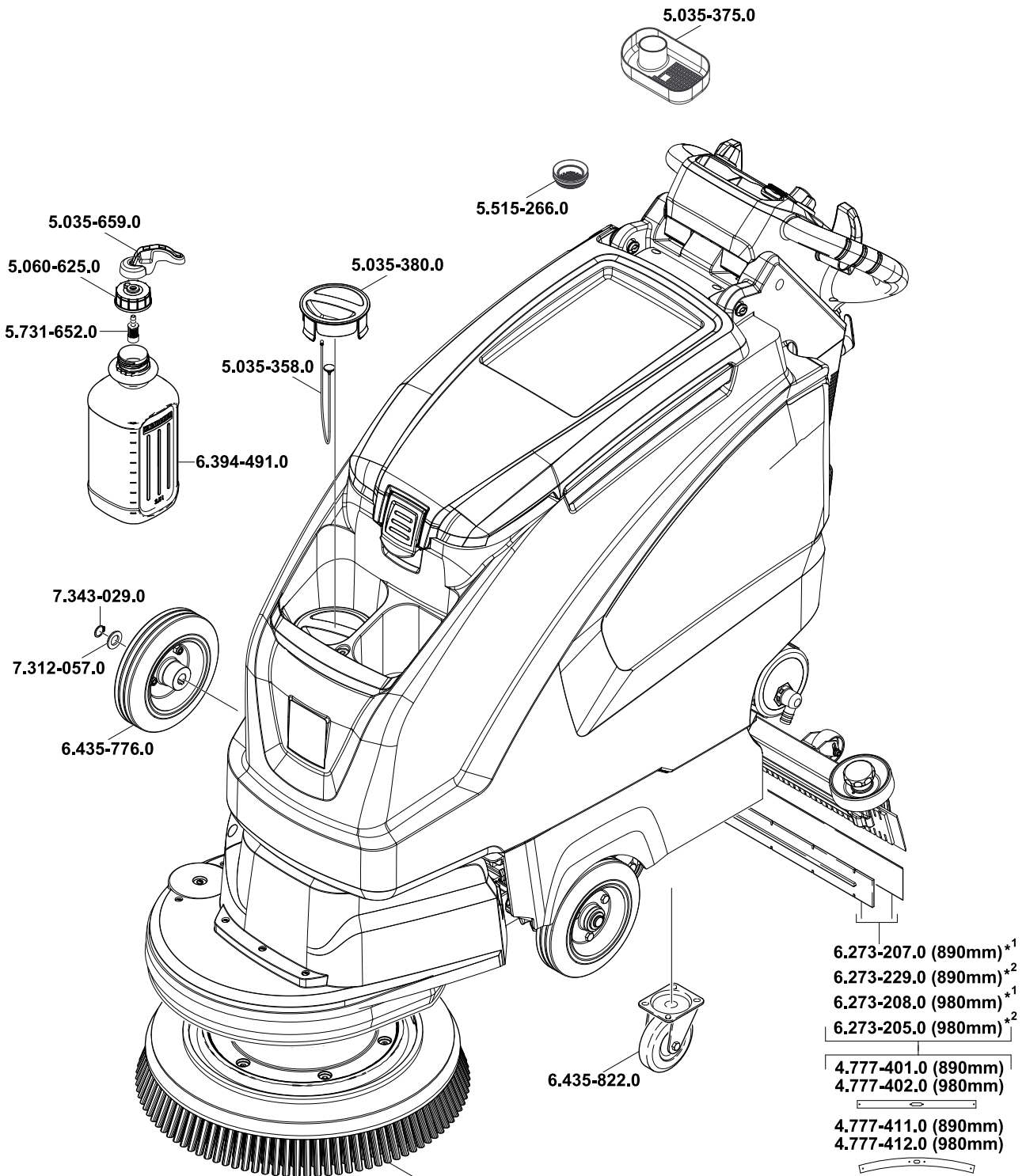
Spare parts

- Only use accessories and spare parts which have been approved by the manufacturer. The exclusive use of original accessories and original spare parts ensures that the appliance can be operated safely and trouble free.
- At the end of the operating instructions you will find a selected list of spare parts that are often required.
- For additional information about spare parts, please go to the Service section at www.kaercher.com.

B 40 Ep



B 40 Ep



- Ø 439 mm
 4.905-022.0 rot / red / rouge
 4.905-012.0 natur / nature / nature
 4.905-013.0 weiss / white / blanc
 4.905-025.0 schwarz / black / noir
 Ø 515 mm
 4.905-026.0 rot / red / rouge
 4.905-027.0 natur / nature / nature
 4.905-028.0 weiss / white / blanc
 4.905-029.0 schwarz / black / noir

- 6.273-207.0 (890mm)^{*1}
 6.273-229.0 (890mm)^{*2}
 6.273-208.0 (980mm)^{*1}
 6.273-205.0 (980mm)^{*2}

- 4.777-401.0 (890mm)
 4.777-402.0 (980mm)

- 4.777-411.0 (890mm)
 4.777-412.0 (980mm)

- ^{*1} (oelfest/ oil resistant/
 resistant à l'huile/)
^{*2} (antistreifen, oelfest/
 anti-strip, oil resistant/
 antibande, resistant à l'huile/)



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