Original
Operating instructions

Weber scissor lift
Model: KHB-1000E

Version 2.2
Status: June 2025

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Contents

The test logbook can be found in the appendix.

The information contained in these operating instructions has been carefully checked, but errors cannot be completely ruled out. These instructions are intended for users with technical knowledge in the field of vehicle inspection and repair. We reserve the right to make technical and content-related changes.

Status of the operating instructions: June 2025

All images shown are sample images. Colour deviations possible!

1 Security

1.1 Intended use

Your lift is type-approved and offers you the best possible economy and safety. It is up to you to utilise these advantages.

This requires correct operation, proper maintenance and good care of the lift. Read these operating instructions carefully. It provides you with all the necessary information and shows you how easy it is to keep your lift ready for use at all times.

Your lift is designed exclusively for lifting cars or motor vehicles whose total weight does not exceed the maximum permissible load capacity and load distribution of the lift and whose pick-up points specified by the vehicle manufacturer are located in the pick-up area of the lift.

Always use all 4 pick-up points.

Your lifting platform is used to lift motor vehicles.

Passenger transport is prohibited.

When using the lifting platform in paint shops or rooms in which there is a high volume of

materials containing solvents.

The drive is not explosion-proof as standard.

The operating instructions are an integral part of a lifting platform.

An expert is a person who has sufficient knowledge in the field of lifting platforms based on their professional training and experience and who is familiar with the relevant national regulations, accident prevention regulations and generally recognised rules of technology:

z. e.g. BG regulations, DIN standards, VDE regulations, technical regulations of other member states of the European Union.

No liability is accepted for personal injury, damage to the vehicle and to the lifting platform caused by failure to observe these operating instructions.

The following safety instructions warn of dangers and are intended to help prevent personal injury and damage to property. For your own safety, compliance with the safety instructions in this operating manual is absolutely essential. In addition, the applicable national and international safety regulations of the relevant authorities for occupational safety and accident prevention must be observed. Each operator is responsible for compliance with these regulations.

1.2 Safety instructions for commissioning

The KHB-1000E scissor lift is approved for installation and use in dry rooms. Installation in damp, wet or potentially explosive atmospheres is not permitted.

The operator is responsible for the selection of the installation site, the ground conditions, the load-bearing capacity of suspended ceilings, etc. It must be ensured by testing or architect's specifications that the ground conditions meet the requirements or that foundations are laid that fulfil the requirements.

The mains connection of the lifting platform may only be carried out by authorised electrical contractors. National regulations must be observed.

Precautions must be taken on site to prevent hydraulic oil from entering the soil.

1.3 Safety regulations for operation

The operating instructions must be accessible and must be observed by every user. The statutory accident prevention regulations must be observed. Statutory provisions and regulations take precedence over the operating instructions.

The lifting platform may only be operated by authorised and instructed persons who have reached the age of 18. To prevent unauthorised use, the lift has a lockable main switch.

The movement area of load and lifting platform parts must be kept clear of obstacles. The lifting platform must always be monitored during lifting and lowering.

The intended use must be ensured. The specified payload must not be exceeded. The load distribution must always be observed. The load distribution must be in a ratio of 2:3 and 3:2.

The lifting platform and the work area must be kept clean. Parts of the electrical system must be protected from moisture and wetness.

The lift may only be driven on in the lowest basic position. The vehicle may only be lifted at the designated points on the vehicle using the rubber supports.

After briefly lifting free, check that the vehicle is securely supported and that the load is distributed in accordance with the manufacturer's specifications.

The vehicle doors must be closed during lifting and lowering. No parts or tools may be placed on the lift, the rails or on the vehicle to be lifted.

It is forbidden for persons to remain in the danger zone of loads and the lifting platform during the lifting and lowering process.

Persons may not be transported on the lifting platform. Climbing up the lifting platform is also prohibited.

The correct function of the safety devices must be checked regularly. Safety devices must not be put out of operation or their function manipulated in any other way. The lift must not be used if there are any irregularities in the safety equipment.

The main switch is also an emergency stop switch and must be switched off in dangerous situations.

1.4 Safety instructions for service work

Maintenance and repair work may only be carried out by authorised service technicians of the contractual partners of Weber GmbH.

Before carrying out maintenance and repair work, the lift must be disconnected from the power supply (main switch off, fuse off). Suitable measures must be taken to prevent it from being switched on again.

Work on the electrical part of the lift or on the supply line may only be carried out by authorised experts or electricians.

Settings and changes to pulse generators, proximity switches etc. may only be carried out by trained service technicians.

1.5 Safety equipment on the lifting platform

Dead man's control: The function of the operating elements is only available or active as long as the respective operating element is held in the corresponding position.

Emergency stop: The main switch has the function of the "EMERGENCY STOP SWITCH".

Front ring operating button: The operating buttons are secured against unintentional actuation by front rings.

Synchronisation control: Is ensured by a torsion tube that firmly connects the two rails via the scissor system.

Safety pawls: The engagement of safety pawls prevents the load from being lowered if the hydraulic system breaks or leaks.

Safety limit switch: Switch-off mechanism at the upper end of the scissor system to limit the maximum stroke.

Pressure relief valve: A built-in pressure relief valve limits the working pressure of the hydraulics to the maximum permissible value.

CE stop switch: By activating the CE stop switch, the electrical circuit is interrupted when the lift is lowered approx. 30 cm from the ground, thus stopping the lift. An acoustic warning signal sounds when the lift is lowered further to the lower home position.

2 Technical manual

2.1 Scope of delivery

The scope of delivery of the lift includes

1	Lifting platform incl. rails
1	Electric control cabinet with hydraulic unit
2	Removable transport castors
1	Transport bar
4	Access ramps
4	Universal rubber underlays

Optionally available

110510 - 10 litre hydraulic oil HLP 32

To simplify the operator's work, the lift can be equipped or used with accessories. Only original accessories from the manufacturer are permitted.

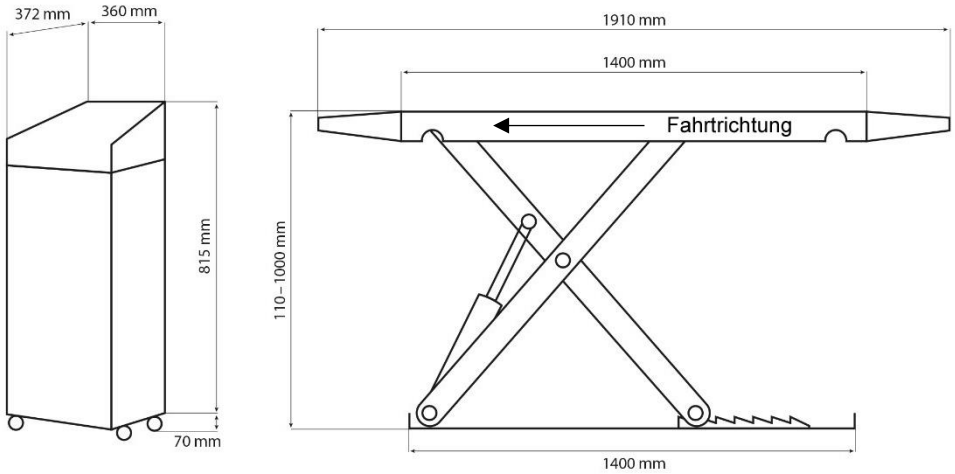
2.2 Technical data

Load capacity	3000 kg
Lifting height max.	1000 mm
Drive-over height	110 mm
Recording length	1400 - 1910 mm
Platform distance	855 mm
Track width	460 mm
Total width of rails	1775 mm
Installation width	1890 mm
Weight	520 kg
Engine power	2.2 kW
Hub time	approx. 45 sec.
Electrical connection	230 V / 1 Ph / 16 A inert / 50 Hz
Noise level	≤ 70 dB
Colour of rails / frame	anthracite grey RAL-7016
Colour scissors / ramps	black RAL-9017
Hydraulic oil filling quantity	approx. 6 litres
Viscosity of hydraulic oil	HLP 32

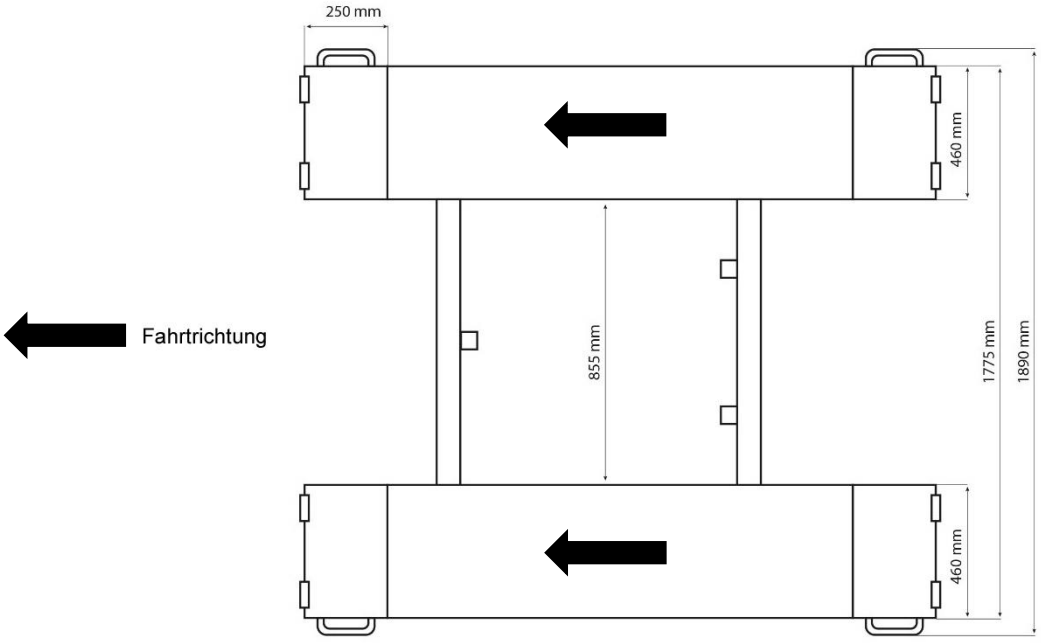
Note: Specifications are subject to change without notice.

All images shown are sample images. Colour deviations possible!

PROFISERIE **KHB 1000E** Alle Angaben in mm



Seitenansicht



Draufsicht

2.3 EU Declaration of Conformity

We

Weber GmbH
Sülzbach 1
37293 Herleshausen

hereby declare that the machine designated below complies with the relevant basic safety requirements of the EC Directive due to its design and construction and in the version placed on the market by us. This declaration shall lose its validity if the machine is modified without the agreement of the undersigned.
This declaration loses its validity in the event of improper use, as well as in the event of assembly, conversion or modifications not agreed with us.

Designation:	Mobile scissor lift
Model:	KHB-1000E
Relevant EC Directive:	2006/42/EC according to Annex IV Machinery Directive EN1493:2010 Lifting platforms EN ISO 12100:2010 Safety of machinery - General principles for design - Risk assessment and risk reduction EN60204-1:2018 Safety of machinery - Electrical equipment of machines - Part 1: General requirements
Certificate:	CE-MC-230310-014-02-5A Valid until 29.12.2026
Issuer of the certificate:	CCQS Certification Service Limited Block 1 Blanchardstown Corporate Park, Ballycoolin Road Blanchardstown, Dublin 15 D15 AKK1, Ireland Identification no. 2834

Authorised person to compile the technical documentation: Andreas Weber
(Address as above)

Herleshausen, June 2025

Place/Date

Andreas Weber / Managing Director

3 Important information

ATTENTION! IMPORTANT INFORMATION

!	Read the operating instructions for the lift completely before assembly and commissioning! Non-observance can lead to personal injury and/or damage to the lifting platform!
!	Also watch the video "Weber scissor lift KHB-1000E - assembly and commissioning" on YouTube. https://youtu.be/RmjdZq4-Tpg
1.	Check the position of the timer relay to release the safety catches. See operating instructions on page 14.
2.	Check the pre-assembled and pre-set upper limit switch for tight fit and function. Readjust it if necessary. See operating instructions on page 14.
3.	Set the lowering speed as described in point 4.16 Commissioning. See operating instructions page 19
!	Failure to observe the operating instructions and any resulting damage will invalidate the guarantee and warranty!

ATTENTION! IMPORTANT INFORMATION

4 Assembly of the lifting platform

4.1 Foreword

The operating instructions must be read and followed exactly before removing from the packaging. Failure to do so will result in exclusion of liability and warranty. Please note that incorrect installation may result in danger to life and limb. Initial installation and commissioning must be carried out by service companies authorised by Weber. Weber GmbH accepts no liability, guarantee or warranty for products and parts thereof destroyed by improper installation or handling. Please refer to the sheet "Initial commissioning by an expert".

As already mentioned in the introduction, this product should be installed by a competent professional. However, if you are new to installation, we would like to provide you with the following information:

Our products, some of which are pre-assembled, are not fully assembled and checked for function before despatch, but merely assembled to make installation easier. Many individual components are subjected to a test run at the factory, for example a hydraulic pump is tested before assembly. Of course, the complete hydraulic circuit cannot be subjected to a pressure and leak test at the factory, as the various individual parts are only assembled at your premises. These tests must therefore be carried out on site during commissioning. Loading, unloading and transport cause vibrations to which the product is not exposed during "normal operation", which is why it is essential to check any electrical controls already pre-installed on the product for loosely vibrated screw connections. As a general rule, pre-assembled parts, just like parts still to be installed, must be checked, tightened, greased and oiled and, if necessary, repaired in accordance with the recognised rules of technology before commissioning. It is to be expected that, for example, a thread soiled by paint will have to be recut; this is a normal part of the assembly of a lift and not a defect under the terms of the warranty. A screw that has been screwed in at an angle or torn off due to excessive torque is also not a defect; these risks are borne by the fitter.

Below are some tips on the various assemblies:

Check **screws and mechanics** for correct and tight fit, check moving parts for ease of movement and lubricate.

Check the hydraulics for correctly sealed and firmly tightened connection fittings and seal if necessary. **Caution!** If Teflon tape is used, it must not get into the hydraulic circuit to prevent contamination of the valve technology. Screw connections sealed with Teflon tape must not be loosened (turned backwards), otherwise they must be resealed. During the functional test, check the entire system for leaks and ensure that no oil can escape into the ground in the event of a leak. When laying hydraulic lines, make sure that they are not grazed or crushed by moving parts and secure them if necessary. Lubricate the hydraulic cylinders through the vent hole with maintenance oil with Mos2 additive (we recommend Oregon Premium Maintenance Spray or Pingo MOS2) to ensure that the seal packs are well lubricated and glide smoothly from the first operation.

Check cable pulls, pulleys and moving parts (if present) for ease of movement, lubricate and grease (we recommend Oregon or Liqui Moly multi-purpose grease). If necessary, remove rollers that are difficult to move and check for dirt (remove any paint residue etc.) and refit the roller with grease. Always check that the retaining rings are correctly seated. Lubricate cable pulls regularly with grease to protect parts from corrosion, especially those close to the ground. Grease lift tables and sliding carriages to ensure smooth, jerk-free gliding even under load. **Caution!** Good lubrication is required regularly and prevents premature wear.

Electronics and wiring should always be checked and installed by a specialised electrical company. Before carrying out any work, switch off the main switch and fuses of the mains connection and secure against unintentional restarting. Check cables for correct routing and ensure that they do not come into contact with moving parts; secure them additionally if necessary. Check that all screw connections, including those in the switch box, are tight and, if necessary, carefully check the cable ends for correct, tight fit using needle-nose pliers. An incorrectly inserted cable may not make contact even if the screw terminal is tight. Check the function of the limit and proximity switches.

4.2 Choice of location

The lifting platform is approved for installation in closed, dry workshop areas. Use in damp, wet or potentially explosive atmospheres is not permitted.

4.3 Floor condition / installation surface

The mobile scissor lift must be set up on a sufficiently firm floor that can withstand the force exerted on the floor support surface. The load-bearing capacity of the floor must not be less than 1.3 kg/cm². This surface must extend over at least 2500 x 2000 mm and must not have any expansion joints or cracks that could disrupt the strength of the reinforcement. The support surfaces must be even and levelled to each other (+/- 5 mm). The operator is responsible for selecting the correct installation site and ensuring the load-bearing capacity of the floor.

CAUTION: Floors that do not fulfil the requirements can cause serious damage to property and personal injury**.**

4.4 Foundation plan

Not applicable for this model. See floor conditions / installation surface

4.5 Preparation for assembly

To determine the location of the lift, you should position a vehicle at the desired working position in your workshop. Mark the optimum position of the lift with chalk marks on the floor. Pay attention to the drive-on direction of the rails **(see point 4.15)**. Position the transport frame of the lifting platform close to the installation area, ensure that it is clean and that there is sufficient working space available for assembly. Detach the accessory packaging from the lifting platform, remove the parts and store them outside the working area. Ensure that no parts are lost.

4.6 Assembly of the scissor lift

Remove the accessories and the mobile scissor lift from the transport pallet (Fig. 1) and place them in the intended location. Also remove the electrical cabinet from the transport box (Fig. 2). Fit the four transport castors under the electrical enclosure.

Fig. 1

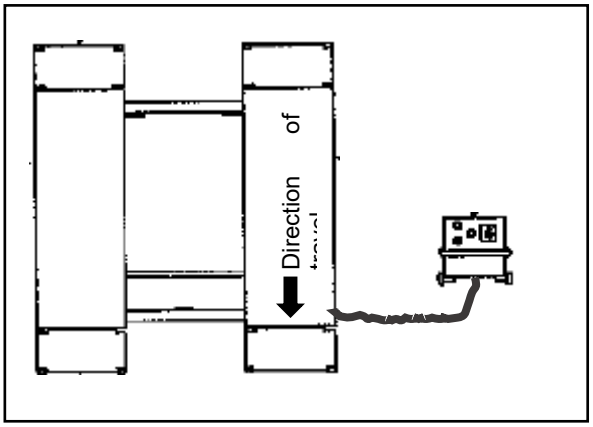


Fig. 2

4.7 Installation of the control unit and cabling

Open the door of the electrical control box. There you will find a combination plug in which the cable pairs for the upper limit switch, the CE stop switch and the control of the lifting magnets are brought together. This plug (Fig. 3) is only connected after the cable protection conduit has been fitted **in point 4.9**. Check that all connection terminals in the electrical switch box and in the motor connection panel are secure and correctly seated.

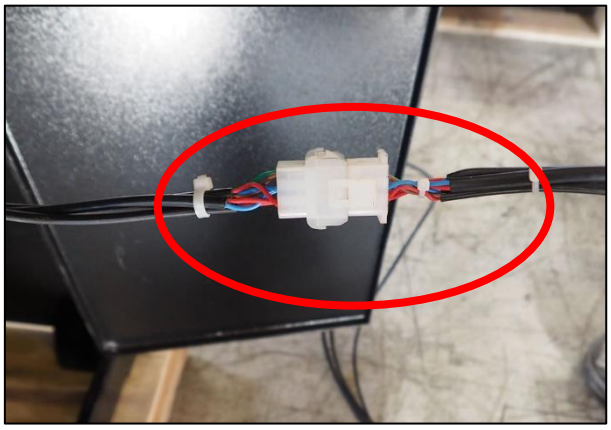


Fig. 3

The mains connection in the control housing and on site (230V/50Hz/fuse 16 A and a C tripping characteristic) must be made by an authorised electrician. Depending on the legal regulations, the supply line should be a cable with a cross-section of at least 3x2.5qmm.

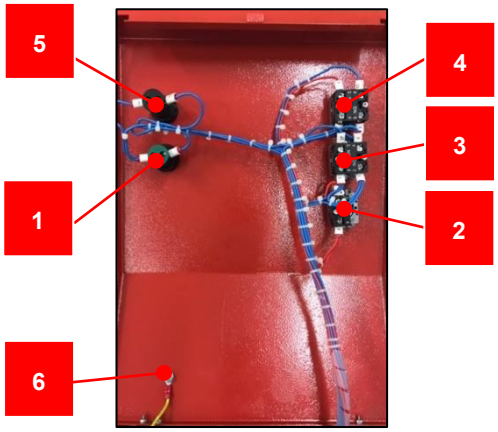


Fig. 4

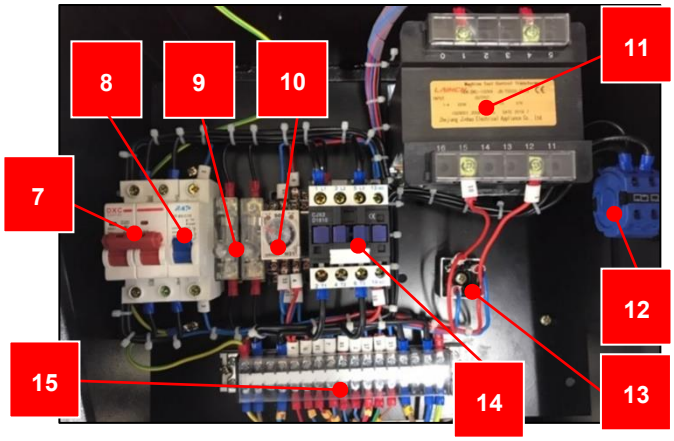


Fig. 5

1	Pilot light
2	Lift" button
3	Park" / "Set down" button
4	Lower" button
5	acoustic signalling device"
6	Earth contact PE
7	Circuit breaker
8	Circuit breaker
9	Miniature fuses / fuses
10	Timer relay
11	Transformer
12	Main switch
13	Rectifier
14	Motor contactor
15	Terminal block

4.8 Mounting the hydraulics

Ensure that connecting pieces sealed with Teflon tape (already fitted to the hydraulic unit) are never loosened (turned backwards), otherwise the connecting pieces must be dismantled and resealed. Fill hydraulic oil HLP 32 (order no. 110510) into the hydraulic oil tank of the pump up to the specified fill level (Fig. 6). Ensure that no oil gets into the ground. The filling quantity is approx. 6 litres of oil. As soon as the first test lift is carried out, it is essential to check the tightness of all screw connections to rule out any leaks and to check the oil level in the tank again.

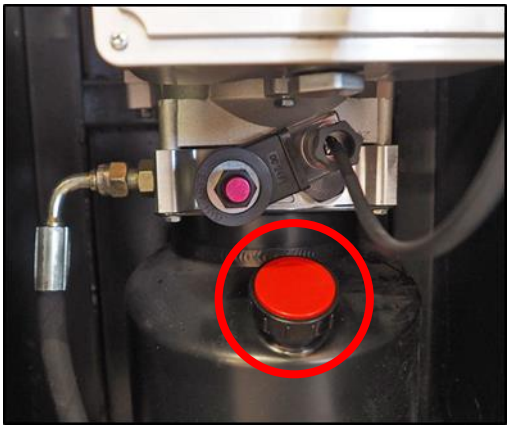


Fig. 6

The operator is responsible for the correct connection of the hydraulic system. Retighten the pre-assembled Y-piece (Fig. 7). Fit the two hydraulic lines from the hydraulic cylinders of the lift to the two open connections (Fig. 8).

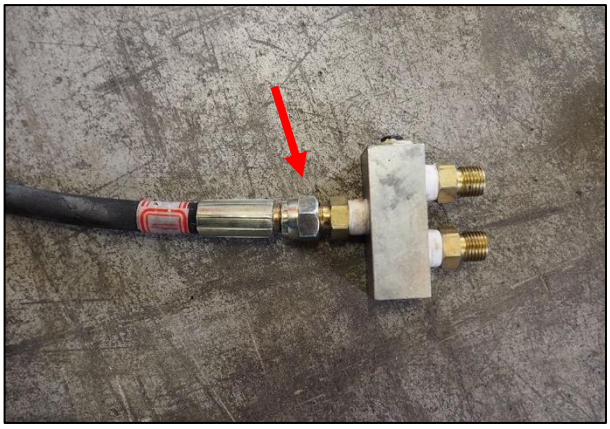


Fig. 7

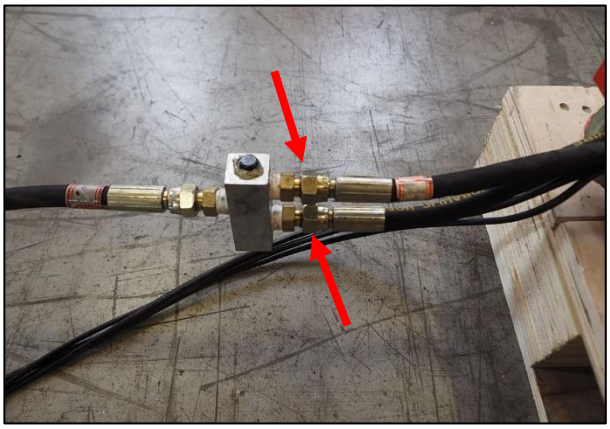


Fig. 8

4.9 Installation of the cable protection conduit

Loosen the screw connection of the hydraulic hose on the pump block (Fig. 9). When loosening and tightening the nut, be sure to hold the connection piece on the pump block with a spanner so that it cannot come loose. Now pull the cable out of the control cabinet. Use the cable ties from the small parts set to attach the electrical cables [1] to the hydraulic line [2] that has just been removed (Fig. 10). Now pull the cable protection conduit [3] over the cables that have just been joined together (Fig. 11). Use the hose clamp from the small parts set to attach the cable protection hose to the tube of the lift (Fig. 12). Now pull the complete cable assembly straight and use the last cable tie to attach the cable protection conduit to the previously routed cables. Insert the cable assembly into the control cabinet from below. Refit the hydraulic hose to the pump block (Fig. 9) and connect the electrical combination plug to the counterpart in the control cabinet (Fig. 13).

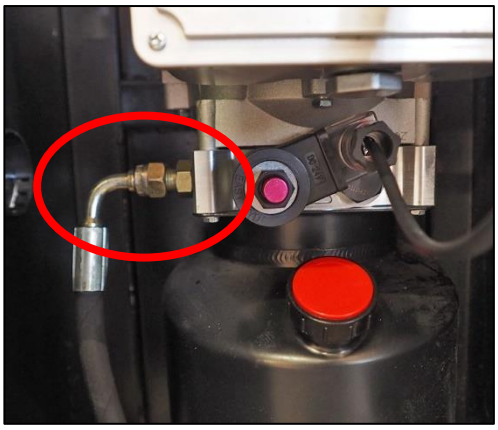


Fig. 9

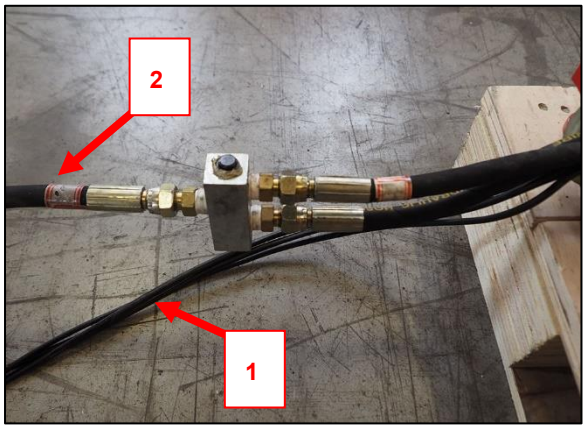


Fig. 10

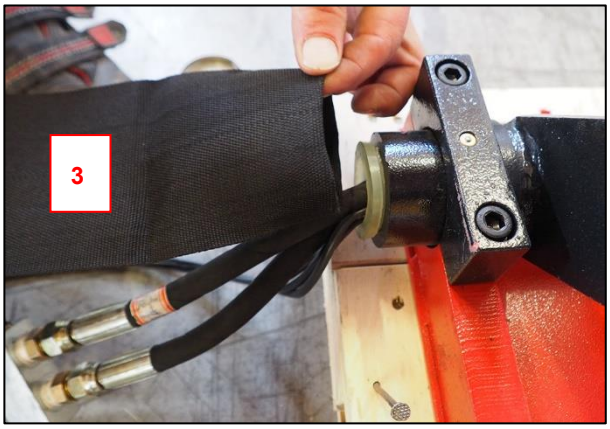


Fig. 11

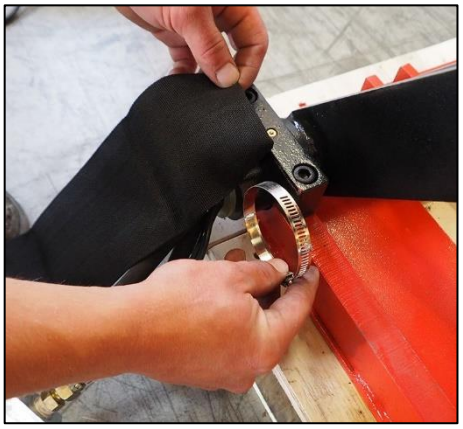


Fig. 12

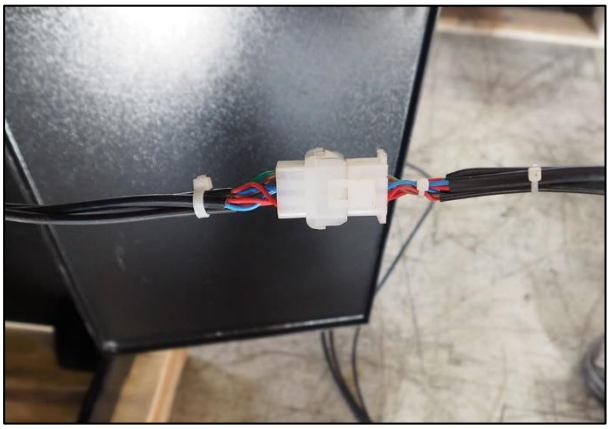


Fig. 13

4.10 Checking and setting the timer relay

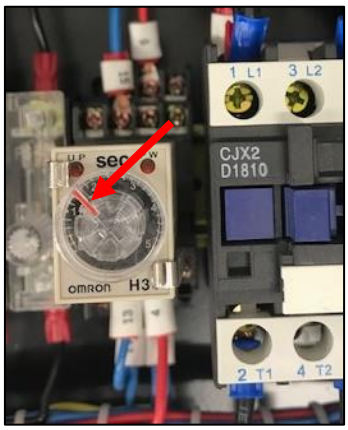


Fig. 13 A

To lower the lift, press the "LOWER" button. Please keep it pressed for longer than 2 seconds. The platform lifts freely from the catches before it lowers. The runways are raised for a preset time window via the timer relay to release the safety catches. If the lift does not lower, please adjust the valve for the lowering speed.

The basic setting of the timer relay is at the 11 o'clock position. See Figure 13 A (red arrow). If this is not the case, set the described position by turning the adjusting dial. Depending on the size and weight of the vehicle, readjust the timer relay towards the 12 o'clock position if necessary.

4.11 Upper limit switch

Fig. 14

Check the pre-assembled and adjusted upper limit switch for firm seating and function (Fig. 14).

To do this, lift the platform and actuate the upper limit switch by hand during the lifting process. The platform must stop moving immediately.

Now check whether the upper limit switch limits the stroke so that the rails can be lifted freely without any problems after they have been lowered into the safety catches.

If necessary, readjust the roller arm using the corresponding adjustment screws.

4.12 CE stop switch

Fig. 15

Check the pre-assembled and adjusted CE stop switch for firm seating and function (Fig. 15). Readjust it if necessary.

4.13 Use of mobile kit

To use the mobile kit (Fig. 16), the lift must be raised so far that the two transport rollers and the transport lever holder can be easily pushed onto the holders on the torsion tube (Fig. 17 & Fig. 18). Now lower the lifting platform completely again and position the transport lever in the holder provided (Fig. 18). The transport rollers now rest on the floor (Fig. 19). Ensure that the drive-on ramps are folded up. The mobile kit is only suitable for load-free transport of the lift. Once the lift has been positioned, the mobile kit, consisting of the two transport rollers, the support and the transport lever, must be removed again. Only then may work be resumed.

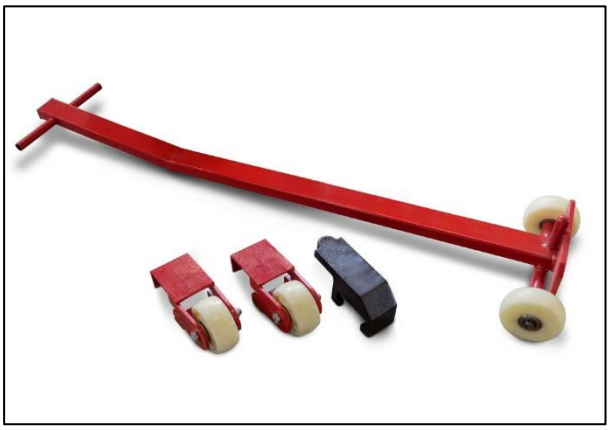


Fig. 16

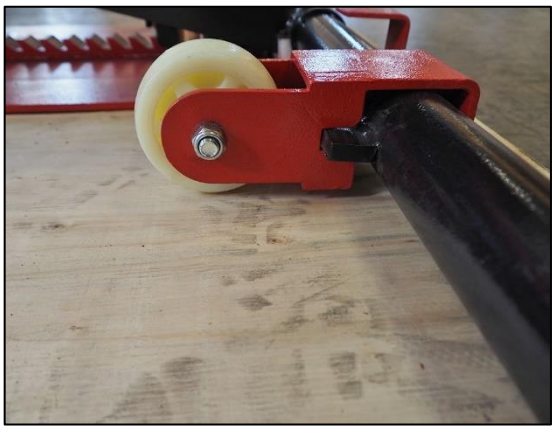


Fig. 17

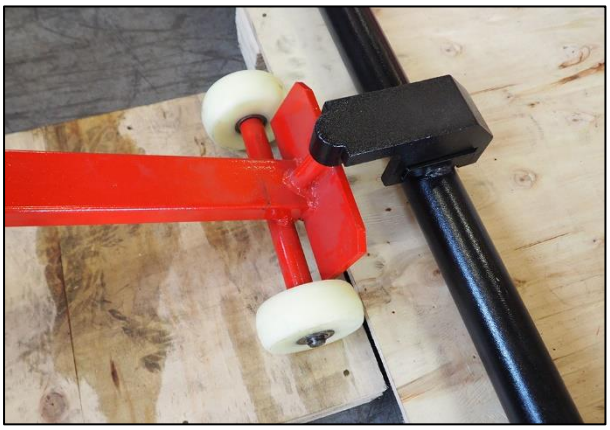


Fig. 18

Fig. 19

4.14 Mounting the access ramps

Remove all bolts from the mounting points (Fig. 20). Place the locking support in front of the guide rail and insert the greased bolts and secure them again (Fig. 21). Now place the drive-on ramp on the locking support at a slight angle (Fig. 22) and then fold it up (Fig. 23). Now insert the greased bolt here too (Fig. 24) and secure it (Fig. 25). Make absolutely sure that the retaining rings are correctly fitted to all bolts. A second person can make the work easier.

Fig. 20

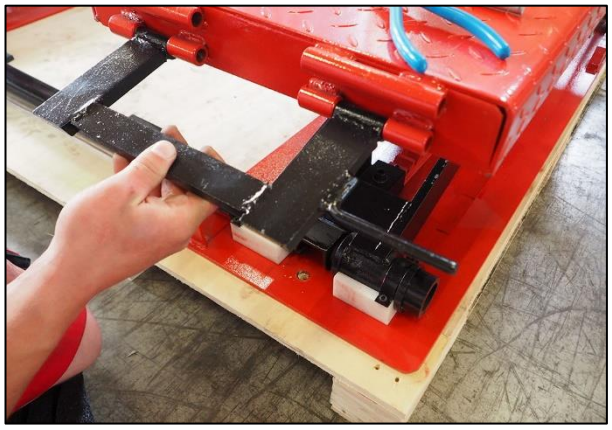


Fig. 21

Fig. 22

Fig. 23

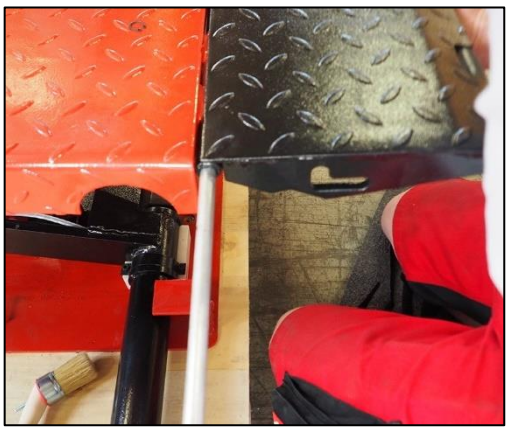


Fig. 24

Fig. 25

The levers on the drive-up ramps must always point to the outside of the drive-up ramps. To lock the access ramp in the folded-up position, pull the black lever in the red circle upwards (Fig. 26). To tilt the access ramp down, lift it slightly and press the lever downwards. The access ramp can now be tilted down. This may only be done when the ramp is unloaded. The two screws on the underside of the access ramp are used to adjust the horizontal position of the access ramps (Fig. 27). The access ramps must be adjusted so that they can be easily raised and folded down.

Fig. 26

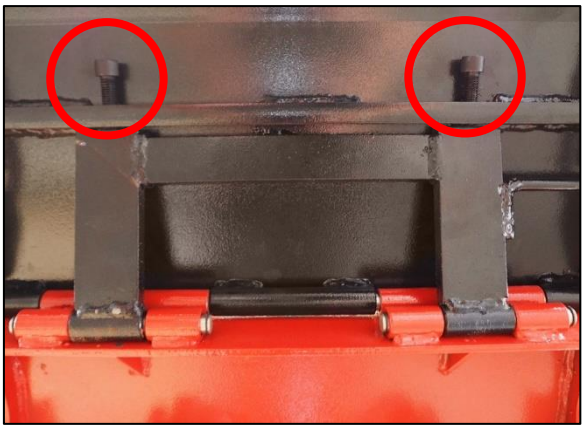


Fig. 27

4.15 Drive-on direction and centre of gravity

The centre of gravity of a vehicle must always be on the side of the fixed bearing (Fig. 28). As a rule, this is the side on which the vehicle engine is located. Of course, there are exceptions, such as loaded vehicles or workshop vehicles. Always observe the maximum load capacity of 3000 kg.

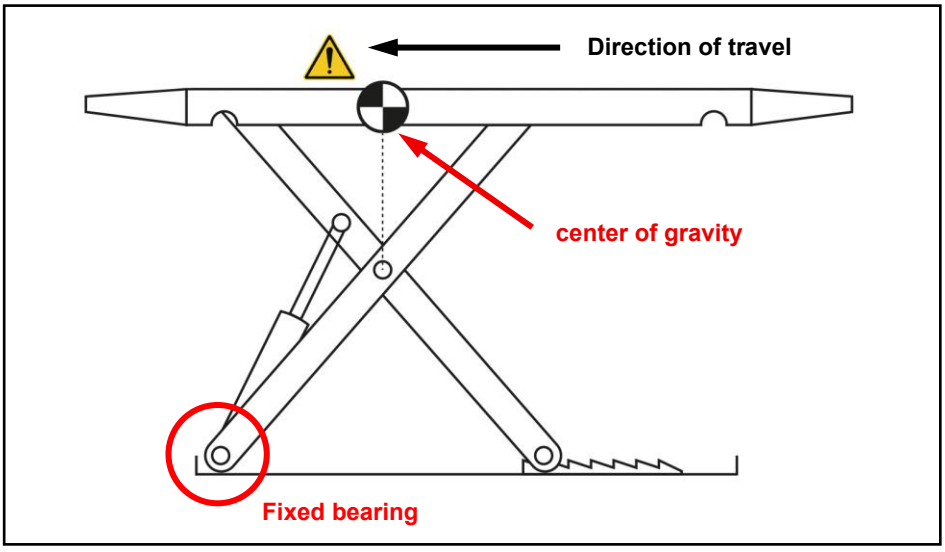


Fig. 28

All specifications are maximum values that must not be exceeded under any circumstances. In addition, the load distribution must be observed (Fig. 29)!

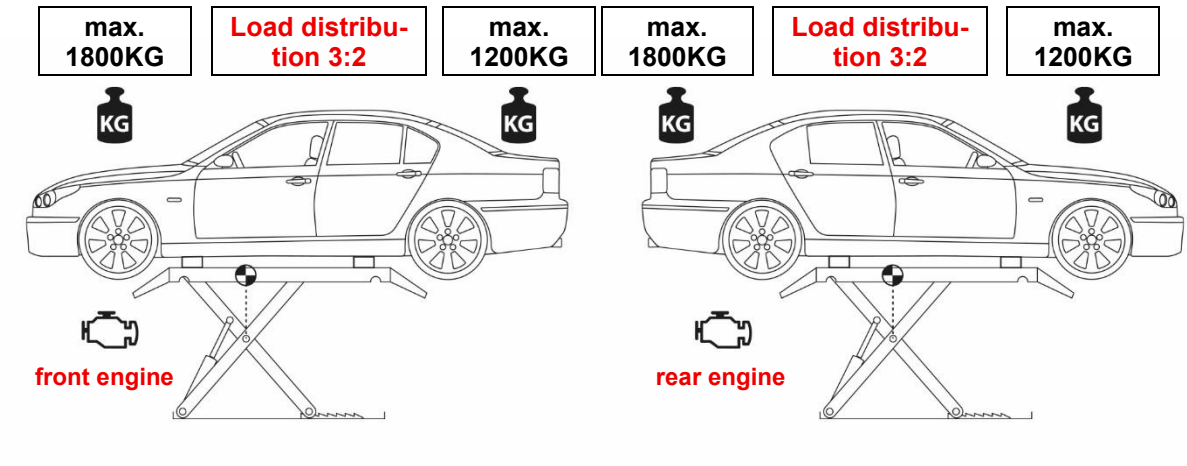


Fig. 29

4.16 Commissioning

Once assembly is complete and the lift has been fully lubricated, the electrical mains connection can be switched on. Check that the hydraulic oil tank is filled with oil, then press the "LIFT" button. The lifting movement must start after approx. 30 seconds. This time is required during commissioning to pump the oil into the still empty hydraulic hoses and hydraulic cylinders. The hydraulic cylinders may move jerkily at first, as the air must first escape from the hydraulic cylinders.

During this first lifting movement, the lift must be moved without load to about half the lifting height. Please check the hydraulic lines and screw connections for leaks immediately.

CAUTION: Observe the entire lift and its components during the entire commissioning process. Do not lift any vehicle until you have completed the final assembly and checked all functions, safety devices and fastenings once again. Pay particular attention to the correct function of the safety catches and their unlocking. The electromagnet must lift the tooth segments free during the lowering process so that the teeth do not touch each other. If this is the case, contact our customer service immediately.

When the "LOWER" button is pressed, the rails move downwards under their own weight. During the first lowering processes, the downward movement may be jerky in some cases until the system is completely self-venting. Please press and hold the "LOWER" button long enough. When new, the scissor system is still somewhat stiff when lowering, which slows down the downward movement without vehicle weight. **Set the lowering speed as described in point 4.17 without the vehicle.**

Lower the rails all the way to the bottom. If the lift is working properly, you can now pick up a vehicle and raise the lift again to about half the lifting height. **Press the "LOWER" button again and adjust the lowering speed with the vehicle**. If everything is working properly, you can perform a new lifting process over the entire lifting height; once the maximum lift has been reached, the hydraulic pump must be switched off using the upper limit switch. Also monitor the hydraulic oil tank during the lifting process; the oil level must not fall below the minimum level. If this is the case, lower the lift back to the home position, top up with the required amount of hydraulic oil and repeat the lifting process. If the oil level is not correct, repeat the previous step until the oil level is correct. Please do not top up with too much oil so that the tank does not overflow when lowering. Check the entire hydraulic system again for leaks when the machine is raised.

If the hydraulic pump does not build up pressure during commissioning and is therefore unable to generate a lifting movement, the direction of rotation of the motor is incorrect. In this case, the phases must be swapped by a specialised electrical company so that the motor has the correct direction of rotation. Only applies to 400 V motors.

4.17 Setting the lowering speed

It is essential to set the lowering speed correctly, otherwise the lift may be damaged.

Firstly, drive a car onto the lift and place the rubber supports under the vehicle according to the manufacturer's instructions. Now raise the lift to approx. half its height. To set the lowering speed, open the round black cover on the left-hand side of the electrical control cabinet (Fig. 30). Behind it is the screw for adjusting the lowering speed (Fig. 31). Loosen the lock nut and turn the hexagon socket screw in slightly as far as it will go. **Caution: As there is a sealing ring on the screw, it must not be screwed in tightly, otherwise the sealing ring will be damaged and the hydraulic system will leak.** Press the "Lower" button. The lift must not lower. Now slowly unscrew the screw (anti-clockwise) until the lowering speed corresponds to the lifting speed. Now retighten the lock nut.

Screwing the screw in slows down the lowering speed. Unscrewing the screw increases the lowering speed (Fig. 32).

Fig. 30

Fig. 31

Fig. 32

4.18 Emergency lowering of the lifting platform

To carry out an emergency lowering, another person is required who is outside the danger zone and observes the person carrying out the operation as well as the surroundings and the lifting platform. The person carrying out the operation must be authorised and instructed.

Only a single descent is permitted. Emergency lowering must be interrupted immediately if a hazard or unforeseeable event occurs. Once the problem has been solved, emergency lowering can be continued. The automatic limit switches are not active during emergency lowering.

If the safety catches are released, you can slowly lower the lifting platform by opening (turning) the emergency lowering valve (purple knurled screw). If the safety catches are not released, this must be done manually.

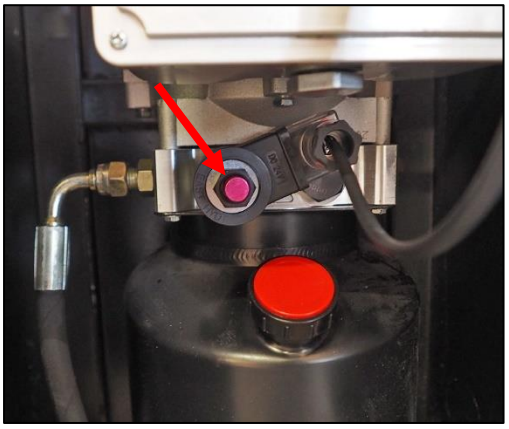


Fig. 33

4.19 Initial acceptance and entry in the inspection logbook

The initial acceptance must be documented by making an entry in the inspection logbook. In these instructions, complete the form "Initial commissioning by an authorised person" and send it to Weber GmbH. You will find the form on **page 30.**

FAX: +49 (0) 5654 - 794

Make the entries in the inspection logbook and hand it over to the operator with a signature. Present the lift to the operator ready for operation, carry out a briefing using the operating instructions and explain the operating instructions in detail.

5 Operating instructions

5.1 Functional description

The vehicle lift is only suitable for use in dry indoor areas. It must not be used outdoors! It is not intended for use in potentially explosive atmospheres.

The KHB-1000E electro-hydraulic scissor lift is approved for lifting cars and vans with a maximum weight of 3000 kg. It consists of the following components:

- Scissor lift with access ramps
- Mobile kit
- Electric control cabinet with hydraulic unit
- Universal rubber pads

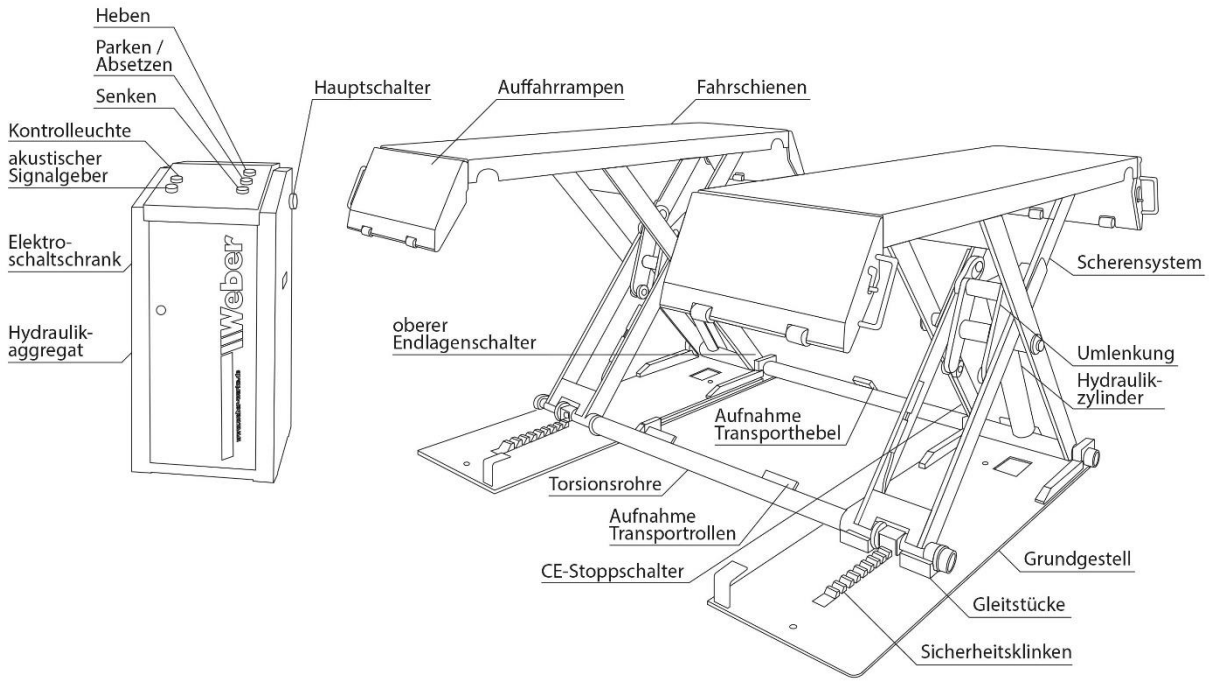
The rails are moved up and down on the scissor system by means of joints and hydraulically operated cylinders. The two scissor systems are connected with a torsion tube to ensure synchronisation. Both scissor systems are equipped with safety catches that automatically engage during the upward movement. This means that the loads are also mechanically secured against falling.

The hydraulic system consists of the motor, the pump, the oil tank, the hydraulic hoses and the hydraulic cylinders. The motor actuated by the push button transmits the torque to the pump via the clutch. The pump sucks in oil via the oil strainer and generates a pressure of approx. 280 - 300 bar (max. operating pressure). The oil is channelled into the valve block. From here it is conveyed to the two hydraulic cylinders in the scissor system via the pressure relief valve. The pressure relief valve is set to the pressure of the maximum load capacity of the vehicle lift (3000 kg). This setting must not be changed. The tank of the hydraulic system has a capacity of approx. 6 litres of oil. Lowering takes place via an electromechanically operated lowering valve.

The vehicle lift complies with the currently applicable standards.

The operator is responsible for compliance with country-specific regulations and standards.

The vehicle lift may only be operated by trained, mentally and physically competent persons who are at least 18 years old. A record must be kept of the training and instruction for the vehicle lift.



5.2 Warning and hazard symbols

The warning and danger symbols attached to the lifting platform must be observed.

Before use, the operator must ensure that the supplied warning and hazard stickers have been affixed in the respective national language.

Sicherheitsbestimmungen
- Die Bedienungsanleitung vor Gebrauch sorgfältig lesen.
- Das Mitfahren und Hochklettern auf der Bühne ist verboten.
- Die Hebebühne ist nach der ersten Inbetriebnahme in Abständen von längstens einem Jahr durch einen Sachkundigen prüfen zu lassen.
- Die gesetzlichen Unfallverhütungsvorschriften sind einzuhalten. Die Bedienung ist nur unterwiesenen und dazu beauftragten Personen gestattet.
- Bei Betriebsstörungen die Bühne außer Betrieb setzen und einen Sachkundigen hinzuziehen.

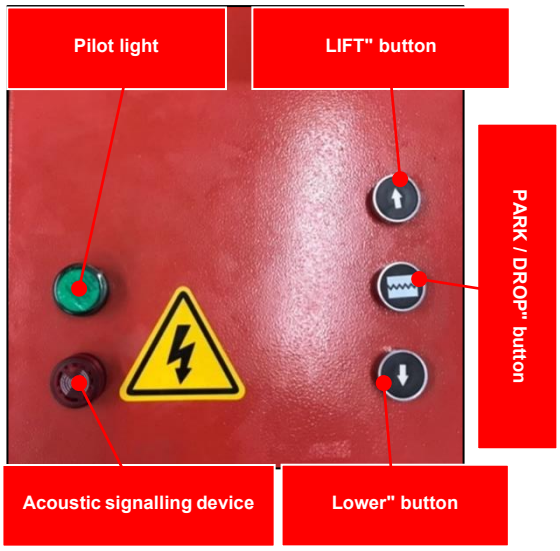
Betriebsanleitung
Die Last bzw. das Lastaufnahmemittel ist während der Bewegung zu beobachten und der Gefahrenbereich ist freizuhalten. Die Hebebühne ist nur zum Anheben von Fahrzeugen bestimmt, jede andersartige Verwendung ist untersagt. Fahrzeug mittig einfahren, kurz freiheben und Einstellung prüfen. Nutzlasten in oder auf dem Fahrzeug berücksichtigen. Bei Krafteinwirkung oder dem Aus- und Einbau von Teilen ist die Schwerpunktänderung zu beachten. Notfalls sind Sicherheitsvorkehrungen zu treffen.

Wartung
- Hebebühne monatlich reinigen und schmieren.
- Reinigen der Fahrzeugauflagen und Erneuerung bei Verschleiß.
- Ölstand in abgesenkter Stellung prüfen.
- Nur Markenhydrauliköl und säurefreie Schmiermittel verwenden.
- Außerdem sind die in der ausführlichen Betriebsanleitung gegebenen Hinweise zu beachten.

CE

5.3 Lifting

To pick up a vehicle, move the guide rails to the lowest position. In this position, the vehicle can be driven onto the rails via the access ramps. The vehicle must be driven onto the centre of both guide rails. The universal rubber supports are then aligned and positioned according to the vehicle manufacturer's specifications. Use the "LIFT" button to start the lift and move the rubber supports towards the vehicle mounting points. Before lifting the vehicle, check once again that the rubber supports are correctly positioned in relation to the specified pick-up points on the vehicle. In this state, the vehicle can be lifted while observing the load distribution. When the working height is reached, the lift is held at this height by releasing the "LIFT" button.



5.4 Parking / Dropping off

Press the "PARK / LOWER" button to lower the runways to the desired working height in the safety catches. These serve as mechanical protection so that the platform cannot lower itself in the event of a fault in the hydraulic system. Never work on lifted loads if the rails have not moved into the safety catches. When the CE stop switch is reached, the "Park / Lower" button is used to move the lift to the workshop floor, accompanied by an acoustic signal.

5.5 Sinks

The vehicle lift may only be lowered if there are no persons under the vehicle or in its vicinity and there are no objects under the vehicle. To lower the lift, press the "LOWER" button. The rails are raised for a preset time window via the timer relay to release the safety catches. The "LOWER" button must remain pressed so that the lifting platform moves downwards after the time has elapsed. Always ensure that no persons are approaching the vehicle. After reaching the CE stop switch, proceed as described under "Parking / lowering". The rubber supports under the vehicle can now be removed and the vehicle can be driven away.

6 Maintenance

The user is obliged to keep the lift and its components clean at all times and to protect it from adverse environmental influences. The following maintenance work must be carried out.

Once a month: Lubricate all moving parts with grease

Lubricate the bearing bolts

Check the tightness of the hydraulic system

Visual inspection for cracks and corrosion

Every 3 months: Visually check all parts and replace defective parts

Every 3 years: Replace the hydraulic oil and clean the filter screen

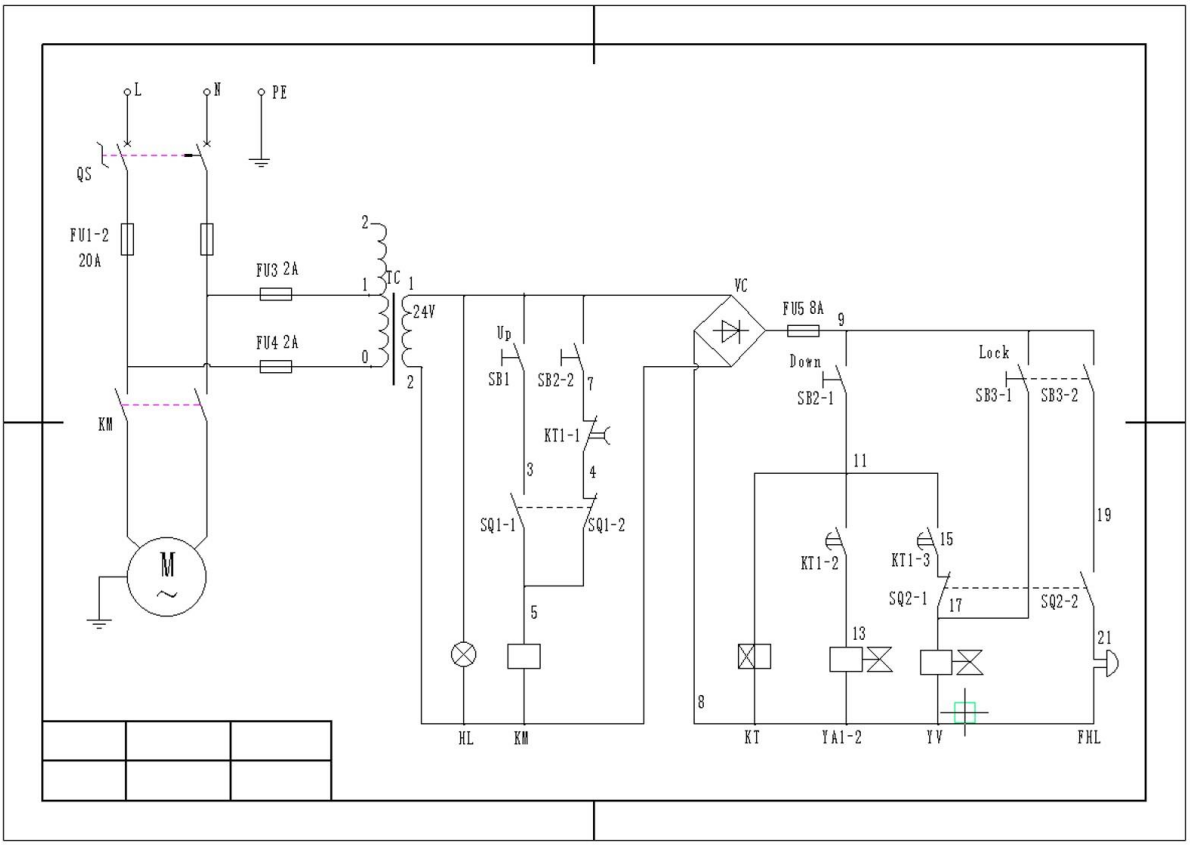
We recommend replacing the hydraulic hoses **after 5 years** of operation.

Care instructions:

Regular maintenance and care will extend the service life of the lift and ensure safe use. Liquids dripping from vehicles, such as de-icing agents and other corrosive substances, should always be removed from the product as quickly as possible. Paint damage must be repaired immediately before corrosion occurs. Moving parts must be lubricated with grease or oil according to the rules of technology. We recommend applying a cavity sealant to hollow spaces and pipes. Please note that damage resulting from improper use, lack of care, cleaning and maintenance is not covered by the warranty and is the responsibility of the operator.

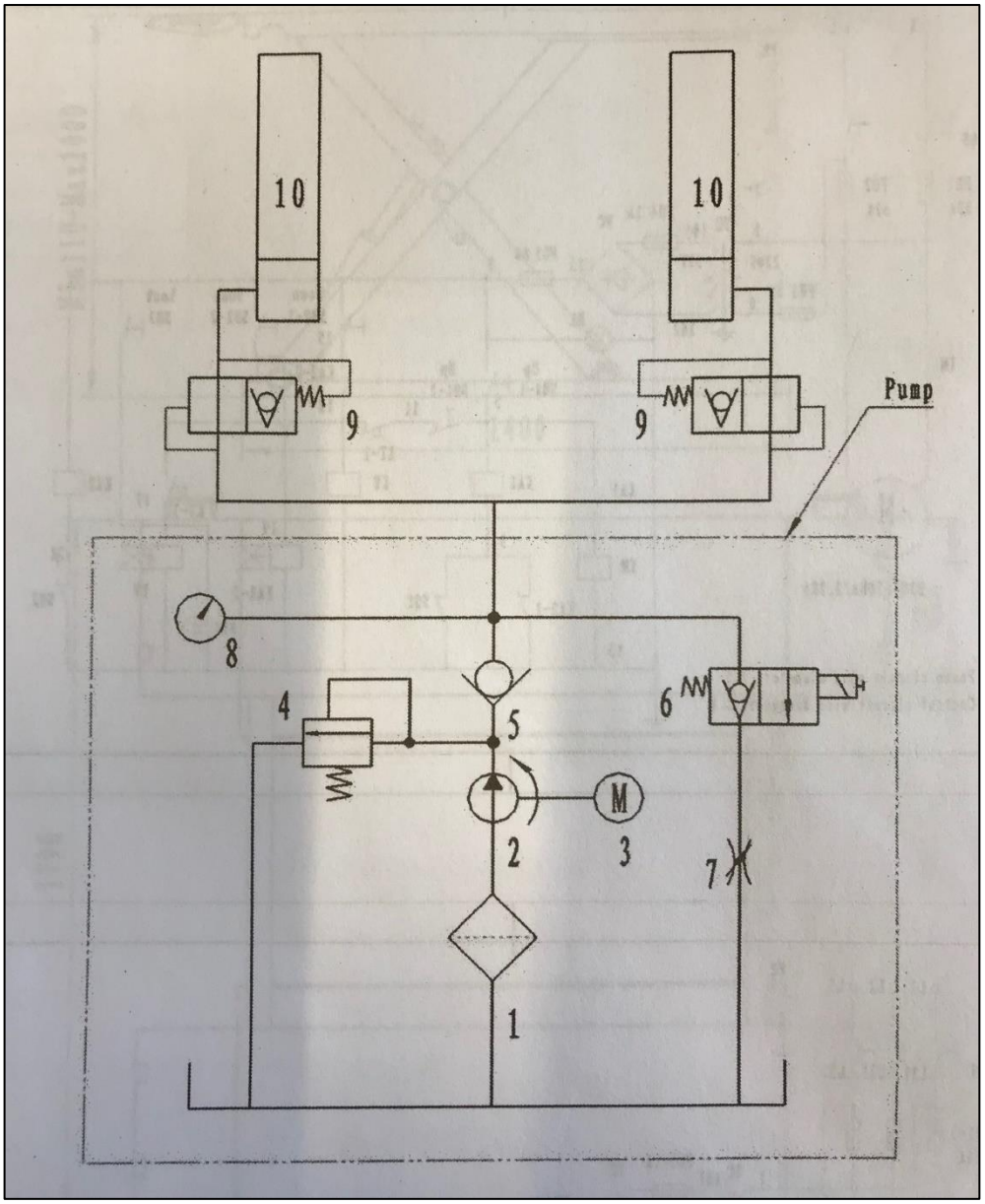
7 Circuit diagrams

7.1 Circuit diagram



QA	Main switch
FU	Circuit breaker
KM	Motor protection switch
TC	Transformer
KT	Timer relay
HL	Pilot light
FHL	Acoustic signalling device
VC	Rectifier
YA	Electromagnets
YV	Electromagnetic lowering valve
SB1	Lift" button
SB2	Lower" button
SB3	Park / Set down" button
SQ1	Upper limit switch
SQ2	CE stop switch
M	Electric motor
L	Outer conductor
N	Neutral conductor
PE	Protective conductor

7.2 Hydraulic circuit diagram



1	Oil filter with strainer
2	Hydraulic pump with clutch
3	Electric motor
4	Safety / pressure relief valve
5	Non-return valve
6	Electromagnetic lowering valve
7	Adjustable throttle valve (lowering speed)
8	Pressure gauge (optional)
9	Anti-leakage valve (pipe burst protection)
10	Hydraulic cylinder

8 Behaviour in the event of a malfunction

Motor does not work

- Check the electrical power supply including the circuit breakers.
- Furthermore, check that all cables are firmly connected
- Check "top" limit switch.

Motor is working, the lift does not lift

- The maximum permissible lifting load has been exceeded.
- The condition of the oil filter in the tank must also be checked (if it is very clogged, wash out the filter and check the permeability of all connections in the hydraulic system).
- The overpressure safety valve is incorrectly set or permanently open.
- The lowering valve is dirty and does not allow pressure to build up.
- Check hydraulic oil level, may be too low.

The vehicle lift cannot be lowered

- Check whether there are any objects under the vehicle or the lifting platform.
- Check that the mechanical safety catches are unlocked (if present).

Other faults

- Check that the sliding surfaces are properly lubricated.

9 Examination

Each vehicle lift has undergone a static and dynamic test as well as an electrical test in accordance with the specifications of the applicable European standards.

The user must regularly check the lift in accordance with the regulations applicable in the country of use.

10 Initial commissioning by an expert

The lift type **Weber KHB-1000E**, year of manufacture_____, serial no._____

was tested for operational readiness at _____.

No defects were found, so there are no objections to commissioning.

The operator has been informed and instructed by the expert on proper handling

_____

_____
Place, dateSignature

of the authorised person

_____
Name of the expert

_____
address

_____

_____

_____

ATTENTION: Please return the proof of initial commissioning prepared below by an expert to the manufacturer so that the WARRANTY CLAIMS are valid.

Detach and send or fax to Weber GmbH, Sülzbach 1, 37293 Herleshausen, Germany, Fax +49 (0) 5654-794

PROOF OF INITIAL COMMISSIONING BY AN EXPERT FOR

LIFT TYPE WEBER KHB-1000E, year of manufacture_____, serial no._____

Date: _____ Unterschrift :_____

Name and address of the expert

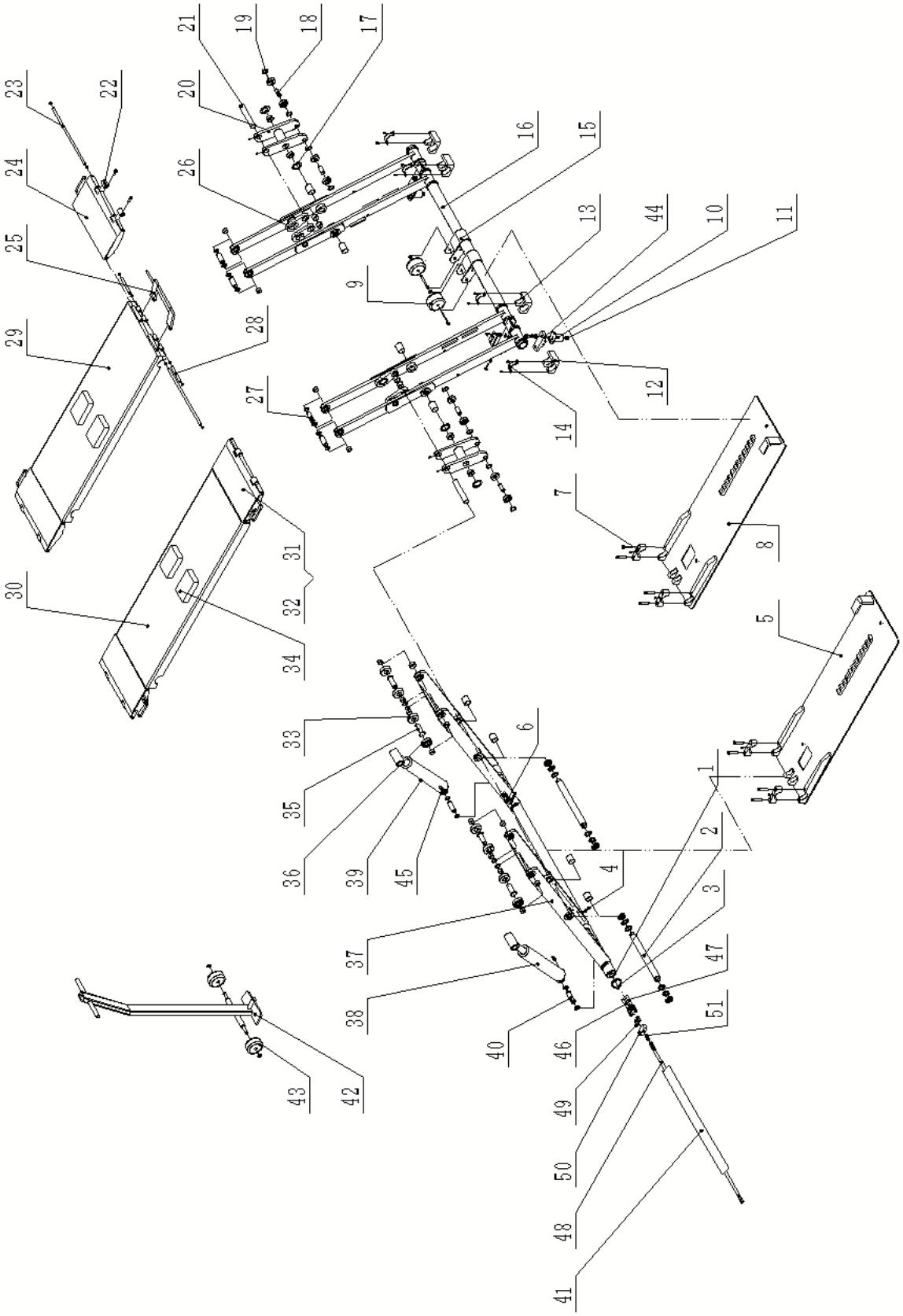
_____

_____

Address of the operator

By fax to: +49 (0) 5654-794
Weber GmbH
Sülzbach 1
D-37293 Herleshausen

11 Exploded view



Nr.	article	piece
1	protective rubber	1
2	wave	2
3	retaining ring	1
4	Limit switch at top	1
5	Base plate (left)	1
6	CE STOP switch	1
7	Retaining bracket over connecting tube	4
8	Base plate (right)	1
9	shunting roller	2
10	release magnet	2
11	Sliding block release magnet	2
12	Sliding block A	2
13	Sliding block B	2
14	Retaining bracket Sliding block	4
15	Holder for maneuvering roller	2
16	Internal scissor arm assembly	1
17	Nylon spacers	8
18	deflection shaft	4
19	deflection wheel	8
20	Deflection for cylinder (complete unit)	2
21	Cylinder shaft (top)	2
22	Roll for ramp	8
23	Wave ramp L=470	8
24	Ramp (right)	2
25	Ramp support device (right)	2
26	Connecting plate lifter	4
27	Upper axis	4
28	Supporting shaft	8

29	Guide rail (right)	1
30	Guide rail (left)	1
31	Ramp (left)	2
32	Ramp support device (left)	2
33	Upper roller A	4
34	rubber pad	4
35	Upper roller shaft	4
36	Upper roller B	4
37	External shear arm assembly	1
38	Hydraulic cylinder (left)	1
39	Hydraulic cylinder (right)	1
40	Cylinder shaft (bottom)	2
41	Hose protection net	1
42	free arm	1
43	shunting roller	2
44	Toothed strip in locking flap	2
45	Fitting for hydraulic cylinders	2
46	Hydraulic hose A L=1720	1
47	Hydraulic hose B L=520	1
48	Hydraulic hose C L＝2300	1
49	Screw connection without flow limiter	2
50	Hydraulic distribution block	1
51	Screw connection with flow limiter	1

Test book

for

Weaver

Scissor lift
model: KHB-1000E

Version 2.2

Status: June 2025

www.weber-werke.de
Weber GmbH
Sülzbach 1
D-37293 Herleshausen
Tel: +49 (0) 5654 / 343
Fax: +49 (0) 5654 / 794
info@Weber-Werke.de

Initial commissioning by an expert

The lift type **Weber KHB-1000E**, year of manufacture_____, serial no._____

was tested for operational readiness at _____.

The following focal points were examined:

- Proper attachment of the lifting platform with heavy-duty anchors (if available).
  (according to the operator, the workshop floor fulfils the foundation properties according to the operating instructions)

- Complete assembly of all add-on parts such as ramps, covers, etc.

- Check the direction of rotation of the electrical connection provided by the customer
  (according to the operator, the connection complies with VDE and EVU regulations)

- Inspection and explanation of the safety equipment
  - Function of the safety devices
  - Support arm lock (if available)
  - Emergency shutdowns

- Inspection and explanation of maintenance equipment
  - Smooth running and lubrication of moving parts

- Multiple test runs with intermediate stops up to the end positions - without load
  (synchronised operation, limit switching, restart)

- Multiple test runs with intermediate stops up to the end position - with load
  (synchronised operation, limit switching, restart)

The operating personnel were given detailed instructions.

Please note that damage and faults caused by non-compliance with maintenance and adjustment work (in accordance with the operating instructions and briefing), incorrect electrical connections (rotating field, rated voltage, fuse protection) or improper use (overloading, outdoor installation, technical modifications) are excluded from the warranty!

_____ _____

Place, date Fitter / expert

_____

Customer / Operator

Protocol / Regular safety check

Installation site

_____

_____

_____

Lifting platform

Type / Model: **Weber KHB-1000E**

Baujahr: _____

Ser.-Nr.: _____

Test step	**OK**	**deficiency**	**Review**	**Remark**
Quick guide to operation	□	□	□	_____
Warning sign	□	□	□	_____
Operating instructions	□	□	□	_____
Lockable main switch	□	□	□	_____
Labelling lifting - lowering	□	□	□	_____
Electrical cable status	□	□	□	_____
Direction of rotation of the motor	□	□	□	_____
Limit switch top - bottom	□	□	□	_____
Control cable or chain function	□	□	□	_____
Condition of column, support arms and support disc	□	□	□	_____
Condition of support nut	□	□	□	_____
Support arm locking function	□	□	□	_____
Status hydraulics - elements	□	□	□	_____
Fill level and tightness	□	□	□	_____
Tightening torques of load-bearing screws	□	□	□	_____
Tightening torques for bolt anchors	□	□	□	_____
Condition of concrete floor (cracks)[1]	□	□	□	_____
Test run with motor vehicle	□	□	□	_____
_____	□	□	□	_____
_____	□	□	□	_____
_____	□	□	□	_____

(Tick as appropriate. If verification is required, please tick additionally)
1) The operator certifies that the floor meets the requirements according to the operating instructions

Test performed

_____
Place, date, name of the expert

_____
Company stamp/signature of expert

Acknowledgement of the defects → → →

_____
Signature of customer/operator

Protocol / regular safety check

Installation site

_____

_____

_____

Lifting platform

Type / Model: **Weber KHB-1000E**

Baujahr: _____

Ser.-Nr.: _____

Test step	**OK**	**deficiency**	**Review**	**Remark**
Quick guide to operation	□	□	□	_____
Warning sign	□	□	□	_____
Operating instructions	□	□	□	_____
Lockable main switch	□	□	□	_____
Labelling lifting - lowering	□	□	□	_____
Electrical cable status	□	□	□	_____
Direction of rotation of the motor	□	□	□	_____
Limit switch top - bottom	□	□	□	_____
Control cable or chain function	□	□	□	_____
Condition of column, support arms and support disc	□	□	□	_____
Condition of support nut	□	□	□	_____
Support arm locking function	□	□	□	_____
Status hydraulics - elements	□	□	□	_____
Fill level and tightness	□	□	□	_____
Tightening torques of load-bearing screws	□	□	□	_____
Tightening torques for bolt anchors	□	□	□	_____
Condition of concrete floor (cracks)[1]	□	□	□	_____
Test run with motor vehicle	□	□	□	_____
_____	□	□	□	_____
_____	□	□	□	_____
_____	□	□	□	_____

(Tick as appropriate. If verification is required, please tick additionally)
1) The operator certifies that the floor meets the requirements according to the operating instructions

Test performed

_____
Place, date, name of the expert

_____
Company stamp/signature of expert

Acknowledgement of the defects → → →

_____
Signature of customer/operator

Protocol / regular safety check

Installation site

_____

_____

_____

Lifting platform

Type / Model: **Weber KHB-1000E**

Baujahr: _____

Ser.-Nr.: _____

Test step	**OK**	**deficiency**	**Review**	**Remark**
Quick guide to operation	□	□	□	_____
Warning sign	□	□	□	_____
Operating instructions	□	□	□	_____
Lockable main switch	□	□	□	_____
Labelling lifting - lowering	□	□	□	_____
Electrical cable status	□	□	□	_____
Direction of rotation of the motor	□	□	□	_____
Limit switch top - bottom	□	□	□	_____
Control cable or chain function	□	□	□	_____
Condition of column, support arms and support disc	□	□	□	_____
Condition of support nut	□	□	□	_____
Support arm locking function	□	□	□	_____
Status hydraulics - elements	□	□	□	_____
Fill level and tightness	□	□	□	_____
Tightening torques of load-bearing screws	□	□	□	_____
Tightening torques for bolt anchors	□	□	□	_____
Condition of concrete floor (cracks)[1]	□	□	□	_____
Test run with motor vehicle	□	□	□	_____
_____	□	□	□	_____
_____	□	□	□	_____
_____	□	□	□	_____

(Tick as appropriate. If verification is required, please tick additionally)
1) The operator certifies that the floor meets the requirements according to the operating instructions

Test performed

_____
Place, date, name of the expert

_____
Company stamp/signature of expert

Acknowledgement of the defects → → →

_____
Signature of customer/operator

Protocol / regular safety check

Installation site

_____

_____

_____

Lifting platform

Type / Model: **Weber KHB-1000E**

Baujahr: _____

Ser.-Nr.: _____

Test step	**OK**	**deficiency**	**Review**	**Remark**
Quick guide to operation	□	□	□	_____
Warning sign	□	□	□	_____
Operating instructions	□	□	□	_____
Lockable main switch	□	□	□	_____
Labelling lifting - lowering	□	□	□	_____
Electrical cable status	□	□	□	_____
Direction of rotation of the motor	□	□	□	_____
Limit switch top - bottom	□	□	□	_____
Control cable or chain function	□	□	□	_____
Condition of column, support arms and support disc	□	□	□	_____
Condition of support nut	□	□	□	_____
Support arm locking function	□	□	□	_____
Status hydraulics - elements	□	□	□	_____
Fill level and tightness	□	□	□	_____
Tightening torques of load-bearing screws	□	□	□	_____
Tightening torques for bolt anchors	□	□	□	_____
Condition of concrete floor (cracks)[1]	□	□	□	_____
Test run with motor vehicle	□	□	□	_____
_____	□	□	□	_____
_____	□	□	□	_____
_____	□	□	□	_____

(Tick as appropriate. If verification is required, please tick additionally)
1) The operator certifies that the floor meets the requirements according to the operating instructions

Test performed

_____
Place, date, name of the expert

_____
Company stamp/signature of expert

Acknowledgement of the defects → → →

_____
Signature of customer/operator

Assembly video
KHB-1000E

Homepage Weber-Werke

Spare parts
KHB-1000E