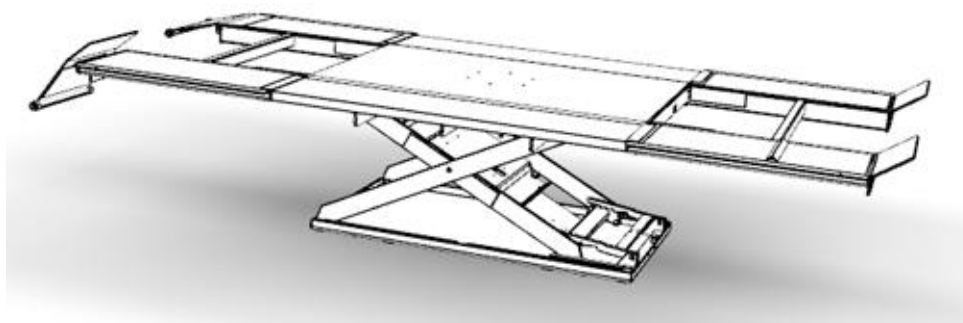




Operating Manual and Test Record for Service Lift

Machine Type	Article No.	Serial No.
K1200-TA	HLS 1200-17	
K1200-TA	HLS 1200-18	



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760-075_Manual_HLS1200-17-18_(TA)_2024.01_3.2_EN.doc
Translation of german original version

Table of Contents

1	Operation and Safety Inspection	5
2	General information	6
2.1	Hazard warnings	6
2.2	Limitation of liability	6
2.3	Copyright.....	7
2.4	Terms of guarantee	7
2.5	Customer service	7
3	Product description.....	8
3.1	Intended use	8
3.2	Product structure	9
3.3	Technical Data	10
3.4	Product designation.....	10
4	EC Declaration of Conformity	11
5	General safety instructions	12
5.1	Operator's duty of care.....	12
5.2	Operator's duties	12
5.3	Basic safety measures	13
5.4	Requirements of operating personnel	14
6	Transport and preparation	15
6.1	Transport inspection.....	15
6.2	Disposal of the packaging materials.....	15
6.3	Adjustment and preparation	15
6.4	Package and disposal	15
7	Setting up / Assembling.....	16
7.1	Environmental conditions for assembly	16
7.2	Setting up / Assembling.....	17
8	Operation.....	18
8.1	Description of the operating elements	18
8.2	Working at the lifted vehicle	18
8.3	Commissioning.....	18
8.4	Operating	19

8.5	End of work	20
9	Troubleshooting.....	21
9.1	Possible problems and their resolutions.....	21
10	Maintenance.....	22
10.1	Air bags characteristics and durability.....	23
10.2	Notice about filter regulator and air line	23
10.3	Notice about the sliding area of the scissors.....	23
10.4	Lubrication and test points	24
11	Safety Inspection.....	25
11.1	Regular safety check	26
12	Disassembly and Disposal	27
12.1	Disassembly.....	27
12.2	Disposal	27
13	Additional information	28

1 Operation and Safety Inspection

Carried out by the manufacturer to check the following details:

Following plates present:

- ☐ Identification plate
- ☐ Operating instructions (abbreviated)
- ☐ Lifting capacity
- ☐ Bar mains pressure
- ☐ Raise "up",- lower "down"
- ☐ Company logo
- ☐ CE marking

Operation and safety checked:

- ☐ **Safety valve set to 3.5 bar operating pressure**

Inspected:

- ☐ Unladen function test
- ☐ Safety catch function
- ☐ The control valve automatically goes into the 0 position
- ☐ No damage to the surface of the air bags
- ☐ Secure fit of all supporting screws
- ☐ Safeguard of the scissor pins
- ☐ Condition of the pneumatic lines (proper position and do not leak)
- ☐ Function loading ramps / roll-off protection

Serial No.: See cover sheet

Date: _____

Name: _____

Herkules Hebetchnik GmbH
Miramstraße 68b
D- 34123 Kassel
Tel.: 0561/58907-0
Fax: 0561/58907-34

2 General information

The operating instructions (and test log book) contain important information concerning the installation, and ensure safe, proper, and economical operation as well as preservation of operational safety. Observance of these operating instructions will help you to avoid danger, reduce repair costs and downtime as well as to increase the life of your service lift.

As evidence of regular **safety checks** this test log book contains a form. This should be used to provide documented details of tests. (It is advisable to make a copy of the form before starting to fill it out.)

Installation and testing

Safety-related work and safety inspections may only be performed by suitably trained personnel. In this documentation, personnel are designated as expert and qualified persons.

2.1 Hazard warnings

To identify hazardous areas and important information, the following symbols with the described definitions are used. Please pay special attention to text sections marked with these symbols.



Signifies **danger for life and limb, meaning improper execution of the process referred to by the symbol may be fatal!**



Signifies a notification of a key function or an important notice!

2.2 Limitation of liability

All details and indications in this operating manual were compiled taking into account the applicable standards and regulations, and the latest technology as well as our many years of insight and experience. The manufacturer accepts no liability for any damage caused by:

- Failure to adhere to the operating manual
- Improper use
- The intervention of non-qualified staff
- Arbitrary alterations
- Neglecting maintenance

2.3 Copyright

These operating instructions are to be treated as confidential and are solely intended for personnel working with the machinery. Transfer of the operating manual to third parties without the written consent of the manufacturer is prohibited.



Text, drawings, images and other illustrations are copyrighted and intellectual property rights apply.

2.4 Terms of guarantee

The terms of guarantee are included as a separate document in the sales brochures.

2.5 Customer service

For technical information, please contact our customer service centre as follows:

**Customer
service**

Herkules Hebetchnik GmbH
Miramstraße 68b
D – 34123 Kassel
Tel.: +49 (0)561 58907-70
Fax: +49 (0)561 58907-34
Email: info.de@hedson.com

3 Product description

3.1 Intended use

The lift is exclusively intended for lifting vehicles (passenger cars) with a maximum nominal load (**see chapter on Technical data**).

Lifting individuals and other objects is prohibited.

Working under a lifted vehicle and during the lifting and lowering movement is not permitted.

Operation may only be performed by persons who have read and understood the operations manual and who are more than 18 years of age.

Vehicles may only be lifted at the designed lifting points (at framework or on the wheels). It is only allowed to lift vehicles as stated in the operating instructions.

The scope of intended use also includes the reading of the current operating manual as well as compliance with all the indications included in the same – particularly safety instructions.

The scope also extends to ensuring that all inspection and maintenance operations are implemented within the prescribed time periods.

If the vehicle lift system is not used according to its intended use, safe operation of the system cannot be guaranteed.

In the event of any accident resulting in personal injury or damage to property resulting from improper use, the operator of the lifting system shall be responsible and not the manufacturer!

3.2 Product structure

The vehicle lift consists of a pneumatically operated platform main body on one hand and of a cantilever set on the other hand lifting the vehicle directly by the wheels.

The air bag performs an axial stroke movement that is carried out laterally by the scissors. The scissors also restrict the lift height of the service lift. A safety catch prevents the service lift from sinking in the case of deflation.

The operation of the service lift ensues with an operating unit that is connected to the lift via two pneumatic tubes (air bags / safety catch).

Technical data about the service lift is available in **the Technical data Chapter**.

You will find reference to professional assembly in the **Mounting Chapter**.

Diagram 1: *HLS 1200-17*

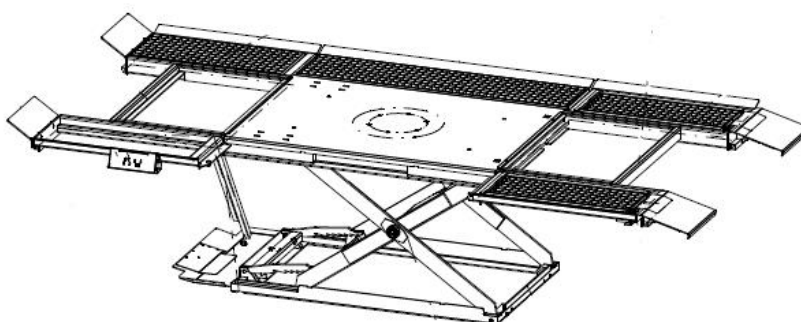
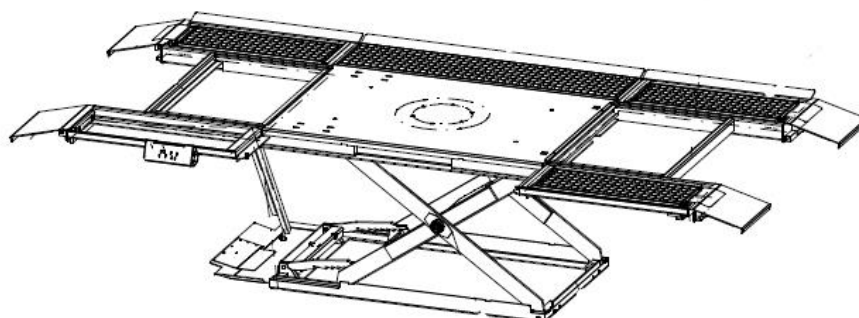


Diagram 2: *HLS 1200-18*



3.3 Technical Data

Technical changes reserved.	HLS 1200-17	HLS 1200-18
Lifting capacity of the service lift	2500 kg	
Maximum load distribution	3:2 in or against the driving direction	
Lifting time of the service lift	approx. 15 sec.	
Lowering time of the service lift	approx. 20 sec.	
Height of the service lift	825 mm	825 mm
Insertion height minimum/ overhead height	930 mm	825 mm
Length of the base body	105 + 5 mm	
Length of the base body	1597 mm	
Width of the base body	1071 mm	
Total length with Ramps	ca. 4120 mm	
Total width with Ramps	ca. 1910 mm	
Gear	pneumatic (2 air bags)	
Operating pressure for the safety valve	3,5 bar	
Pneumatic connection to supply system P_{max}	8 bar (provided by the customer)	
Noise pollution under	70 dB(A)	
Dimension sheet	K1200-001-3	
Pneumatic circuit diagram	TA-1201-77-3 Bl.2	
Safety devices		
Anti-drop safety device	Yes	
Safety valve	Yes	

3.4 Product designation

The details of the lifting platform are stated on the type shield on the machine frame as well as in the EC Declaration of conformity.

Details
Identification
plate

Article No.		Year of construction	
Machine type		Operating pressure	
Serial No.		Vers.	
Lifting capacity		Empty weight	

4 EC Declaration of Conformity

set out in Annex II A of the EC Machinery Directive
(2006/42/EC)

The manufacturer	Herkules Hebetchnik GmbH Miramstraße 68b D - 34123 Kassel			
	Herkules Hebetchnik GmbH			
is responsible for the documentation and declares that the following machine described,	Service lift	Maschine- Type K1200-TA	Art.- No. HLS 1200-17 HLS 1200-18	Serial-No. See cover sheet
complies with the Health and Safety requirements of the following EC directives:	Machinery Directive 2006/42/EG			

EC type examination	Test certificate no.
K1200-TA	44 205 12 021010
Testing laboratory	TÜV Nord Cert GmbH

5 General safety instructions

5.1 Operator's duty of care

The lifting platform was designed and built taking a hazard assessment into account and following careful selection of the harmonised standards to be met, as well as additional technical specifications. It thus corresponds to the state of the art and guarantees the utmost level of safety.

However, this safety level can only be reached during practical operation, when all measures required have been implemented. The Due diligence is required on the part of the operator of the lifting platform, to plan these measures and ensure their implementation.

The operator must, in particular, ensure that

- The lifting platform is only used as intended (**see chapter on Product description**).
- The service lift only be used in a fully functional and fault-free state and will be checked regularly for operational functionality with special attention to safety equipment.
- The placement of the service lift is located and designed so that the operator is able to observe all movements of the load as well as have an overview of the area under the lift and its load. The operator is responsible for supplying adequate lighting.
- Access to the danger area (area under the lifting platform and under the load) by individuals is forbidden. Operations in the danger area are prohibited. Maintenance operations are excluded, (**see Chapter on Maintenance**).
- The operating instructions are to remain fully readable and available in the area in which the lifting platform is used.
- The lifting platform is only used by individuals having read and understood the operating instructions.
- Personnel are to be regularly instructed of all relevant information regarding work safety and environmental protection and familiar with the operating instructions and the safety notices therein.
- Only qualified individuals and experts may repair the lifting platform.
- None of the safety and warning notices linked to the lifting platform are to be removed and must remain readable.
- No interference with the service lift (for example, repairs) should take place without adhering adequately to protective measures (safeguard the base from sinking with a service support).

5.2 Operator's duties

The operating safety ordinances are intended for the operators of work equipment used in vulnerable areas.

The operator must take a risk assessment of the area where the work equipment (service lift) will be used. The dangers that arise during the use of the work equipment related to the substances and working environment should be detected and taken into account.

The operator shall take the measures necessary and choose operating equipment suitable for the conditions prevailing at the workplace and assure the safety and health of employees.

For the execution of risk assessment and decision on suitable equipment, the operator must apply country-specific guidelines and standards.

5.3 Basic safety measures



When operating the service lift, the statutory accident prevention regulations in accordance with BGV A1 (General requirements) apply. Regulations BGR 500 (operators of work equipment) can be used for information purposes.



Make sure that the front wheels are in the straight-ahead position. Before lifting, prevent the vehicle from rolling away. Pull the hand brake and shift the car into reverse or first gear. For vehicles with automatic transmission shift the car into the P position.



The operator is to monitor the vehicle during lowering and lifting.



Service lift parts such as air bags or air bags must be protected while working with high temperatures (welding, grinding, etc.) and from mechanical and chemical damage.

Compliance with the following points is particularly emphasised:

- The service lift is only to be used for lifting passenger cars.
- The total weight of the lifted car may not exceed the stipulated lifting capacity, whereby a maximum load distribution of 3:2 in the driving direction or 2:3 against the driving direction is permitted.
- While operating the service lift, instructions in the operator's manual are to be complied with.
- Only persons who are 18 years old or older and instructed in the use of the service lift are permitted to use it.
- During lifting and lowering movements, no person other than the operator may stand in the way of the area of movement for loading and service lift.
- The transport of passengers on the service lift or in the car being lifted is prohibited.
- Climbing on the service lift or in the car being lifted is prohibited.
- In the event of modifications (i.e. repairs) appropriate safety measures must be met. (Safeguard the base from sinking with a service support.)
- Sufficient clearance between low lying vehicle parts and the service lift should be ensured before lifting begins.



Not complying with the safety regulations can cause serious injuries as well as damage to the lifted vehicle.

5.4 Requirements of operating personnel

The lifting platform must only be used by individuals who have been suitably trained, instructed and authorised. These persons must be familiar with the operating manual and proceed in accordance with the same. The respective authorisations of the operating personnel are to be clarified.

Moreover, for the following activities, specific qualifications are required:

Operation	Execution
Installation	Herkules service assemblyman / qualified person
Starting up	Herkules service assemblyman / qualified person
Briefing	Herkules service assemblyman / qualified person
Fault clearance	Herkules service assemblyman / qualified person
Servicing	Herkules service assemblyman / qualified person
Maintenance	Herkules service assemblyman / qualified person
Repairs	Herkules service assemblyman
Disassembly	Herkules service assemblyman / qualified person

Operating individuals in training should only operate the lifting platform when supervised by an experienced person. Evidence of completed and successful training should be confirmed in writing.

All control and safety installations must, generally speaking, only be operated by suitably trained persons.

All individuals engaging in activities involving the lifting platform must read the operating instructions and sign to confirm that they have understood them.

6 Transport and preparation

6.1 Transport inspection

Check the order upon receipt of delivery for damages caused during transport. If there is identifiable damage, proceed as follows:

- Leave the goods and packaging in an unchanged state. Do not attempt to use the product.
- Immediately contact Herkules customer service.

Customer service: Herkules Hebetchnik GmbH
Miramstraße 68b
D - 34123 Kassel
Tel.: +49 (0)561 58907-0
Fax: +49 (0)561 58907-34
E-mail: info.de@hedson.com



Do not send back damaged goods before receiving confirmation from the customer service centre!

6.2 Disposal of the packaging materials

The packaging material must be disposed of in accordance with the current environmental - and disposal guidelines.

6.3 Adjustment and preparation

Align the parts that the air hoses have the shortest way to the air supply. Remove foil and the safety of the transport lock.

Connect the operating control unit (hand valve of the accessories) with the rubber hoses to the main body of the lift.

Assemble the frame of the cantilever symmetrically to the main body on the floor. See installation instructions and **chapter „Setting up / Assembling“** of the operating instructions.

Lower then the upper part of the lift completely, align and fix it at the concrete of the supporting construction, see **chapter „Setting up / Assembling“**.

6.4 Package and disposal

The lift is packed with cardboard and foil. After the removal you have to dispose these in an environmentally friendly matter. Do not burn the packaging material.

7 Setting up / Assembling

When setting up the lift, the following safety instructions have to be observed – thereby injuries that are dangerous to life, engine trouble and further damages to properties are avoided.

- The installation work must only be performed by suitable-trained persons and with compliance of the safety instructions during the process.
- Before starting assembly work, check if the platform has not been damaged during the transportation.
- Make sure that only authorised persons are in the working area and that no other persons can be put at risk by the installation work.
- All machine connections (hoses) must be laid in such way that they can not cause stumbling hazard.
- Also read the chapter **General safety information**.

7.1 Environmental conditions for assembly

The service lift is only suitable for use in dry, closed, indoor rooms.

The ground where the car lift is to be assembled should be horizontal and flat (according to DIN 18202), and the load capacity of the floor must be able to support the total weight of the service lift.

The operator is solely responsible for the selection of the installation location.

The service lift must only be used within a temperature range of 5°C to 65°C. During the selection of the assembly location bear in mind the measurements of the service lift that are outlined in the **chapter on Technical data** as well as the **chapter on Additional information** (take note of the measurements with a lifted vehicle as well).

Adequate ceiling height must be present (at least the total height of the service lift plus the vehicle height). Care must be taken that the minimum distances specified are adhered to (according to country-specific regulations and workplace ordinances) with regard to distance between walls and equipment respectively. It should be noted that the service lift must not block any emergency escape routes. Adequate lighting must be present at the assembly site (according to country-specific regulations and workplace ordinances).

A compressed air supply R1/2" of 8 bar mains pressure must be available at the service lift assembly location.



Care must be taken in selecting the assembly location so that the operator has an unobstructed view of the service lift and the car being lifted.



Only use dehumidified, non lubricated compressed air! A filter regulator must only be installed in the mains connection (air filter and water separator)!

7.2 Setting up / Assembling

Connect the compressed air hose supplied by the customer with the coupler socket NW7 on the hand lever. Fill the platform that is positioned on a pallet with air until the safety catch slides over the last notch. Release the lever valve.

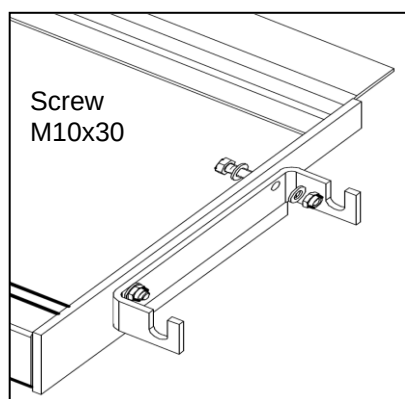
Hoist the platform with an appropriate lifting device at the cross strut of the cantilever that the lower frame is placed on the floor. Remove the pallet and lower the platform.

Assembling of the roll-off protection

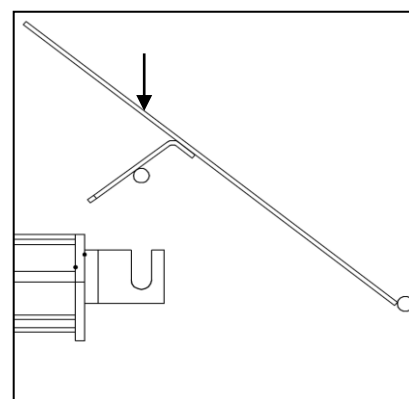


The assembly of the roll-off protection is absolutely necessary to protect the vehicle against rolling away.

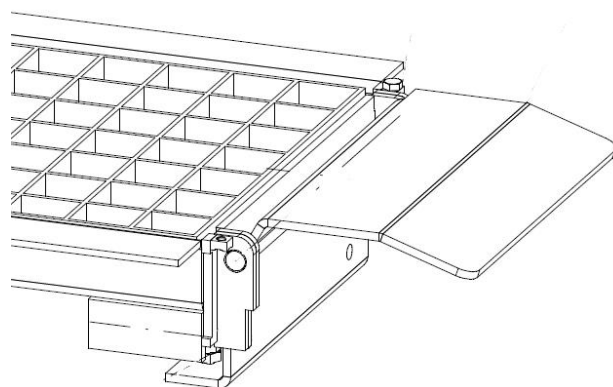
Step 1: Tighten the supports to the cantilevers of the platform. Then insert the roll-off protection, see picture 2.



Lock nut M10 and
washers
M 10,5



Step 2: Clamp the second flap at first with the left side, then with the right side into the channel. At the end insert the grid.



Check if all screws are fitted in a perfect way!

8 Operation

It is essential that the following safety instructions be followed while operating the service lift and the guidelines in the Chapter on **General safety instructions** be observed. Adhering to safety instructions helps to avoid life-threatening injuries, personal damages, as well as damage to machinery.

The lifting platform may only be used / deployed in accordance with its intended use. Please ensure that you are aware of what to do in the case of an accident or emergency before using the lifting platform.



Individuals working with the lifting platform must wear safety shoes and be familiar with the operating instructions.

8.1 Description of the operating elements

The lifting platform K1200-TA is supplied with a collapsible operating element that is fixed to the lifting platform. The operating element consists of an actuating lever that is mounted laterally to the cantilever. The operating valve has three settings: lift, 0 setting and lower. The settings are identified accordingly. A solid frame protects the operating valve. The pressure gauge indicates the pressure in the air bag.

8.2 Working at the lifted vehicle

- Follow the legal regulations for the prevention of industrial accidents.
- Make sure that no one is in the space under the lifted.
- It is not allowed to put parts or tools on the lifted vehicle or lifting platform.
- The load-carrying equipment and the vehicle must not be set into vibration.
- Pay attention to the shift of the center of gravity when installing or dismantling heavy parts to or from the vehicle.



Secure the vehicle against tilting.

8.3 Commissioning

Read the following functional check list before using the service lift:

- Make sure that no persons or objects are present in the area of operation of the service lift.
- Secure the compressed air supply.
- Open the main tap on the operating control unit.
- Confirm that the operating control unit switch is in the lifting position- „lift“ until the service lift reaches the upper end limit.
- Confirm that the operating control unit switch is in the lowering position-“lower” until the service lift reaches the lower end limit
- Let the operating control unit switch at the 0-position when the service lift should stop.
- Repeat lifting and lowering movements several times without load.
- The safety catch should lock into place at the end of each lift movement or in the intermediate position on both sides in the gear teeth.

Observe the operating instructions for the respective work places on the service lift. Only the operating personnel may stand in the vicinity of the service lift while in use.

Also read the chapter „**General Safety Instructions**“.

8.4 Operating

The safety guidelines in the **chapter "General safety instructions"** should be carefully read before operating and must be strictly adhered to during operation.



During the lifting and lowering process the platform and the vehicle shall be observed.

Drive on / leaving the platform:

- Be sure that the lifting platform is completely retracted. .
- Load the service lift with a vehicle over the ramps.
- Make sure that the vehicle is centered in both length- and width-wise on the platform.
- Secure the vehicle from rolling away by engaging the hand brake and shifting into gear.

To lift the platform follow these steps:

- Ensure that the vehicle is securely on the lift platform.
- Make certain that the lift platform can be safely raised.
- Proceed with lifting until the desired height is achieved. After the desired height is achieved, put the gear lever into the 0 position (neutral). The lift platform remains at this height. After releasing the gear lever, the lever automatically returns to the 0 position (neutral) and lifting ceases. Lifting automatically stops once the maximal lift height is achieved.



Care must be taken during lifting, that the safety catch is securely engaged in the gear teeth on each side after each lifting movement (especially between movements smaller than the lift max.) This is noticeable through a clearly audible "clicking" sound.

To lower the platform follow these steps:

- Areas subject to danger must be monitored before lowering and no persons or objects may be in the operation area of the service lift before lowering takes place.
- The interim drive over ramps must be raised.
- Switch the gear lever of the operating unit to "Lower".
- Lowering ends when the service lift has returned to its initial position. Stopping the lowering movement is possible at all times by switching the gear lever to the '0' position (neutral). Releasing the gear lever automatically causes the lever to switch back to the '0' position and thus interrupts the lowering movement.



During the lifting and lowering process the platform and the vehicle shall be observed.

Safety catch

- During the lifting the safety catch is swiveled down.
- The safety catch is lifted up by means of the cylinder during lowering movement.



**Should the service lift not lower:
In this case briefly lift the service lift until the drop is free. Afterwards repeat the lowering movement.**

8.5 End of work

After completing work with the service lift the following points should be adhered to:

- The service platform must be in the lower end limit.
- Close the main tap of the operating control unit.
- Guard the main tap from unauthorized use with a padlock (not included in delivery).

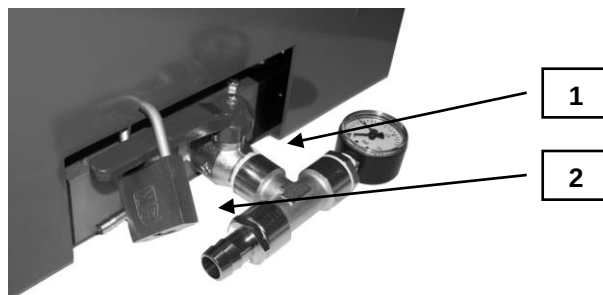


Diagram 3: *Operating unit is safeguarded from unauthorized use*

No.	Description
1	Main tap locked
2	Padlock (not included in delivery)

Requirements of padlocks:

- padlock width: 38-43 mm
- closed shackle height: 28-35 mm
- shackle diameter: max. 6 mm

9 Troubleshooting

To avoid machine damage or life-threatening injuries while resolving faults with the lifting platform, the following points must be observed at all times:

- Only attempt to repair a malfunction if you are suitably qualified to perform such work.
- Protect the service lift from unintentional restart by disabling the compressed air supply.
- Secure the upper frame in the lifted position with a stand or a proper support.
- Also read the **chapter General Safety Instructions**.

9.1 Possible problems and their resolutions

Malfunction	Source of fault	Rectification of errors
Malfunction while lifting	Pressure gauge of the maintenance unit without bar mains pressure.	Make sure there is a mains pressure of $P_{max} = 8$ bar. Open the shut-off valve.
	Hose lines squashed, bent, or damaged.	Check the hose lines and if necessary replace them with new ones.
	Gauge pressure 1 bar above allowable pressure of the safety valve	Check the safety valve for contamination and replace if necessary.
Malfunction while lowering	Lift platform is resting on top of an obstacle	Raise the lift platform, remove the obstacle, and then continue lowering.
	Safety catch engaged	For bar mains pressure $P_{max} = 8$ bar make sure the gear lever is switched to "Lift" until the safety catch is free. Afterwards repeat the lowering movement.



If, despite the above measures, the lifting platform cannot be lifted or lowered, the customer service department must be notified.

Customer service:

Herkules Hebetchnik GmbH
Miramstraße 68b
D - 34123 Kassel
Tel.: +49 (0)561 58907-0
Fax: +49 (0)561 58907-34
E-mail: info.de@hedson.com



When replacing defective parts, always only use original spare parts from the manufacturer.

10 Maintenance

Maintenance work should be carried out at the specified maintenance intervals and only by qualified persons. Neither water nor flammable liquids may be used during the cleaning process.

To ensure durability and continuous operation of the service lift, the following points should be observed:



- Only spare parts from the original manufacturer and suitable tools may be used.
- Regular maintenance intervals must be observed.
- For all maintenance work not outlined or explained in this instruction manual, please contact your supplier or customer service of the manufacturer.

Only perform maintenance when the lift achieves a max. (unloaded), the lift platform is braced with service supports, and the compressed air supply is disabled!

Maintenance intervals	Points to follow	Comments
Monthly Or after approx. 300 lifts	All moveable parts such as pivot bolts, sliding pads, and sliding surfaces should be checked for wear and tear, cleaned, and lubricated. Check air bags and air tubes for any damages. Visually inspect and check for leaks. Examine the surface of the air bags for impurities, then clean, and maintain. Inspect valves for functionality and check for leaks. Inspect the maintenance unit (filter regulator, provided by the customer), and consult the product manufacturer's instructions. Check middle pin for secure seating	Only use lubricants that contain no adhesive-repelling substances in the area to be lubricated.
Yearly Or after approx. 3600 lifts	Regular safety check (In accordance with §10 (2) German Plant Health and Safety regulations)	For test protocol see Chapter "Regular Safety Check" .
Replace the safety valve Or after approx. 7200 lifts	After every 2 years of operation.	
Every 6 years of operation Or after approx. 21600 lifts	Replace the complete air hoses.	

10.1 Air bags characteristics and durability

The air bags are a flexible element developed and designed specifically for use in lift platforms. The rubber covering reduces the aging process and should be especially carefully checked.

Tips for a long operating life:

- Use dry as well as non-lubricated compressed air.
- Protect from UV radiation (i.e. through welding or the use of a UV dryer).
- Avoid the use of chemical agents.
- Protect the unit from damage (grooving, etc.).
- Adhere to maintenance and care instructions (see **Chapter Maintenance**).

Damaged air bags must be replaced. Only original parts from the manufacturer are permitted to be used.

10.2 Notice about filter regulator and air line

The filter regulator is not included in the scope of delivery of the lift platform. A filter regulator must be installed in the mains connection (provided by the customer). Only dehumidified, non-lubricated compressed air should be used. Follow maintenance and cleaning of the filter regulator, consult the information and instructions of the filter regulator manufacturer.

10.3 Notice about the sliding area of the scissors

Due to the design principles of the sliding surfaces of the scissors, great force is exerted. This force can lead to scoring on the sliding surfaces. However, the function of the service lift will not be compromised. The maintenance intervals and instructions outlined in the **Chapter Maintenance** are to be observed.

10.4 Lubrication and test points

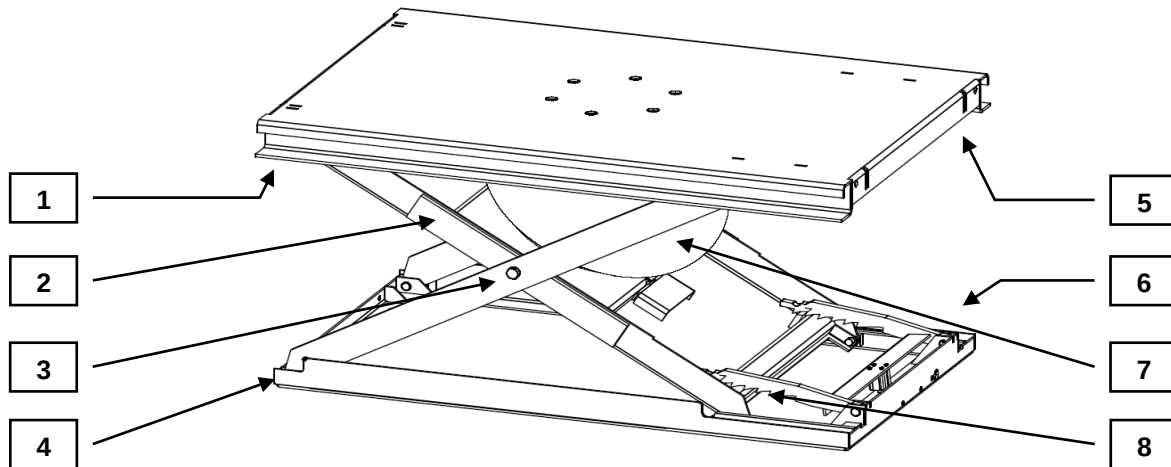


Diagram 4: Lubrication and test points

No.	Description	Lubrication and test points
1	bearing pin overhead (right and left)	- Check the safety washers from both of the bearing pins for proper fit. - lubricate bearing pin
2	sliding surfaces of the scissors (right and left)	- Check the sliding surfaces of the scissors for wear. - lubricate sliding surfaces
3	scissor pins (right and left)	- Check that the scissor pins are properly fixed. - Check the safety nuts.
4	bearing pins below (right and left)	- Check the safety washers from both of the bearing pins for proper fit. - lubricate bearing pin
5	sliding pads and guide rails above (right and left)	- Check sliding pads for damage and wear. - Lubricate sliding pads and guide rails.
6	bearing pin safety catch (right and left)	- Check the safety washers from both of the bearing pins for proper fit. - lubricate bearing pin
7	air bags	- Check air bags for damage. - Check the screws on the air bags reinforcement both above and below for proper fit.
8	sliding pads and guide rails below (right and left)	- Check sliding pads for damage and wear. - Lubricate sliding pads and guide rails.

11 Safety Inspection

Safety inspection is required to guarantee the operational safety of the service lift.

It should be performed:

Before starting up the lifting platform for the first time by the manufacturer.

The use of which can be found under the section "operation and safety inspection"(**Chapter operation and safety inspection**).

After the first commissioning, check at regular intervals in accordance to §10 (2) BetrSichV (German Plant Health and Safety Regulations)!

The use of which can be found under the section "regular safety check"(**Chapter regular safety check**).

Document the condition of the service lift in a separate copy and attach it to the operating instructions and inspection log.



Regular safety checks must be performed by a suitably-trained person. It is advisable to also implement maintenance at the same time.

11.1 Regular safety check

(In accordance with §10 (2) German Health and Safety regulations !)

Device type	
Serial number	

Inspection step	OK	Not OK	re-examination	Remark
Nameplate				
Sign with lifting capacity				
Sign with bar mains pressure				
Operating instructions (abbreviated)				
Designation lift - lower				
Secure fit of all supporting screws				
Safeguard of the scissor pins				
condition of the pneumatic lines				
safety valve set to 3.5 bar operating pressure				
Pressure gauge bar mains pressure $P_{max} = 8$ bar				
Control lever returns automatically to the '0' position when released				
Safety catch function				
Loading ramps function				
Condition of the air bags				
Condition of the supporting structure				
Functionality of the service lift with vehicle				

Inspection result	
	Start-up not permitted, verification required
	Start-up possible, faults to be rectified by:
	No fault, start-up possible immediately

Safety inspection performed on:

Name and address of qualified personnel

.....
Signature of competent person

.....
Signature of operator

With the required rectification of faults

.....
Signature of competent person

.....
Signature of operator

12 Disassembly and Disposal

12.1 Disassembly

To correctly disassemble the system, perform the steps in the assembly instructions found in **Chapter Assembly instructions** in the reverse order.

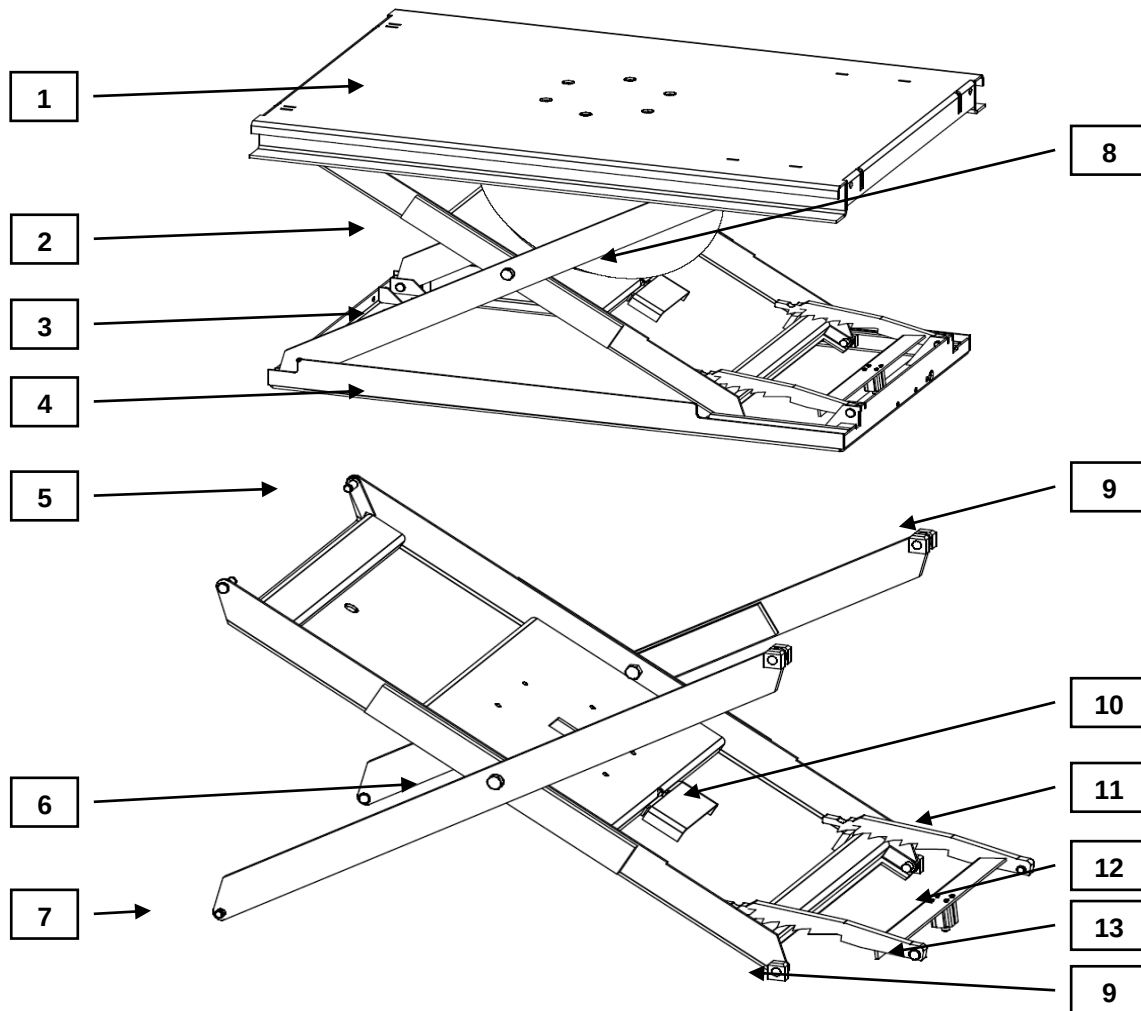
The safety regulations in **Chapter General Safety Instructions** must be observed when disassembling the system.

12.2 Disposal

The service lift must be disposed of in accordance with the current environmental and disposal guidelines.

13 Additional information

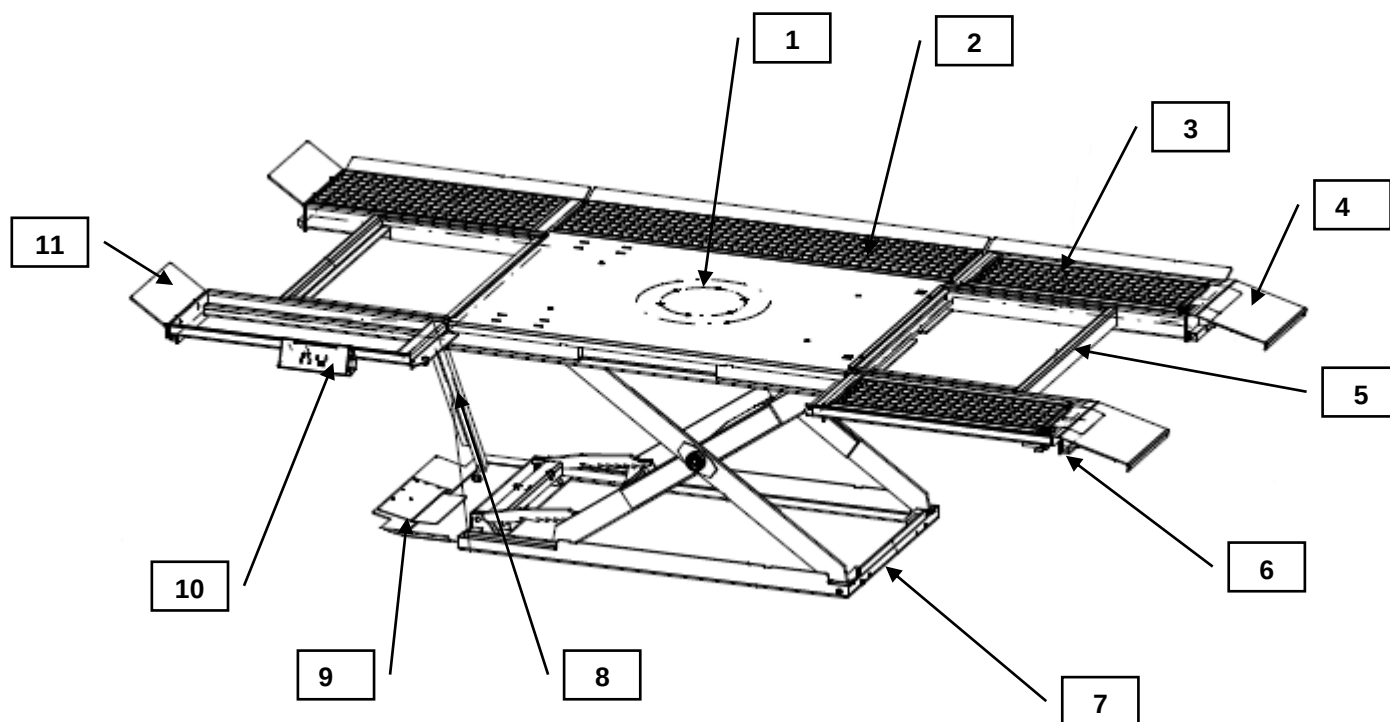
Spare parts platform-main body K1208



No.	Description	Item number	Quantity
1	Upper frame K1208	15353	1
2	Internal scissor K1208	15357	1
3	Set external scissor K1208	15359 and 15361	2
4	Lower frame K1208	15354	1
5	Thrust bearing bolt (at the top) K1200	690-147	2
6	Middle bolt K1208	500-661-1	2
7	Thrust bearing bolt (below) K1200	690-139	2
8	Double air bag K1208	15733	1
9	Sliding piece	695-000	6
10	Safety valve (set up on 3.5 bar)	700-171	1
11	Anti-drop safety device K1200 / K1208-DUO	15362	1
12	Pneumatic cylinder drop safety	710-124	1
13	Anti-drop safety bold	690-140	2

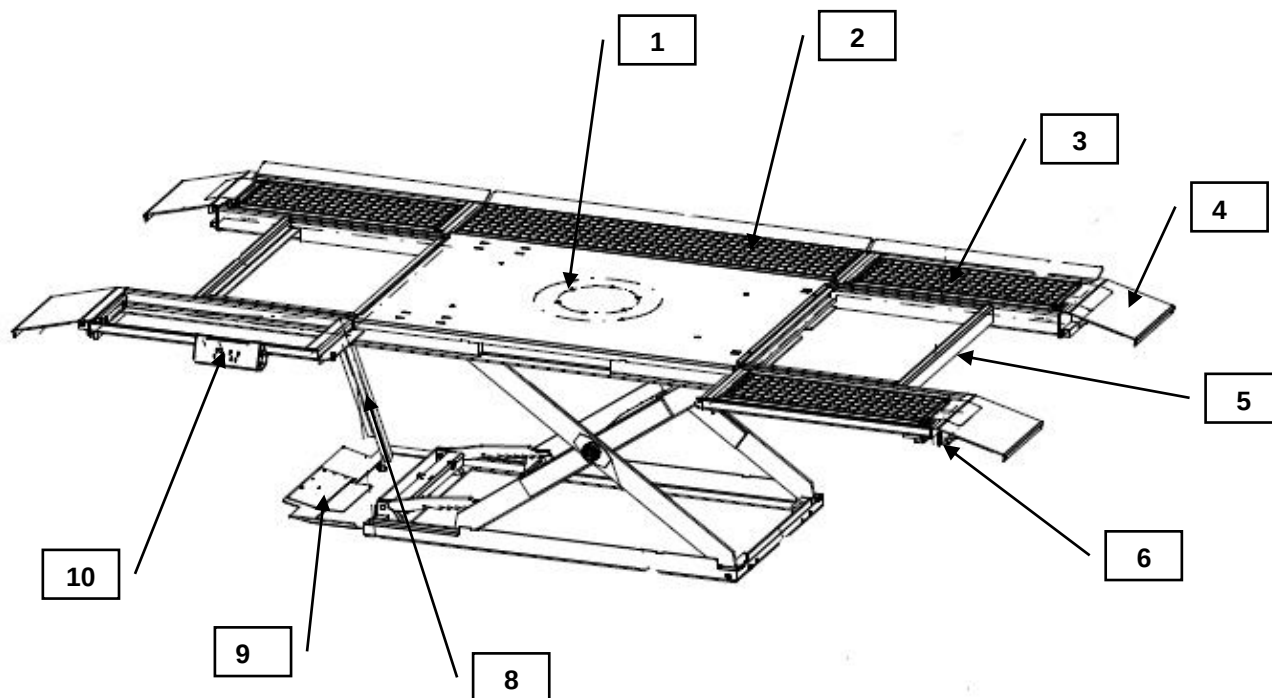
/	Hose package	3000-0003	1
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HLS1200-17 (TA 1208-001-3)



Nr.	Beschreibung	Artikelnummer	Anzahl
1	Platform main-body HLS 1200-18, -17	GK1208-TA-EK	1
2	Grid with frame	820-257/15749	2
3	Grid with roll-off protection	820-539	2
4	Ramp	200-299	2
5	Cantilever	18512	2
6	Connection piece ramp	18398	2
7	Stop bar	15751	1
8	Connecting profile	15926	1
9	Framework for valve with cap	16310	1
10	Box for control valve	15758	1
11	Roll-off protection	18386	2
/	Hose package	3000-0003	1

HLS1200-18 (TA 1208-002-3)



Nr.	Beschreibung	Artikelnummer	Anzahl
1	Platform main-body HLS 1200-18, -17	GK1208-TA-EK	1
2	Grid with frame	820-257/15749	2
3	Grid with roll-off protection	820-539	4
4	Ramp	200-299	4
5	Cantilever	18512	1
6	Connection piece ramp	18398	2
7	Stop bar	15751	1
8	Pipe bar	15926	1
9	Box for control valve	16310	1
10	Roll-off protection	15758	1
/	Hose package	3000-0003	1

Pneumatic-spare parts (TA 1208-008-3)

Quantity	Description	No.	Info	Art.-No.
1	5/3 way valve 1/2"	1		7000-185
1	T 1/2"i, 1/4"i, 1/2"i	2		730-112
1	Hose connector 3/8"a, 17mm	3		730-397
3	Double nipple 1/2"	4		730-221
1	Pneumatic cylinder K Ø 32mm x H 25mm	5	RM/92032/m/25	710-124
1	Angled connection	6	1/4"a-6, swiveling	730-134
1	Safety valve 3,5 bar	7	3,5bar 3/8"a	700-171
1	Airbag complete.	8		
1	Angled connection	9	1/4"i 4/2,7mm	
1	Pressure gauge 1/4"a	10	with clamping bracket	735-116
1	Hose i=6mm, a=13,5mm, length 1500mm	13	enduring until 85°C	720-004
1	Hose i=16 a=28 mm, length 1500mm	14	enduring until 85°C	720-005
1	Cock 2x 3/8"i	15	lockable	760-124
6	Hose clip		8-16/6	720-119
1	PA Hose 6/4mm, length 3000mm		red	
1	5/3 way hand valve 1/8"		up= direction to the lift down= opposite direction	700-219
1	PA Hose 6/4mm, length 3000mm		blue	
1	T 3/8"i			730-072
4	Hose connector 3/8"a, 9mm			730-178
1	Hose 9mm, length 3000mm, flexible		enduring until 85°C	
4	Hose clip		16-25/9	720-121
1	Hose clip 1/2"a, 16mm			730-179
2	Silencer 1/2"			810-139
2	Silencer 1/8"			810-151
1	Angle 90° 3/8"i, 3/8"a			730-486
5	Angled connection		1/8" a 6/4 hose (safety catch)	730-170
1	Connection		3/8"a 6/4 hose	730-255
1	Hose clip 1/2"a, 6mm			730-121
1	Hose clip 3/8"a, 9mm			730-178
1	Angled connection		1/8"a 4/2,7mm swiveling	730-170
1	PA Hose 4/2,7, 2500mm lang			720-103
1	Connection plug 3/8"a, NW7,2			730-273
1	Reducer 1/2"a, 3/8"i			730-157
1	Hose clip 3/8"a, 16mm			730-397
1	Hose connection		6mm tube / 6mm hose	730-138
1	Corrugated hose Ø28/36 black			900-B200