

# Operating Instructions

## --- Sweeper

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KM 625

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KM 825



KM 625



KM 825

**KM SERIES**

## Imprint

### Product identification

Sweeper	Item number
KM 625	7302162
KM 825	7302182

### Manufacturer

Stürmer Maschinen GmbH  
 Dr.-Robert-Pfleger-Str. 26  
 D-96103 Hallstadt

Fax: 0049 (0) 951 96555 - 55  
 E-Mail: info@cleancraft.de  
 Internet: www.cleancraft.de

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Subject to technical modifications and error.

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## 1 Introduction

You have made a good choice by purchasing the CLEANCRAFT Sweeper.

### Read the operating manual thoroughly before commissioning the machine.

It gives you information about the proper commissioning, intended use and safe and efficient operation and maintenance of your Sweeper.

The operating manual is part of the Sweeper package. Always keep this operating manual in the location where your Sweeper is being operated. All local accident prevention regulations and general safety instructions for the operating range of your Sweeper must also be complied with.

Illustrations in this operating manual serve the general understanding and may deviate from the actual design.

### 1.1 Copyright

The contents of these instructions are copyright. They may be used in conjunction with the operation of the Sweeper. Any application beyond those described is not permitted without the written approval of Stuermer Maschinen GmbH. For the protection of our products, we shall register trademark, patent and design rights, as this is possible in individual cases. We strongly oppose any infringement of our intellectual property.

### 1.2 Customer service

If you have questions about your machine or technical information, please contact your dealer. There you will be happy to help with expert advice and information.

#### Germany:

Stürmer Maschinen GmbH  
Dr.-Robert-Pfleger-Str. 26  
D-96103 Hallstadt

#### Repair-Service:

Fax: 0049 (0) 951 96555-111  
Email: [service@stuermer-maschinen.de](mailto:service@stuermer-maschinen.de)  
Internet: [www.cleancraft.de](http://www.cleancraft.de)

#### Spare parts orders:

Fax: 0049 (0) 951 96555-119  
Email: [ersatzteile@stuermer-maschinen.de](mailto:ersatzteile@stuermer-maschinen.de)

We are always interested in valuable experience and knowledge gained from using the application-which then could be shared and be valuable to develop our products even further.

## 1.3 Limitation of liability

All information and notes in these operating instructions were summarised while taking applicable standards and rules, the state-of-the-art technology and our longterm knowledge and experiences into consideration.

In the following cases the manufacturer is not liable for damages:

- Non-observance of the operating instructions,
- Inappropriate use
- Use of untrained staff,
- Unauthorised modifications
- Technical changes,
- Use of not allowed spare parts.

The actual scope of delivery may deviate from the explanations and presentations described here in case of special models, when using additional ordering options or due to latest technical modifications.

The obligations agreed in the delivery contract, the general terms and conditions as well as the delivery conditions of the manufacturer and the legal regulations at the time of the conclusion of the contract are applicable.

## 2 Safety

This section provides an overview of all important safety packages for the protection of operating personnel as well as for safe and fault-free operation. Other task-based safety notes are included in the paragraphs of the individual phases of life.

### 2.1 Symbol explanation

#### Safety instructions

The safety notes in these operating instructions are highlighted by symbols. The safety notes are introduced by signal words which express the concern of the risk.



#### **DANGER!**

This combination of symbol and signal words indicates an imminently dangerous situation which may lead to death or severe injury if not avoided.

**WARNING!**

This combination of symbol and signal words indicates a potentially dangerous situation which may lead to death or severe injury if not avoided.

**CAUTION!**

This combination of symbol and signal words indicates a potentially dangerous situation which may lead to slight or minor injury if not avoided.

**ATTENTION!**

This combination of symbol and signal words indicates a possibly dangerous situation which may lead to property and environmental damages if they are not avoided.

**NOTE!**

This combination of symbol and signal words indicates a potentially dangerous situation which may lead to material or environmental damage if not avoided.

**Tips and recommendations****Tips and recommendations**

This symbol highlights useful tips and recommendations as well as information for efficient and trouble-free operation.

To reduce the risk of personal injury and property damage and to avoid dangerous situations, the safety instructions in this manual must be observed.

## 2.2 Obligations of the operating company

The operating company is the person who operates the Sweeper for business or commercial reasons by herself, or leaves it to a third party for use or application, and who bears the legal product responsibility for the protection of the user, the staff or for third parties.

### Obligations of the operator:

If the machine is used in the commercial sector, the operator of the machine is subject to the legal obligations for occupational safety.

For this reason, the safety instructions in this operating manual as well as the safety, accident prevention and environmental protection regulations applicable to the area of application of the machine must be observed. The following applies in particular:

- The operating company must be informed about the applying industrial safety regulations and further analyse hazards resulting from the special working conditions at the place of use of the Sweeper. She must implement these in form of operating manuals for the operation of the Sweeper.
- During the entire lifetime the Sweeper, the operating company must verify whether the operating manuals prepared by her correspond to the current status of the regulations, and must adapt these if necessary.
- The operating company must unambiguously regulate and determine the responsibilities for installation, operation, troubleshooting, maintenance and cleaning.
- The operating company must ensure that all persons who work with the Sweeper, have read and understood this manual. Furthermore she must instruct the staff in regular intervals and inform them about the hazards.

Furthermore the operating company is responsible to keep the Sweeper always in a technically flawless state. Thus, the following applies:

- The operator must ensure that the maintenance intervals described in this manual are kept.
- The operator must have all safety devices checked regularly for their good working order and their integrity.

## 2.3 Qualification of the staff

The different tasks described in this manual represent different requirements to the qualification of the persons entrusted with these tasks.



### WARNING!

#### Danger in case of insufficient qualification of the staff!

Insufficiently qualified persons cannot estimate the risks while using the single-disc machine and expose themselves and others to the danger of severe or lethal injuries.

- Have all works only performed by qualified persons.
- Keep insufficiently qualified persons out of the working area.

Only persons reliable working procedures can be expected from, are allowed to perform all works. Persons the responsiveness of which is affected by e. g. drugs, alcohol or medication, are not allowed to work with the machine.

The qualifications of the personnel for the different tasks are mentioned below:

#### Operator

The operator is instructed by the operating company about the assigned tasks and possible risks in case of improper behaviour. Any tasks which need to be performed beyond the operation in the standard mode must only be performed by the operator if it is indicated in these instructions and if the operating company expressly commissioned the operator.

#### Electrically qualified person

Electrically qualified person is due to their professional training, knowledge and experience as well as knowledge of the relevant standards and regulations, in a position to carry out work on the electrical systems and to independently recognize and avoid possible dangers.

#### Qualified personnel

Due to their professional training, knowledge and experience as well as their knowledge of relevant regulations the specialist staff is able to perform the assigned tasks and to recognise and avoid any possible dangers themselves.

## Manufacturer

Certain works may only be performed by specialist personnel of the manufacturer. Other personnel is not authorized to perform these works. Please contact our customer service for the execution of all arising work.

## 2.4 Personal protective equipment

The personal protective equipment serves to protect persons against impairments of safety and health while working. The staff member has to wear personal protective equipment while performing different tasks on and with the machine which are indicated in the individual paragraphs of these instructions.

The personal protective equipment is explained in the following paragraph:



### Protective gloves

The protective gloves serve to protect the hands against sharp components as well as against friction, abrasions or deep injuries.



### Safety boots

Safety boots protect the feet from being crushed, falling parts and slipping over on slippery ground.



### Protective clothes

Protective clothes are made of a tightly fitted fabric without the protruding parts of low tear strength.

## 2.5 General safety regulations

### Please note the following:

- Never work without guards and keep them in good working order.
- Always keep the sweeper and its working environment clean.
- Do not modify the sweeper's design or use it for purposes other than those for which it was designed by the manufacturer.
- Never work under the influence of diseases that impair concentration, fatigue, drugs, alcohol or medication.
- Keep children and persons unfamiliar with the sweeper away from its working environment.
- Persons with reduced physical, sensory or mental capabilities must not use the machine unless they are supervised and instructed by a carer.
- Only use the sweeper in accordance with these instructions.

- Do not sweep up gel, liquid, flammable, explosive, incandescent and harmful substances with the sweeper.
- Do not sweep up liquids.
- The machine is only intended for sweeping on paved areas. The sweeping environment must not be wet.
- Never put hands or feet on or under rotating parts.
- Before each use, make sure that there are no damaged parts on the sweeper.
- Damaged parts must be replaced immediately to avoid sources of danger.
- Hold the machine firmly during operation.
- Do not expose the machine to rain or snow.
- Be aware of all power lines, electrical circuits, water lines and other mechanical hazards in your work area, especially those hazards below the work surface that are hidden from the operator's view and may come into contact unintentionally.
- Do not use your sweeper in places where there is a risk of fire or explosion; e.g. in the presence of flammable liquids, gases or dust.
- Make sure that the brushes do not block during operation. Prolonged blocking of the brushes can damage the appliance.
- Replace defective parts immediately. Only use original spare parts.
- Do not make any changes, additions or conversions to the sweeper.
- If damage occurs to the machine, stop using it and have it repaired or contact our customer service.
- If you sweep in glass or broken pieces, wear protective goggles and gloves.
- Use robust gloves to remove glass and other sharp objects from the dirt container.
- Operate the sweeper only with the dirt bin and filter correctly fitted.
- Only drive at low speed on sloping or slippery surfaces.
- The machine must not be used for transporting persons or objects.
- Wear a dust mask, safety goggles and protective gloves in dusty areas.
- Do not disassemble the machine or attempt to repair it yourself.
- Only use original spare parts and accessories.

## 2.6 Safety instructions Battery

- Disconnect the battery and charger before working on the machine.
- Do not smoke when working on or adjusting the battery.

- If the charger cable is damaged, it must be replaced by the manufacturer, authorised dealer or equally qualified personnel.
- Do not use batteries that are not intended for use with the machine.
- Never use a defective charger or charging cable to charge the battery.
- Be careful not to short-circuit the battery terminals or cause a spark.
- Keep the battery away from open flames.
- To avoid fire or explosion, check the batteries and charger for damage before use.
- Do not use the machine with a damaged battery.
- Remove damaged batteries from the machine and dispose of them safely. Do not throw the battery away with household waste, but dispose of it in accordance with local laws and regulations.

## 2.7 Safety data sheets

Safety data sheets on hazardous goods can be obtained from your specialist dealer or by calling +49 (0)951/96555-0. Specialist dealers can find safety data sheets in the download area of the partner portal.

## 2.8 Safety markings on the machine

The Sweeper has safety markings and instructions (Fig. 1) which must be observed and followed.



Fig. 1: Safety markings

Damaged or missing safety symbols on the machine can lead to incorrect actions with personal injury and damage to property. The safety symbols attached to the machine must not be removed. Damaged safety symbols must be replaced immediately. From the moment when the signs are not immediately recognisable and comprehensible at first sight, the machine must be taken out of operation until the new signs are attached.

### 3 Intended Use



#### ATTENTION!

Any modification of the appliance is prohibited. In addition to invalidating the warranty, the modification may result in fire and injury, including mortal danger, to the user. The manufacturer accepts no liability for damage caused to property or persons as a result of failure to comply with these instructions or misuse of the appliance.

The sweeper is designed exclusively for sweeping dirt, dry waste and dust on hard floors outdoors and indoors or carpeted floors indoors. The machine may only be used in accordance with its intended purpose. Any other use beyond this is not in accordance with the intended use.

Intended use also includes compliance with all the information in these instructions.

Stürmer Maschinen GmbH accepts no liability for design and technical modifications to the sweeper.

Claims of any kind for damage due to improper use are excluded.

#### 3.1 Misuse



#### ATTENTION!

##### Risk of misuse!!

A misuse on Sweeper can lead to dangerous situations or damage to the device.

- Only operate the Sweeper in the performance range specified in the technical data.
- Never bypass or override the safety devices.
- Only operate the scrubber-drier in a technically perfect condition.

#### 3.2 Residual risks

Even if all safety instructions are observed and the sweeper is used according to the instructions, there are still residual risks, which are listed below:

- Risk of injury to upper limbs (e.g. hands, fingers).
- Risk of fire if the battery is incorrectly connected.
- Never clean floors with a height gradient greater than that indicated on the machine.
- Do not use at altitudes above 2000m.

### 4 Technical Data

Model	KM 625	KM 825
Length	1033 mm	1033 mm
Width / Depth	615 mm	815 mm
Height	994 mm	994 mm
Weight	48 kg	53 kg
Working capacity	2180 m <sup>2</sup> /h	2600 m <sup>2</sup> /h
Cleaning surface	625 m <sup>2</sup>	825 m <sup>2</sup>
Operational capacity	2180 m <sup>2</sup> /h	2600 m <sup>2</sup> /h
Working width with central brush	405 mm	660 mm
Working width with side brushes	625 mm	825 mm
Speed	0 - 3,5 km/h	0 - 3,5 km/h
Maximum ramp gradient	2%	2%
Debris hopper	35 l	45 l
Speed brushes	550 rpm	550 rpm
Brush diameter	200 mm	200 mm
Total power	0,18 kW	0,18 kW
Sound pressure level	56 dB(A)	56 dB(A)
Vibration level	1,3 m/s <sup>2</sup>	1,40 m/s <sup>2</sup>
Protection class	IPX3	IPX3
Power supply	12V battery	12V battery
Battery lifetime	110 min	110 min
Battery charge time	8 hours	8 hours

### 5 Type Plate

Kehrmaschine Sweeper			
Typ Type	KM 625	Serien-Nr. Serial no.	
Artikel-Nr. Item no.	7302162	Baujahr Year of manufacture	Monat/Jahr month/year
Leistung Power	180 W	Gewicht Weight	48 kg
Volumen Kehrgutbehälter Debris hopper	35 l	Spannung Power supply	12 V
Arbeitsbreite mit Seitenbesen Working width with side brushes	625 mm		
		Stürmer Maschinen GmbH Dr.-Robert-Pfleger-Str. 26, 96103 Hallstadt Deutschland / Germany	
<a href="http://www.cleancraft.de">www.cleancraft.de</a>			

Fig. 2: Type plate KM 625

## 6 Scope of Delivery

### Scope of delivery KM 625 and KM 825

- Battery 12V 42Ah AGM  
"You can receive the safety data sheet from your specialist dealer or by calling Tel: +49 (0)951/96555-0"
- On-board charger 12V 5Ah
- Side broom
- Main sweeping roller
- Plate filter

## 7 Optional Accessories

### KM 625

- Main sweeper roller soft  
**item number: 7310000**
- Main sweeper roller medium  
**item number: 7310001**
- Main sweeper roller hard  
**item number: 7310002**
- Side broom  
**item number: 7310010**
- Plate filter  
**item number: 7310015**
- Polyester plate filter  
**item number: 7310016**
- AGM battery 12V 42 Ah  
**item number: 7310020**

### KM 825

- Main sweeper roller soft  
**item number: 7310005**
- Main sweeper roller medium  
**item number: 7310006**
- Seitenbesen  
**item number: 7310010**
- Plate filter  
**item number: 7310015**
- Polyester plate filter  
**item number: 7310016**
- AGM battery 12V 42 Ah  
**item number: 7310020**

## 8 Transport, Packaging, Storage

### Transport



#### CAUTION!

Injuries caused by parts falling over or off a forklift, pallet truck or transport vehicle.  
Only use means of transport that can carry the total weight and are suitable for it.

Improper transport of individual devices, unsecured devices stacked on top of each other or next to each other in packed or already unpacked condition is accident-prone and can cause damage or malfunctions for which we do not grant any liability or guarantee.

Transport the scope of delivery secured against shifting or tilting with a sufficiently dimensioned industrial truck to the installation site.

### General risks during internal transport



#### CAUTION: DANGER OF TIPPING!

The device may be lifted unsecured by a maximum of 2cm.  
Employees must be outside the danger zone, the reach of loads. Warn employees and, if necessary, advise employees of the hazard.

Devices may only be transported by authorized and qualified persons. Act responsibly during transport and always consider the consequences. Refrain from daring and risky actions.

Gradients and descents (e.g. driveways, ramps and the like) are particularly dangerous. If such passages are unavoidable, special caution is required.

Before starting the transport check the transport route for possible danger points, unevenness and disturbances as well as for sufficient strength and load capacity.

Danger points, unevenness and disturbance points must be inspected before transport. The removal of danger spots, disturbances and unevenness at the time of transport by other employees leads to considerable dangers.

Careful planning of internal transport is therefore essential.



## 8.1 Packaging

All used packaging materials and packaging aids are recyclable and should be taken to a materials recycling depot to be disposed of.

The delivery packaging is made of cardboard, so please dispose carefully by having it chopped up and given to the recycling collection.

The film is made of polyethylene (PE) and the cushioned parts of polystyrene (PS). Deliver these substances to a collection point for recyclable materials or to the waste disposal company which looks after your region.

## 8.2 Storage

Store the sweeper in a dry, clean and frost-free environment. If the machine is not used for more than one month, disconnect the red and black battery connection cable.

## 9 Description



Fig. 3: Description KM 625

- 1 Control panel
- 2 Push handle
- 3 Swivel castor
- 4 Sweeping brush
- 5 Running wheel
- 6 Dirt collecting container

## 9.1 Description of control panel



Fig. 4: Control panel

### 1 On / Off button

Button for switching the machine on and off.

### 2 Display

Numerical display indicating voltage or operating time.

### 3 Button for toggling between indicating voltage / operating hours and operating minutes. minutes

Numerical display button: Pressing the button displays the machine voltage, as well as the hours (one press) and minutes (two presses) of machine operation.

### 4 On / Off button for selecting the operating mode for light soiling

On-off button for selecting the operating mode: By pressing the button, two different operating modes can be selected: Mode 1 for light soiling and Mode 2 for intensive soiling.

### 5 On-off button for selecting the operating mode for intensive soiling

On-off button for selecting the operating mode: By pressing the button, two different operating modes can be selected: Mode 1 for light soiling and Mode 2 for intensive soiling.

### 6 Battery charge status indication

LED's for indicating the battery charge status. LED lights up green when the battery is charged, red when it is discharged and yellow when it is in reserve or recharge status.

### 7 Button for manual activation of the filter shaker

With the button the filter shaking can be activated. This function is in addition to the automatic shaking that occurs every 3 minutes.

**8 Button for switching off the automatically active intake fan**

Intake fan: The intake fan is automatically switched on during working operation. The switch is thus used when it is necessary to switch off the fan during machine operation.

**10 Assembling**

Unpack the machine carefully and avoid movements that could cause damage.

After removing the packaging, check the condition of the components. If any damaged parts are found, contact an authorised dealer immediately.

Proceed as follows to assemble the sweeper:

- Step 1: Remove the packaging of the sweeper and check that there is no damage to the machine.
- Step 2: Check that the scope of delivery is complete.
- Step 3: Lift the machine at the front and slide the sweeping brush onto the shaft..

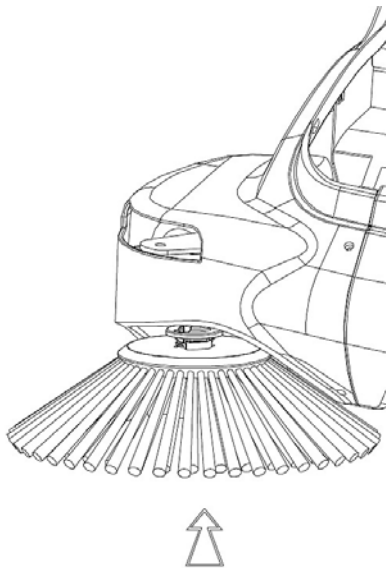


Fig. 5: Mounting the sweeping brush

Step 4: Unlock the clamping device of the push bar.

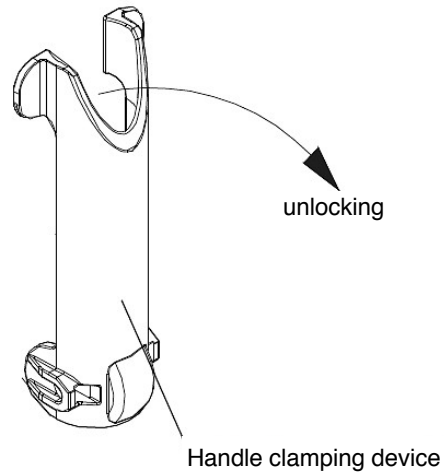


Fig. 6: Unlocking the clamping device

Step 5: Pull out the push bar to the desired height.



Fig. 7: Adjusting the push bar

Step 6: Clamp the clamping device of the push bar.

Step 7: Check the lever for lifting the suction lip for correct assembly. (model KM 825 only).



Fig. 8: Lever for lifting the suction lip

Step 8: Remove the top cover of the sweeper to access the battery.

Step 9: Connect the two cables with each other. Make sure the cables are connected correctly. (Red to Red and Black to Black)

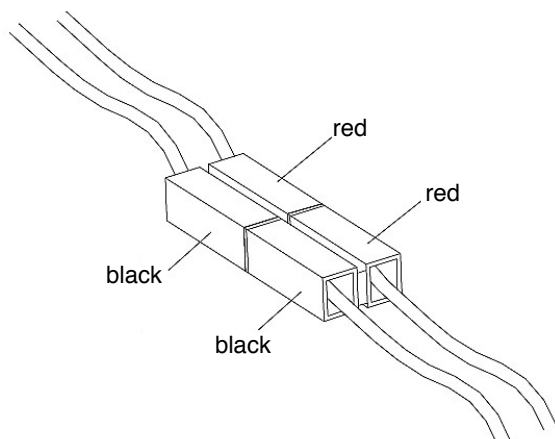


Fig. 9: Connect battery

## 11 Commissioning

After all assembly and preparation operations have been carried out, the sweeper can be used. To obtain the best performance and avoid damage to the machine, be sure to follow the instructions in the manual carefully.



### ATTENTION!

The machine is not designed for use on wet floors. However, if the machine is used in moderately damp areas (accumulation of moisture on the floor), it is essential to switch ON the suction filter to avoid filter damages. No guarantee is given in case of damage to the machine due to vacuuming of wet waste.

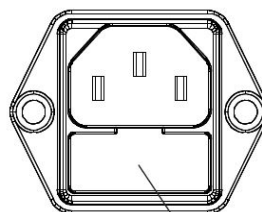
- Do not use the machine to pick up cables, ropes, threads, water or other liquids.
- If there is a lot of waste on the floor (paper, leaves, etc.), push up the front of the machine by pushing the handlebar downwards.
- To collect hard and bulky rubbish, lift the suction lips with the lever on the handle (Fig.8). As far as possible, do not operate the sweeper with the suction lip lifted, as this leads to poorer cleaning results.
- At the end of the work, switch on the filter shaker.

## 11.1 Operating the charger



### ATTENTION!

Be careful not to switch on the sweeper until the battery is fully charged. Stopping the charging process before the battery is fully charged may shorten the battery's life.



Fuse 2,5A

Fig 9.1: Charger fuse



### NOTE!

The fuse of the charger is 2.5 A.

As soon as the battery of the machine is discharged, the red LED on the control panel lights up and all machine functions switch off automatically. The operator must therefore switch off the machine and start the charging process by connecting the charger plug to the machine and the power supply. During the charging process, the yellow LED lights up on the display. When charging is complete, the green LED lights up. The charger plug can now be pulled out and the machine can be used again.

## 12 Operation



### ATTENTION!

The machine must only be used by authorised personnel. Do not leave the machine unattended when it is switched on.



### ATTENTION!

Empty the dirt collection container regularly to ensure safe work operation.



### CAUTION!

Do not use the sweeper in wet areas!

Step 1: Switch on the unit by pressing the ON/OFF button.

Step 2: Check that the green LED is lit and that the battery is charged.

Step 3: Select the appropriate operating mode:

- On / Off switch 1 for light soiling and smooth floors.
- On / Off switch 2 for heavy dirt, cement, smooth asphalt or carpeted floors.



### NOTE!

When using operation mode 2, the battery working time of the machine is reduced.

### 12.1 Adjusting the side brush

Depending on the application and wear, the side brush can be adjusted by using the adjustment screw (Fig. 10). Remove the top cover and turn the adjustment screw clockwise to increase the distance to the ground. Turn the adjustment screw anticlockwise to decrease the distance.

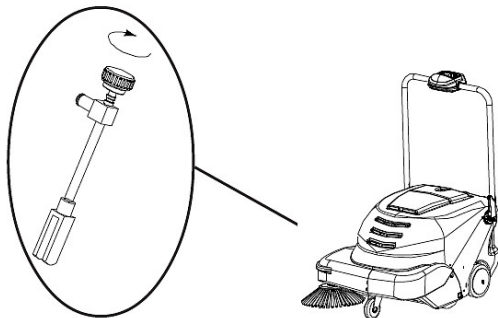


Fig. 10: Side brush adjustment

## 13 Care, Maintenance and Repair

### 13.1 Care by cleaning

The sweeper must always be kept in a clean condition.



#### Wear protective gloves

Wear suitable protective gloves for cleaning to protect against injury.

- Clean the sweeper only with a dry or damp cloth. Do not use aggressive chemicals or scouring agents for cleaning.
- Remove foreign objects such as leaves, twigs, etc. from the brushes.
- Do not wash the brushes with hot water.
- Regularly check the drive belts for correct fit and tension.
- Store the sweeper indoors in a dry place protected from dust, dirt and extreme temperatures.
- Keep metal parts dry to avoid or minimise corrosion.
- Avoid sweeping in long strings or ropes, as the brushes can become tangled and damaged. If a rope or thread becomes tangled, please remove the reversing roller.

#### 13.1.1 Emptying the dirt collection container



### ATTENTION!

Clean all parts of the sweeper when you finished working with the machine. Empty the container and wipe it with a cloth.



### ATTENTION!

Never use the sweeper without dirt collection container.

Before removing the dirt collection container, make sure that the machine is switched off.

Step 1: Unlock the locking clamp of the dirt collection container.

Step 2: Pull the handle to remove the container.

Step 3: Empty the container.

Step 4: Clean the dirt collection container and put it back into the sweeper.

Step 5: Tighten the locking clamp of the dirt collection container.

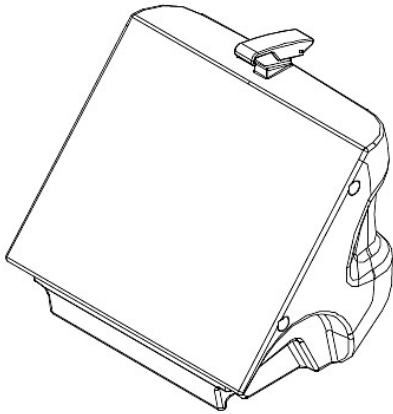


Fig. 11: Emptying the dirt collection container

### 13.1.2 Clean pre-filter

The filters are essential and fundamental machine parts for proper operation. By cleaning the filters correctly, your machine will perform at its best.

Step 1: Remove the dirt collection container.

Step 2: Unlock both metal clips of the pre-filter.

Step 3: Remove the pre-filter.

Step 4: Clean the pre-filter and let it dry if necessary.

Step 5: Insert the pre-filter and secure it with the two metal clamps.

Step 6: Replace the dirt collection container and clamp it firmly.

### 13.1.3 Clean main filter

The main filter can be cleaned in three ways:

#### Automatic filter shaker

During operation, the filter shaker switches on automatically every 3 minutes.

#### Switching on the filter shaker manually

A simple operation is enough to clean the filter. Press and hold the PUSH-button (7) for a few seconds and repeat this action 4 to 5 times. It is recommended to perform this operation at the end of each work cycle.

If the machine is used in dusty environments, the manual filter shaker should be used more frequently.

### Manual cleaning of the main filter

The filter should be cleaned every 20 working hours. If the filter shaker alone is not enough, the filter can be cleaned manually. Before carrying out any work on the machine, make sure that it is switched off and that all functions are deactivated.

Step 1: Remove the dirt collection container.

Step 2: Remove the main filter.

Step 3: Shake out the filter or clean it with compressed air.!



#### **Wear protective goggles!**

Risk of eye injuries. Always wear safety goggles when cleaning the components. Particular care is required by using compressed air.

Step 4: Replace the main filter.

Step 5: Replace the dirt collection container and clamp it in place.

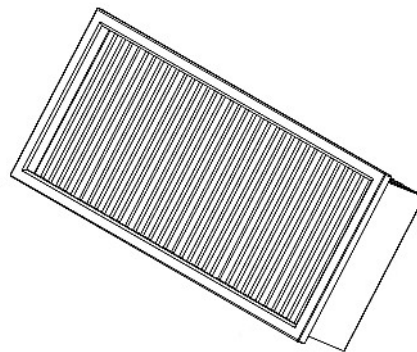


Fig. 12: Clean main filter

### 13.2 Maintenance and Service/Repair



**ATTENTION!**

Maintenance and repair work must always be carried out by qualified personnel; any damaged parts may only be replaced with original spare parts.



**ATTENTION!**

Unplug the battery and the charger before carrying out maintenance work on the machine.

Regularly check the belt of the machine for good fit. Replace the belt if it is worn.

Regularly check the brushes for wear and replace them if necessary.

**Maintenance intervals:**

	On delivery	Daily	Every 10 hours	Every 20 hours	Every 50 hours	Every 100 hours
Check the functionality of all components	X	X	X	X	X	X
Empty and clean the dirt collection container		X				
Remove and clean the pre-filter		X				
Check the seals			X			
Check the main filter (clean, if necessary)				X		
Check bolts and nuts for tightness					X	
Check wear of the rollers and brushes					X	
Check the belt tension						X

If the hand sweeper does not work properly, contact a specialist dealer or our customer service. You will find the contact details in chapter 1.2 Customer service.



**ATTENTION!**

Maintenance and repairs must always be carried out by qualified personnel. Any damaged parts must only be replaced with original spare parts.

#### 13.2.1 Replacing the sweeping brush

Step 1: Switch off the machine.

Step 2: Lift the machine at the front.

Step 3: Press in the two tabs on the sweeping brush and pull it out downwards.

Step 4: Insert the new sweeping brush and press it in until it is locked in place.

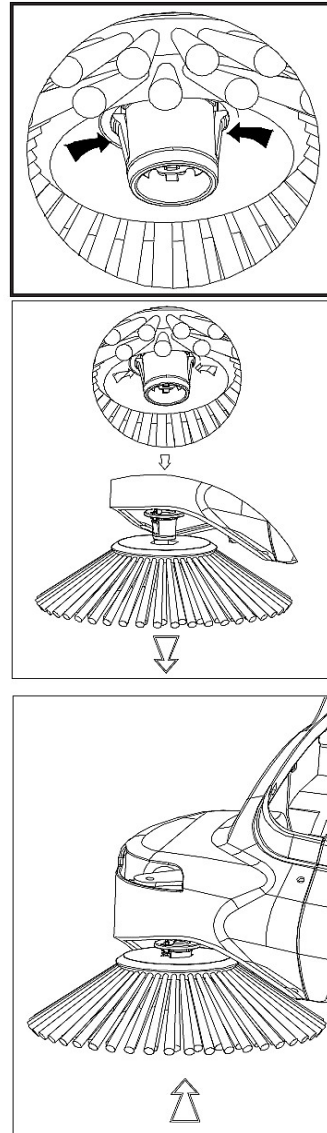


Fig. 13: Replacing the sweeping brush

### 13.2.2 Replacing the main sweeper roller

Step 1: Switch off the machine.

Step 2: Tilt the machine backwards until the handle touches the ground.

Step 3: Turn the sweeper roller until a black push button is visible on the right side.

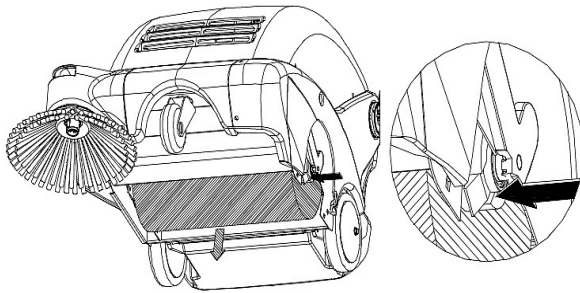


Fig. 14: Push button on the sweeper roller

Step 4: Press the black push-button to unlock the sweeper roller.

Step 5: Remove the sweeper roller by pulling it downwards.

Step 6: Insert the new sweeper roller into the guide from below.

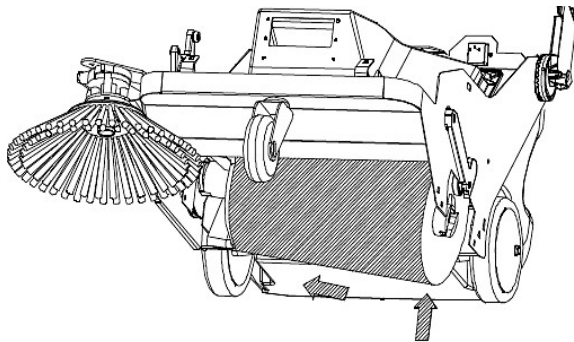


Fig. 15: Insert new sweeper roller

Step 7: Stand the machine up again.

## 14 Disposal, Recycling of old Equipment

In your own interests and in the interest of the environment, please ensure that all components of the machine are disposed of in the proper and approved way.

### 14.1 Decommission

Immediately decommission disused machines in order to avoid later misuse and endangering of the environment or personal safety.

- Eliminate all environmentally hazardous operating materials from the used device.
- If required, disassemble the machine into easy-to-handle and usable components and parts.
- Dispose of machine components and operating materials by the disposal channels provided.

### 14.2 Disposal of electrical equipment

Please note that electrical appliances contain a variety of recyclable materials as well as environmentally harmful components.

Make sure that these components are disposed of separately and properly. In case of doubt, please contact your municipal waste disposal.

If necessary, the help of a specialized waste disposal company can be used for the treatment.

### 14.3 Disposal via municipal Collecting points

Disposal of used electrical and electronic equipment (to be applied in the countries of the European Union and other European countries with a separate collection system for this equipment).



The symbol on the product or its packaging indicates that this product should not be treated as normal household waste, but should be taken to a collection point for the recycling of electrical and electronic equipment. By helping to dispose of this product correctly, you are protecting the environment and the health of those around you. The environment and health are endangered by incorrect disposal. Material recycling helps to reduce the consumption of raw materials. For more information about recycling this product, contact your local council, municipal waste disposal service or the shop where you purchased the product.

## 15 Troubleshooting



### NOTE!

If you cannot fix the problems with your sweeper by yourself, please contact your local Cleancraft dealer.

Please write down the following information regarding the sweeper or the operating instructions so that we can support you in the best manner.

- Model name of the machine
- Serial number of the machine
- Year of manufacture
- Exact description of the error

Fault	Remedy
Unsatisfactory sweeping result	<ol style="list-style-type: none"> <li>1. Empty the dirt collection container</li> <li>2. Adjust the height of the main brush</li> <li>3. Clean or replace the main brush</li> <li>4. Replace drive belt</li> <li>5. Adjust / replace / clean side brush</li> <li>6. Adjust the height of the side brush</li> </ol>

### 15.1 Display error codes

Code	Fault	Remedy
C22	Protection of the sweeper roller against short-circuits: All functions stops.	Switch the machine OFF and then ON again.
C14	Heat dissipator for high temperatures. Switches on at a temperature above 90 °C.	The machine is reset as soon as the temperature drops below 80 °C.
FS0	Roller/brush worn out.	Replace roller/brush.
SP1	Defective brush.	Is activated when the brushes stop three times within one minute. Fault can be reset by switching off the machine.

Code	Fault	Remedy
Yellow LED lights up	Reserve state of the battery	You can continue operating the machine. Just for reference, the battery is being charged.
Red LED flashes	Empty battery	All machine functions are interrupted. Switch off the machine and charge the battery.
P1.X	Push-button programming of operating mode 1 activated.	See "programming" chapter below
P2.X	Push-button programming of operating mode 2 activated.	See "programming" chapter below
SF.X	Filter shaker programme setting is activated.	See "programming" chapter below

#### 15.1.1 Programming

Your machine has factory set for optimal operation so no further adjustments are necessary. However, if any of the following codes appear: P1.x, P2.x or SF.x (x= value between 0 and 9), follow the programming instructions to reset the display. Operating the machine with settings other than the factory settings may cause operational problems.

#### 15.1.2 Programming guide

If the display indicates P1.0, P2.1 or SF.3, switch the machine off and on again to reset the display (these are the factory settings). If the display shows higher values than above (e.g. P1. "5", P2. "7", SF. "9"), proceed as follows:

To call up the factory settings, switch on the machine, press the display switch and hold it pressed for at least 3 seconds (battery/time symbols). P1.x will appear on the display. The value P1 should be "0" (e.g. P1.0). If the value is greater than "0", press the intake fan push button until P1.0 appears on the display. Press the display switch again to display the next code. The value P2.x should be "1" (e.g. P2.1). Press the push button of the intake fan to achieve the correct setting. Press the display button to show the last code. The code should be SF.3. If the value is not "3", press the filter shaker button until SF.3 appears on the display. To exit the programming function, switch off the machine.



## 16 Spare Parts



### **DANGER!**

#### **Risk of injury due to incorrect spare parts!**

The use of incorrect or faulty replacement parts may cause danger to the operator and cause damage and malfunction.

- Only use original spare parts from the manufacturer or replacement parts approved by the manufacturer.
- In case of doubt, always contact the manufacturer.



### **Loss of warranty**

The manufacturer's warranty will become null and void if non-permissible spare parts are used.

### 16.1 Ordering spare parts

The spare parts may be purchased with the authorised dealer or directly with the manufacturer. Please find the corresponding contact data in Chapter 1.2 Customer service.

Indicate the following basic information for requests or orders of spare parts:

- Type of device
- Item No.
- Position No.
- Year of construction
- Quantity
- Required mode of dispatch (mail, freight, sea, air, express)
- Address of dispatch

Spare parts orders without the information mentioned above cannot be considered. If the shipping method is not specified, shipping will be at the discretion of the supplier.

Details of the unit type, item number and year of manufacture can be found on the type plate attached to the sweeper.

### **Example**

The battery for the KM 625 sweeper must be ordered. The battery has the number 39 in spare parts drawing 1.

When ordering spare parts, send a copy of the spare parts drawing (1) with the marked component (battery) and marked position number (39) to the authorised dealer or the spare parts department and provide the following information:

- Type of device:           **Sweeper KM 625**
- Item number:           **7302162**
- Spare parts drawing: **1**
- Position number:       **39**

## 16.2 Spare parts drawings

The following drawings should help in case of service to identify necessary spare parts. To order, send a copy of the parts drawing with the parts marked to your authorized dealer.

### 16.2.1 Spare parts drawings KM 625

#### Spare parts drawing 1

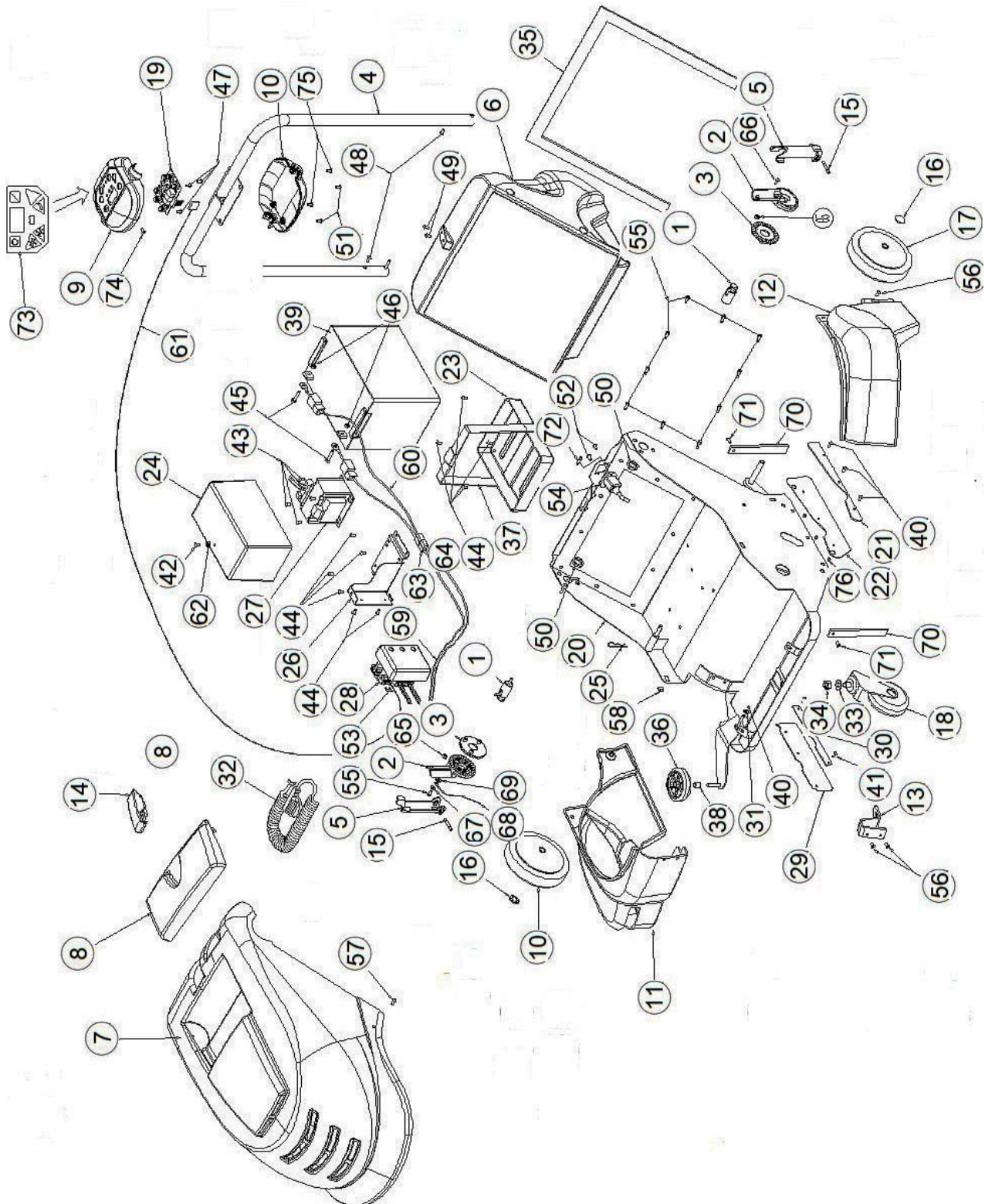


Fig. 16: Spare parts drawing 1 KM 625

Spare parts drawing 2

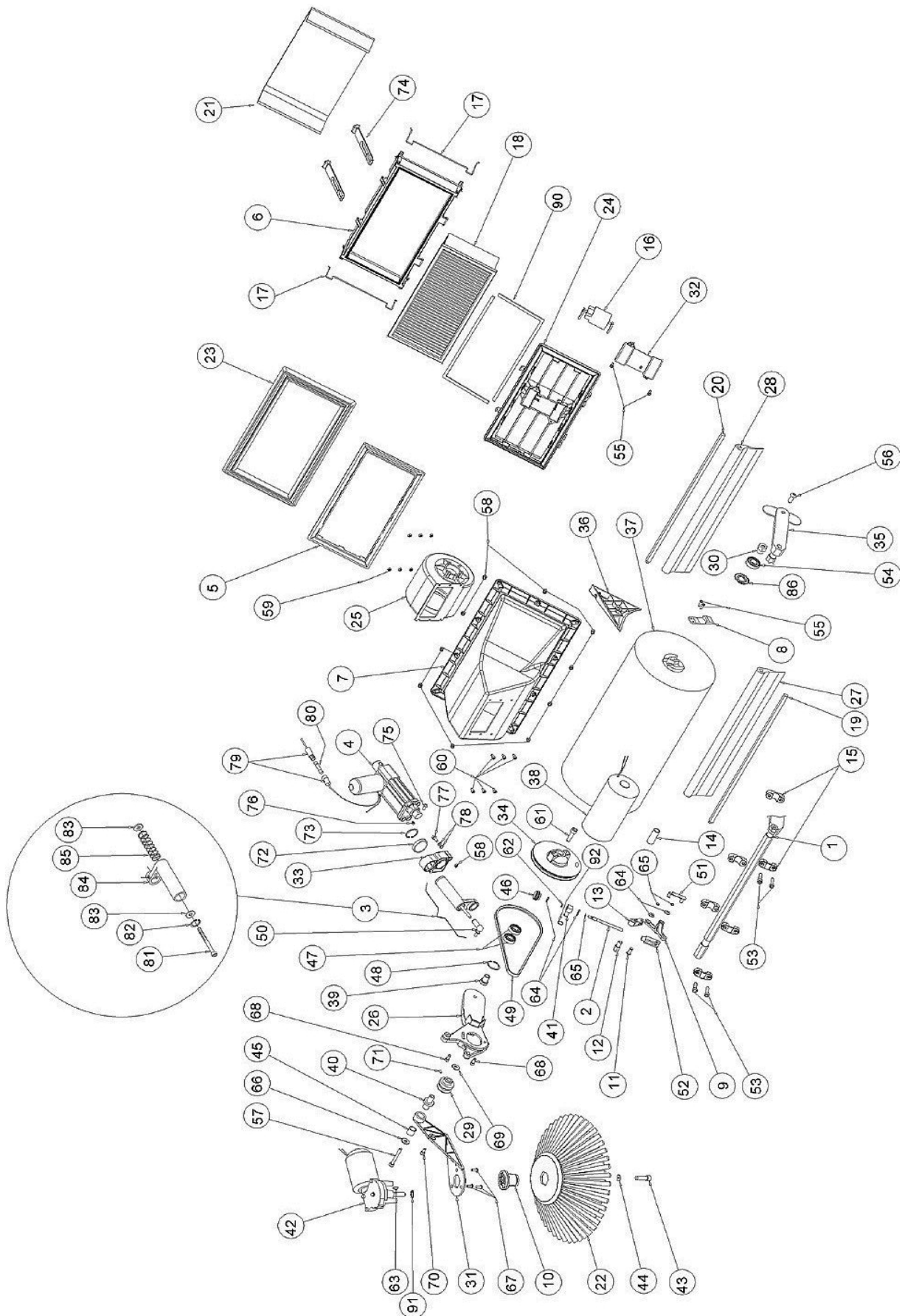


Fig. 17: Spare parts drawing 2 KM 625

16.2.2 Spare parts drawings KM 825

Spare parts drawing 1

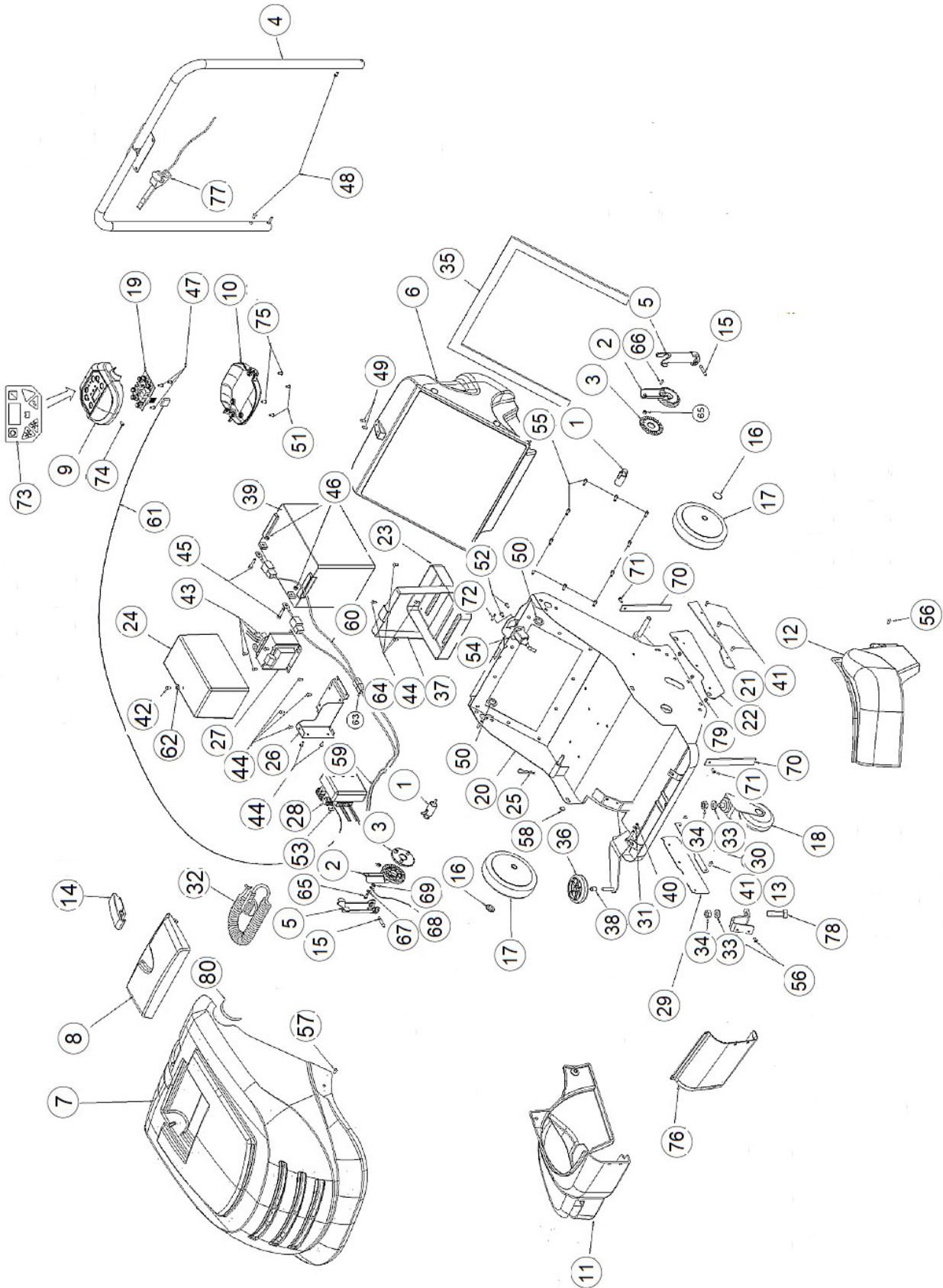


Fig. 18: Spare parts drawing 1 KM 825



## 17 Electrical Circuit Diagrams

### 17.1 Electrical circuit diagram KM 625

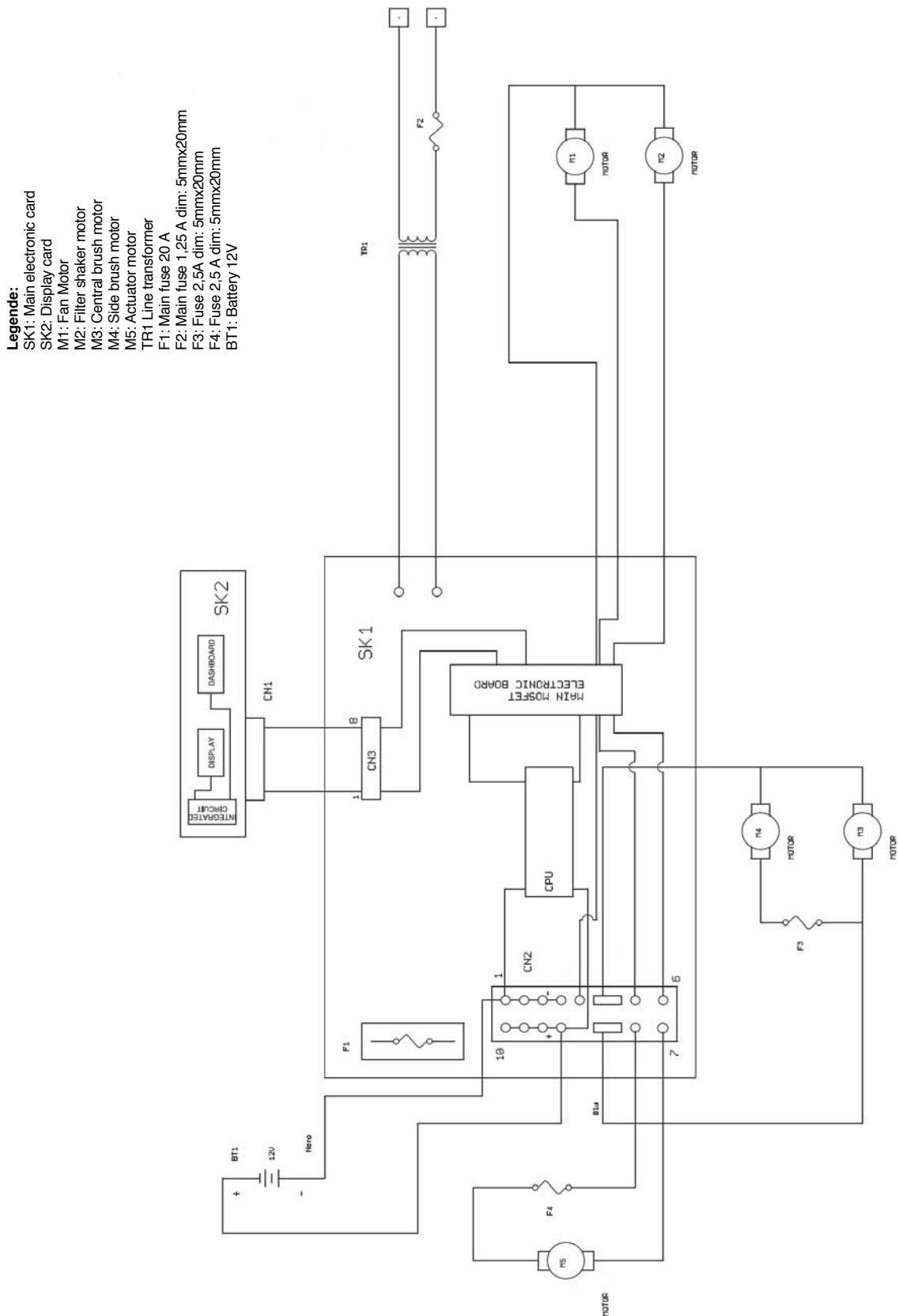


Fig. 20: Electrical circuit diagram KM 625

### 17.2 Electrical circuit diagram KM 825

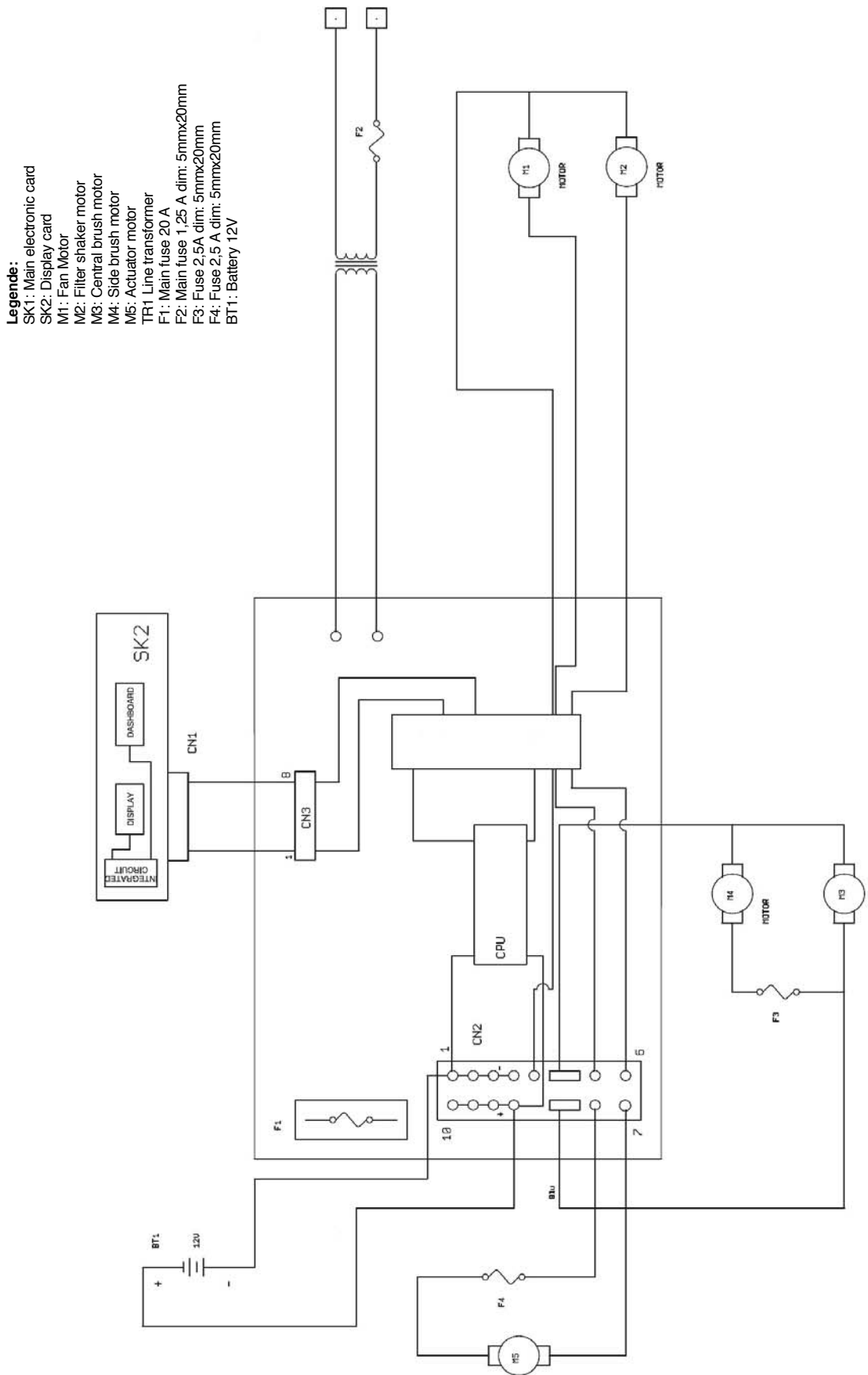


Fig. 21: Electrical circuit diagram KM 825

## 18 EC - Declaration of Conformity

According to Machinery Directive 2006/42/EC Annex II 1.A

**Manufacturer/Distributor:** Stürmer Maschinen GmbH  
 Dr.-Robert-Pfleger-Str. 26  
 D-96103 Hallstadt

hereby declares that the following product

**Product group:** Cleancraft® Cleaning technology  
**Type of machine:** Sweeper

**Designation of machine \*:**  KM 625  KM 825 **Item number \*:**  7302162  7302182

**Serial number \*:** \_\_\_\_\_

**Year of manufacture \*:** 20\_\_\_\_\_

\* please fill in these fields according to the information on the type plate

complies with all relevant provisions of the above mentioned directive as well as the other applied directives (below) - including their applicable modifications at the time of the declaration.

**Relevant EU Directives:**

2011/65/EU	RoHS Directive
2012/19/EU	WEEE Directive
2014/30/EU	EMC Directive
2000/14/EG	Outdoor Directive

**The following standards where applied:**

- DIN EN 55012:2010-04 Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers
- DIN EN IEC 61000-6-2:2019-11 Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments
- DIN EN 61000-4-2:2009-12 Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test
- DIN EN 61000-4-3:2011-04 Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test
- DIN EN 60335-1:2020-08 Household and similar electrical appliances - Safety - Part 1: General requirements
- DIN EN 61000-4-4:2013-04 Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test
- DIN EN 61000-4-5:2015-03 Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test
- DIN EN 61000-4-6:2014-08 Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
- DIN EN 61000-4-11:2019-06 Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests
- DIN EN 61000-4-13:2016-10 Electromagnetic compatibility (EMC) - Part 4-13: Testing and measurement techniques - Harmonics and interharmonics including mains signaling at a.c. power port, low frequency immunity tests

**Responsible for documentation:** Kilian Stürmer, Stürmer Maschinen GmbH,  
 Dr.-Robert-Pfleger-Str. 26, D-96103 Hallstadt

Hallstadt, 23.02.2021



Kilian Stürmer  
 Managing Director





## 19 Notes

