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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.

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## 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, 5.956-251.

- **The appliance may only be operated when the container and all lids are closed.**
- **During operations, the key switch should not have been set to "O". Press emergency stop button in case of danger.**
- The machine has been approved for use on surfaces with gradients of up to 10%.
- Please remove the key, when not in use, to avoid unauthorised use of the appliance.
- Secure the appliance against inadvertent movement when parking on inclines.

## Safety Devices

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

### Emergency-stop button

To put all functions out of operation immediately.

## Symbols in the operating instructions

### Danger

indicates an immediate threat of danger. Failure to observe the instruction may result in death or serious injuries.

### Warning

indicates a possibly dangerous situation. Failure to observe the instruction may result in light injuries or damage to property.

### Note

indicates useful tips and important information.

## Symbols on the machine



Risk of injury on account of being crushed. Hold the tank only in this area while tilting downward.

## Function

The scrubbing vacuum cleaner is used for the wet cleaning of level floors. It can be easily adjusted to suit the required cleaning task by adjusting the water quantity, the contact pressure of the brushes and the waste water suction.

A working width of 650 mm and a capacity of 80 l each of the fresh and dirt water reservoirs enable an effective cleaning even when the machine is used for long duration. The device is self-moving; the drive motor is powered by four batteries.

The batteries can be charged using a charger connected to a 230 V socket. A charger is already integrated in the "Pack" model.

## Proper use

Use this appliance only as directed in these operating instructions.

- The appliance should only be used for cleaning level floors that are not affected by moisture.
- 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.

## Environmental protection



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



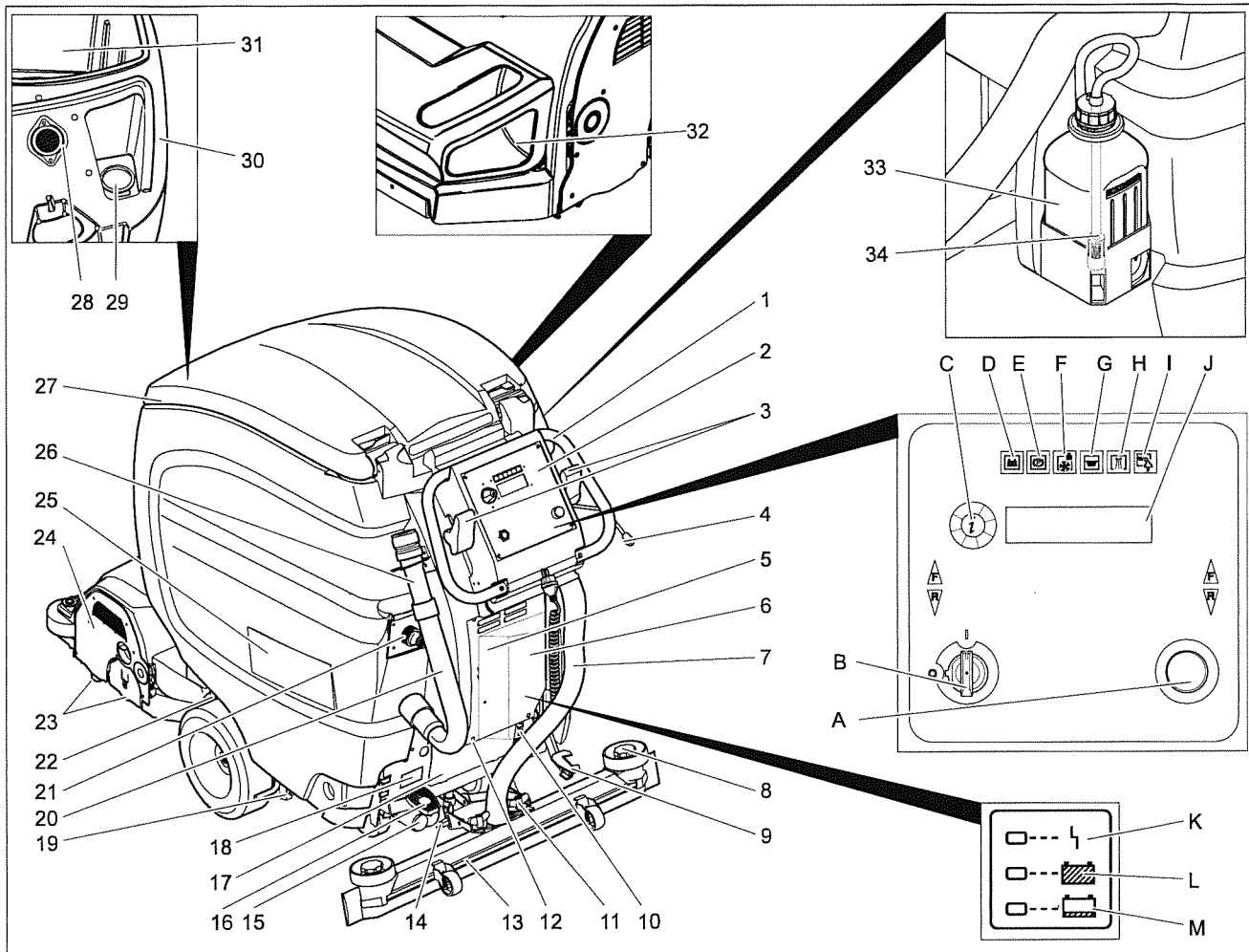
Old units contain valuable recyclable materials. Batteries, oil and similar substances may not be released into the environment. Therefore please dispose of old units through suitable collection systems.

### Notes about the ingredients (REACH)

You will find current information about the ingredients at:

[www.kaercher.com/REACH](http://www.kaercher.com/REACH)

## Control elements



- 1 Push handle
- 2 Operator console
- 3 Driving lever
- 4 Vacuum bar lowering lever
- 5 Power cord for charger (only Pack model)
- 6 Charger (only Pack model)
- 7 Suction hose
- 8 Star grips to exchange the vacuum lips
- 9 Pedal for raising/ lowering the cleaning head
- 10 Lever for adjusting the brush contact pressure
- 11 Wing nuts for fastening and tilting the vacuum bar
- 12 Screws of electronics cabinet cover
- 13 Vacuum bar (not included in the delivery)
- 14 Vacuum bar suspension
- 15 Fresh water filter
- 16 Pedal for operating the parking brake
- 17 Maintenance lid
- 18 Nameplate
- 19 Drain tap for fresh water
- 20 Dirt water discharge hose
- 21 Filling system (optional)
- 22 Screw to lock the tank
- 23 Brush rollers (R-Cleaning head)  
Disk brush (D cleaning head)
- 24 Cleaning head











- 25 Batteries (below the tank)
- 26 Dosing equipment for dirt water
- 27 Cover of the dirt/fresh water reservoir
- Under the lid of the dirt water tank:**
- 28 Lint sieve (suction)
- 29 Fresh water reservoir filler neck
- 30 Fresh water tank
- 31 Dirt water reservoir
- 32 Waste container (only with R cleaning head) \*
- 33 Detergent bottle (only Dose model)
- 34 Suction hose for detergent (only Dose model)
- Operator console
- A Emergency-stop button (turn to release)
- B Key switch
- C Info button
- D Indicator lamp (red), lights up when the batteries are discharged
- E Indicator lamp (red), lights up when the immobilising brake is applied
- F Indicator lamp (red), lights up when the brushes are overload
- G Indicator lamp (red), lights up when the waste water reservoir is full
- H Indicator lamp (green), lights up when the water is added

- I Indicator lamp (green), lights up when vacuum is on
- J Display for  
Battery status  
Water quantity  
Cleaning speed  
Brush speed  
Detergent dosing unit  
WDB function (only in connection with optional attachment set for spray suction)  
Operating hours  
Speed  
Manufacturer  
program version
- Charger (only Pack model)
- K red LED lights up = Problem with charger/ battery; inform Customer Service
- L green LED lights up = battery is full
- M yellow LED lights up = batteries are being charged

## Before Startup

### Batteries

Please observe the following warning notes when handling batteries:

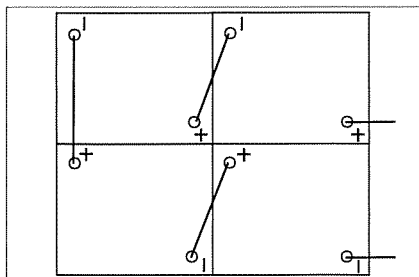
	Observe the directions on the battery, in the instructions for use and in the vehicle operating instructions
	Wear eye protection
	Keep children away from acid and batteries
	Danger of explosion
	Fire, sparks, naked flames and smoking must be strictly avoided
	Danger of chemical burns
	First aid
	Warning note
	Disposal
	Do not throw the battery into the regular waste

#### ⚠ Danger

*Danger of explosion. Do not put tools or similar on the battery, i.e. on the terminal poles and cell connectors.*  
*Risk of injury. Ensure that wounds never come into contact with lead. Always clean your hands after having worked with batteries.*

#### Insert batteries and connect

- Release the screw for locking the tank and swing up the tank.
- Place the batteries close to each other towards the cleaning head in the tray and fasten them using the fastening bracket behind the batteries.
- Lubricate the battery pole with pole grease.
- Connect poles with the enclosed connecting cables.



- Connect the connection cable to the free battery poles (+) and (-).

#### ⚠ Warning

*Risk of injury on account of being crushed. Hold the tank only in this area while tilting downward.*

- Tilt down the tank and tighten the screw.

#### ⚠ Warning

*Charge the battery before commissioning the machine.*

#### Charging battery

##### ⚠ Danger

*Danger of explosion. Wet batteries can only be charged with the seat tilted up.*

##### Note

*The device is equipped with a safety mechanism to prevent total discharge, i.e. when the permissible minimum capacity is reached, then the brush motors and the turbine are switched off. In such a case, the battery status display on the control console glows red. From this moment onwards, only driving mechanism is possible.*

- Drive the machine directly to the charging station; avoid any steep gradients in the process.

##### Note

*While using other batteries (for e.g. batteries from other manufacturers) the total discharge protection level must be reset by the Kärcher aftersales service according to the respective battery.*

##### ⚠ Danger

*Risk of electric shock. Observe supply network and fuse protection - see "Charger". Only use the charger in dry rooms with sufficient ventilation!*

##### Note

*Average charging time is approx. 10 -15 hours.*

*The recommended chargers (matching the batteries used) are regulated electronically and will automatically switch off the charging process.*

*All functions of the machine are automatically interrupted during the charging process.*

#### Charging procedure for Pack model

- Insert the plug of the charger into the socket.

#### Charging procedure for other models

- Drain and dispose of the dirt water and the residual fresh water.
- Release the screw for locking the tank and swing up the tank.
- Remove battery plug and join it to the charging cable.
- Connect the charger to the mains and turn it on.

#### Low maintenance batteries (wet batteries)

- Add distilled water one hour before the charging process comes to an end; follow the correct acid level. There are corresponding indicators on the battery.

#### ⚠ Danger

*Danger of causticization!*

- Adding water to the battery in its discharged state can cause the acid to leak.
- Use safety glasses while handling battery acid and follow the safety instructions to avoid personal injury or damage to clothes.
- Should the acid spray on to the skin or clothes, rinse immediately with lots of water.

#### ⚠ Warning

*Risk of damage!*

- Use only distilled or desalinated water (EN 50272-T3) for filling the battery.
- Do not add any substances (so-called performance improving agents), else warranty claims will not be entertained.

#### Recommended batteries

Order no. :	Description
6.654-130.0	Battery pack, incl. cable, maintenance-free, capacity: 180 Ah (5h), voltage: 4 x 6 V
	Single battery: 6.654-124.0

#### Recommended chargers

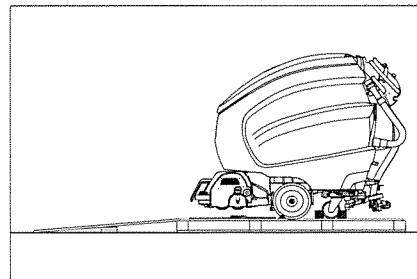
Order no. :	Description
6.654-078.0	Charger 2425 for maintenance-free batteries, 24 V

It is necessary to have a power supply cable/ adapter 6.649-582 for the charger. Batteries and chargers are available in specialised stores.

#### ⚠ Warning

*In the Pack model, use maintenance-free batteries only while replacing batteries.*

### Unloading



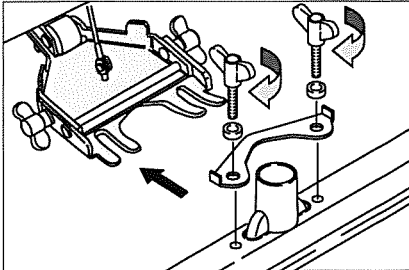
- Place long lateral boards of the packaging as a ramp next to the pallet.
- Fix the ramp on the pallet with nails.
- Place short boards as a support underneath the ramp.
- Remove the wooden bars in front of the wheels.
- Raise the cleaning head and remove the cartilage.
- Loosen the parking brake; for that press the pedal downward and move it to the left. Then let the pedal go upward.
- Set main switch to "1"
- Press the driving lever and slowly move the machine down from the ramp.
- Set main switch to "0".

## Installing the Brushes

The installation of the brushes is described in the chapter "Maintenance Tasks".

## 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.

## Operation

### ⚠ Danger

*Risk of injury. Press on the foot pedal only with one foot. The other foot must firmly be placed on the floor. Press emergency-stop switch to immediately switch off all functions of the machine.*

### ⚠ Warning!

*Risk of damage. Raise the vacuum bar before reversing.*

### Note

*The appliance is designed and built in such a way that the brush head is projecting towards the right. This enables working in a comfortable way close to the edges.*

- Release emergency-stop button by turning.
- Insert key in key switch at the operator console and turn to "1".
- Loosen the parking brake; for that press the pedal downward and move it to the left. Then let the pedal go upward.
- Drive the machine.  
Forwards:  
Press the driving lever to the front.  
Backward:  
Press the driving lever to the rear.

### Note

*The machine moves only when the driving lever is moved by 15°.*

## Setting the working speed

Forwards:

- Turn the info button clockwise until "CleanSpd Fwd=xxx%" is displayed.

Backward:

- Turn the info button clockwise until "CleanSpd Rev=xxx%" is displayed.

### Note

*If the info button is not pressed for 10 seconds the display toggles to the battery display.*

- Shortly press the info button - display blinks.
- Set the speed by turning the info button. The value can be set in increments of 10% between 30% and 100%.

- Press the info button to confirm the set value.

## Fill up fresh water reservoir

### Without filling system

- Open the cover of the dirt/fresh water reservoir
- Fill fresh water (max. 60 °C) until 15 mm below the upper edge of the tank.
- Close the cover of the dirt/fresh water reservoir

### Note

*Fill up the fresh water tank completely before starting up the machine to ventilate the water supply system.*

### Filling system (optional)

- Connect the water hose to the connection neck on the filling system.
- Open the water supply.  
Once the maximum fill level is reached, the built-in float valve will stop the water inflow.
- Shut off water supply.
- Remove the water hose.

## Add/ proportion detergent

### Detergent

#### ⚠ Warning

*Risk of damage. Only use the recommended detergents. With respect to different 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.*

### Note

*Do not use highly foaming detergents. Observe the dosing notes.*

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

Detergents are available in specialised stores.

## Add detergent bottle (Model without Dose)

### Note

*If detergent is added to the cleaning detergent tank first, followed by water, there could be a lot of foam.*

- Open the cover of the dirt/fresh water reservoir
- Add the detergent to the fresh water reservoir.
- Close the cover of the dirt/fresh water reservoir

## Proportion the detergent bottle (Dose model)

Detergent is added to the fresh water on the way to the cleaning head with the help of a dosaging device.

### Note

*The metering device can be used to add 3% of detergent at maximum. In case of a higher dose the detergent must be poured into the fresh water tank.*

### ⚠ Warning

*Danger of plug-up by dried detergent when the detergent is added to a fresh water tank made by Dose. The flow meter of the dosing equipment can stick on account of drying detergent and hamper the functioning of the dosing equipment. Always rinse at the end the fresh water tank and the appliance with clear water. To rinse, open the regulating knob fully, set the detergent metering setting to 0% and set the cleaning program with water at the programme selection switch.*

- Place the bottle with the detergent in the holder behind the operator console.
- Close the bottle lid.
- Insert the suction hose of the dosing equipment into the bottle and screw on the lid.

### Note

*If the fresh water tank is empty, then the function of adding detergent gets deactivated. The cleaning head continues to work without the addition of any liquid. Detergent addition is also stopped when the detergent can is empty.*

## Adjusting the proportion of detergent (Dose model)

- Turn the info button clockwise until "RM - Dosierung" or "RM - Dosing" is displayed.
- Shortly press the info button - display blinks.
- Adjust the detergent dose by turning the info button (0.5% to 3%).
- Press the info button to confirm the set value.

### Note

*If no water is to be added to the detergent, then the dosing must be set to 0%.*

### Setting the water quantity

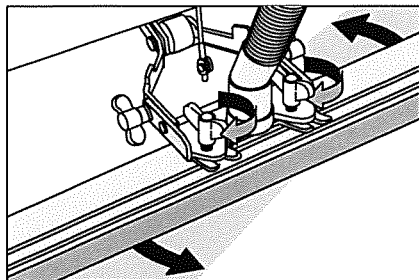
- Turn the info button clockwise until "Wasser:..." or "Water:..." is displayed.
- Shortly press the info button - display blinks.
- Set the water quantity by turning the info button. The number of black bars indicates the water quantity.
- Press the info button to confirm the set value.

### 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°.

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

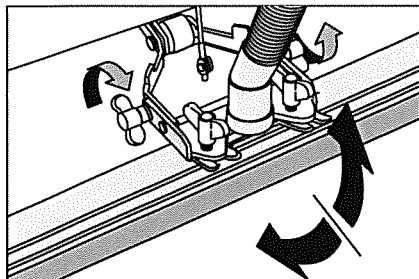


- Tighten the wing nuts.

#### Inclination

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

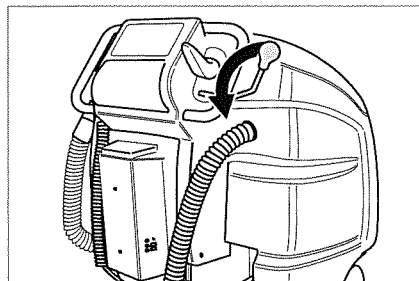
- Release the wing nuts.
- Tilt the vacuum bar.



- Tighten the wing nuts.

### Lower the vacuum bar

- Turn the lever downwards; the vacuum bar is lowered and the suction turbine is switched on.



#### Note

If the dirt water reservoir is full, the suction turbine switches off automatically.

- Empty the dirt water reservoir.

- Turn the key switch to "0", wait for a few seconds and then turn it to "1".

You can now switch on the suction turbine.

### Setting the brush speed

- Turn the info button clockwise until "FACT" is displayed.
- Shortly press the info button - display blinks.
- Set the brush speed by turning the info button.
  - "...Power" - high speed (100%).
  - "...Whisper" - medium speed (60%).
  - "...Fine" - low speed (40%).
- Press the info button to confirm the set value.
- Press the info button to confirm the set value.

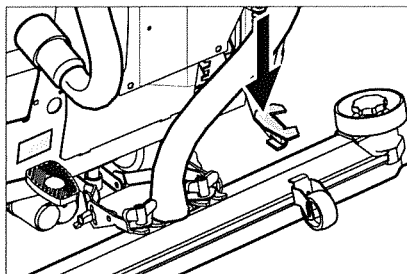
### Switching on the cleaning head

#### ⚠ Warning!

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

- Press down the pedal up to raise/lower the cleaning head, move it to the left and let it go up.

The cleaning head is lowered and starts automatically.

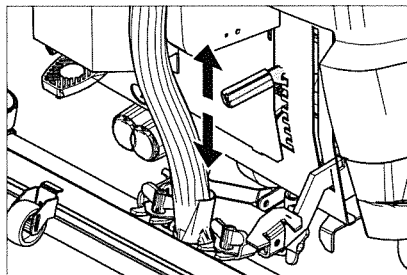


### Adjust the brush contact pressure

#### ⚠ Danger

Risk of injury due to fast-moving lever for adjusting the brush contact pressure. Adjust the lever for adjusting the brush contact pressure only when the cleaning head is lowered.

- Adjust the brush contact pressure at the lever.



#### Note

Carry out initial cleaning attempts with low contact pressure. Slowly increase the contact pressure till the desired cleaning result is achieved. Correctly set contact pressure saves power and wear and tear of the brushes.

The brush drive is switched off when there is overload.

#### ⚠ Warning

Floors can get damaged on account of too high contact pressure. Carry out the initial polishing attempts with less contact pressure. Increase the contact pressure as per requirements until the desired polishing result is achieved.

### Turning on/off WDB

WDB = Attachment set for spray suction

#### Note

Is applicable only in connection with optional attachment set for spray suction.

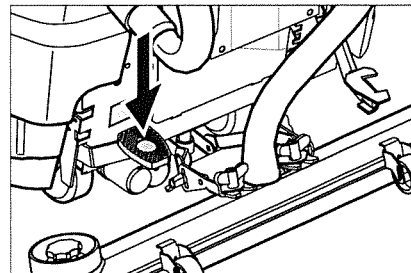
- Turn the info button clockwise until "WDB-Funktion" or "WDB-Funktion" is displayed.
- Shortly press the info button - display blinks.
- Select "ON" or "OFF" by turning the info button.

### Stand-by

If the operational break exceeds 30 minutes, the machine goes into stand-by mode. To restart the machine, turn the key switch briefly to "0" and then turn it again to "1".

### Shutting Down the Appliance

- Release driving lever.
- Lift the cleaning head.
- Raise the vacuum bar.
  - The suction turbine will continue to run for 5 more seconds to suck off residual water from the vacuum bar and the vacuum hose.
- Activate immobilising brake.



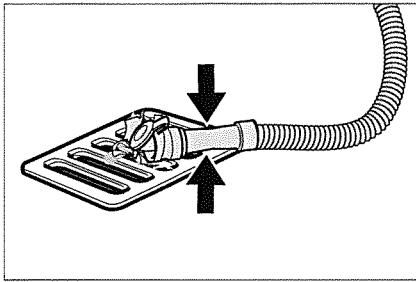
- Turn key to "0" and remove it.
- Secure the appliance against inadvertent movement when parking on inclines.

### Emptying the Dirt Water Reservoir

#### ⚠ Warning

Please observe the local provisions regarding the wastewater treatment.

- Take the dirt 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.
- The rinse the dirt water reservoir with clear water.

### Emptying the Fresh Water Tank

- Open the drain tap for fresh water.

### Maintenance and care

#### ⚠ Danger

Risk of injury! Before carrying out any tasks on the machine, set the main key to "0" and remove key and plug of the charger.

#### ⚠ Warning

Risk of damage to the appliance on account of water leakage. Drain out dirt water and the remaining free water before working at the machine.

### Maintenance schedule

#### After the work

#### ⚠ Warning

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

- Drain off dirt water.
- Rinse the dirt water reservoir with clear water.
- Only with R cleaning head Remove bulk waste container and empty 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
- Clean the vacuum lips on the vacuum bar, replace if required
- Check the brushes for wear, replace if required.
- Charge battery if required.

### Monthly

- Check battery pole for oxidation; brush it if required and lubricate it using pole grease. Ensure that the connection cable sits firmly.
- Check the function of the immobilizing brake.
- Check the condition of the seals between dirt water reservoir and cover, replace if required.
- Check the acid density of the cells if the batteries are not maintenance-free batteries.
- Clean the brush tunnel (only R cleaning head)

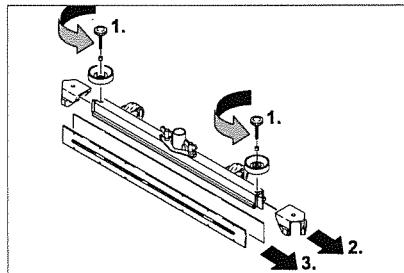
### Yearly

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

### Maintenance Works

#### Turn or replace vacuum lips

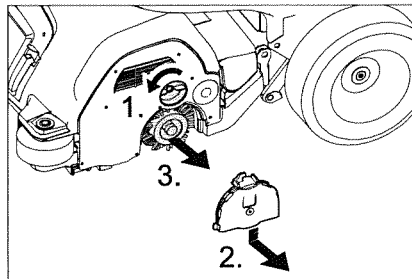
- Remove the vacuum bar.
- Unscrew the star grips.



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

#### Replacing the brush rollers

- Lift the cleaning head.

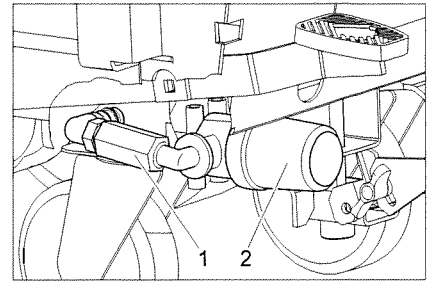


- Loosen the lock of the wiper flap.
- Push the bearing lid down and remove.
- Pull out the brush roller.
- Insert a new brush roller.
- Reassemble the bearing lid in the reverse sequence.
- Repeat process on the opposite side.

#### 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.

### Clean the fresh water filter

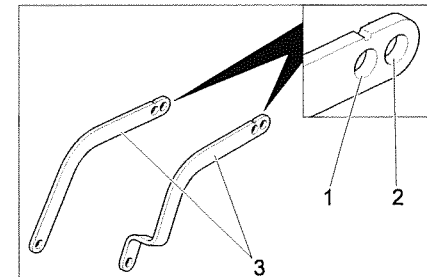


- 1 Locking valve
- 2 Filter pot

- Close locking tap.
  - Unscrew filter cup; change/ replace filter inlay.
  - Replace the filter cup.
- Open locking tap.

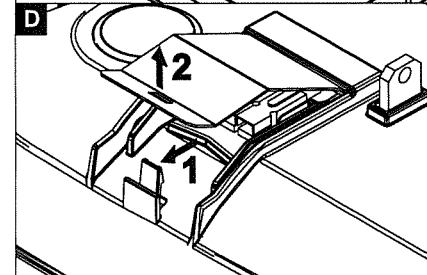
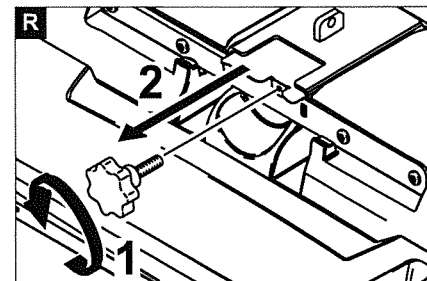
#### Install cleaning head

- Release the screw for locking the tank and swing up the tank.



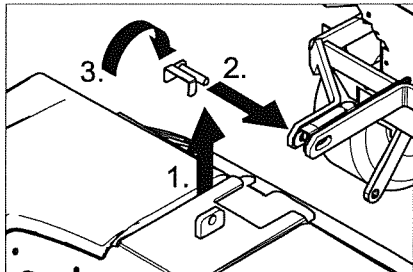
- 1 Bore for D 75 cleaning head
- 2 Bore for other cleaning heads
- 3 Push bar

- Check whether the push rods are attached to the bore on the appliance that matches the respective cleaning head.
- If necessary, loosen the nuts and attach the push rods to the other bore.
- Only tighten the nuts loosely so that the push rods can still move.

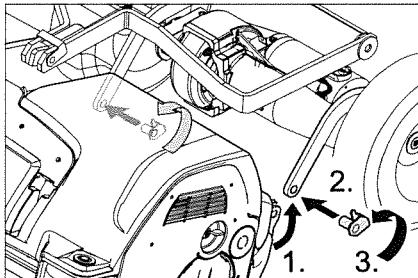


- R cleaning head: Unscrew the star handle and remove the lid.

- D cleaning head: Remove the lid of the cleaning head.
- Place the cleaning head halfway in front of the appliance.
- Connect the power cord of the cleaning head to the appliance (same colours must meet).
- R cleaning head: Slide the lid in and tighten the screw.
- D cleaning head: Replace the lid and lock it.
- Connect the hose couplers on the cleaning head to the hose on the appliance.



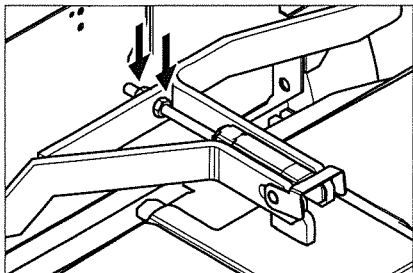
- Insert the tab into the middle of the cleaning head, between the fork of the lever.
- Position the lever on the pedal for raising/lowering so that the borings in the lever and the cleaning head align.
- Insert the stop pin through the bushings and swivel the locking plate downward.



- Align the pushing rod in the handle at the cleaning head.
- Insert the stop pin from the right through the bushings and swivel the locking plate downward.
- Repeat process on the pushing rod on the opposite side.

#### Note

Both the pins at the pushing rods are pushed in from the same side through the bushings (not in opposite directions).



- Loosen the nuts of the adjustment screw and align the cleaning head in

such a way that the brush rollers touch the floor in an even manner.

- Then tighten the nuts of the adjustment screw.

#### Dismantling the cleaning head

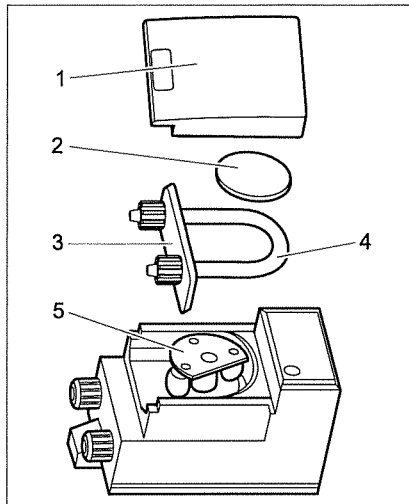
The removal will take place in the opposite order of the installation.

#### Removing the batteries

- Release the screw for locking the tank and swing up the tank.
- Clamp off the minus pole of the battery.
- Clamp off the remaining cables from the battery.
- Unscrew the fastening angle.
- Remove the batteries.
- Dispose of the used batteries according to the local provisions.

#### Replace pump hose (only Dose model)

- Remove service cover.



- 1 Covering lid
- 2 Cover
- 3 Hose switch
- 4 Pump hose
- 5 Rotor

- Remove covering lid.
- Remove cover.
- Remove the hose holder with the pump hose (turn manually to remove the rotor manually).
- Replace pump hose.
- Dosing pump and appliance are brought into operational state by performing the same steps in the reverse direction.

#### 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 dirt water reservoirs.
- Store the appliance in a frost-protected room.

## Transport

### ⚠ Danger

Do not exceed a gradient of max. 10% upward/downward slope while loading or unloading the machine.

### Caution

Risk of injury and damage! Observe the weight of the appliance when you transport it.

- If you want to transport the machine on a vehicle secure it from slipping using belts/ropes.
- Activate immobilising brake.
- Raise the cleaning head to avoid damage to the brushes.

### With mounted D cleaning head

- Remove brushes from the brush head.

## Storage

### Caution

Risk of injury and damage! Note the weight of the appliance in case of storage.

This appliance must only be stored in interior rooms.

## Troubleshooting

### ⚠ **Danger**

*Risk of injury! Before carrying out any tasks on the machine, set the main key to "0" and remove key and plug of the charger.*

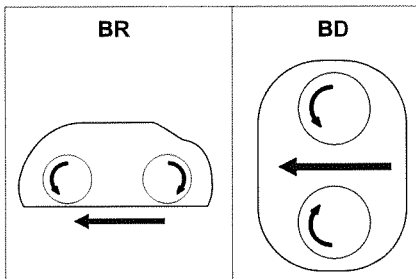
### ⚠ **Warning**

*Risk of damage to the appliance on account of water leakage. Drain out dirt water and the remaining free water before working at the machine.*

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

Fault	Remedy
Appliance cannot be started	Stand-by, turn key switch to "0", then set it back to "1".
	Check fuse F1 *, F2 *, replace if required. *
	Check battery; charge it if required.
Machine does not move	Check if the parking brake has been triggered.
Insufficient water quantity	Check fresh water level, refill tank if necessary.
	Check fresh water filter; clean if required. (See "Maintenance Tasks").
	Check hoses for blockages; clean if required.
Insufficient vacuum performance	Clean the seals between dirt water reservoir and cover and check for tightness, replace if required.
	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
Insufficient cleaning result	Set/ adjust contact pressure.
	Check the brushes for wear, replace if required.
	Use appropriate brush type for the type of dirt.
Brushes do not turn	Reduce contact pressure.
	Check if foreign matters block the brushes; remove foreign matter if required.
	If over-current switch in the electronics system has been triggered, turn key switch to "0", then set it back to "1".
Appliance vibrates strongly	Check the brush rollers for deformation, replace unbalanced brushes.
	Check the rotation direction of the brush rollers (see "Check rotation direction"); call customer service if necessary.
* Remove screws of the electronics system and tilt the electronics cover with charger downwards	

### Check direction of rotation



## Accessories

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](http://www.kaercher.com).

Description	Part no.: R 65	Description	Piece	Appliance requires pieces
Brush roller, red (medium, standard)	6.906-935.0	Also for regular cleaning of heavily dirtied floors.	1	2
Brush roller, white (soft)	6.906-981.0	For polishing and cleaning sensitive floors.	1	2
Brush roller, orange (high/ low)	6.906-982.0	For scrubbing structured floors (safety tiles, etc.).	1	2
Brush roller, green (grit)	6.906-983.0	For thoroughly cleaning heavily dirtied floors and for removing the coating (for e.g. of wax, acrylate).	1	2
Brush roller, black (very hard)	6.906-984.0	For thoroughly cleaning heavily dirtied floors and for removing the coating (for e.g. of wax, acrylate).	1	2
Pad roller shaft	4.762-433.0	For intake of roller pads.	1	2
Roller pad, white (very soft)	6.369-389.0	For fine-polishing floors.	20	80
Roller pad, red (medium)	6.369-456.0	For cleaning slightly dirtied floors.	20	80
Roller pad, green (hard)	6.369-455.0	For cleaning normal to heavily dirtied floors.	20	80
Roller pad, yellow (soft)	6.369-454.0	For polishing floors.	20	80

Description	Part no.: D 65	Description	Piece	Appliance requires pieces
Disk brush, natural (white)	4.905-012.0	For polishing floors.	1	2
Disk brush, red (medium, standard)	4.905-010.0	For cleaning slightly dirtied or sensitive floors.	1	2
Disk brush, black (hard)	4.905-013.0	For cleaning heavily dirtied floors.	1	2
Driver plate	4.762-439.0	For intake of pads.	1	2
Disc pad, red (medium)	6.369-905.0	For cleaning slightly dirtied floors.	5	2
Disc pad, green (hard)	6.369-906.0	For cleaning normal dirtied floors.	5	2
Disc pad, black (very hard)	6.369-907.0	For cleaning heavily dirtied floors.	5	2

Description	Part no.: B 80 W	Description	Piece	Appliance requires pieces
Vacuum bar, straight	4.777-049.0	Standard	1	1
Vacuum bar, bent	4.777-055.0	Standard	1	1
Rubber lip, brown	6.273-205.0	Non-scarring	1	1
Rubber lip, brown	6.273-208.0	oil-resistant	1	1

## Technical specifications

		B 80 W		B 80 W can	
		R 65	D 65	R 65	D 65
<b>Power</b>					
Nominal voltage	V	24			
Battery capacity	Ah (5h)	max. 180/205			
Average power consumption	W	1500			
Drive motor output	W	300			
Suction engine output	W	500			
Brush engine output	W	2 x 600			
Protective class		IPX3			
<b>Fuses</b>					
F1 (main fuse)	A	150			
F2 (control)	A	3			
F3 (Water pump)	A	7,5			
F4 (Drive motor)	A	30			
<b>Vacuuming</b>					
Cleaning power, air quantity	l/s	22			
Cleaning power, negative pressure	kPa	11,5			
<b>Cleaning brushes</b>					
Working width	mm	640	695	640	695
Brush diameter	mm	105	360	105	360
Brush speed	1/min	1500	180	1500	180
<b>Dimensions and weights</b>					
Theoretical surface cleaning performance	m <sup>2</sup> /h	2560	2780	2560	2780
Slope max.	%	10			
Fresh/dirt water reservoir volume	l	80/80			
Transport weight	kg	270			
Permissible overall weight	kg	340, (350)*			
<b>Values determined as per EN 60335-2-72</b>					
Total oscillation value	m/s <sup>2</sup>	<2,5			
Uncertainty K	m/s <sup>2</sup>	0,1			
Sound pressure level L <sub>pA</sub>	dB(A)	67			
Uncertainty K <sub>pA</sub>	dB(A)	2			
Sound power level L <sub>WA</sub> + Uncertainty K <sub>WA</sub>	dB(A)	87			
* Package appliances					

## CE declaration

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:** 1.259-xxx

**Relevant EU Directives**

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

2004/108/EC

**Applied harmonized standards**

EN 55014-1: 2006 + A1: 2009

EN 55014-2: 1997 + A2: 2008

EN 60335-1

EN 60335-2-29

EN 60335-2-72

EN 61000-3-2: 2006 + A2: 2009

EN 61000-3-3: 2008

EN 62233: 2008


**Applied national standards**

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The undersigned act on behalf and under the power of attorney of the company management.



H. Jenner  
CEO



S. Reiser  
Head of Approbation

Authorised Documentation Representative  
S. Reiser

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Winnenden, 2011/05/01

## Warranty

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

## 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](http://www.kaercher.com).