Original Operating Instructions

Weber scissor lift
Model: SH-3500

Version 1.7
Status: January 2024

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Contents

The test log is located in the appendix.

The information contained in this operating manual has been carefully checked, but errors cannot be completely ruled out. This manual is intended for users with technical knowledge in the field of vehicle inspection and repair. We reserve the right to make technical and content changes.

The images shown may be examples. Color deviations are possible!

1 Safety

1.1 Intended use

Your lift is type-tested and offers you optimum economy and safety. It is up to you to take advantage of these benefits.

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

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

- Always use all 4 lifting points.
- Your lift is designed for lifting motor vehicles.
- Transporting people is not allowed.
- When using the lifting platform in paint shops or rooms where solvent-based materials are used extensively, be aware of the risk of explosion.
- The drive is not explosion-proof as standard.

1.2 Introduction

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

A competent person is someone who, due to their professional training and experience, has sufficient knowledge in the field of lifting platforms and is familiar with the relevant government regulations, accident prevention regulations, and generally accepted rules of technology:
e.g., BG rules, DIN standards, VDE regulations, technical rules of other member states of the European Union.

No liability is accepted for personal injury, damage to the vehicle, or damage to the lifting platform resulting from failure to observe these operating instructions.

The following safety instructions warn of hazards and are intended to help prevent personal injury and damage to property. For your own safety, it is essential that you comply with the safety instructions in this operating manual. In addition, the applicable national and international safety regulations of the competent authorities for occupational safety and accident prevention must be observed. Each operator is responsible for complying with the regulations.

1.3 Explanation of symbols and notices

Assembly and commissioning may only be carried out by qualified personnel in accordance with the operating instructions.
Please observe the following explanations of symbols and markings:

Attention	
	Deze markering duidt op mogelijk onmiddellijk gevaar. Le non-respect de ces informations peut entraîner des blessures graves ou la mort.This marking indicates a potential immediate hazard. Het niet naleven van deze informatie kan ernstig letsel of de dood tot gevolg hebben
Warning	
	This marking indicates a possible immediate danger. Failure to follow this information may result in serious injury or death.
Attention to detail	
	This labelling indicates a possible immediate hazard. Failure to follow this information may result in serious injury or death.
Comment	
	This label provides general instructions and useful work recommendations. They do not affect the health and safety of personnel.
Comment	
	This label provides general instructions and useful work recommendations. They do not affect the health and safety of personnel.

1.4 Safety regulations for commissioning

The SH-3500 scissor lift is approved for installation and use in dry rooms. Installation in damp and wet rooms or rooms at risk of explosion is not permitted.

The operator is responsible for selecting the installation site, the floor conditions, the load-bearing capacity of intermediate ceilings, etc. It must be ensured by testing or architect's specifications that the floor conditions meet the requirements or that foundations are provided that meet the requirements.

The lift platform must only be connected to the mains by authorized electricians. Local regulations must be observed.

Precautions must be taken on site to ensure that no hydraulic oil enters the ground.

1.5 Safety regulations for operation

The operating instructions must be accessible and observed by all users. 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 authorized and trained persons who are at least 18 years of age. To prevent unauthorized use, the platform is equipped with a lockable main switch.

The movement area of load and lifting platform parts must be kept free of obstacles. The lifting platform must be monitored at all times during lifting and lowering.

Ensure that the platform is used as intended. Do not exceed the specified load capacity. Always observe the load distribution. The load distribution must be in a ratio of 2:3 and 3:2.

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

The lifting platform may only be driven onto in the lowest position. The vehicle may only be lifted at the points provided on the vehicle with the rubber pads.

After briefly lifting the vehicle, check that it 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 left on the lifting platform, the guide rails or on the vehicle to be lifted.

Persons are prohibited from entering the danger zone around loads and the lifting platform during the lifting and lowering process.

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

The correct functioning of the safety devices must be checked regularly. Safety devices must not be disabled or their function manipulated in any other way. The lifting platform must not be used if there are any irregularities with the safety devices.

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

1.6 Safety regulations for service work

Maintenance and repair work may only be carried out by authorized service technicians of Weber GmbH's contractual partners.

Before maintenance and repair work, the lifting platform must be disconnected from the electrical network (main switch off, fuse off). Suitable measures must be taken to prevent it from being switched back on.

Work on the electrical part of the lifting platform or on the supply cable may only be carried out by authorized experts or qualified electricians.

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

1.7 Safety devices on the lifting platform

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

Emergency stop: An additional "EMERGENCY STOP SWITCH" is installed on the front panel of the electrical control box. Otherwise, the main switch also fulfills the function of the "EMERGENCY STOP SWITCH."

Front ring control buttons: The control buttons are protected against accidental operation by front rings.

Synchronization control: This is ensured by a torsion tube that firmly connects the two guide rails to each other via the shear system.

Safety catches: Safety catches are not required for this model. Safety is ensured by a redundant hydraulic system.

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

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

CE stop switch: When the CE stop switch is activated, the power circuit is interrupted approx. 30 cm before the lifting platform reaches the ground, thus stopping the lifting platform. When lowering further, an acoustic warning signal sounds until the lower base position is reached.

2 Technical manual

2.1 Scope of delivery

The scope of delivery of the lifting platform includes:

1	Lifting platform including guide rails
1	Control cabinet with hydraulic unit
2	Removable transport rollers
1	Transport bar
4	Ramps
4	Universal rubber pads

Optionally available

110510 - 10 l hydraulic oil HLP 32

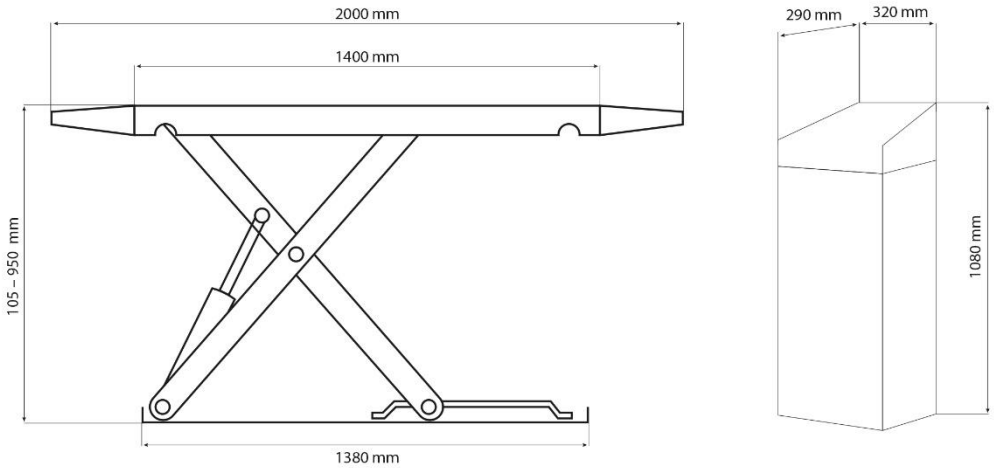
To simplify the operator's work, the lifting platform can be equipped with accessories or used with accessories. Only original accessories from the manufacturer are permitted.

2.2 Technical

Load capacity	3500 kg
Lifting height max.	950 mm
Clearance height	105 mm
Mounting length	1400 – 2000 mm
Platform spacing	980 mm
Travel rail width	480 mm
Total width of running rails	1940 mm
Weight	630 kg
Motor power	2.2 kW
Lifting time	approx. 40 sec
Electrical connection	400 V / 3 Ph / 16 A slow / 50 Hz
Noise level	≤ 70 dB
Color of guide rails / frame	Blue RAL 5009
Color scissors / ramps	Black RAL-9017
Hydraulic oil capacity	Approx. 6 l
Hydraulic oil viscosity	HLP 32

Note: Technical data subject to change.

EXPERTSERIE **SH-3500** Alle Angaben in mm



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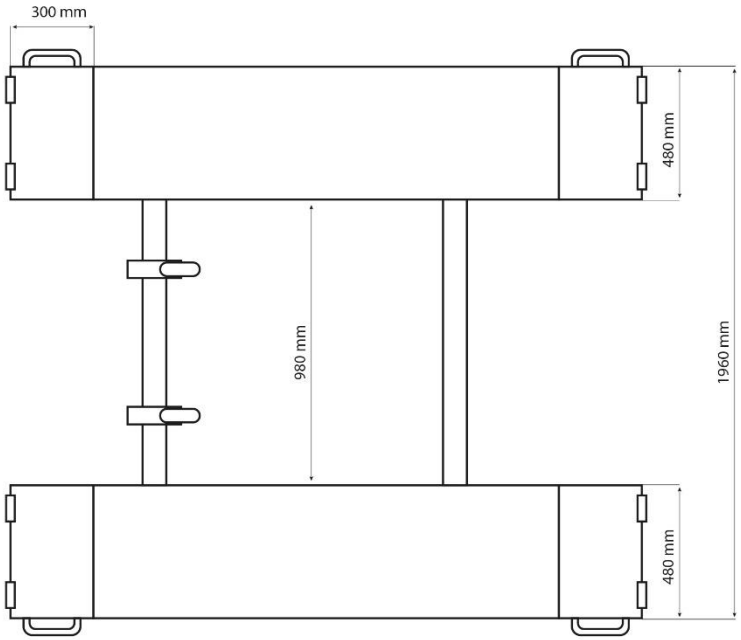

Draufsicht

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2.3 EC Declaration of Conformity

We

Weber GmbH
Sülzbach 1
37293 Herleshausen

hereby declare that the machine described below, due to its design and construction and in the version we have placed on the market, complies with the relevant essential safety requirements of the EC Directive. This declaration loses its validity if the machine is modified in a way that has not been agreed with the undersigned.

Designation:	Scissor lift
Model	SH-3500
Serial number:	
Relevant EC directive:	2006/42/EC Machinery Directive 2014/35/EU Low Voltage Directive 2014/30/EU EMC Directive
Applied harmonized standards:	EN1493:2022 Lifting platforms EN60204-1:2018 Safety of machinery - Electrical equipment of machines - Part 1: General requirements EN ISO 12100:2010 Safety of machinery" contains general design principles for machinery and for risk assessment and risk reduction.
Reference number of the technical data:	F-353-20-1012-23-01-A
Certificate:	C-353-20-1012-23-01-A1 Valid until 01.11.2028
Issuer of the certificate:	CTI-CEM International Ltd, Unit 200 Greenogue Business Park, Grants Lane, Rathcoole Co. Dublin Ireland, ID No. 2845

Authorized person responsible for compiling the technical documentation: _____
Andreas Weber

Herleshausen, January 2024

Weber / Managing Director

3 Installation of the lifting platform

3.1 Preface

Before removing the product from its packaging, read the assembly instructions carefully and follow them exactly. Failure to do so will result in the exclusion of liability and warranty. Please note that incorrect assembly can result in danger to life and limb. Initial assembly and commissioning must be carried out by a service company authorized by Weber. Weber GmbH accepts no liability, guarantee, or warranty for improper assembly or handling, or for damaged products or parts thereof. Please refer to the sheet "Initial commissioning by a qualified person."

As already mentioned in the introduction, this product should be installed by a qualified professional. If you are a novice and still wish to attempt installation, we would like to provide you with the following information:

Our products, some of which are pre-assembled, are not completely assembled and checked for functionality before shipping, but are only assembled to facilitate installation. Many individual components are already tested at the factory; for example, a hydraulic pump is tested before installation. Of course, the entire 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." It is therefore essential to check any electrical controls already installed on the product for loose screw connections that may have vibrated loose. As a general rule, pre-assembled parts must be checked, retightened, greased, and oiled in accordance with recognized technical rules before commissioning, just like parts that are still to be installed, and repaired if necessary. It is to be expected that , for example, a thread contaminated with paint may need to be recut; this is part of the normal scope of installation of a lifting platform and does not constitute a defect within the meaning of the warranty. A screw that has been twisted in crookedly or torn off due to excessive torque is also not a defect; these risks are borne by the installer.

Below are some tips for the various assemblies:

Check that **screws and mechanics** are correctly and securely fitted, check that moving parts move smoothly and lubricate them.

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

Check **cable pulls, rollers, and moving parts** (if present) for smooth operation, lubricate and grease (we recommend Oregon or Liqui Moly multi-purpose grease). If necessary, remove stiff rollers and check for contamination (remove any paint residue, etc.) and reattach the roller with lubricating grease. Always check that the retaining rings are correctly seated. Lubricate cable pulls regularly with grease to protect parts near the floor from corrosion. Grease lift tables and slide rails to ensure smooth, jerk-free movement even under load.

Caution! Good lubrication is required regularly and prevents premature wear.

Electronics and cabling should always be checked and installed by a qualified electrician. Before starting work, switch off the main switch and fuses of the mains connection and secure them against accidental restarting. Check that cables are laid correctly and ensure that they do not come into contact with moving parts; secure them additionally if necessary. Check all screw connections, including those in the switch box, for tightness and, if necessary, carefully check the correct, tight fit at the cable ends with needle-nose pliers. An improperly inserted cable may not make contact even if the screw terminal is tightened securely. Check the end and proximity switches for proper operation.

3.2 Choice of location

The lifting platform is approved for installation in closed, dry workshop rooms. Use in damp and wet rooms or rooms at risk of explosion is not permitted.

3.3 Unpack

Remove the protective cardboard and packaging.

Check that the device is in perfect condition and ensure that no parts are damaged or missing. If in doubt, do not operate the device and contact your specialist dealer.

Instructions for disposing of packaging material!
Packaging materials must be reused or disposed of properly in accordance with local regulations.

3.4 Floor conditions / installation surface

The mobile scissor lift must be set up on a sufficiently solid floor that can withstand the force exerted on the floor contact surface. The load-bearing capacity of the floor must not be less than 1.3 kg/cm². This area must extend over at least 2500 x 2000 mm and must not have any expansion joints or cracks that could compromise the strength of the reinforcement. The support surfaces must be level and parallel 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 meet the requirements can cause serious damage to property and personal injury**.**

3.5 Foundation plan

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

3.6 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 lines on the floor. Pay attention to the direction of travel of the guide rails (see point 3.13). Position the transport frame of the lift near the installation area, ensuring that the area is clean and that there is sufficient working space for installation. Remove the accessory packaging from the lift, take out the parts, and store them outside the work area. Make sure that no parts are lost.

3.7 Assembling the scissor lift

Remove the accessories and the mobile scissor lift from the transport pallet and place them in the designated location. Also remove the electrical switch box from the transport box. Now insert the black hose package into the electrical switch box (Fig. 1). There are two possible feed-throughs, see red arrows (Fig. 2).

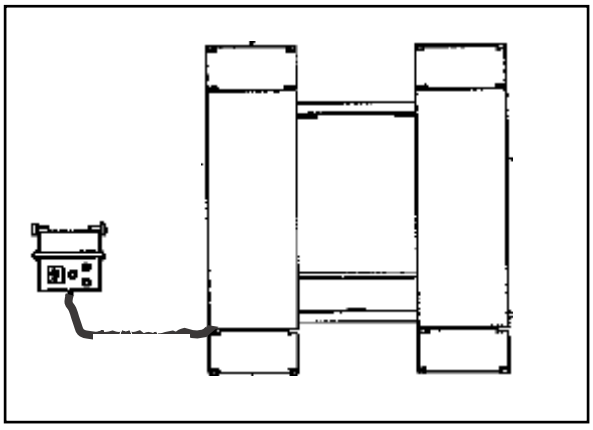


Fig. 1

Fig. 2

3.8 Assembling the control system and wiring

Open the cover of the electrical control box and remove the terminal protection cover. Insert the cables of the upper limit switch and the CE stop switch through the PG screw connection and connect them according to the numbering (Fig. 3). The connection cable on the right-hand side is already pre-assembled at the factory (Fig. 3). This is the connection for the motor of the hydraulic unit. Check all connection terminals, including those in the motor connection panel, to ensure they are secure.

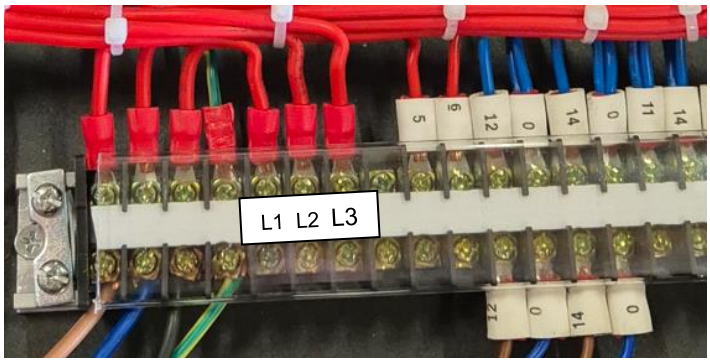


Fig. 3

Fig. 4

The mains connection in the control housing and on site (400 V / 16 A slow-blow / 50 Hz) must be made by a qualified electrician. Depending on the legal requirements, the supply cable should have a cross-section of at least 5 x 2.5 mm² (Fig. 4).

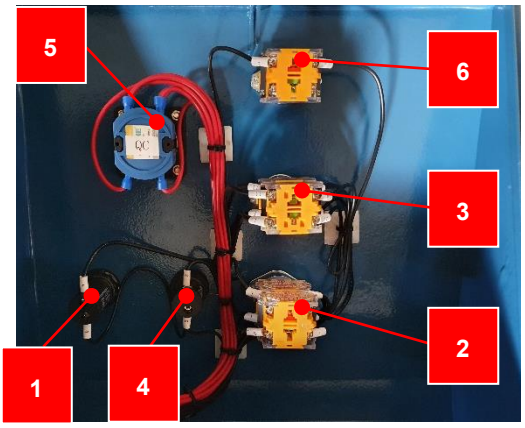


Fig. 5

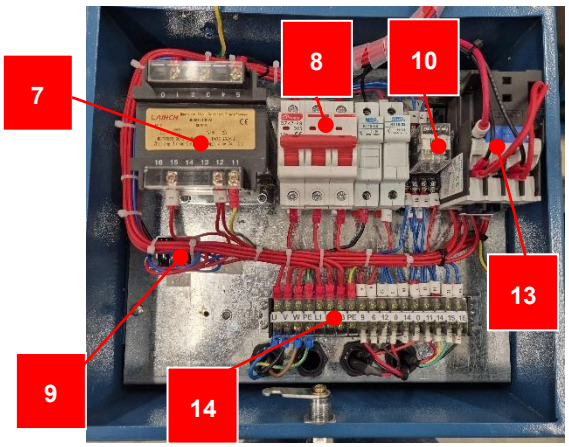


Fig. 6

1	Control light
2	"Lift" button
3	"Lower" & "Park" / "Set down" button
4	Acoustic signal device
5	Main switch
6	Emergency stop switch
7	Power supply unit
8	Circuit breaker
9	Rectifier
10	Relays
13	Motor contactor
14	Terminal connection strip

3.9 Hydraulic assembly

Ensure that connection pieces sealed with Teflon tape (already mounted on the hydraulic unit) are never loosened (turned backwards), otherwise the connection pieces must be dismantled and resealed. Fill the pump's hydraulic oil tank (Fig. 7) with HLP 32 hydraulic oil (order no. 110510) up to the specified fill level before starting to install the hydraulic lines. Make sure that no oil gets into the ground. The filling quantity is approx. 6 l oil. As soon as the first test lift has been carried out, it is essential to check all screw connections for leaks and to check the oil level in the tank again.

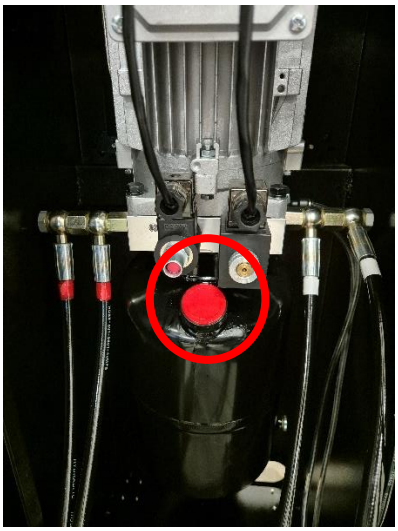


Fig. 7

The operator is responsible for the correct connection of the hydraulic system. Before connecting, check the hydraulic lines to ensure that they are connected to the correct hydraulic cylinders. Connect the hydraulic hoses in the order described here. P1 and P1 as well as P2 and P2 must always be connected to one connection of the hydraulic unit (Fig. 8). NEVER connect P1 and P2 together at one connection! The hydraulic cylinders must be connected crosswise so that one hydraulic circuit operates one hydraulic cylinder under each travel rail (Fig. 9). The cross connection ensures that, in the event of a failure of one hydraulic circuit, the travel rails are held safely and evenly by the other hydraulic circuit. Do not forget to insert the four sealing rings on the screw connections (red arrows in Fig. 8).

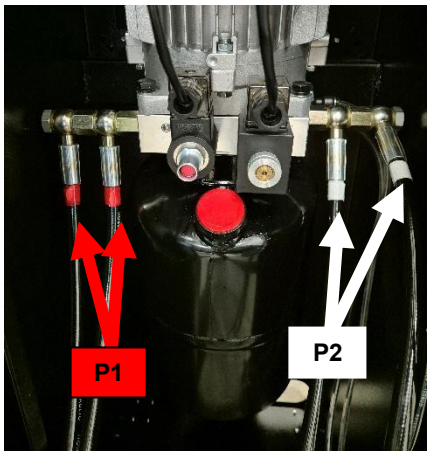


Fig. 8

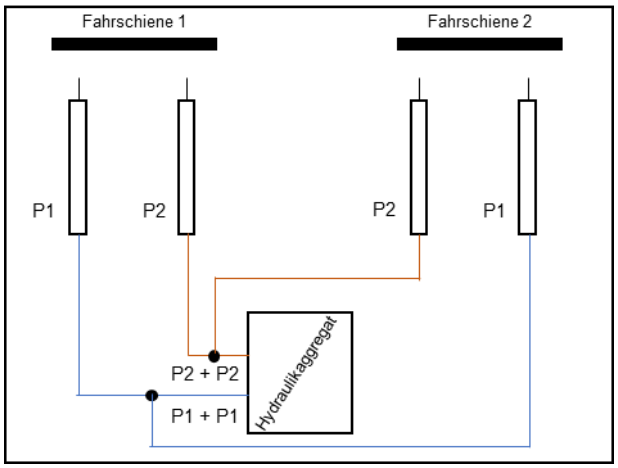


Fig. 9

The leak lines are already pre-assembled on the T-piece on the hydraulic unit (Fig. 10). The two T-pieces from the leak line of the four hydraulic cylinders are also pre-assembled. Now connect the two lines from the hydraulic unit to the two T-pieces (Fig. 11). Check all screw connections on the leak lines to ensure they are tight. If necessary, the lines can be shortened in the control cabinet.

Fig. 10

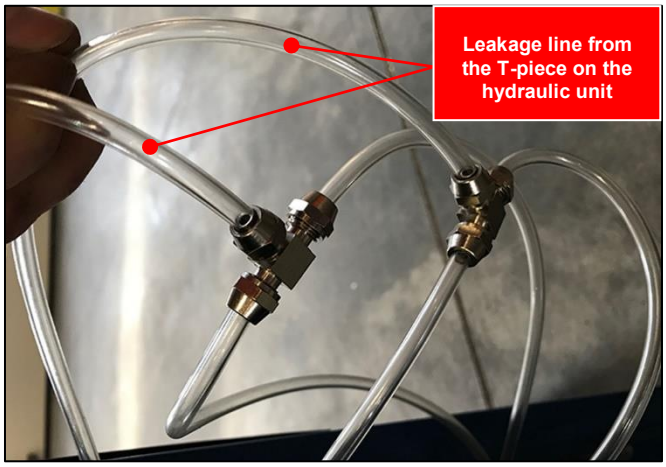


Fig. 11

3.10 Upper limit switch

Check the pre-assembled and adjusted upper limit switch for secure fit and function (Fig. 12).

Fig. 12

3.11 CE stop switch

Check the pre-assembled and adjusted CE stop switch for secure fit and function (Fig. 13).

Fig. 13

3.12 Using the mobile kit

To use the mobile kit (Fig. 14), raise the lifting platform high enough so that the two transport rollers can be easily pushed onto the mounting device on the torsion tube (Fig. 15). Now lower

lower the lifting platform completely and position the transport lever in the holder provided (Fig. 16). The mobile kit is only suitable for transporting the lifting platform without load. Once it is in position, the mobile kit, consisting of the two transport rollers and the transport lever, must be removed again. Only then may work be resumed.

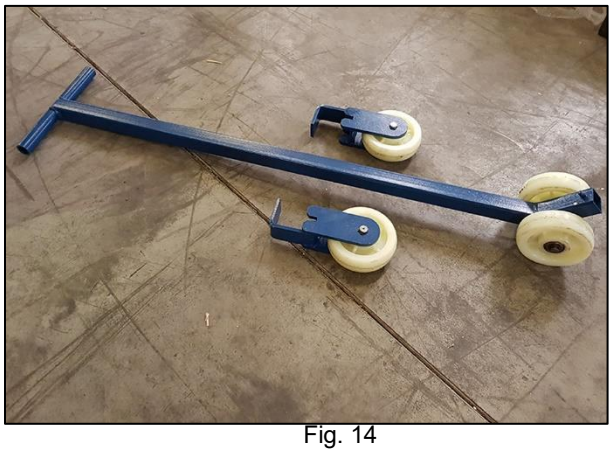


Fig. 14

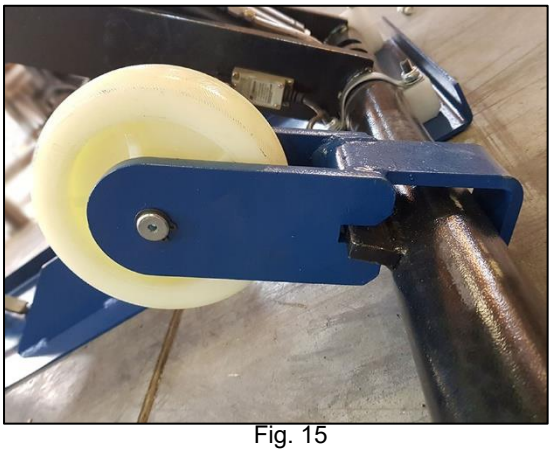


Fig. 15

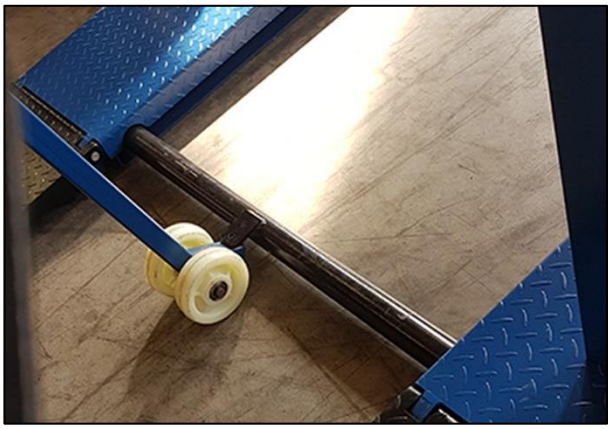


Fig. 16

3.13 Assembling the drive-on ramps

Place the ramp on the guide rail and insert the greased bolt (Fig. 17). A second person will make this easier. Secure the bolt with a retaining ring (Fig. 18). Then check that all retaining rings on the bolts are tight and correctly positioned.

Fig. 17

Fig. 18

To tilt the unfolded ramp (Fig. 19), operate the lever on the ramp and let it down (Fig. 20). This must only be done when the ramp is unloaded.

Fig. 19

Fig. 20

3.14 Ramp direction and center of gravity

The center of gravity of a vehicle must always be on the side of the fixed bearing (Fig. 21). This is usually the side on which the vehicle engine is located. There are, of course, exceptions, such as loaded vehicles or workshop vehicles. Always observe the maximum load capacity of 3500 kg.

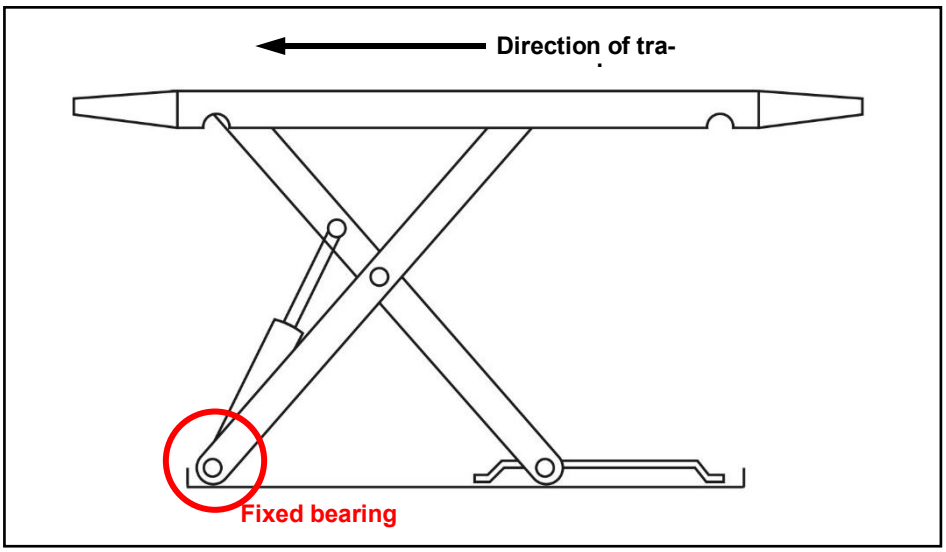


Fig. 21

3.15 Commissioning

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

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

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.

Pressing the "LOWER" button causes the guide rails to move downwards under their own weight. During the first few lowering movements, the downward movement may be somewhat jerky until the system has completely vented

itself. Please hold the "LOWER" button down long enough. When new, the shear system is still a little stiff when lowering, which can slow down the downward movement considerably without the weight of a vehicle. Set the lowering speed as described in **section 3.15**.

Lower the guide rails all the way down. 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 lower the vehicle completely. If everything works properly, you can perform a new lifting operation over the entire lifting height. Once the maximum lift has been reached, the hydraulic pump must be switched off by the upper limit switch. During the lifting process, also monitor the hydraulic oil tank; the oil level must not fall below the minimum level. If this is the case, lower the lift back to its starting position, add the required amount of hydraulic oil, and repeat the lifting process. If the fill level is not correct, repeat the previous step until the oil level is correct. Please do not add too much oil so that the tank does not overflow when lowering. With the platform raised, check the entire hydraulic system again for leaks.

If the hydraulic pump does not build up pressure during commissioning and is therefore unable to generate any lifting movement, the motor is rotating in the wrong direction. In this case, the phases must be swapped by a qualified electrician so that the motor rotates in the correct direction.

3.16 Adjusting the lowering speed

The lowering speed can be adjusted using the Allen screw after loosening the lock nut on

the hydraulic pump (Fig. 22). The basic setting is carried out as follows. Screw the screw in completely and then turn it out approx. 1/4 turn. The speed should be set so that the lifting and lowering speeds are approximately the same. When you have finished the adjustment work, lock the adjustment screw again with the nut.

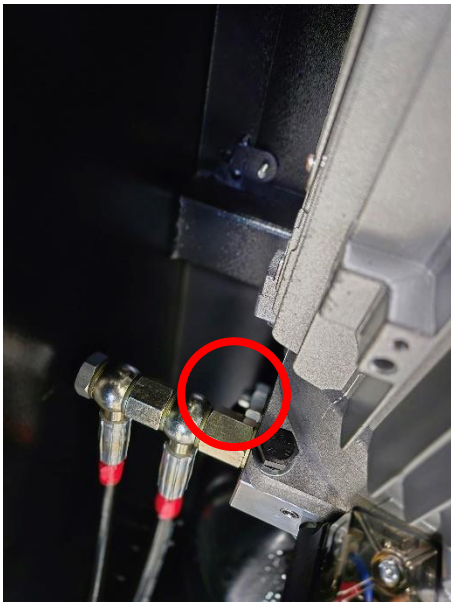


Fig. 22

3.17 Initial acceptance and entry in the test logbook

The initial acceptance must be documented by entry in the test logbook. Fill out the form "Initial commissioning by a qualified person" in these instructions and send it to Weber GmbH. You will find the form on **page 23.**

FAX: +49 (0) 5654 - 794

Make the entries in the test logbook, sign it, and hand it over to the operator. Demonstrate the lifting platform to the operator in working order, provide instruction based on the operating manual, and explain the operating manual in detail.

4 Operating instructions

4.1 Function

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 SH-3500 electro-hydraulic scissor lift is approved for lifting passenger cars and small vans with a maximum weight of 3500 kg. It consists of the following components:

- Scissor lift with drive-on ramps
- Mobile kit
- Electrical control box with hydraulic unit
- Universal rubber pads

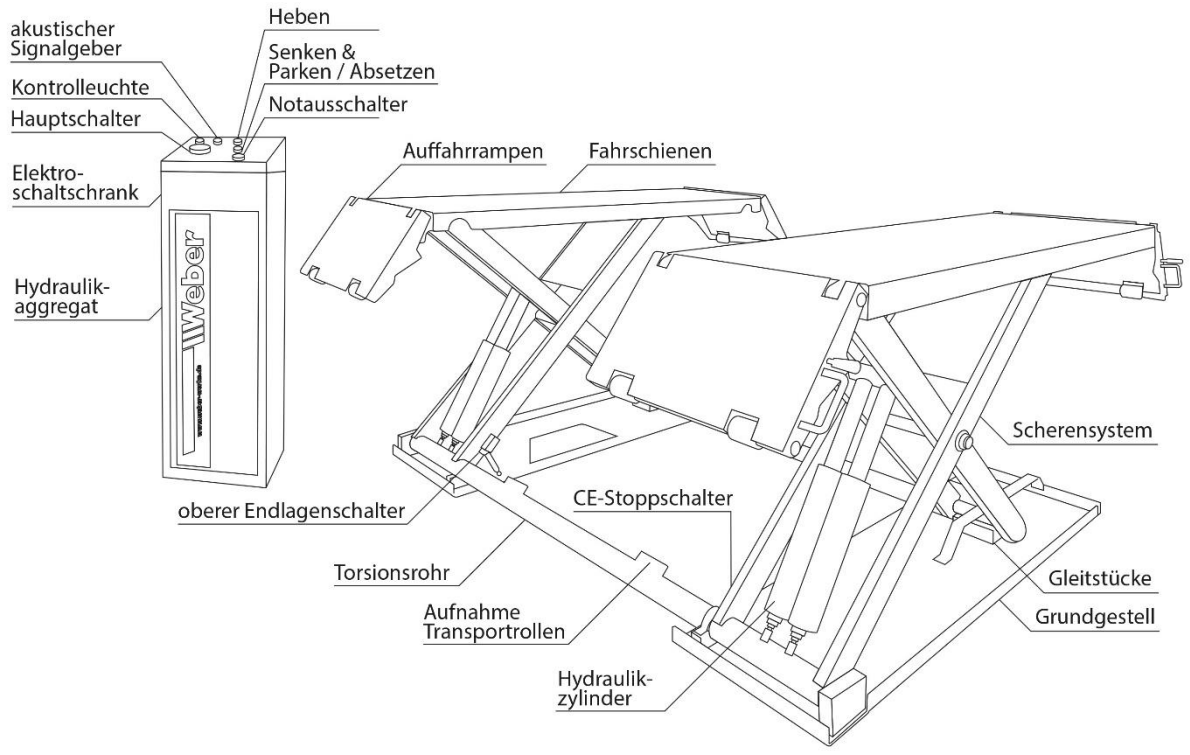
The guide rails are moved up and down on the scissor system by means of joints and hydraulically operated cylinders. The two scissor systems are connected by a torsion tube to ensure synchronized operation. To eliminate the need for safety catches, this system operates with two independently running hydraulic circuits. This is referred to as a redundant system. This provides additional hydraulic protection against the loads falling. See hydraulic diagram.

The hydraulic system consists of the motor, the pump, the oil tank, the hydraulic hoses, the hydraulic cylinders, and the leakage lines. The motor, which is operated by the push button, transmits the torque to the pump via the clutch. The pump draws oil through the oil strainer and generates a pressure of approx. 280 bar (max. operating pressure). The oil is fed into the valve block. From here, it is fed via the pressure relief valve into the two hydraulic circuits and from there into the four hydraulic cylinders in the shear system. The pressure relief valve is set to the maximum load capacity of the vehicle lift (3500 kg). This setting must not be changed. The tank of the hydraulic system has a capacity of approx. 6 l of oil. Lowering is carried out via two electromechanically operated lowering valves.

The vehicle lifting platform complies with the currently applicable standards.

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

The vehicle lifting platform may only be operated by trained, mentally and physically capable persons aged 18 or over. A record must be kept of the training and instruction given for the lifting platform.



4.2 Warning and hazard symbols

The warning and hazard symbols affixed to the lifting platform must be observed at all times.

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

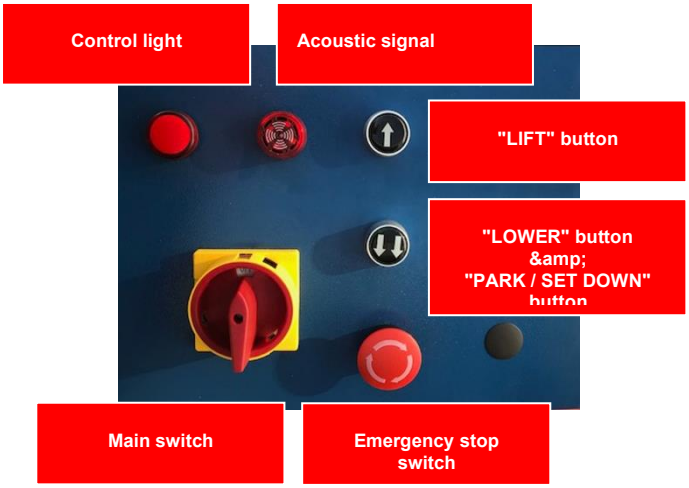
Die Last bzw. das Lastaufnahmemittel ist während der Bewegung zu beobachten und der Gefahrenbereich ist freizuhalten. Die Hebebühne ist nur zum Anheben von Fahrzeugen bestimmt, jede andersartige Verwendung ist untersagt. Fahrzeug mittig einfahren, kurz freiheben und Einstellung prüfen. Nutzlasten in 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

4.3 Lifting

To pick up a vehicle, move the guide rails to the lowest position. In this position, the vehicle can be driven onto the guide rails via the drive-on ramps. The vehicle must be driven onto both drive rails in the center. Then, the universal rubber pads must be aligned and positioned according to the vehicle manufacturer's specifications. Press the "LIFT" button to start the lift and move the rubber pads closer to the vehicle mounting points. Before lifting the vehicle, check once again that the rubber pads are correctly positioned in relation to the specified mounting points on the vehicle. In this position, the vehicle can be lifted, ensuring that the load is distributed evenly. Once the working height has been reached, hold the lift in this position by releasing the "LIFT" button.



4.4 Park / Set down

On this model, the "PARK / SET DOWN" button is combined with the "LOWER" button. The set down function is activated when the CE stop switch is pressed and the drive rails are set down on the workshop floor.

4.5 Lower

The vehicle lift platform may only be lowered when there are no persons under the vehicle or in its vicinity and there are no objects under the vehicle. To lower the lift platform, press the "LOWER" button. The drive rails will now move downwards. Make sure that no persons approach the vehicle at any time. Once the CE stop switch has been reached, continue as described in the section "Parking/Lowering." The rubber pads under the vehicle can now be removed and the vehicle can be driven away.

5 Maintenance

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

Once a month: Lubricate all moving parts with grease

Lubricate the bearing pins

Check the hydraulic system for leaks

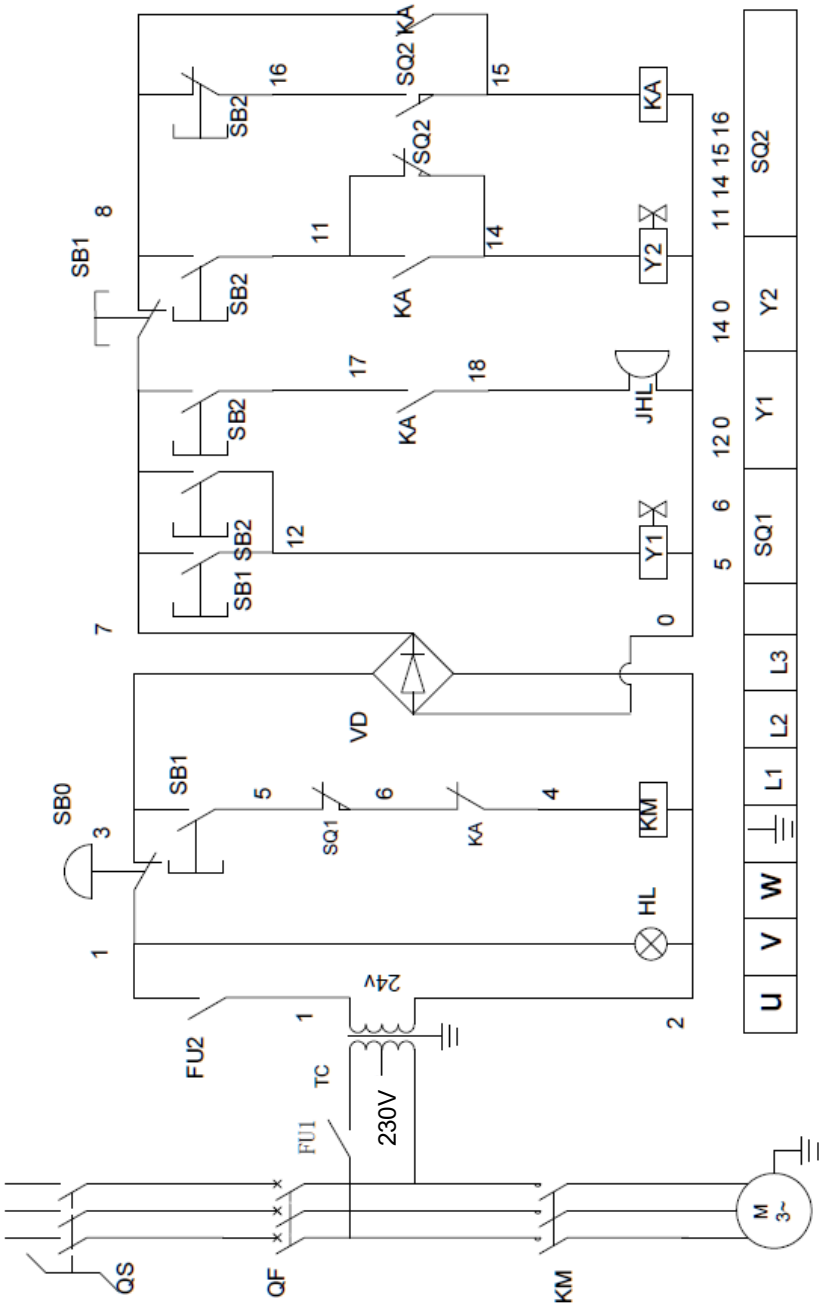
Every 3 months: Visually inspect all parts and replace any defective parts

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

After 5 years of operation, we recommend replacing the hydraulic hoses.

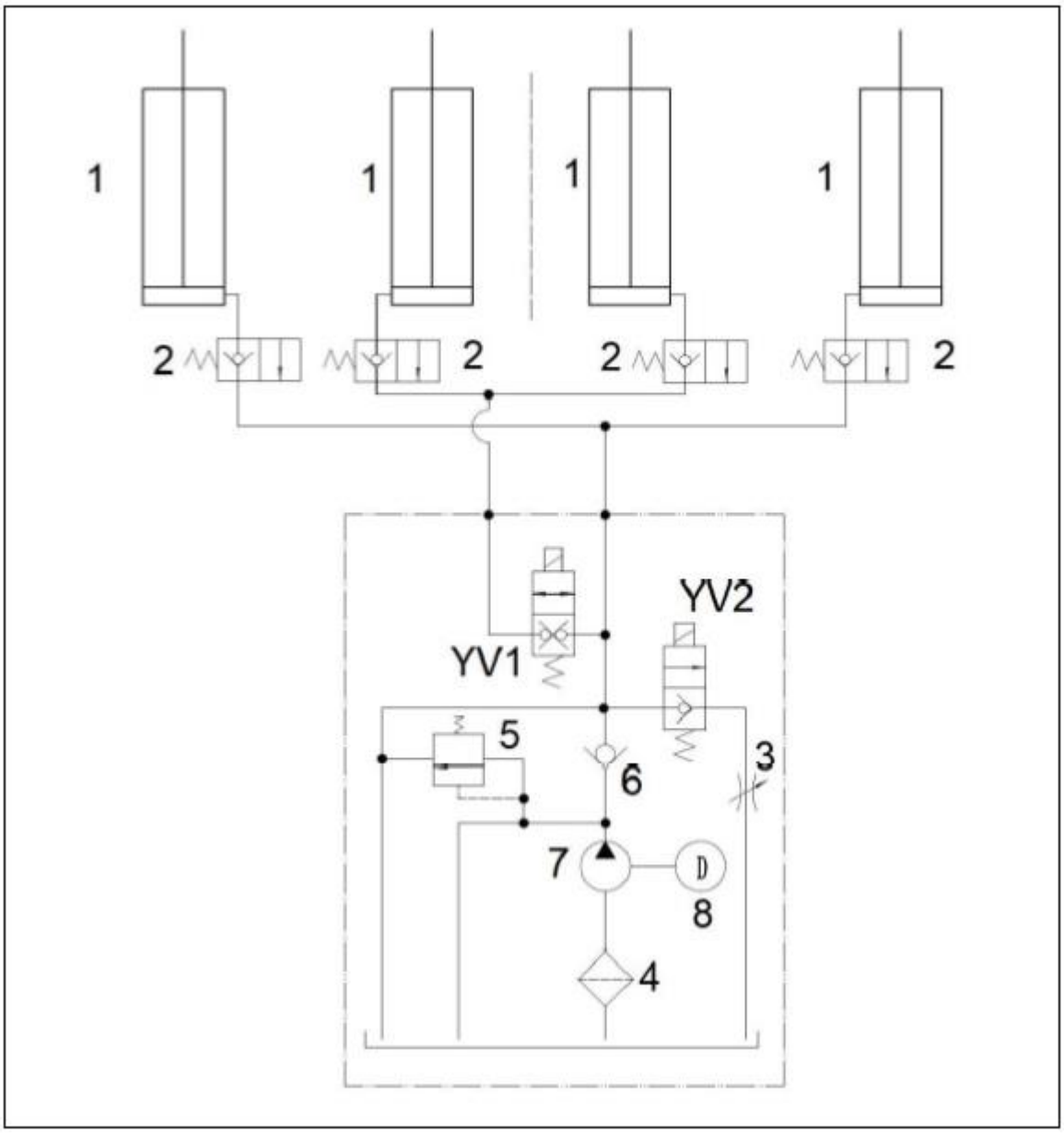
6 Circuit diagrams

6.1 Circuit diagram



QF	Lasttrennschalter	SB2	Abwärts-Taste
KM	AC-Schütz	SQ1	Endschalter
M	Motor	SQ2	Endschalter
FU1, FU2	Sicherung	KA1	Relais
TC	Transformator	JHL	Piepser
HL	Indikator	VD	Gleichrichter
SB0	Not-Aus-Taste	Y1	Senkventil
SB1	Aufwärts-Taste	Y2	Senkventil

Hydraulic diagram



1	Cylinder	2	Parachute valve
3	Throttle valve	4	Filter
5	Overpressure safety valve	6	Check valve
7	Hydraulic pump	8	Motor
YV2	Lowering valve	YV1	Solenoid valve

7 Behavior in case of malfunction

Motor does not operate

- Check the electrical power supply, including the circuit breakers.
- Next, check that all cables are securely connected.
- Check the "up" limit switch.

Motor is running, but the lifting platform does not lift

- The maximum permissible lifting load has been exceeded.
- Also check the condition of the oil filter in the tank (if heavily contaminated, wash out the filter and check the permeability of all connections in the hydraulic system).
- The pressure relief valve is incorrectly adjusted or permanently open.
- The lowering valve is dirty and does not allow pressure to build up.
- Check the hydraulic oil level; it may be too low.

The vehicle lift cannot be lowered

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

Other malfunctions

- Check that the sliding surfaces are properly lubricated.

8 Test

Each vehicle lift has been subjected to static and dynamic testing as well as electrical testing in accordance with the requirements of the applicable European standards.

The user must regularly check the lifting platform in accordance with the regulations applicable in the country of operation.

9 Disassembly and disposal

During disassembly, falling components may cause injury.

.

To avoid personal injury and/or environmental damage during dismantling and disposal, the following points must be observed:

- To avoid injury, use suitable tools and ensure that the dismantled machine parts are stable.
- Wear personal protective clothing and protective equipment.

9.1 Disposal of components

Dispose of assemblies properly!
Improper disposal of assemblies can cause environmental damage and may result in criminal prosecution!

Dispose of assemblies in accordance with local regulations. Ensure that operating materials are disposed of in an environmentally friendly manner. Local regulations for proper waste recycling or disposal must be observed.

The machine consists of:
- Steel and aluminum (e.g., housing, turntable, plug)
- Copper (e.g., motor, electrical cables)
- Plastic (e.g., electrical cables)
- Electronic components (e.g., circuit boards)

10 Initial commissioning by a qualified person

The **Weber SH-3500** lift, built in_____, serial no._____

was inspected for operational readiness on _____.

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

The operator was instructed and trained by the qualified person on the proper handling of the equipment.

_____ _____

Place, date Signature of the expert

_____

Name of the expert

_____

Address

_____

_____

_____

ATTENTION: Please return the proof of initial commissioning by a qualified technician provided below 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 A QUALIFIED PERSON FOR

LIFT PLATFORM TYPE WEBER SH-3500, year of manufacture_____, serial no._____

Date: _____ Signature: _____

Name and address of the expert

_____

_____

Address of the operator

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

Inspection log

for

Weber

scissor lift
Model: SH-3500

Version 1.0

Status: January 2018

www.weber-werke.de
Weber GmbH
Sülzbach 1
D-37293 Herleshausen
Fax
Fax
info@Weber-Werke.de

Initial commissioning by a qualified person

The **Weber SH-3500** lift, built in_____, serial no._____

was inspected for operational readiness on _____.

The following key points were checked:

- Proper fastening of the lifting platform with heavy-duty anchors (if available).
  (According to the operator, the workshop floor meets the foundation requirements specified in the operating instructions)

- Complete installation of all attachments such as drive-on rails, covers, etc.

- Checking 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 devices
  - Function of the safety devices
  - Support arm locking (if available)
  - Emergency shutdowns

- Inspection and explanation of maintenance equipment
  - Movement and lubrication of moving parts

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

- Multiple test runs with intermediate stops to the end position – with load
  (synchronous operation, limit switch, restart)

The operating personnel received detailed instruction.

Please note that damage and malfunctions resulting from failure to comply with maintenance and adjustment work (in accordance with the operating instructions and training), faulty electrical connections (rotating field, rated voltage, fuse protection) or improper use (overloading, outdoor installation, technical modifications) are excluded from the warranty!

_____ _____

Place, date Technician / Expert

_____

Customer / Operator

Report / Regular safety inspection

Installation location

_____

_____

_____

Lifting platform

Type / Model: **Weber SH-3500**

Baujahr: _____

Test step	in Order	Defect	Follow-up Check	Comment
Quick start guide Operation	□	□	□	_____
Warning signs	□	□	□	_____
Operating instructions	□	□	□	_____
Lockable main switch	□	□	□	_____
Marking Lifting – Lowering	□	□	□	_____
Condition of electrical cable	□	□	□	
Direction of rotation of the motor	□	□	□	_____
Limit switch top – bottom	□	□	□	_____
Control cable or chain function	□	□	□	_____
Condition of column, support arms, and plate	□	□	□	_____
Condition of support nut	□	□	□	_____
Function of support arm locking mechanism	□	□	□	_____
Condition of hydraulic elements	□	□	□	_____
Fill level and tightness	□	□	□	_____
Tightening torques for load-bearing screws	□	□	□	
Tightening torques for bolt anchors	□	□	□	_____
Condition of concrete floor (cracks)[1]	□	□	□	_____
Test run with motor vehicle	□	□	□	_____
_____	□	□	□	
_____	□	□	□	
_____	□	□	□	

(Please tick the appropriate box. If verification is required, please tick additionally)
1) The operator certifies that the floor complies with the requirements of the operating instructions.

Inspection carried out

_____
Place, date, name of the expert

_____
Company stamp/signature of authorized representative

Acknowledgement of defects →→→

_____
Signature of customer/operator

Report / Regular safety inspection

Installation location

_____

_____

_____

Lifting platform

Type/model: **Weber SH-3500**

Baujahr: _____

Test step	in Order	Defect	Follow-up Check	Comment
Quick start guide Operation	□	□	□	_____
Warning signs	□	□	□	_____
Operating instructions	□	□	□	_____
Lockable main switch	□	□	□	_____
Marking for lifting and lowering	□	□	□	_____
Condition of electrical cable	□	□	□	
Direction of rotation of the motor	□	□	□	_____
Limit switch top – bottom	□	□	□	_____
Control cable or chain function	□	□	□	_____
Condition of column, support arms, and plate	□	□	□	_____
Condition of support nut	□	□	□	_____
Function of support arm locking mechanism	□	□	□	_____
Condition of hydraulic components	□	□	□	_____
Fill level and tightness	□	□	□	_____
Tightening torques for load-bearing screws	□	□	□	
Tightening torques for bolt anchors	□	□	□	_____
Condition of concrete floor (cracks)[1]	□	□	□	_____
Test run with motor vehicle	□	□	□	_____
_____	□	□	□	
_____	□	□	□	
_____	□	□	□	

(Please tick the appropriate box. If verification is required, please tick additionally)
1) The operator certifies that the floor complies with the requirements of the operating instructions.

Inspection carried out

_____
Place, date, name of the expert

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Company stamp/signature of expert

Acknowledgement of defects →→→

_____
Signature of customer/operator

Report / Regular safety inspection

Installation location

_____

_____

_____

Lifting platform

Type/model: **Weber SH-3500**

Baujahr: _____

Test step	in Order	Defect	Follow-up check	Comment
Quick start guide	□	□	□	_____
Warning signs	□	□	□	_____
Operating instructions	□	□	□	_____
Lockable main switch	□	□	□	_____
Marking for lifting and lowering	□	□	□	_____
Condition of electrical cable	□	□	□	
Direction of rotation of the motor	□	□	□	_____
Limit switch top – bottom	□	□	□	_____
Control cable or chain function	□	□	□	_____
Condition of column, support arms, and plate	□	□	□	_____
Condition of support nut	□	□	□	_____
Function of support arm locking mechanism	□	□	□	_____
Condition of hydraulic elements	□	□	□	_____
Fill level and tightness	□	□	□	_____
Tightening torques for load-bearing screws	□	□	□	
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Condition of concrete floor (cracks)[1]	□	□	□	_____
Test run with motor vehicle	□	□	□	_____
_____	□	□	□	
_____	□	□	□	_____
_____	□	□	□	_____

(Please tick as applicable. If verification is required, please tick additionally)
1) The operator certifies that the floor complies with the requirements of the operating instructions.

Inspection carried out

_____
Place, date, name of the expert

_____
Company stamp/signature of expert

Acknowledgement of defects →→→

_____
Signature of customer/operator

Report / Regular safety inspection

Installation location

_____

_____

_____

Lifting platform

Type/model: **Weber SH-3500**

Baujahr: _____

Test step	in Order	Defect	Follow-up Check	Comment
Quick start guide Operation	□	□	□	_____
Warning signs	□	□	□	_____
Operating instructions	□	□	□	_____
Lockable main switch	□	□	□	_____
Marking for lifting and lowering	□	□	□	_____
Condition of electrical cable	□	□	□	
Direction of rotation of the motor	□	□	□	_____
End stop top – bottom	□	□	□	_____
Function Control cable or chain	□	□	□	_____
Condition of column, support arms, and plate	□	□	□	_____
Condition of support nut	□	□	□	_____
Function of support arm locking mechanism	□	□	□	_____
Condition of hydraulic elements	□	□	□	_____
Fill level and tightness	□	□	□	_____
Tightening torques for load-bearing screws	□	□	□	
Tightening torques for bolt anchors	□	□	□	_____
Condition of concrete floor (cracks)[1]	□	□	□	_____
Test run with motor vehicle	□	□	□	_____
_____	□	□	□	
_____	□	□	□	
_____	□	□	□	

(Please tick the appropriate box. If verification is required, please tick additionally)
1) The operator certifies that the floor complies with the requirements of the operating instructions.

Inspection carried out

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Place, date, name of the expert

_____
Company stamp/signature of expert

Acknowledgement of defects →→→

_____
Signature of customer/operator

Report / Regular safety inspection

Installation location

_____

_____

_____

Lifting platform

Type/model: **Weber SH-3500**

Baujahr: _____

Test step	in Order	Defect	Follow-up Check	Comment
Quick start guide Operation	□	□	□	_____
Warning signs	□	□	□	_____
Operating instructions	□	□	□	_____
Lockable main switch	□	□	□	_____
Marking for lifting and lowering	□	□	□	_____
Condition of electrical cable	□	□	□	
Direction of rotation of the motor	□	□	□	_____
Limit switch top – bottom	□	□	□	_____
Control cable or chain function	□	□	□	_____
Condition of column, support arms, and plate	□	□	□	_____
Condition of support nut	□	□	□	_____
Function of support arm locking mechanism	□	□	□	_____
Condition of hydraulic elements	□	□	□	_____
Fill level and tightness	□	□	□	_____
Tightening torques for load-bearing screws	□	□	□	_____
Tightening torque for bolt anchors	□	□	□	_____
Condition of concrete floor (cracks)[1]	□	□	□	_____
Test run with motor vehicle	□	□	□	_____
_____	□	□	□	
_____	□	□	□	
_____	□	□	□	

(Please tick the appropriate box. If verification is required, please tick additionally)
1) The operator certifies that the floor complies with the requirements of the operating instructions.

Inspection carried out

_____
Place, date, name of the expert

_____
Company stamp/signature of expert

Acknowledgement of defects →→→

_____
Signature of customer/operator

Report / Regular safety inspection

Installation location

_____

_____

_____

Lifting platform

Type/model: **Weber SH-3500**

Baujahr: _____

Test step	in Order	Defect	Follow-up Check	Comment
Quick start guide Operation	□	□	□	_____
Warning signs	□	□	□	_____
Operating instructions	□	□	□	_____
Lockable main switch	□	□	□	_____
Marking for lifting and lowering	□	□	□	_____
Condition of electrical cable	□	□	□	
Direction of rotation of the motor	□	□	□	_____
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Condition of support nut	□	□	□	_____
Function of support arm locking mechanism	□	□	□	_____
Condition of hydraulic elements	□	□	□	_____
Fill level and tightness	□	□	□	_____
Tightening torques for load-bearing screws	□	□	□	
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Condition of concrete floor (cracks)[1]	□	□	□	_____
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_____	□	□	□	
_____	□	□	□	
_____	□	□	□	

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Signature of customer/operator