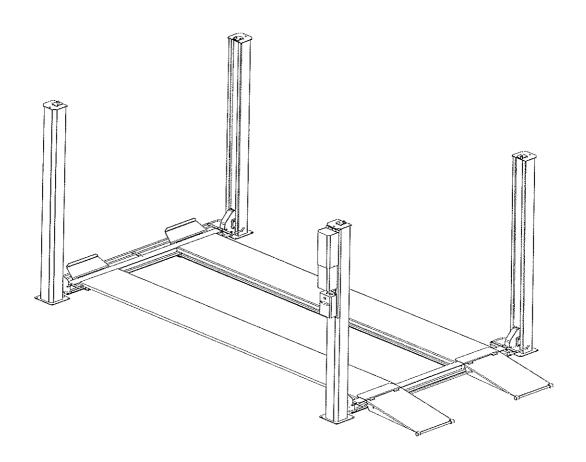
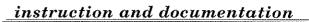


4.30 H valid: January 1995



Operating instruction and documentation





4.30 H

1	able of contents	
	Record of Installation	
	Record of Handing Over	4
1.	Introduction	5
2.	Master Document of the automotive Lift	.6
	CE-certificate/attestation of conformity	7
3.	Technical information	8
	Data sheet	9
	Foundation plan	
	Electrical diagram drawing	
	Electrical parts list	
	Hydraulic diagram drawing	
	Parts list of hydraulic diagram	
4.	Safety regulations	15
5.	Operating instructions	15
6.	Troubleshooting	17
	Emergency lowering in case of power failure or defective valve	
7.	Maintenance	20
8.	Security check	21
9.	Installation and initiation	21
	Installation of the lift	
	Erection and doweling of the lift	21
	Initiation	25
	Changing of installation place	25
\mathbf{A}	ppendix	
	Document "First security check before Installation"	
	Document "Regular security check"	

Document "Extraordinary security check"



Instrucions and Documentation

4.30 H



Send this record, filled in and undersigned, to the automotive manufacturer after the installation

Otto Nußbaum GmbH & Co.KG

Korker Straße 24

777694 Kehl-Bodersweier

Germany

Record of installation

The automotive lift 4.30 H with the						
serial number.:		was installed o	on no			
at the firm		at				
the safety was checke	ed and the lift was starte	et.				
The installation was e	ffected from the operat	ing authority / o	competent (please delete as applicable)			
The safety of the aut	omotive lift was chec	ked from the c	competent before the initial operation			
The operating authority attest the installation of the automotive lift, the competent attest the correct initial operation.						
date	name of the operating	authority	signature of the operating authority			
date	name of the competen	it	signature of the competent			



EURO-LIFT II

Record of handing over

The automotive lift 4.30 H with the						
serial number.:		was installed on				
at the firm		at				
the safety was checked	ed and the lift was starte	et.				
The persons below were introduced after the installation of the automotive lift. The introduction was carried out from an erector of the lift-manufacturer or from a franchised dealer (competent).						
date	name		signature			
date	name		signature			
date	name		signature			
date	name		signature			
date	name		signature			
date	name of the competer	 nt	signature of the competent			

4.30 H

Introduction 1.

The document "Operating Instructions and Documentation" contains important infomation about installation, running and preserving of the 4.30 H.

To furnish proof of installation of the automotive lift the form "Record of Installation" must be sent undersigned to the manufacturer.

To furnish proof of the single, regular and special security checks this documentation contains forms. The forms should be used to document the checks. They should also be left in this documentation.

Every Changes in the construction and changing place 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 the works concerning safety and to hold the safety checks of the lift. They are called experts and competents in this document.

Experts are persons (for example self-employed engineers, TÜV-experts) which have got an instruction and experience to check and to test automotive lifts in an expert's report. They know the signified regulations for protection of labour and prevention of accidents.

Competents are persons which have got enough knowledge and experience with automotive lifts. They took part in a training from the lift-manufacturer (servicing erectors of the manufacturer and the franchised dealer are Competents)

Information of danger

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



Danger!

This sign marks a danger to life. Inexpert handling of the marked series of event ist dangerous to life



Caution!

This sign marks a caution against possible damage of the automotive lift or other material defects in case of inexpert handling.





This sign marks an indication for an important function or for another important note.



4.30 H

7	Magtan	d a array a ra 4	~ C 4	h	4 0 700 0 4 7 7 0	1:44
<i>L</i> ,	waster	document	OI L	ne au	tomotive	$\mathbf{H}\mathbf{H}\mathbf{L}$

Lift designation 4.30 H

Lift-manufacturer Otto Nußbaum GmbH & Co.KG

Korker Straße 24

77694 Kehl-Bodersweier

Germany

valid: October 1994

Application

The automotive lift 4.30 H is a lifting stage for lifting motor vehicles with a laden weight of 3000 kg. The max. load sharing is 3:2 in or against drive-on direction. The automotive lift is equipped for working under the lifted vehicle. The lift is not equipped for entering the drive-on rails. Anyway it is not allowed to carry persons with the lift.

Changes of construction, repairings and changes of place must be registered in this master document

change, signature of the expert)					
name, address of the expert					
place, date	signature of the expert				
Change of automotive-lift-place, expert che and signature of the competent)	cking, resumption of work (date, address				
name, address of the competent					
place, date	signature of the competent				



4.30 H

CE-certificate/attestation of conformity						
The automotive lift 4.30 H with the serial number						
To a lar						
place, date	company stamp, signature					

ZERTIFIKAT

CERTIFICATE

ANLAGENTECHNIK GMBH

Registrier-Nr J Registered No.: 04 205-2961/94

EG-Baumusterprüfbescheinigung gemäß Anhang VI der EG-Richtlinie 89/392/EWG

EC-type approval according to appendix VI of the EC-directive 89/392/EEC

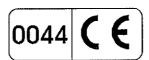
Auttragsdatum Date of application 02.05.94

7.2-490/94

Gültigkeit bir Expky date: 02.09.99

Hiermit wird bestätigt, daß das nachfolgend genannte Produkt den grundlegenden Anforderungen der Richtlinie des Rates vom 14.06.89 zur Angleichung der Rechtsvorschriften der Mitgliedstaaten über Maschinen, sowie der Änderung 91/368/EWG und 93/44/EWG, entspricht, Zusätzlich zur CE-Kennzeichnung muß die Kennnummer der RWTÜV Anlagentechnik GmbH angebracht werden. Dies kann in der nachfolgend abgebildeten Form erfolgen. We hereby certifty that the product mentioned below meets the basic requirements of the council directive dated 14.06.89 on the approximation of the laws of the member states relating to machinery, as well as the amendments 91/368/EEC and 93/44 EEC. Additional to the CE-m--Xing the notification number for PIVTTV Anlagentecht/k GmbH has to be affixed. This can be done in the illustration for the CE-m--Xing the notification number for PIVTTV Anlagentecht/k GmbH has to be affixed. This can be done in the

illustrated form.



Antragsteller Applicant:

Otto Nußbaum & Co. KG Korker Str. 24, 77694 Kehl

Fertigungsstätte:

Manufacturing plant:

Produktbeschreibung: Hebebühne 4.30 H Product description:

Fabrik-Nr. 081379

TÜV CERT - Zertifizierungsstelle der RWTÜV Anlagentechnik im Institut für Produkterprobung und Werkstofftechnik, notifiziert bei der EG-Kommission unter Nr. 0044

RWTÜV Anlagentechnik GmbH Institut für Produkterprobung und Werkstofflechnik Langemarckstr. 20 45141 Essen 761. +201-825-3216 Fax: +201-825-3208

4.30 H

3. Technical information

Technical ratings

Lifting capacity:

 $3000 \, \mathrm{kg}$

Load sharing:

max. 3:2 in or against

drive-on direction

Lifting time:

ca. 32 sec

Lowering time:

ca. 25 sec

Max. height of lifting:

1900 mm

Line voltage:

380 Vthree phase current

driving voltage:

24 V

Power rating:

3.0 KW

Motor speed:

2800 revolution/minute

Output oil pump:

3 ccm/revolution

Hydraulic pressure:

200 bar

Responsing pressure of the

pressure relief valve:

240 bar

Hold-up oil-tank:

ca. 10 litre

sound level (measured at operating panel)

 $\leq 70~\mathrm{dBA}$

Safety devices

1. piston rod

Safety device of the load against falling down of the vehicle in case of torn rope

2 ratchet

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

3. Lockable main switch

Safety device of the vehicle against unauthorized using

4. Safety device against slack rope

Safety device against falling down when vehicle has driven onto an obstacle

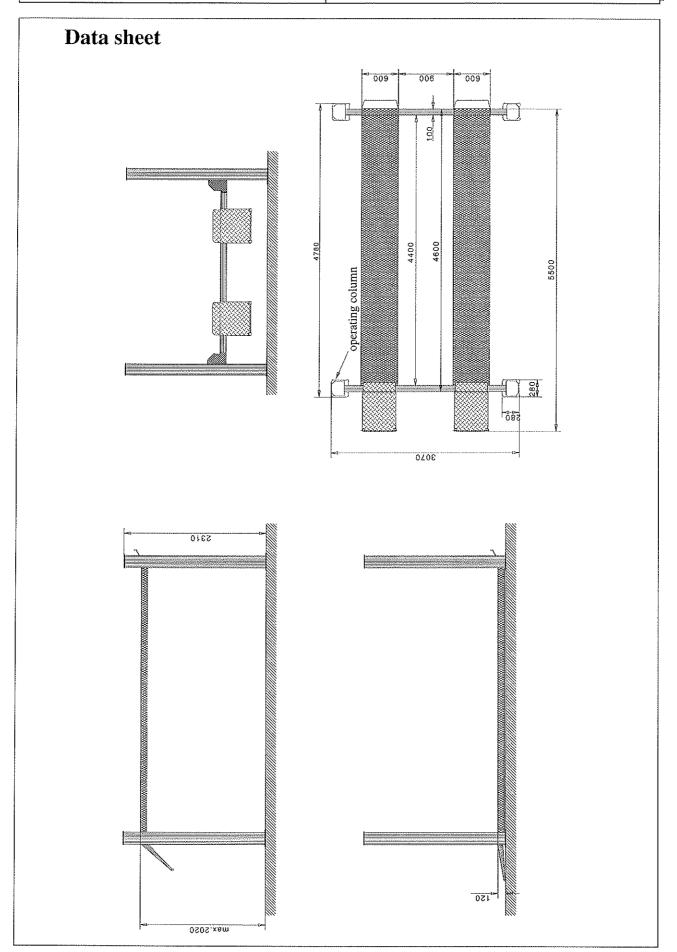
5. pressure relief valve

Overpring-safety of the hydraulic system

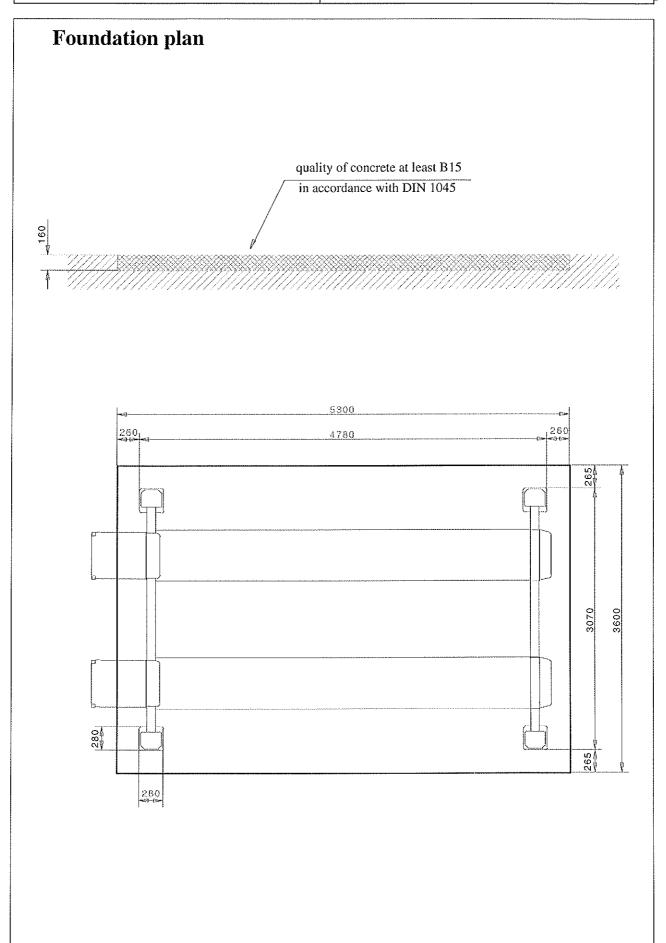
6. Roll-off safety at the rails

Safety device of the vehicle against falling down

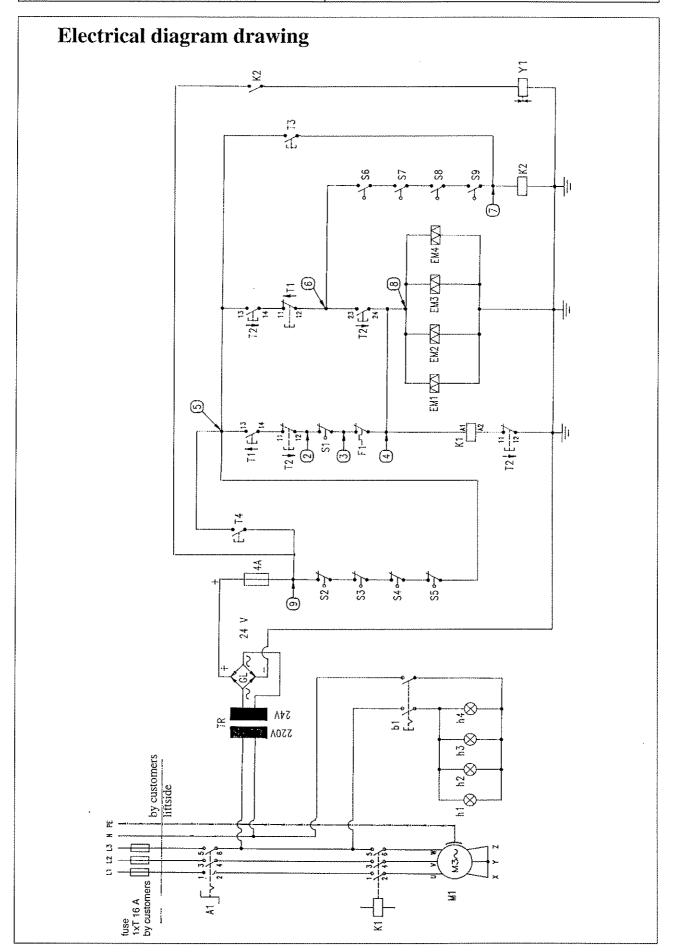














4.30 H

Parts list of electrical diagram

A1: main switch 3-phases

M1: motor 3~, 380 V, 3,0 kW

K1: up contactor motor

T1: button "up"

T2: button "down"

T3: button "Lowering the automotive lift in ratchet"

T4: bypass switch

S1: height limit switch

S2: slack rope switch

S3: slack rope switch

S4: slack rope switch

S5: slack rope switch

S6: announcement "ratchet is unlocked"

S7: announcement "ratchet is unlocked"

S8: announcement "ratchet is unlocked"

S9: announcement "ratchet is unlocked"

TR: transformer 220 V~ / 24 V~

GL: rectifier

b1: light switch

F1: thermofuse in motor

Y1: hydraulic valve (in hydraulic block)

K2: relay of hydraulic valve (in hydraulic block)

h1: lighting

h2: lighting

h3: lighting

h4: lighting

b1: light switch

EM1 electromagnetic (ratchet)

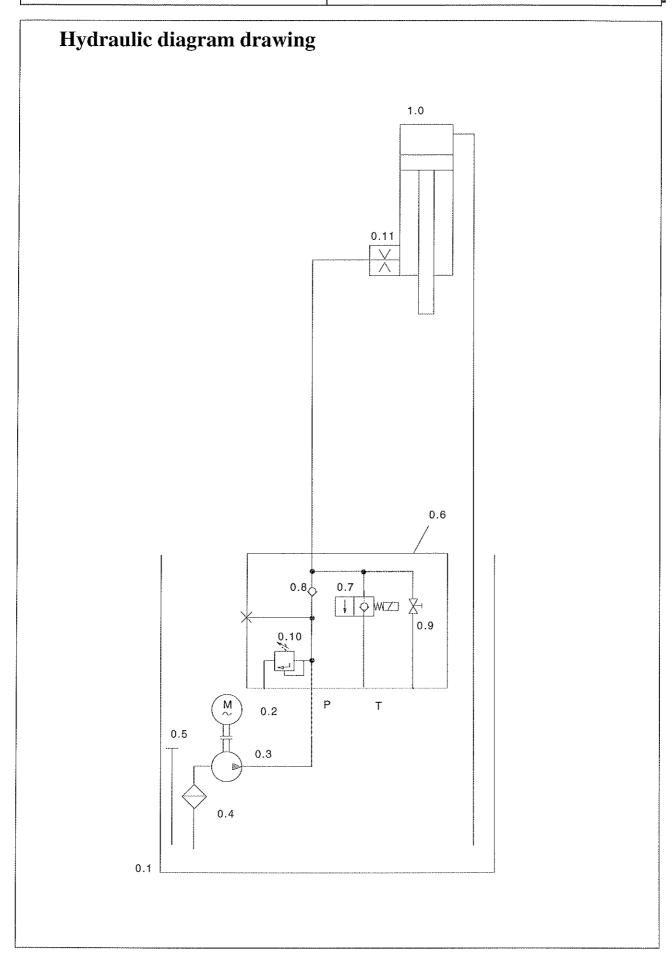
EM2 electromagnetic (ratchet)

EM3 electromagnetic (ratchet)

EM4 electromagnetic (ratchet)

1-9: number of clamped connection







4.30 H

Parts list of hydraulic diagram

0.1: oil-tank

0.2 : motor

0.3: gear pump

0.4 : oil-filter

0.5: oil level gage

0.6: hydraulic block complete

0.7: electrical controlled holding valve

0.8: holding valve

0.9: emergency lowering

0.10: pressure relief valve

0.11: screen

1.0 : hydraulic cylinder

4.30 H

4. Safety regulations

Using automotive lifts for working the Regulations of Accident Prevention (VBG1: General Regulations, 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 3000 kg, the maximum load sharing is 3:2 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
- It's not allowed to stay under the lifted or lowered vehicle (except for the operator)
- It's not allowed to transport passengers on the lift or in the vehicle
- It's not allowed to 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 or after repairing carrying pads
- It's not allowed to start with operations at the lift before the main switch is switched off
- It's not allowed to install the standard-automotive lift in hazardous location
- 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

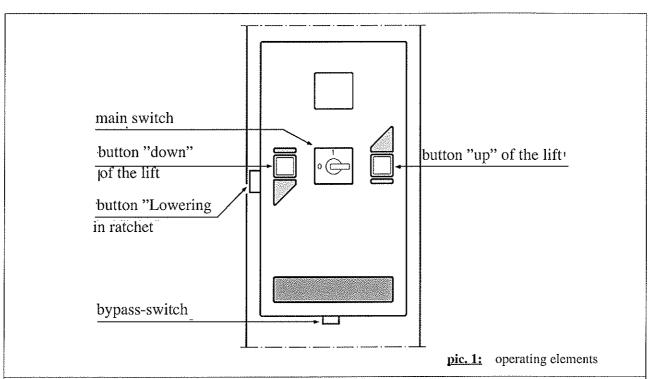


Each wheel must stand completely on the rail otherwise the vehicle might fall down

- 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



4.30 H



- Switch on the control system; main switch on position "1"
- Lift the vehicle on the height for working; push lifting button of the lift

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
- Lower the vehicle at the height for working or until the rails reach the lowest point; push lowering button of the lift

Lowering in ratchet-strip

- Push button "lowering in ratchet"
- Push button "lowering in ratchet" until all of the four ratchets are engaged and the lift does not lower any more.



For lowering the drive-on rails from described position with engaged ratchets, lift the lift with button "up" a little bit. Afterwardes the lift can be lowered to lowest position. In case the lift can not be lowered with only pushing button "up", it can be started with short activating of bypass switch.



Use bypass switch only for lifting of the lift out of ratchet. Do not use bypass switch for normal operation of the lift because very important safety devices are no longer in force.



4.30 H

6. Troubleshooting

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.



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, lift is neither lifting nor lowering!

Potential causes

• Main switch is not engaged

of trouble:

• Fuse is defective: replace fuse

• Feed line is cut

• power failure (see below)

• lift has driven on an obstackle (see below)

• torn rope (call service)

• slack carrying ropes (see page 18)

Problem: Lift is not lifting!

Potential causes

• Level of hydraulic oil is too low

of trouble:

vehicle is too heavy

• hydraulic line is blocked up or dirty

• pistons jam

• emergency lowering screw is not closed

Problem: Lift is not lifting but lowering!

Potential causes

• Motor is overheated: let it cool down for app. 10 min

of trouble:

Height limit switch is activated

Problem: Lift is not lowering but lifting!

Potential causes

• defective magnetic valve in hydraulic block (see below)

of trouble:

• Ratchets are engaged: move the lift up before lowering.

Problem: Lift can not be lifted after lowered in ratchet!

Potential causes

• carrying ropes are slack (see page 18)

of trouble:



4.30 H

Lift can not be lifted after it is set down in ratchet or in lowest position



Before starting with the following failure correcting action look about torn ropes. If a rope is torn the main switch must be switched off and be locked. The lift must be shut down until the defective rope is replaced.

In case the lift can not be lifted after set down in ratchet or in lowest position, the key switch at lower side of the operating case must be activated (see pic. 1). Simultaneously button "up" must be pushed until the lift has started.



While activating the key switch, only button "up" must be pushed. If button "down" is pushed the vehicle might fall down.



The key switch must only be activated to correct a malfunction. It must not be activated for normal operation of the lift.



After finishing with failure correcting action the key must be removed and be kept at a safe place.

Afterwards the lift can be lowered or lifted as described in this manual.

Driving on an obstacle

If the lift is running onto an obstacle, it stops selfinstructed. The lift can neither be lifted nor lowered. In this case push bypass switch at lower side of operating box (see pic. 1) and simultaneously button "up", until the lift is at a position where the obstacle can be removed.



After activating the bypass switch push only button "up". If button "down" is pushed the vehicle might fall down.

Afterwards the lift can be lowered or lifted as described in this manual.

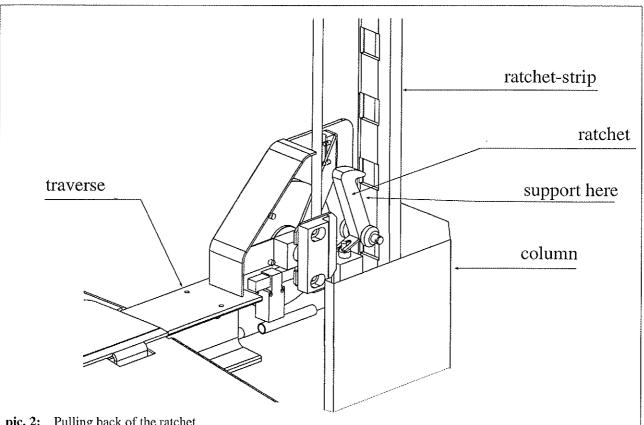
Emergency lowering in case of power failure or defective valve

In case of power failure or defective electromagnet, the hydraulic valve of the lift can not be opened any more. Therefore the lift cannot be lowered. In this case there is the possibility to open the hydraulic valve manually and to lower the lift to lowest position. So the vehicle can be driven off from the lift.

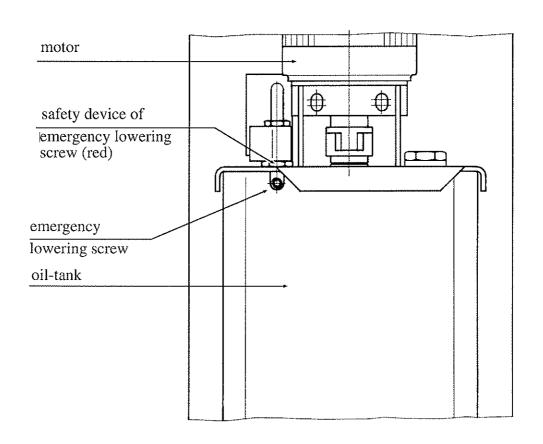


In case of power failure emergency lowering can only be performed when the ratchets are not engaged (when the ratchets can be pulled back manually). In case of defective valve the lift can be lifted a little bit by pushing button "up". So there is the possibility of pulling back the ratchets manually.





pic. 2: Pulling back of the ratchet



pic. 3: Position of emergency lowering screw

TUPDOUM

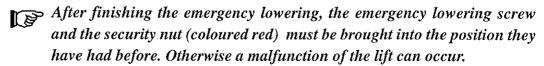
instruction and documentation

4.30 H

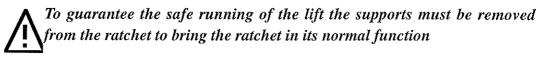


The emergency lowering must only be performed by persons instructed to use the lift. Please refer to the regulation "Lowering".

- pull back ratchet manually and lay a suitable support (wedge, cloth) between ratchet-strip and 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 (see pic. 2). This step should be taken at all of the four columns.
- Remove motor covering by opening the screws.
- Loosen red security nut with a hexagon socket screw (see pic. 3)
- Loosen emergency lowering screw (set screw) one turn to start emergency lowering
- Fasten emergency lowering screw and safe it with the red coloured security nut when the lift is at lowest position.



Loosen ratchets (remove support or wire) that they can be engage again.



• Drive down vehicle from the lift.

7. Maintenance

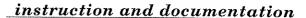
A regular service has to be performed every three months by the lift's operator according to the following schedule. If the lift is in continuous operation or dirty environment, the maintenance rate has to be increased.

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)
- grease lubricating nipples
- Check ratchets if they engage smoothly and grease striking surfaces.
- · Check level of hydraulic oil
- Condition of carrying rope: If torn wires can be discovered the complete rope-set must be changed.

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. A high quality hydraulic oil is recommended, its viscosity should be 36 cst.





4.30 H

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".

- The first and regular security checks must be performed by a competent. It is recommended to service the lift at this occasion.
- After the construction of the lift has been changed (changing the lifting height or capacity for example) and after serious maintenance works (welding on carrying parts) an extraordinary security check must be performed by an expert.

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.

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, 380 V, 50 Hz has to be provided The supply must be protected by customers (fuses). The electrical connection is located in command unit.
- 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 4.30 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 15 is needed. In case of doubt a test drill is necessary and a dowel is to put in. Afterwards the dowel is to fasten with a

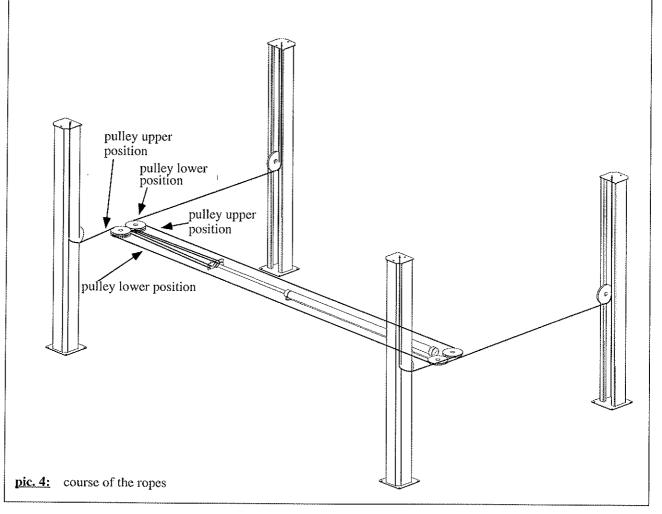
HEBETECHNIK

instruction and documentation

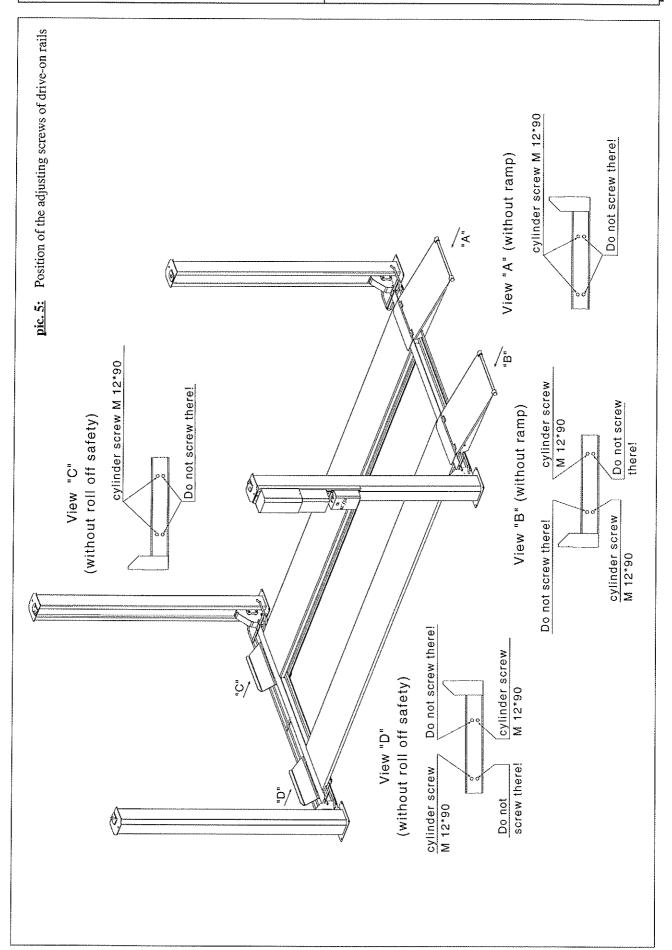
4.30 H

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 drive-on rails on two erection trestles at installation place, pay attention of exactly difference between the drive-on rails (refer to data sheet)
- Position traverses on the face of the drive-on rails
- Mount ropes (see pic. 4)
- Fix traverse at rails, pay attention, that the screws are positioned in accordance with pic. 5
- Position columns at ends of traverses
- Line up 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.
- Insert stopping rod from upper side through the head plate
- Check position of the lift and position of the operating columns







4.30 H

- 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 manufacterer demands LIEBIG safety dowels type B 15 or equal dowels of another manufacturer. Before doweling check concrete floor with quality B 15 if the concrete floor goes to the top edge of the floor. In this case the dowels have to be chosen according to picture 6. If the ground is covered with floor tiles, the dowels have to be chosen according to picture 7.
- Tighten the dowels a little bit.



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

- Connect power supply.
- Connect hydraulic hoses at operating column



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

- · Fasten screws at traverse
- Fill in oil-tank, approximatly 10 litres.
- Activate bypass switch and button "up" for lifting of the drive-on rails
- Remove erection trestles and set lift down in ratchets
- Line up columns with the help of a bubble level
- Tighten dowels with a dynamometric key (M = 50 Nm)
- Mount switch off strips
- Mount drive-on ramps, loading ramp and foot protector
- 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 (4.30H) very exactly and to line it up. For this to the following points should be paid attention:
- Lift automotive lift to eye level and set it down in ratchet (refer to operating instructions)
- Position each of the measuring scales on traverse and check niveau of the two rails (if they have got the same level) with land leveler.
- Line up drive-on rails by moving of fixing screws of ratchet strips on head plates exactly



The drive-on rails must exactly have the same level in all of the four directions (right side/left side, frontside/ backside) when they are set down in ratchets. Only in this case a correct axial measurement can be guaranteed.

• Lift the automotive lift out of the ratchets, set it down a second time in ratchet and



4.30 H

check equal niveau of the rails a second time.

- Posistion measuring scales on wheel floor surfaces at frontside on turning plates and at backside in the middle of the push plates.
- Check rail niveau with land leveler if they have got the same level and line up driveon rails exactly by moving of the fixing screws of the ratchet strips at top of the head plate

The turning plates and the push plates must have the same overall height (50mm)

- Lift the automotive lift out of the ratchets, set it down a second time in ratchet and check equal niveau of the rails a second time.
- Lower lift to lowest position and place measuring scales on traverse outside.
- Check equal level of the rails with land leveler and with a "folding rule"
- Line up drive-on rails at bottom by adjusting of the adjusting screws at traverse
- Lift automotive lift, lower it again and check evenness of the rail-floor niveau a second time.
- Lift and lower the lift with vehicle several times, tighten dowels a second time (M = 50 Nm).

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.

 $\begin{tabular}{ll} \textbf{Please send the filled installation record to the manufacturer after installation.} \end{tabular}$

Changing of the installation place

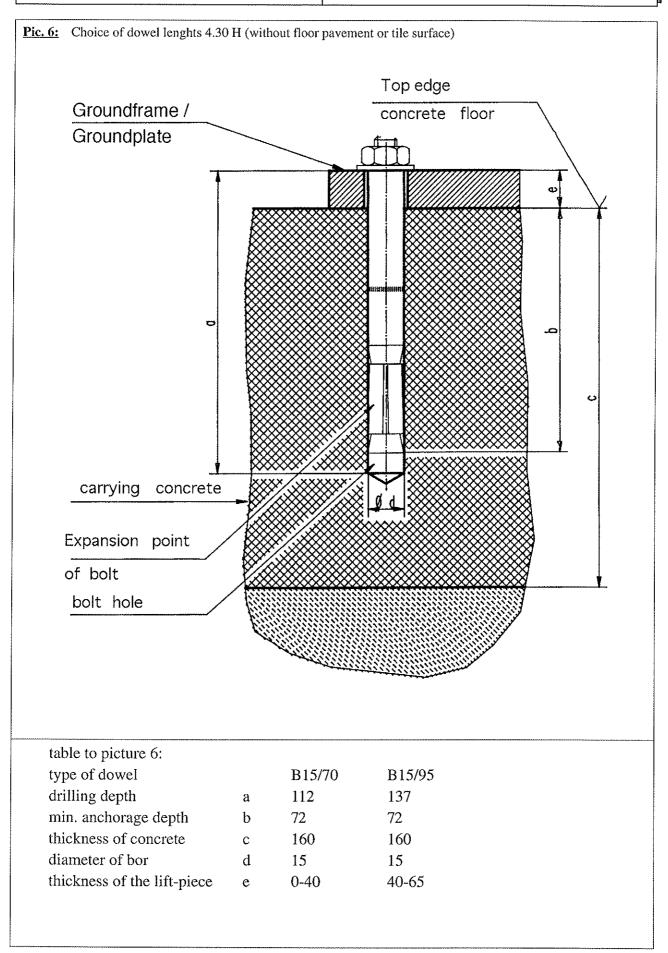
If the place of installation shall be changed, the new place has to be prepared according to the regulations of the first installation. The changing should be performed in accordance with the following points:

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

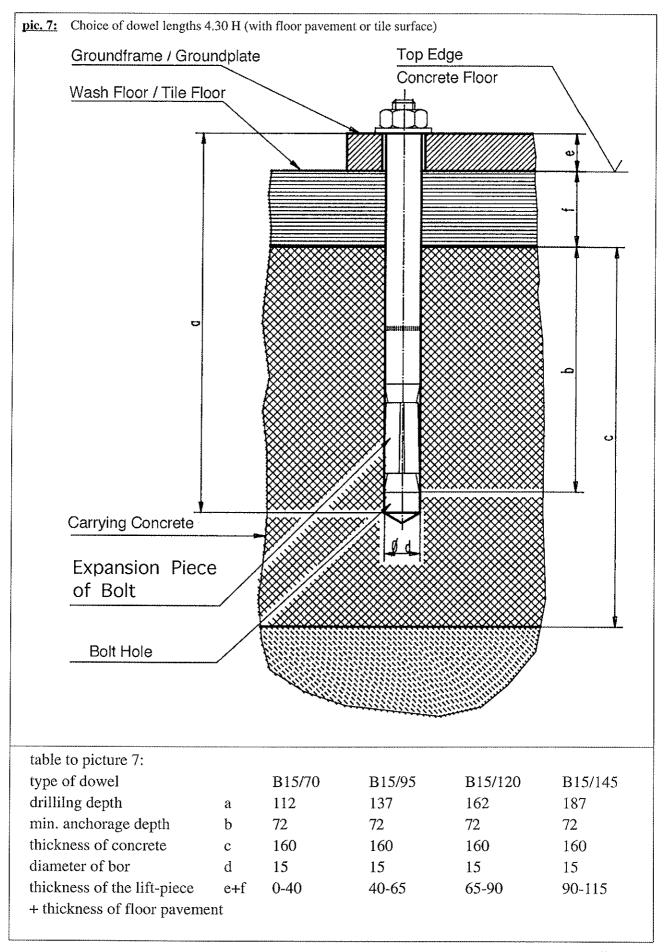


	4.5U H
	dowels cannot be used any more.
/1\	
A security check must be perfor	med before reinitiation by a competent. Use
form "Regular security check".	











security check

4.30 H

First security check before installation to fill in and to leave in this document defect verikind of check fication right lacking Remark Type plate Short operating instructions..... Warning designation Detailed operating instructions Designation Lifting/Lowering Main switch lockable..... Safety device of hinge bolt Construction (deformation, cracking) Fixed seat of the carrying screws Condition roll-off safety Condition foot protector Condition slide-guidance traverse..... Condition carrying rope and hang-up Condition pulleys and carrying rope...... Condition coverings..... Condition stopp, rod and stopp, element Condition surface piston rod..... Condition electrical wires Condition earth conductor..... Condition hydraulic hoses..... Level of hydraulic oil..... Closeness of hydraulic system..... [Function slack rope switch..... Function test automotive lift with vehicle.. Condition of concrete floor (cracks)...... Function limit switches..... (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!)



security check

Regular security check to fill in and this docume				to fill in and to leave in this document		
kind of check	all right	defect lacking	veri- fication	Remark		
Type plate	ark in ac		o the firs	at mark!)		
security check carried out: Name, address of the competent						
Signature of the expert:		Signat	ure of t	he operator:		
If failures must be repaired		 .	_			
Failures repaired at:	Signature of the operator:					



security check

Extraordinary security check				to fill in and to leave in this document		
kind of check	all right	defect lacking	veri- fication	Remark		
Type plate						
Short operating instructions				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Warning designation						
Detailed operating instructions						
Designation Lifting/Lowering				41,4		
Main switch lockable						
Safety device of hinge bolt						
Construction (deformation, cracking)						
Fixed seat of the carrying screws						
Condition roll-off safety						
Condition foot protector						
Condition slide-guidance traverse						
Condition carrying rope and hang-up						
Condition pulleys and carrying rope						
Condition coverings						
Condition stopp. rod and stopp. element						
Condition surface piston rod				***************************************		
Condition electrical wires				***************************************		
Condition earth conductor			[]			
		[
Condition hydraulic hoses	[
Level of hydraulic oil						
Closeness of hydraulic system		L	i			
Function slack rope switch						
Function test automotive lift with vehicle						
Condition of concrete floor (cracks)						
Function limit switches						
(mark where applicable, in case of verification m	ark in a	ddition t	o the firs	t mark!)		
security check carried out:		•••••				
Name, address of the competent						
Result of the Check:						
- -						
☐ Initation not permitted, verification necessary						
☐ Initation possible, repa	ir failu	res until		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
☐ No failings, Initation 1	possible	;				
Signature of the expert: Signature of the operator: Signature of the operat						
If failures must be repaired						
Failures repaired at:	he operator:					