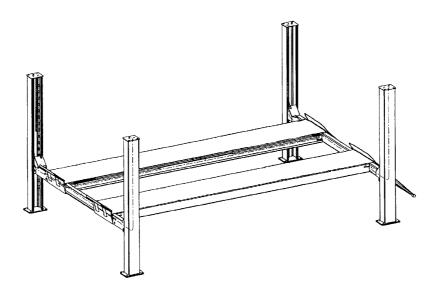
4.40 H

date: April 1998 Version: 4.35H



Instructions and Documentation Serialno:







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Forword

Nußbaum-Lifts are a result of long-standing experiences.

The high quality and the superior concept guaratee them reliability, a long lift time and the economic buisness.

To avoid unnecessary damages and dangers, read the operating instruction attentive and observe the contents.

Another or the described purpose going out use is not valid when not as agreed.

This is valid particularly for climb and go.

Company Nußbaum is not liable for damges arising from this. The user carries the risk alonely.

For the use belonged:

- to observe all the notice in the operating instruction and
- the following of the inspection and maintenance work and the prescribed tests.
- The instruction for use have to be observed by all persons working with the lift. Especially the chapter "Safetey/accident Prevention" has to be observed.
- In addition to the safety remarks of the instructions for use the regulations and instructions being valid at the place of operation have to be considered.

Obligations of the operator:

The operator is obliged to allow only those persons complying to the following requirement to work at the unit

- being well acquainted with the basic regulations concerning labour safety and accident prevention and being trained to operate the unit.
- having read and understood the chapter concerning safety and warning instructions and confirmed that by their signature.

Dangers when operating with the lift:

The Nußbaum-Lifts are designed and built according to technical standard and the approved regulations for technical security. Yet, danger for body and life of the operator may turn up when using the lift inexpertly.

The lift must only be operated:

- for its appropriate use
- in unobjectionable condition concerning technical security.



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Organising requirements

- The instructions for use are constantly to be kept at the place of operation being at hand at any time.
- In addition to the instructions for use rules pertaining to other regulations i.e. accident prevention and environmental rules are to be observed and directed.
- Safety- and dangeralert operation of personal is occasionally and by observing the instructions for use to be controlled.
- As far as required and ordered by regulations personal protective equipment is to be used
- All safety- and danger-hints at the lift are to be observed!
- Spare parts must comply with technical requirements laid down by the manufacturer. This is only warranted with original parts.
- Consider time intervals given or fixed in instructions for use for repeated tests/inspections.

Maintenanceworks, remedy of faults and disposal

- Fixed Adjusting-, maintenance- and inspectionworks and time intervals including details for exchange of parts/part components as mentioned in the instructions for use are to be adhered.
 - These works must only be carried out by expert personal.
- After maintenance- and repair works loose screw connections must always be firmly tightend!



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Send this record, filled out and signed to Nußbaum after the installation!

Otto Nußbaum GmbH & Co.KG

Korker Straße 24

77694 Kehl-Bodersweier

Germany

Record of installation

The automotive lift 4.40 H with the					
serial number.:		was installed on			
at the firm		at			
the saftey mechanism	and operation were ch	ecked.			
The installation was d	lone by the operater / c	competent perso	on (please delete as applicable)		
The safety of the auto	motive lift was checke	ed by the persor	before the initial operation		
The operater attests, the correct initial operation		of the automotiv	ve lift. The competent person attests the		
date	name of the operater		signature of the operater		
date	name of the competer		signature of the competent person		
	-		- ·		



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Record of handing over

	Record	or nanding o	VCI		
The automotive lift 4.40 H with the					
serial number.:		was installed on			
at the firm		at			
the saftey mechanism	and operation were ch	necked.			
The persons below were instructed after the installation of the automotive lift. The instruction was carried out by a technician of the lift-manufacturer or by a competent person. The persons below are fully familiar with the contents of this manual.					
date	name		signature		
date	name		signature		
date	name		signature		
date	name		signature		
date	name		signature		
date	name		signature		
date	name of the competer	nt person	signature of the competent person		

Introduction 1.

The document "Operating Instructions and Documentation" contains important infomation about installation, operation and maintenance of the 4.40 H.

To furnish proof of **installation of the automotive lift** the form "Record of Installation" must be signedand returned to the manufacturer.

To furnish proof of the singular, felt this documentation contains forms. The forms should be used to document the checks. They should not be emoved from this documentation. Every Changes to the construction and displacement of the automotive lift must be registered in the "Master document" of the lift.

Installation and check of the automotive lift

Only specialist staff is allowed to do work concerning safety and to do the safety checks of the lift. They are called experts and competent person in this document.

Experts are persons (for example self-employed engineers, experts) which have received instruction and have experience to check and to test automotive lifts. They know the relevant labour and accidents prevention regulations.

Competent person are persons who have acquired adequate knowledge and experience with automotive lifts. They took part in training from the liftmanufacturer (servicing technicians of the manufacturer or dealer, are Competents)

Information of Warning

To show **danger** and to show important information the three symbols below are used. Pay attention to those passages, which are marked with these symbols



Danger!

This sign indicates danger to life. Inexpert handling of the descriped operationmay be dangerous to life.





This sign cautions against possible damage to the automotive lift or other material defects in case of inexpert handling.

Attention!



This sign indicates for an important function or other important notes.



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≠•	MAGULI	uvcument	OI LIIC	automoti	

Lift designation 4.40 H

Manufacturer Otto Nußbaum GmbH & Co.KG

Korker Straße 24

77694 Kehl-Bodersweier

Germany

Application

The automotive lift 4.40 H is a lifting mechanism for lifting motor vehicles with a laden weight of up to 4000 kg. The max. load distributation is 2:1 in or against drive-on direction. The automotive lift is only designed for servicing vehicles.

The automotive lift is only designed for servicing vehicles.

It's not allowed to install the standard-automotive lift in a hazardous location or washing bays.

m	3
L,	¥

Changes to construction, repairs and transposement of lift must be registered in this master document

Changes to the construction, expert checki	ng, resumption of opertion (date, kind of
change, signature of the expert)	
name, address of the expert	
place, date	signature of the expert
Displacement of automotive-lift-place, expended address and signature of the competent)	rt checking, resumption of opertion (date,
name, address of the competent	
place, date	signature of the competent



CE-certificate/attestation of conformity

Instruction and Documentation

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	J
The automotive lift 4.40 H with the serial	number
is in accordance with the tested lift (CE-ce	ertificate-number 04 206-576/00)
place, date	company stamp, signature

ZERTIFIKAT

CERTIFICATE

Registrier-Nr. | Registered No.: 04 205-576/00

EG-Baumusterprüfbescheinigung gemäß Anhang VI der EG-Richtlinie 98/37/EG EC-type approval according to annex VI of the EC-Directive 98/37/EC

Zeichen des Auftraggebers Reference of applicant Hr. Müller 10.03.2000

30.10.2000

Hiermit wird bestätigt, daß das nachfolgend genannte Produkt den grundlegenden Anforderungen der Richtlinie des Rates vom 22.06.98 zur Angleichung der Rechts- und Verwaltungsvorschriften der Mitgliedstaaten über Masschinen entspricht. We hereby certify that the product mentioned below meets the basic requirements of the council directive dated 22.06.98 on the approximation of the laws, regulations and administrative provisions of the member states relating to machinery.

C ∈ 0044

Antragsteller Applicant:

Otto Nußbaum GmbH & Co. KG Korker Straße 24, D-77694 Kehl

Fertigungsstätte: Manufacturing plant:

Produktbeschreibung: Kfz.-Hebebühne Typ: 4.40 H

Product description: Nennlast:

4000 kg

Zertifizierungsstelle des RWTÜV e.V. für Gerätesicherheit und Medizintechnil notifiziert bei der EG-Kommission unter Nr. 0044

Rheinisch-Westfälischer Technischer Überwachungs-Verein e.V., Sitz: Essen Langemarckstraße 20 Langemarckstraße 20 D-45141 Essen Postfach 10 32 61 D-45032 Essen Telephone +49/201 8 25-0 Telefax +49/201 8 25-33 50

HEBETECHNIK

Instruction and Documentation

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3. Technical information

Technical datas:

Lifting capacity: 4000 kg

Load distribution: max. 2:1 in or against

drive-on direction

Lifting time automotive lift: app. 30 sec Lowering time automotive lift: app. 25 sec height of lifting (automotive lift): 1955 mm

Line voltage: 400 V three phase current

driving voltage: 24 Volt Power rating: 3,0 KW

Motor speed: 2800 revolution/minute

Output oil pump: 3 ccm/revolution Hydraulic pressure: 240 - 250bar

Responsing pressure of the

pressure relief valve: 275 bar
Hold-up oil-tank: app. 10 litre
sound level (measured at operating panel) 75 dBA

Safety devices

1. ratchets

safety device of the load against unintentional lowering in case of leck hydraulic sastem

2. safety switch

If the rope tears the lift switched off.

3. pressure relief valve

Overpring-safety of the hydraulic system

4. CE-STOP

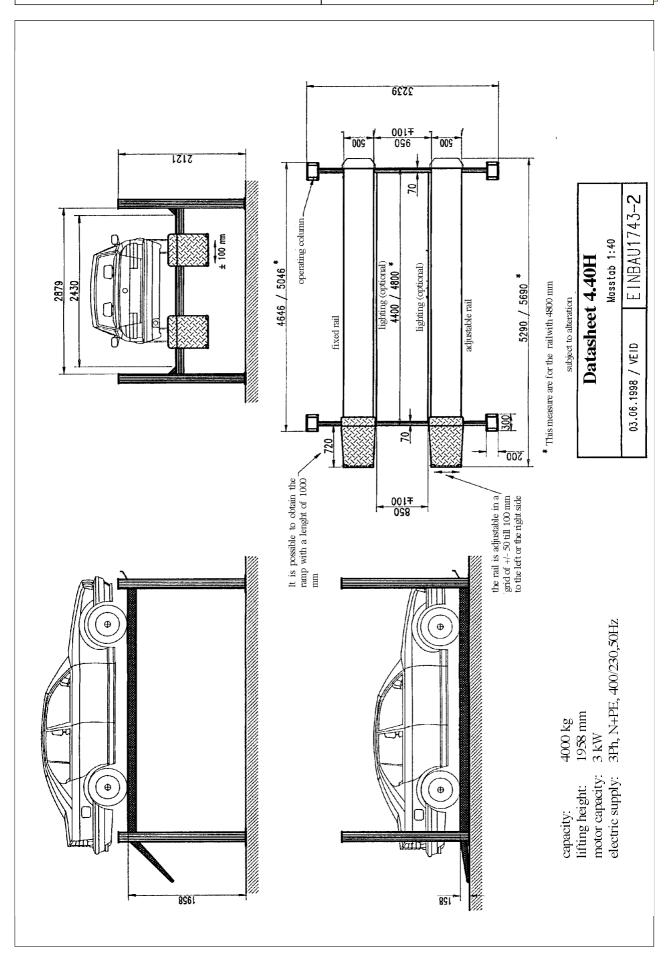
The automotive lift stops automatically 200 mm before the lowest position.

5. Roll-off safety at the runways

Safety device of the vehicle against falling down



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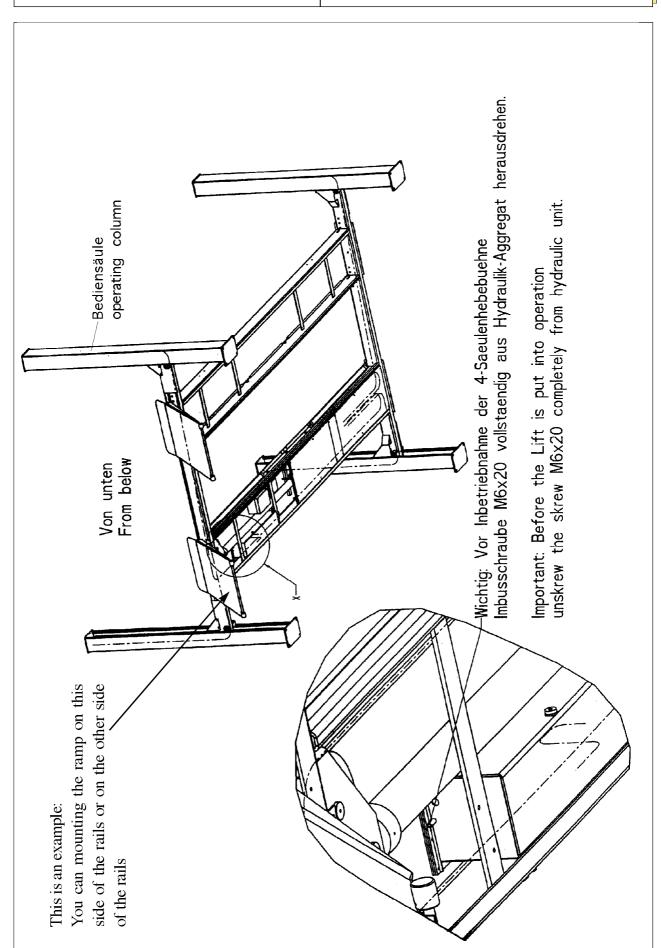


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Foundationplan quality concrete min. B25 160 These measure is for the rail 4400 mm *These measure is for the rail 4800 mm 4646 / * 5046 200 200 300

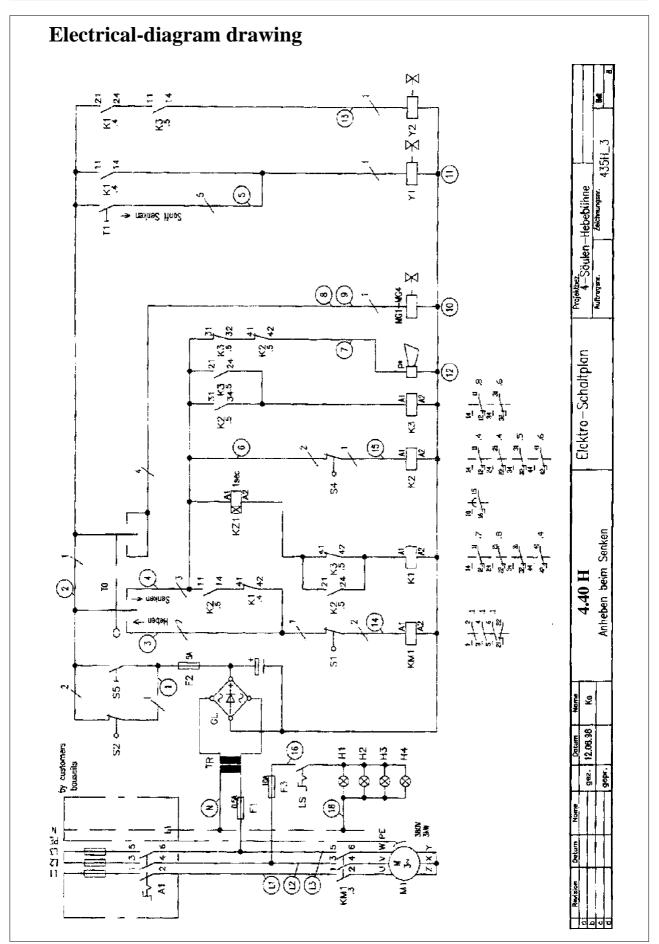


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electrical part list

A1: main switch 3-pole (mounting by customer)

M1: motor 3~, 400 V, 3,0 kW

KM1: up contactor

T0: key switch "lifting"
T0: key switch "lowering"

T1: button "soft lowering in the ratchets" (main lift)

S1: "top limit switch" (main lift)S2: limit switch "the rope is torn"

S4: limit switch "the main lift is 200 mm over the floor"

S5: override switch

K1-K3: relais

P*: loudspeaker

MG1: electromagnetic (ratchet)
 MG2: electromagnetic (ratchet)
 MG3: electromagnetic (ratchet)
 MG4: electromagnetic (ratchet)
 Tr: Transformer 230V/24V

GL: rectifier
F1: fuse 0,5 A
F2: control fuse 5 A

F3: fuse 10 A

Y1: override valve for the soft lowering

Y2: valve(main lift) KZ1: timerelais 1sec.

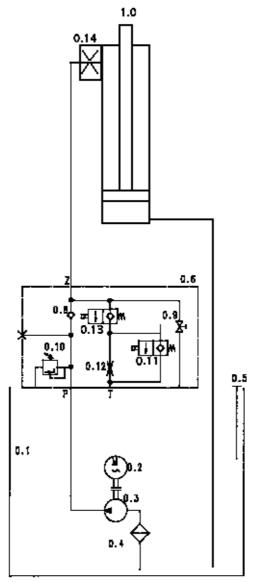
H1-H4: lighting LS: light switch





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Hydraulic diagram drawing



hydraulic parts list

0.1: oil tank

0.2 : motor

0.3 : gear pump

0.4 : oil-fillter

0.5 : oil level gauge

0.6: hydraulic block complet

0.8: holding valve

0.9 : emergency lowering screw

0.10: pressure control valve

0.11: magnetic valve

0.12: screen (soft lowering)

0.13: magnetic valve

1.0: hydraulic cylinder



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4. Safety regulations

Using automotive lifts for working the Regulations of Accident Prevention (VBG1: General Regulations in Germany, VBG14: Automotive lifts) must be observed.

Especially the following regulations are very important

- The laden weight of the lifted vehicle mustn't be more than 3500 kg, the maximum load sharing is 2:1, in drive-on direction or against drive-on direction
- While the automotive lift is working the operating instructions must be followed
- Only trained personnel over the age of 18 years od are to operate this lift
- While the vehicle is lifted or lowered it must be observed from the operator.
- Do not transport passengers on the lift or in the vehicle
- Do not climb onto the lift during lifting or lowering or onto a lifted vehicle
- The Automotive Lift must be checked from an expert after changes in construction do not start with operations at the lift before the main switch is switched off
- Do not install the standard-automotive lift in hazardous location or in washing halls
- Keep key to a safe place during normal operation of the lift. The key must not be in the lock.

5. Operating instructions



The Safety Regulations must be observed during working with the automotive lift. Read the safety regulations in capter 4 carefully before working with the lift!

The operating elements are shown in picture 1.

Lifting the vehicle with the automotive lift

• Drive vehicle on the lift, longitudinal directon and transverse direction in centre



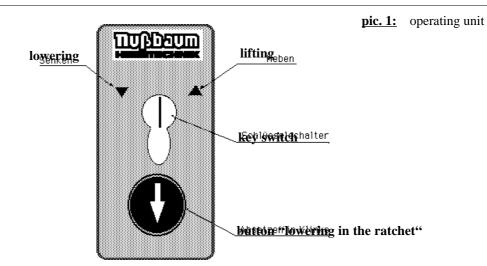
Each wheel must stand completely on the rail otherwise the vehicle might fall down

- Safe the vehicle against rolling away, switch into gear
- Control the dangerous places of the lift and be sure that there are no objects or people in the immediate area of the lift or on the lift
- Turn the key switch on position '\(\dagger'' \)
- Lift the vehicle on the working height. Observe the complete process

Lowering the vehicle with the automotive lift

• Control the dangerous places of the lift and be sure that there are no objects or people in the immediate area of the lift or on the lift.

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- Turn the key switch on position " ".
- The lift raised a little bit before the lowering starts
- Lower the lift on the working height. Observe the complete process.

Comment!

If the main lift is in a height of 200 mm over the floor the electric switched off automatically. In this case turn the key in position "0" and after in position " " again. You hear an accoustic warn signal until the lift is in the lowest position.

• Drive the vehicle from the lift if its in the lowest position.

Lowering into the ratchet strip

- Activate button "lowering in ratchet" (see pic.1).
- Push button as long as all four ratchets are engaged and the lift does not move any more.

Lifting out of the ratchet strip

• Turn the key on position " "until the ratchets are free.

Driving on an obstacle

If the lift is running onto an obstacle during the lowering, it stops automatically. In this case push bypass switch on the operating column and turn the key on position " " simultaneous until the obstacle can be removed.

Troubleshooting 6.

If the lift does not work properly, the reason for this might be quite simple. Please check the lift for the potential reasons mentioned on the following pages. If the cause of trouble cannot be found, please call the technical service.

Instruction and Documentation

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Repairs at the lift's security devices as well as repairs and examinations of the electrical fittings may only be performed by specialists.

Problem: Motor does not start!

Potential causes

• The main switch is not switched on

of trouble:

• Fuse is defective: replace fuse

• Feed line is cut • power failure

• the rope is torn and the limit switch is pressed

(call the technical service)

Problem: The Lift does not lowered, but lifting!

Potential causes • The coil of the magnetic valve is defective

of trouble: • The ratchets are engaged, move up the lift before lowering

Problem: The Lift does not lifting, but lowering!

Potential causes • the top limit switch is pressed

of trouble • the direction of the motor is wrong

Emergency lowering in case of power failure or defective valves

In case of power failure or defective valves the hydraulic valve for lowering of the lift, there is the possibility to lower the lift by opening the hydraulic valve manually, so the car can be driven off.



In case of power failure emergency lowering can only be performed when the ratchets are not engaged (when the ratchets can be pulled back manually). In case of defective valve the lift can be lifted a little bit by turning key to lifting position (to right side) So there is the possibility of pulling back the ratchets manually.



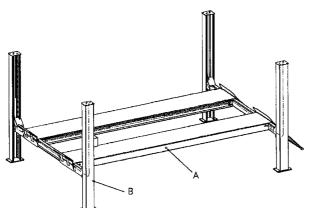
The emergency lowering must only be performed by persons instructed to use the lift. Please refer to the regulation "Lowering".

- Pull back the ratchet manually and lay a suitable support (wedge, cloth) between the ratchet-strip and the ratchet or fix the pulled-back ratchet with the help of a wire. So the ratchet tooth of the ratchet can not engage in ratchet-strip any more. This step should be taken at all of the four columns.
- Loosen emergency lowering screw (set screw) for one turn to start the lowering (the emengency lowering screw is on the side of the rail);



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with a hexagon socket screw key . (see pic.)



pic 2:

the emergency lowering screw on the rail

- **A**. the screw for the emergency lowering
- **B.** operating column

- Fasten emergency lowering screw and safe it with the red coloured security nut when the lift is at lowest position.
 - After finishing the emergency lowering, the emergency lowering screw and the security nut (coloured red) must be brought into the position they have had before. Otherwise a malfunction of the lift can occur.
- Remove support or wire of the ratchets.

To guarantee the safe running of the lift the supports must be removed from the ratchet to bring the ratchet in its normal function.

• Drive the vehicle from the lift.

7. Maintenance

A regular service has to be performed every three months by the lift's operator according to the following schedule. If the lift is in continuous operation or dirty environment, the maintenance rate has to be increased.

During daily operation the lift has to be watched carefully for its correct function. In case of any malfunction or leakage the technical service has to be informed..

Maintenance schedule for the lift

- Clean piston rods of hydraulic cylinder from sand and dirt
- Clean and lubricate running pieces of the lift (hinge bolts, sliding pieces, sliding surfaces) (multipurpose lipid)
- Grease all the lubricating nipples (multipurpose lipid)
- Check ratchets if they engage smoothly and grease striking surfaces.





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- Check level of hydraulic oil.
- Condition of carrying rope: If torn wires can be discovered the complete rope-set must be changed.
- Clean the drip pan for waste oil (under the cylinder).
- Check the white Polymer blocks and replace them if its necessary.
- It's prescribed (VBG 14, § 52-3 German regulation) to exchange the hydraulic tubes if its necessary, but latest after 6 years.
- When cleaning the shopfloor or the lift, do not use aggresive detergents that may damage the paint or cause rust. Regulary retouch damaged paint work so that no rust will develop. Regulary clean lift from dust and dirty.
- If the lift is equipped with Aluminium planking. Check it. If necessary remove the planking and clean the surface of the platform and the planking.

The hydraulic oil has to be changed at least once a year. To change the oil lower the lift into its lowest position. Empty the tank and replace the oil, approximately 10 litres are needed. Ahigh quality hydraulic oil is recommended, its viscosity should be 32 cst (e.g. HLP 32 LTD. OEST).

8. Security check

The security check is necessary to guarantee the safety of the lift during use. It has to be performed in the following cases:

1. Before the initial operation, after the first installation.

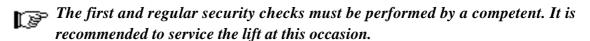
Use the form "First security check".

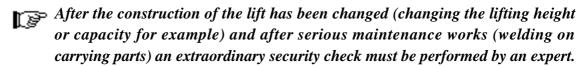
2. In regular intervals after the initial operation, at least annually.

Use the form "Regular security check".

3. Every time the construction of that particular lift has been changed.

Use the form "Extraordinary security check".





This manual contains forms with a schedule for the security checks. Please use the adequate form for the security checks. The form should remain in this manual after they have been filled out.

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9. Installation and Initiation

Installation of the lift

Regulations for the installation

- The installation of the lift is performed by trained technicians of the manufacturer or its distribution partner. If the operator can provide trained mechanics, he can install the lift by himself. The installation has to be done according to this regulation.
- The standard lift must not be installed in hazardous locations or washing areas.
- An **electric supply** 3~/N+ PE, 400 V, 50 Hz and the main switch has to be provided. The supply must be protected by customers (fuses). The electrical connection is located in command column top side.
- All cable ducts have to be equipped with protective coverings to prevent accidents.

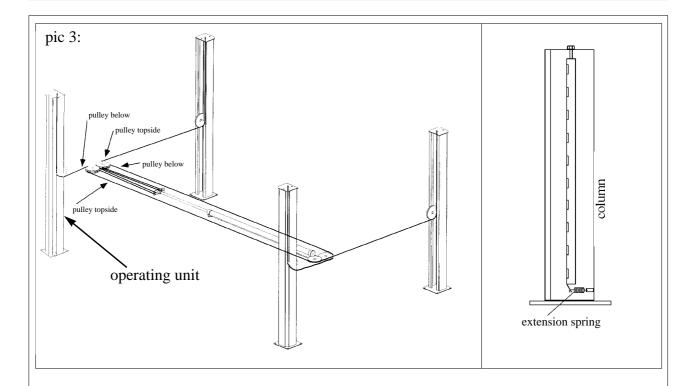
Erection and doweling of the lift

Normally a special foundation for the lift 4.35 H is not necessary. But it is necessary to dowel the columns at 4 points and to safe the lift against slipping. For this a concrete floor without reinforcement, thickness of 160 mm and quality B 25 is needed. In case of doubt a test drill is necessary and a dowel is to put in. Afterwards the Liebig-dowel (German Dowelmanufacturer) is to fasten with a torque of 50 Nm. If the necessary torque is too low or if there are cracks in the concrete floor, a foundation in accordance with the sheet "foundation plan" is to erected. As well it must be paid attention that the installation place is even to guarantee a horizontal erection of the lift.

- Put runways on two erection trestles at installation place, pay attention of exactly difference between the runways (refer to data sheet)
- Position the Traverses on the face of the runways, and put the plugs together.
- Mount the ropes (see **pic. 3**)
- Position columns at ends of traverses
- Line up the operating column (with bubble level) and drill holes for dowel-fixing through four bore-holes of base plates. Clean bore-holes with pressure air. Put in safety dowels with washers in borings.
- Take carrying ropes through columns to upper side and fix them in the head plate.
- Check the position of the lift and the position of the operating columns again.



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- Bore holes to fix the dowels through the borings of the base plates. Clean holes with pressure air. Put in safety dowels with washers in borings. The manufacturer demands LIEBIG safety dowels type B 15 or equal dowels of another manufacturer (with allowance)but observe their regulations! Before doweling check concrete floor with quality B 25 if the concrete floor goes to the top edge of the floor. In this case the dowels have to be chosen according to **picture 10**. If the ground is covered with floor tiles, the dowels have to be chosen according to **picture 11**.
- The Liebig Company is a German dowel manufacturer.
- Tighten the dowels a little bit.
- Connect power supply:

Pull the **electrical cable** (5 x 1,5 cable) from the hydraulic-unit rail via the traverse and through the energy chain to the top of the operating column.

Pull the **control line** (7x1 cable) (see pic. connect the operating unit) as well via traverse through the energy chain to the top of operating column and afterwards from topside through the cable channel to key switch.

- Tighten the screws at traverse again.
- Fill in oil-tank, approximatly 10 litres.



Before operating the lift pay attention to sections "safety regulations" and "operating instruction".

- Lift the lift a little bit with key switch and press the override button (at the side of the rail)
- Remove erection trestles.
- Mount the ratchets in the columns if necessary lower the lift.
- Lower lift down in the ratchets.
- Line up columns with the help of a bubble level.
- Tighten the Liebig-dowels with a dynamometric key (M = 50 Nm)



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Each Liebig-dowel must be tightened with a torque of 50 Nm. Otherwise the normal function of the lift cannnot be guaranteed.

- Mount the ramps and the loading ramp.
- Adjust sliding guidance at traverse (ca. 4-5 mm reciprocating movement between sliding guidance and column)
- Adjust regular height of the rails at all of the four columns by moving the nuts, which fix the carrying ropes in the head plate. For demanded measuring accuracy of all important vehicle manufacturer it is necessary to install the lift very exactly and to line it up. For this to the following points should be paid attention.
- Lift the automotive lift to eye level and set it down in ratchet (refer to operating instructions).
- Position each of the measuring scales on the traverse and check niveau of the two rails (if they have got the same level) with land leveler.
- Adjust the rails with the screw of the ratchet-rod (on the "head-plate" at the top of the column.

Adjustable the rail

The standard measure between the rails are 950 mm. Its possible to adjust the rails +/- 100 mm (see the datasheet).

Lower the lift in the ratchtes until there is no tractive power on the ropes werden.

- Lower the main lift in the ratchet
- Remove the ramp and the roll-off of the rail (only the adjustable rail)
- Remove both cover of the traverse.
- Remove the screws and if necessary position supports under the rail
- Adjust the rail.
- Tighten the screw.
- Mount the cover.
- Mount the ramp and the roll-off saftey
- Raise the lift out of the ratchets.

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Initiation



Before the initiation a security check must be performed. Therefore use form: First security check.

If the lift is installed by a competent, he will perform this security check. If the operator installs the lift by himself, he has to instruct a competent to perform the security check.

The competent confirms the faultless function of the lift in the installation record and the form for the security check and allows the lift to be used.



Please send the filled installation record to the manufacturer after installati -

Changing of the installation place

If the place of installation shall be changed, the new place has to be prepared according to the regulations of the first installation. The changing should be performed in accordance with the following points:

- Position two erection trestles under the rails.
- Lower the lift until the rails are lay on the erection trestles.
- Disconnect electrical current supply from lift.
- Loosen fixing nuts of the carrying ropes on the head plate and removethem.
- Loosen traverse from runways and pull carrying ropes out of traverses.
- Loosen the plugs
- Transport lift to new installation place
- Install lift in accordance with chapter "Installation and Initiation" of the lift.



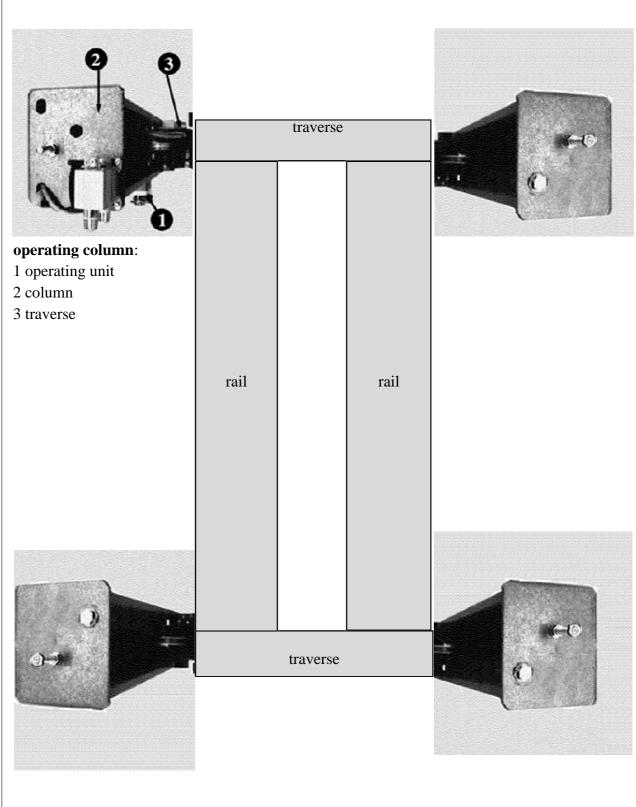
Use new dowels, The used dowels cannot be used any more.



A security check must be performed before reinitiation by a competent. Use form "Regular security check".



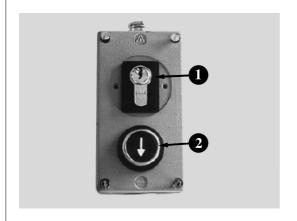
4.40 H





4.40 H

Connect the operating unit



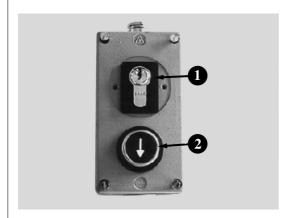
operating unit

- 1 key switch
- 2 press button for the soft lowering in the ratchet.

The control unit is not connected by the delivery.

Open the control unit.

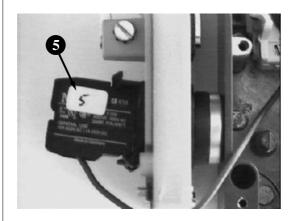
The 7-conductor bunch is comming from the rail. Put the cable into the bolt connection at the top of the control unit.



pic: the control unit is open

Every lead of a cable has a Number on the side. Put the cable in the numberated part and fasten the cable.

The lead Nr. 6 and Nr.7 are out of function.



pic: the control unit is open

Put the cable Nr.5 in the electric unit Nr. 5 and fasten the cable.



4.40 H

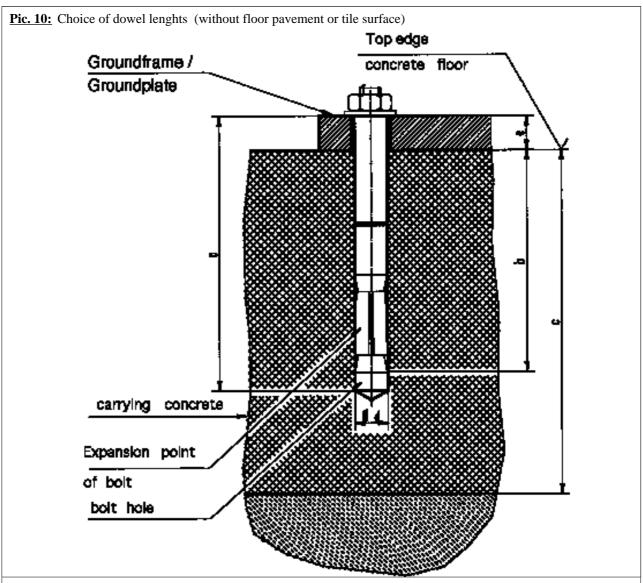


table to picture 10:

Liebig-saftey dowels:

typ of dowel		B15/70	B15/95
drilling depth	a	112	137
min. anchorage depth	b	72	72
thickness of concrete	c	160	160
diameter of bore	d	15	15
thickness of the lift-piece	e	0-40	40-65
Amount of the dowels		16	16
thickness of concrete diameter of bore thickness of the lift-piece	c d	160 15 0-40	160 15 40-65

turning moment of the dowels instruction by the dowel manufacturer

You can use equivalent characteristics dowels another dowel manufacturer (with licensing) but observe their regulation!



4.40 H

<u>pic 11:</u> Choice of dowel length (with floor pavement or tilesurface) Top Edge Groundframe / Groundplate Concrete Floor Wash Floor / Tile Floor Carrying Concrete Expansion Piece of Bolt **Bolt Hole**

table to picture11:					
Liebig-saftey-dowels					
type of dowel		B15/70	B15/95	B15/120	B15/145
drilling depth	a	112	137	162	187
min. anchorage depth	b	72	72	72	72
thickness of concrete	c	160	160	160	160
diameter of bore	d	15	15	15	15
thickness of the lift-piece					
+ thickness of floor pavement	e+f	0-40	40-65	65-90	90-115
Amount of the dowels		16	16	16	16
turning moment of the dowel	.S	instruction by	the dowel man	ufacturer	

You can use equivalent characteristics dowels another dowel manufacturer (with licensing) but observe their regulation!



security check

4.40 H

to fill in and to leave in First security check before installation this document defect verikind of check lacking fication Remark Type plate Short operating instructions..... Warning designation Detailed operating instructions..... Designation Lifting/Lowering Function key switch..... Safety device of hinge bolt Construction (deformation, cracking) Fixed seat of the carrying screws Condition roll-off safety /ramps..... Condition slide-guidance traverse..... Condition carrying rope and hang-up...... Condition pulleys and carrying rope..... Condition coverings..... Condition ratchets..... Condition surface piston rod..... Condition electrical wires Condition hydraulic hoses..... Level of hydraulic oil..... Closeness of hydraulic system..... Function torn rope switch..... Function override switch..... Function test main lift with vehicle Condition of concrete floor (cracks)...... Function accustic warning sign..... Function limit switches..... Function wheel free lift with vehicle...... Condition white polymer supports..... (mark where applicable, in case of verification mark in addition to the first mark!) security check carried out: Name, address of the competent.... Result of the Check: ☐ Initation not permitted, verification necessary ☐ Initation possible, repair failures until ☐ No failings, Initation possible Signature of the expert:..... Signature of the operator:..... If failures must be repaired Failures repaired at: Signature of the operator:..... (Use another form for verification!)



(Use another form for verification!)

security check

4.40 H

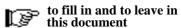
Regular security check to fill in and to leave in this document defect verikind of check lacking fication Remark Type plate Short operating instructions..... Warning designation..... Detailed operating instructions..... Designation Lifting/Lowering Function key switch..... Safety device of hinge bolt Construction (deformation, cracking) Fixed seat of the carrying screws Condition roll-off safety /ramps..... Condition slide-guidance traverse..... Condition carrying rope and hang-up...... Condition pulleys and carrying rope..... Condition coverings..... Condition ratchets..... Condition surface piston rod..... Condition electrical wires..... Condition hydraulic hoses..... Level of hydraulic oil..... Closeness of hydraulic system..... Function torn rope switch..... Function override switch..... Function test main lift with vehicle Condition of concrete floor (cracks)...... Function accustic warning sign..... Function limit switches..... Function wheel free lift with vehicle...... Condition white polymer supports..... (mark where applicable, in case of verification mark in addition to the first mark!) security check carried out: Name, address of the competent..... Result of the Check: Initation not permitted, verification necessary Initation possible, repair failures until No failings, Initation possible Signature of the expert:..... Signature of the operator:..... If failures must be repaired Failures repaired at: Signature of the operator:.....



security check

4.40 H

Extraordinary security check



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kind of check	all right	defect lacking	veri- fication	Remark
Type plate				
Short operating instructions				
Warning designation				
Detailed operating instructions				
Designation Lifting/Lowering				
Function key switch				
Safety device of hinge bolt				
Construction (deformation, cracking)				
Fixed seat of the carrying screws				
Condition roll-off safety /ramps				
Condition slide-guidance traverse				
Condition carrying rope and hang-up				
Condition pulleys and carrying rope				
Condition coverings				
Condition ratchets				
Condition surface piston rod				
Condition electrical wires				
Condition hydraulic hoses				
Level of hydraulic oil				
Closeness of hydraulic system				
Function torn rope switch				
Function override switch				
Function test main lift with vehicle				
Condition of concrete floor (cracks)				
Function accustic warning sign				
Function limit switches				
Function wheel free lift with vehicle				
Condition white polymer supports		11111	43 60	
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No failings, Initation p				
Signature of the expert:		Signa	ture of t	he operator:
If failures must be repaired				
Failures repaired at:(Use another form for verification!)		Signa	ture of t	he operator: