



Scissor Lift

(with Pedal Depressor CBD600)

CSL 843/844

Operating Instructions
I323383 Issue 1



Contents

Foreword 4

Record of installation 6

Record of Handover 7

1. General Information 8

1.1 Installation and service checks of the automotive lift 8

1.2 Warning Symbols 8

2. Master document of the automotive lift 9

2.1 Lift–manufacturer..... 9

2.2 Application 9

2.3 Changes to the Lift Construction 9

2.4 Re positioning of the automotive lift 9

2.5 Conformity Documents 10

3. Technical Information 14

3.1 Technical ratings 14

3.2 Safety devices 14

3.3 Data sheet - CSL640/641 15

3.4 Floor Plan - CSL640/641 15

3.5 Electrical Circuit Diagrams 17

3.6 Hydraulic Diagram 29

3.7 CBD600 Brake Pedal Depressor..... 31

4. Safety regulations 33

4.1 General safety-regulations 33

4.2 Additional safety-regulations 33

5. Operating Instructions 34

5.1 Lifting the vehicle 34

5.2 Lowering the vehicle 35

5.3 Manual equalization of the lift platforms..... 35

6. Troubleshooting 37

6.1 Lowering onto an obstacle 38

6.2 Emergency lowering 38

7. Inspection and Maintenance 39

7.1 Maintenance schedule for the lift 39

7.2 Maintenance schedule for the play detector 41

7.3 How often must the lift be cleaned? 42

8. Security check 43

9. Installation and Initiation 43

9.1 Installation of the lift 43

9.2 Regulations for the installation 43

9.3 Erection and doweling (Masonry bolting) the lift 44

9.4 Initiation 45

9.5 Changing of the place of installation 45

First security check before installation 48

Regular security check and Maintenance 49

AFTER SALES SERVICE 58

Forward

Continental Automotive Trading UK Ltd (Continental) -products are a result of long-standing experience.

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

To avoid unnecessary damages and dangers to personnel and equipment, read these operating instructions and follow the instructions.

Do not use the product for any other purpose other than described otherwise the guarantee will become invalid.

Continental is not liable for damage or injury arising from misuse. The user carries the risk himself.

Notes for the user:

- Observe and comply with all the instructions in the this manual
- Please follow the inspection and maintenance procedure as well as the prescribed tests
- The instruction for use should be observed by all persons working with the lift.
- The chapter "Safety Regulations" should be especially observed.
- In addition to the safety remarks included in the instructions for use, the local valid regulations and instructions at the location of operation should also be observed.

Obligations of the operator:

The operator is obliged to allow only those persons complying to the following requirements to work with 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 Continental-Lifts are designed and built according to technical standards and the approved regulations for technical security. Yet, danger for body and life of the operator may occur when using the lift carelessly.

The lift must only be operated:

- For its appropriate intended use
- In an unobjectionable condition concerning technical security.

Organisation 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.
- All personnel should be safety and danger alert by occasionally reading and by observing the instructions for use which should be recorded. As far as required and ordered by regulations personal protective equipment and clothes are to be worn.
- All safety- and danger-warnings on or near 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.

Consideration should be given to the time intervals or fixed in instructions for periodic tests/inspections.

Maintenance works, remedy of faults and disposal

- Fixed Adjusting-, maintenance- and inspection works and time intervals including Details for exchange of parts/part components as mentioned in the instructions for use are to be adhered to :

This work should only be carried out by trained personal.

- After maintenance and repair works, all screw connections should be checked and tightened where required.

Guarantee and liability

Our "General conditions of sales and delivery" are valid for this product.

There will be no guarantee or liability for injuries of persons or anything else if these injuries are caused by one or by some of the following reasons.

- Inappropriate use of the lift
- Inappropriate installation, initiation, operation and maintenance of the lift. Use of the lift while one or several security devices do not work or do not work correctly or are not installed correctly.
- Not to follow the regulations of the operating instruction concerning transport, storing, installation, initiation, operation and maintenance of the lift.
- Changes to the construction of the lift without written authority from the manufacturer.
- Changes of important/components adjustments of the lift (e.g. driving elements, power rating, motor speed, etc)
- Wrong or incorrect maintenance.
- Catastrophes, acts of God or external reasons.



After completion of this sheet (including signatures), copy and return the original to the manufacturer. A copy must remain in the manual.

36 Gravelly Industrial Park
Birmingham
B24 8TA

Record of installation

The automotive lift CSL843/844 with the

Serial number:..... was installed on:.....

at the firm:..... at:.....

The initial safety check was carried out and the lift was started.

The installation was carried out by the operating authority/competent (please delete as applicable).

The initial safety check was carried out by a competent person before the initial operation.

The operating authority confirms the correct installation of the automotive lift, the competent person confirms the correct initial operation.

Used Dowels(*):.....(Type/Name)

Minimum anchorage depth (*) kept:mm ok

Starting torque (*) kept:NM ok

.....
date name of the operating authority signature of the operating authority

.....
Date name of the competent person signature of the competent person

Your customer service:.....(stamp)

(* see supplement of the dowel manufacturers

Record of Handover

The automotive lift CSL843/844

with the Serial number:..... was installed on:.....

at the firm:..... in:.....

The initial safety check was carried out and the lift was started.

The persons below were introduced after the installation of the automotive lift. The introduction was carried out by either the installer from the lift-manufacturer or from a franchised dealer (competent person).

.....
Date Name Signature

.....
Date Name Signature

.....
Date Name Signature

.....
Date Name Signature

.....
Date Name Signature

.....
Date Name Signature

.....
Date Name Signature

Your customer service:.....(stamp)

1. General Information

The document "Operating Instructions and Documentation" contains important information about installation, operation and maintenance of the automotive lift.

- Conformation of installation of the automotive lift is recorded on the "Record of Installation" form and must be signed and returned to the manufacturer.
- Conformation of first off, regular and out of the ordinary service checks is recorded in the respective check forms. The forms are used to document the checks. They should not be removed from the manual.

All Changes to the structure and any change of location of the automotive lift must be registered in the "Master document" of the lift

1.1 Installation and Service checks of the automotive lift

Only specialised staff are allowed to repair and maintain the lift and only these specialised staff are allowed to conduct safety checks on the lift. For the purposes of this document these specialised staff will be called Experts and/or Competent persons.

Experts are persons (for example self-employed engineers, experts) who have received instructions and have the appropriate experience to check and to test the automotive lifts. They are aware of the work involved and know the accident prevention regulations.

Competent persons are persons who have acquired adequate knowledge and experience with automotive lifts. They have completed the appropriate training provided by the lift-manufacturer (the servicing technicians of the manufacturer or dealer, are regarded as competent)

1.2 Warning Symbols

The three symbols below are used to indicate danger and other important information. Pay attention to areas on and around the lift that are marked with these symbols.



Danger! This sign indicates danger. Ignoring this warning may result in injury or even death.



Caution! This sign cautions against possible damage to the automotive lift or other material objects in the case of improper use .



Attention! This sign indicates an important function or other important information regarding the operation of the lift.

2. Master document of the automotive lift

2.1 Lift–manufacturer

Continental Automotive Trading UK Ltd.
36 Gravelly Industrial Park
Birmingham
B24 8TA

2.2 Application

The automotive lift CSL843/844 is a lifting mechanism for lifting motor vehicles with a laden weight of 4000 kg. The maximum load distribution is 2:1 in or against drive on direction. The automotive lift has an additional function for axial measurement, tyre and brake service. The automotive lift can be installed above or below the floor surface. It is not permitted to install the standard lift in hazardous locations or in wash bays. The lift is not equipped to be installed ramped surfaces or for carrying people. Before operating the lift pay Attention to the detailed operating instructions and maintenance instructions.

The lift is equipped with a play detector which is able to detect play in the axles and on single wheel suspensions. The detection is possible up to a load of 1400 kg per wheel.

The Automotive Lift is only designed for servicing vehicles.

It is not designed to carry people

It is not designed to be installed in a hazardous location e.g. a washing bay..

After changes to the construction, operational parts or place of installation an Expert must check the lift and confirm its correctness and security.

2.3 Changes to the Lift Construction

Changes to the construction, expert checking, resumption of work (date, type of change, signature of the expert)

.....

.Name, address of the expert

.....

Location,

.....

Date

.....

Signature of the expert

2.4 Re positioning of the automotive lift

Re positioning of the automotive lift, expert checking, resumption of work (date, kind of change, signature of the competent)

.....

Name, address of the competent

.....

Location,

.....

Date

.....

Signature of the competent person

2.5 Conformity Documents



Interior

CRYPTON

VDO

18th November 2016

CE Declaration of Conformity

Declaration of Conformity according to Machinery Directive 2006/42/EG
ANNEXE II 1A

Hereby we declare that the lift models: CSL843 and CSL844 fulfil all the
relevant provisions of the following Directives:

Machinery Directive: 2006/42/EG
EMC Directive: 2004/108/EG

And was manufactured in conformity with the harmonized norms:

Vehicle lifts: EN1493:2010

Authorised to complete the Technical file: Dr Martin Huck

Serial Number

Peter Houlden

A handwritten signature in blue ink, appearing to read "Peter Houlden".

Head of Legal Requirements & Homologation



Interior

CRYPTON

VDO

18th November 2016

Crypton Play Detector Conformity

We confirm that the Crypton axle play detectors CPD600 are suitable to be used fitted to the Crypton scissor lifts CSL843 and CSL844.

The maintenance/inspection period is 12 calendar months.

We also confirm that the above mentioned lifts have been manufactured in accordance with the DVSA MOT lift specification requirements.

CPD 600 Serial Number

Peter Houlden

A handwritten signature in blue ink, appearing to be "PH", written over a light blue grid background.

Head of Legal Requirements & Homologation



Interior

CRYPTON

VDO

18th November 2016

MOT Testing Guide Conformity

We confirm that the Crypton CSL843 and 844 automotive lifts comply with the safety standards referred to in the MOT testing guide, Section C2 (Underside Inspection) subsection 1 relating to BS7980:2003

Peter Houlden

A handwritten signature in blue ink, consisting of several overlapping loops and a long horizontal stroke at the end.

Head of Legal Requirements & Homologation



GARAGE EQUIPMENT ASSOCIATION LIMITED

2/3 Church Walk, Daventry, Northamptonshire NN11 4BL UK
tel: +44 (0) 1327 312616 fax: +44 (0) 1327 312606
email: info@gea.co.uk website: www.gea.co.uk

**CERTIFICATE OF ACCEPTANCE
BRAKE PEDAL APPLICATION DEVICE (PAD)**

PAD Make and Model:

Crypton CBD600

Suitable to test Classes IV, VL and VII

Must only be used when part of an Automated Test Lane (ATL)

This is to certify that the above Brake Pedal Application Device meets the requirements of the VOSA 2005 PAD Specifications. It is therefore acceptable for applying pressure to the brake pedal when using an Automated Test Lane (ATL).

17 November 2006

Chief Executive

Date

For and on behalf of the Garage Equipment Association (GEA), administrators of the VOSA equipment approval scheme

For Manufacturers/Importers use

I certify that the test equipment of the above make and model is installed in VTS No:
and is suitable for MOT testing.

VTS Details:

Name

Address

Postcode

Supplier's Details:

Name C. J. HUNT

Position DIRECTOR

Signature

Company CRYPTON TES 1526



WE SUPPORT **Ben**



Registered in London No. 2891852

3. Technical Information

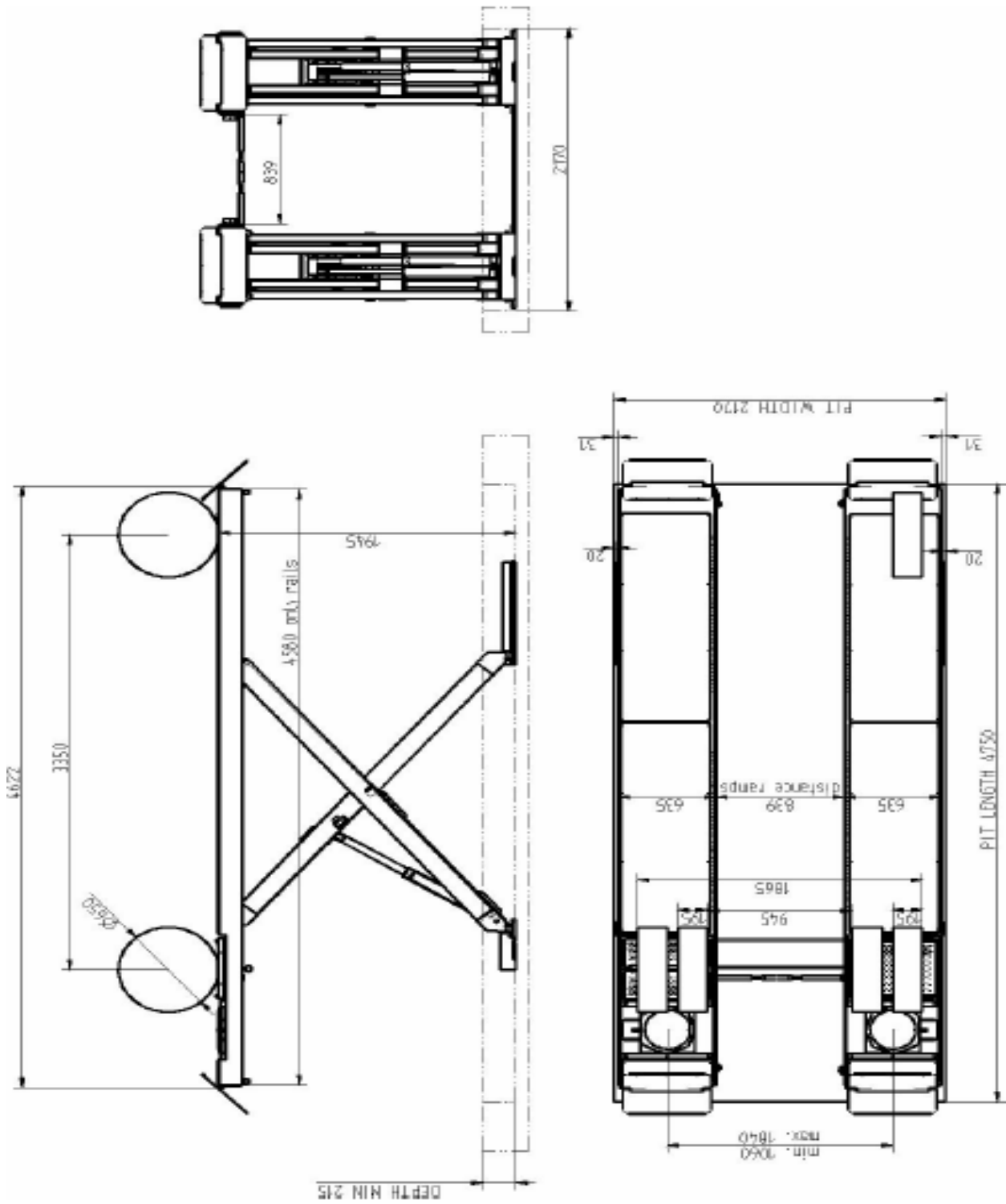
3.1 Technical ratings

- Lifting capacity 4000 kg
- Load distribution max. 2:1 in or against the drive on direction
- Lifting time approx. 30 sec with load
- Lowering time approx. 30 sec with load
- Lifting capacity play detector maximum 1400 kg per wheel
- Line voltage 3 x 400 Volt , 50Hz
- Power rating 3.0 kW
- Motor speed 3000 rev./min
- Pump capacity 2.7 ccm
- Hydraulic pressure approx. ca 270 bar
- Pressure control valve approx. 300 bar
- Oil tank per Hydraulic unit approx. 14 Litre
- Sound level □ 75 dB(A)

3.2 Safety devices

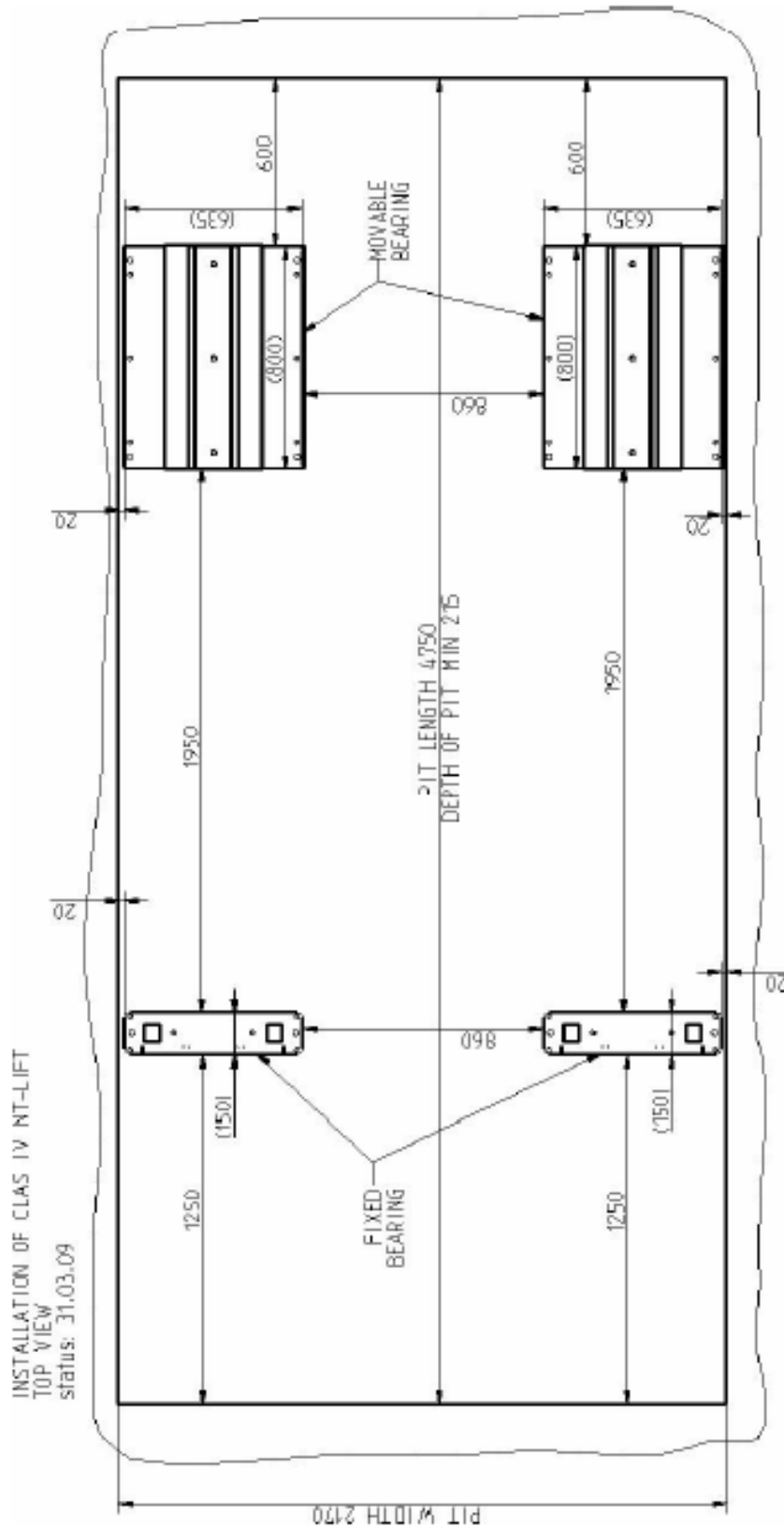
1. Pressure relief valve
Pressure relief-safety for the hydraulic system. Liding Valve
2. Holding valve
Safety device against unintentional lowering
3. Lockable main switch.
Safety device against unauthorized use.
4. Feet protection
Safety device against bruises in the feet area.
5. Two independent cylinders
Each side master and slave cylinders – Safety device against unintentional lowering
6. CE Stop

3.3 Data sheet – CSL843/844



3.4 Floor Plan – CSL843/84

Shown for reference only



3.5 Electrical Circuit Diagrams (Connection Diagrams)

The earth connections should comply with local regulations
Make sure that all connections and contacts are secure and in place
Check that all wiring and electrical components are in place before commissioning
Do not allow commissioning at a site not suitable for the equipment.

1. Connection diagrams and electrical components

All diagrams have been drawn by us to the best of our knowledge. We take no responsibility for diagrams other than these to be used with the equipment. This is especially the case of diagrams drawn up by second parties.

2. Checking the diagrams

The diagrams do not always refer to serial components. Some of these components such as switches, thermostats and motors might not be shown. Even with careful testing, we cannot rule out problems occurring with the systems. We cannot take any responsibility for misuse of the guidelines on installation of the equipment. Any request for changes to the diagrams in order to enable the equipment to function better will be at the request of a surplus charge. Improvements by third parties cannot be accepted.

Equipment: CSL 843/844

3. Safety checks and means of protection

All connections have been made under the code VDEO 100/0113 and the accident prevention code V8641 for electrical equipment.

The following tests have been completed:

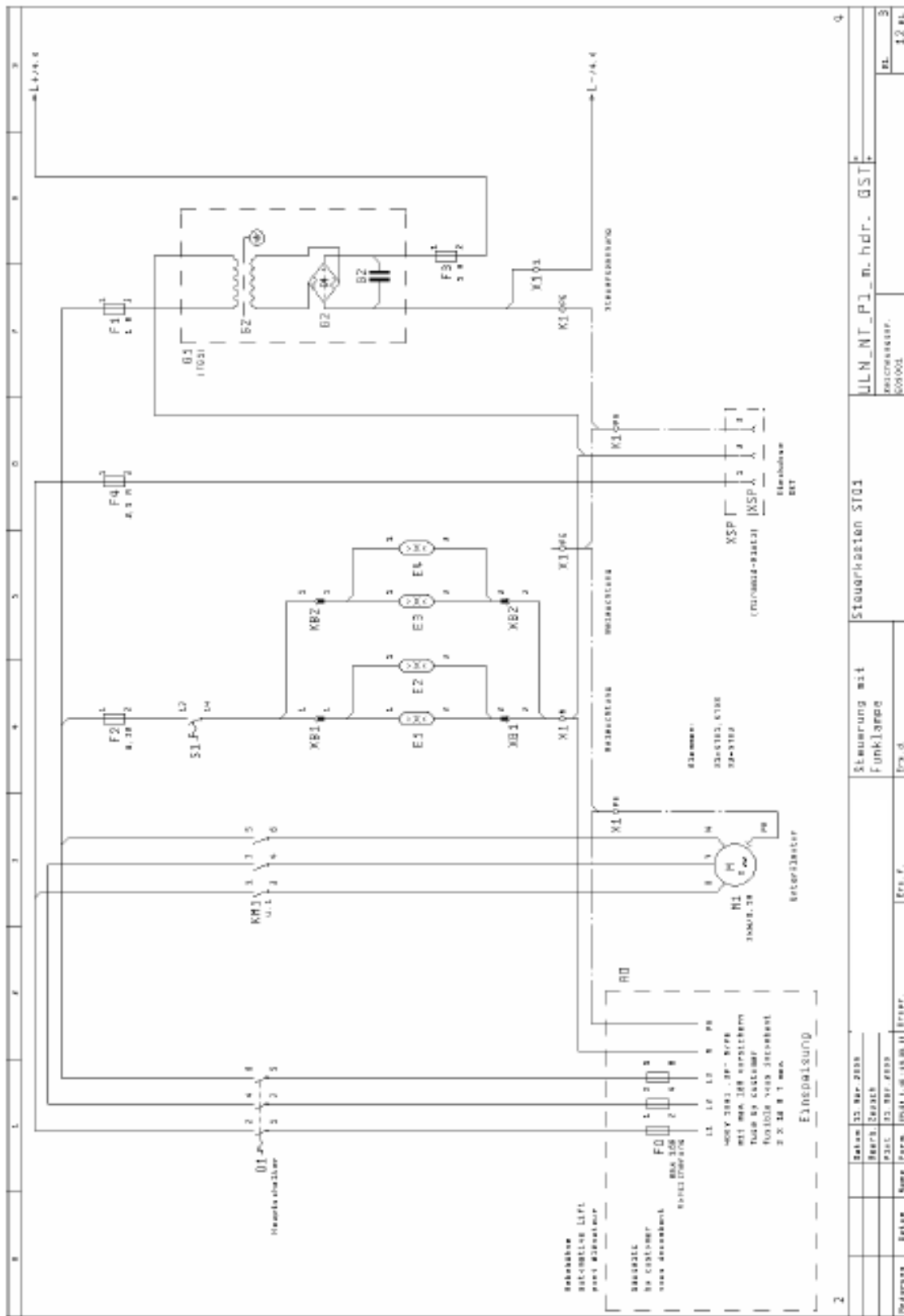
1. Isolation check on the switchboard and control boards according to VDEO/5 73
2. Checking the functions of the applied safety features by indirect touching of components according to the code VDEO100g/7/75 par 22.
3. Functions and component checks according to code VDE560/11 87

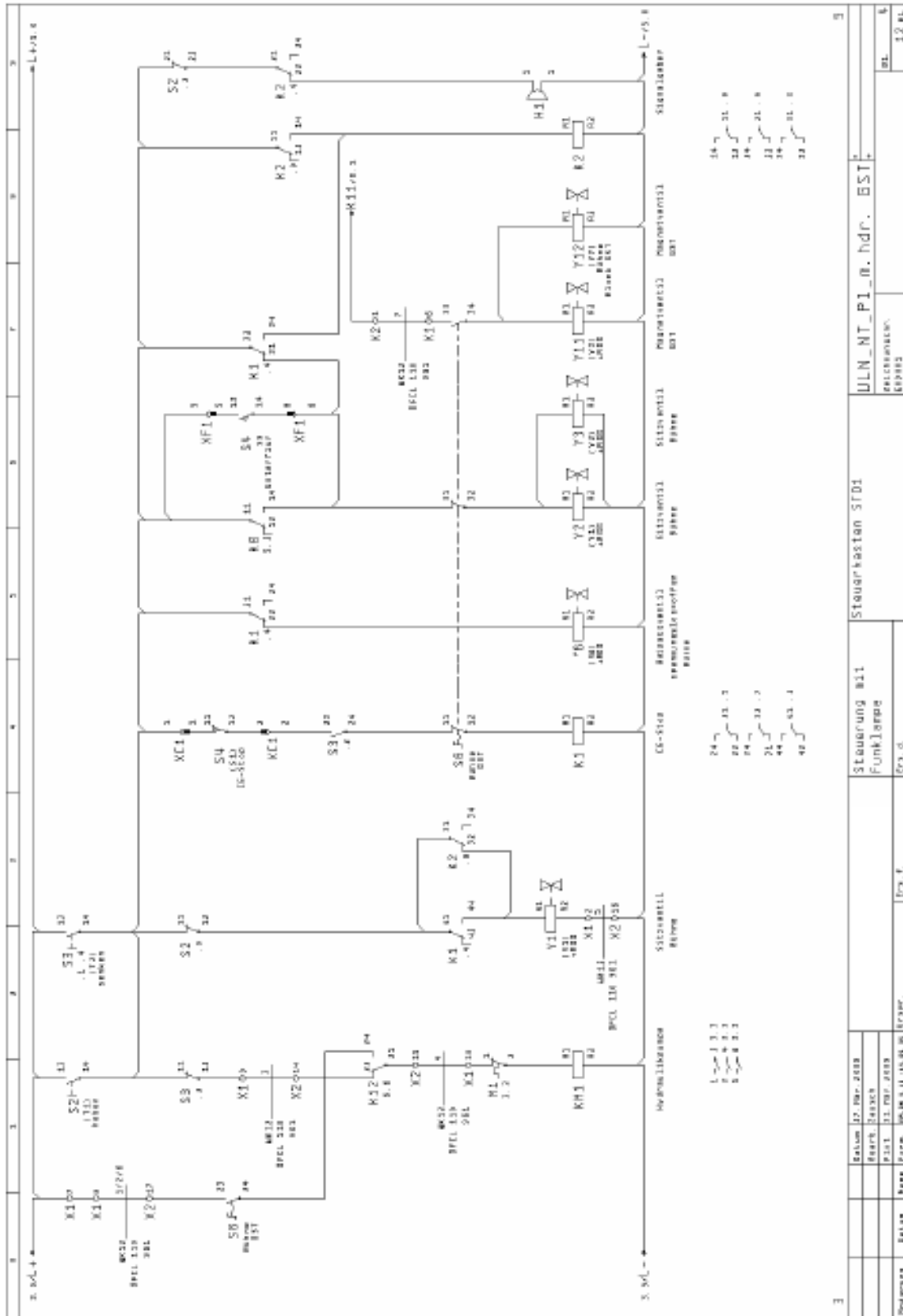
Other safety codes have been adhered to:

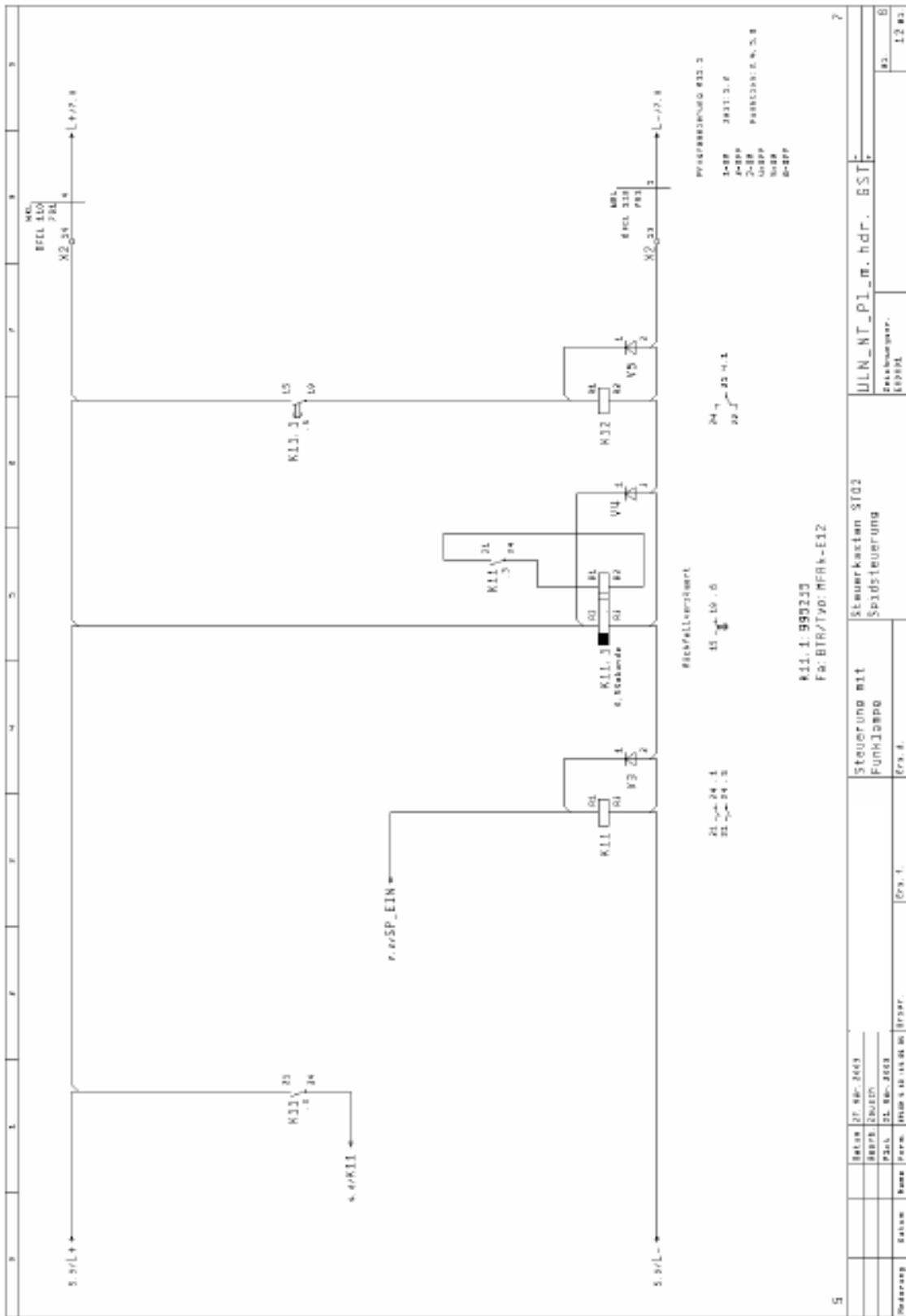
1. Protection against direct contact code VDEO100/5. 73. Par 4
2. Protection against indirect contact code VDE=100/5. 73. Par 5

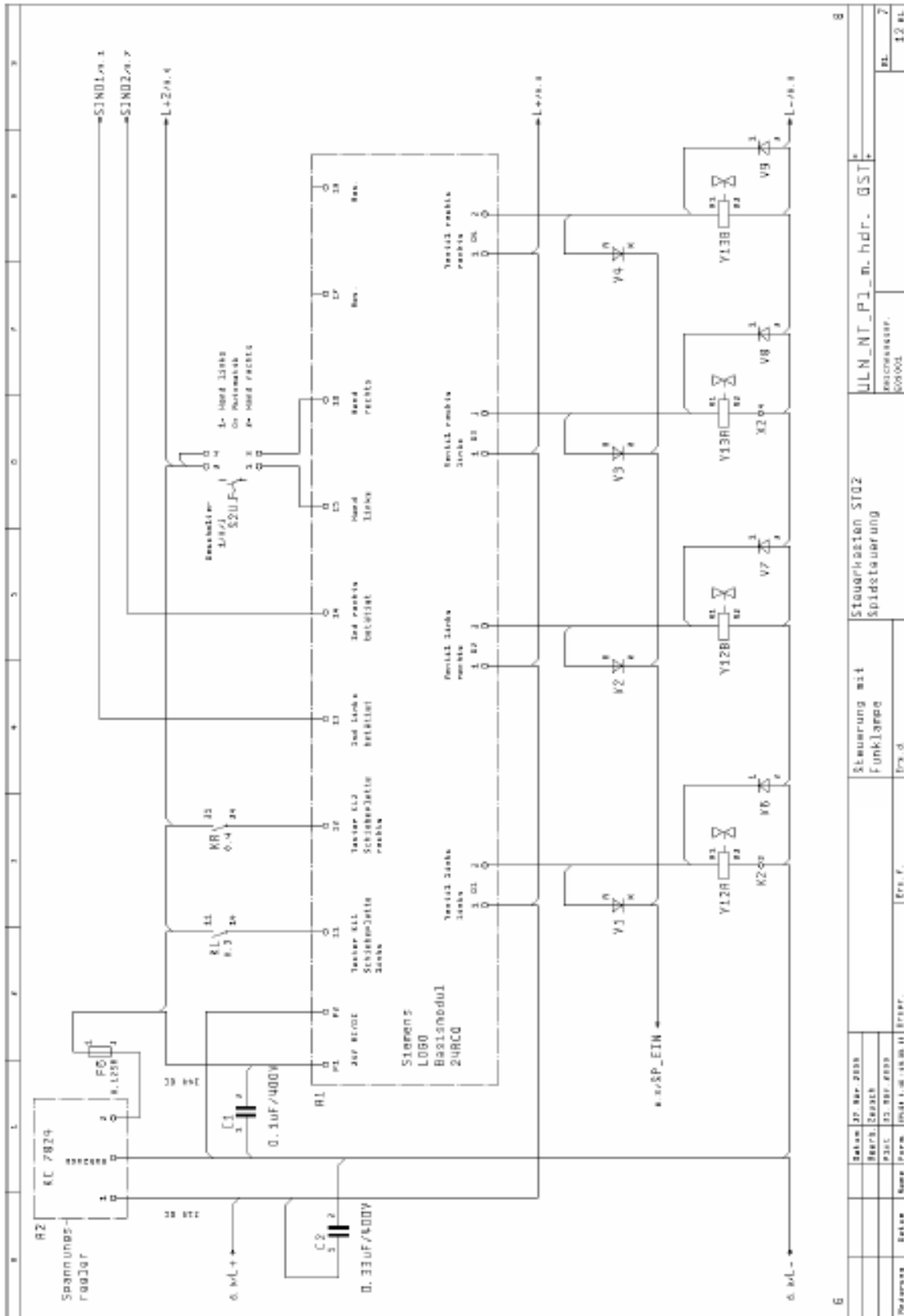
These connection diagrams are the property of the manufacturers. They should not be used for any other purpose or given to a third party without the authority of the manufacturers

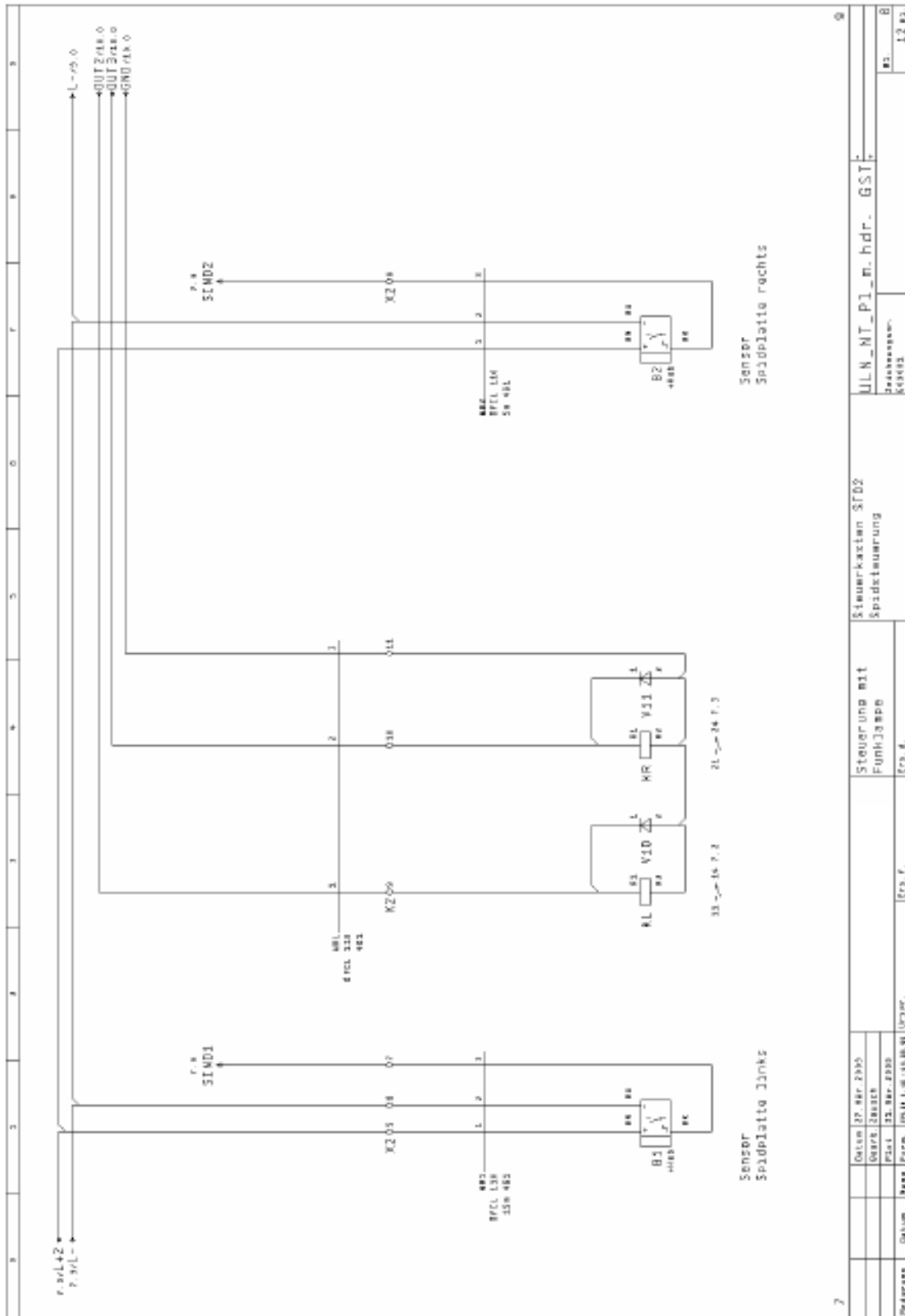
3.5 Electrical Circuit Diagrams

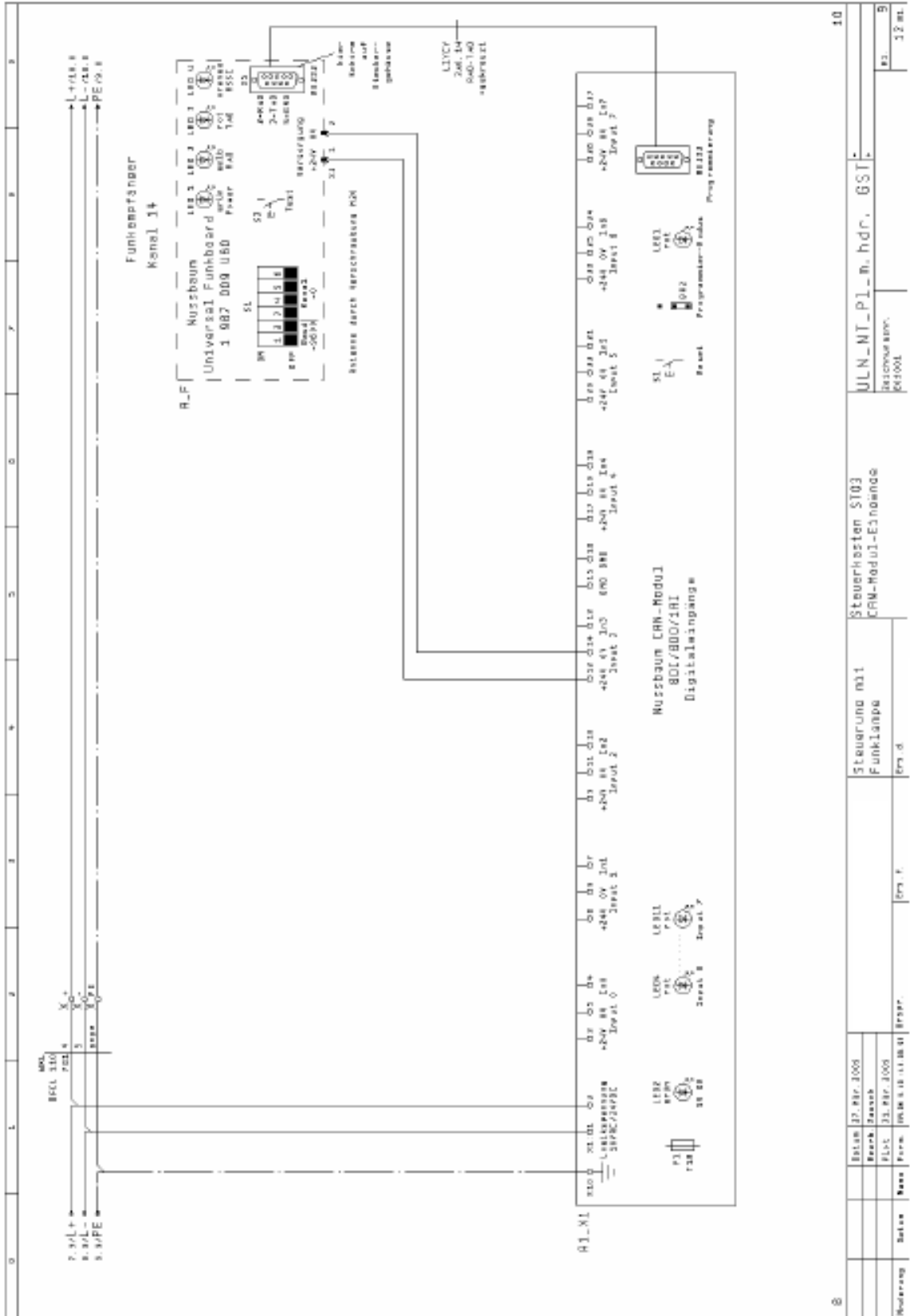




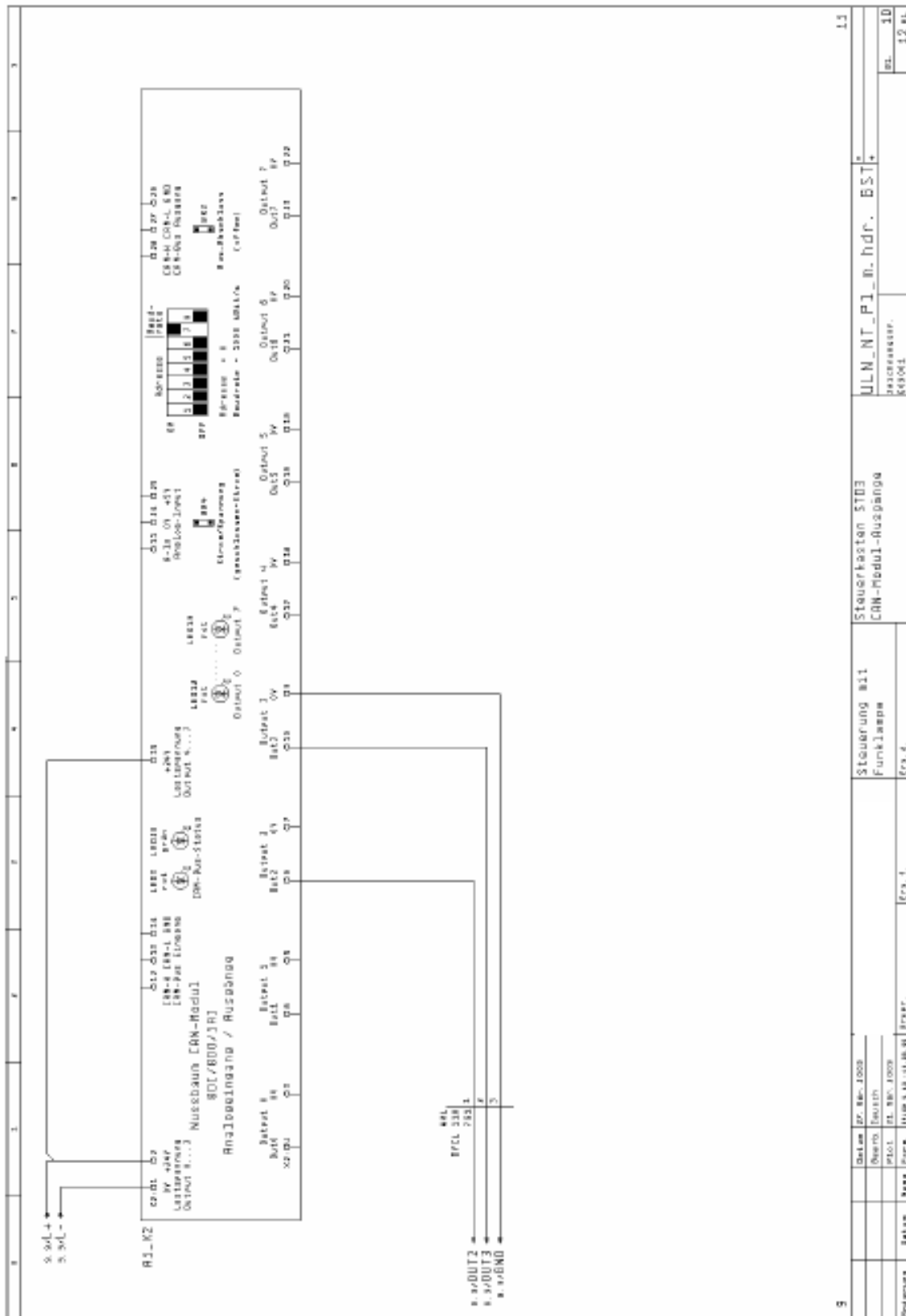


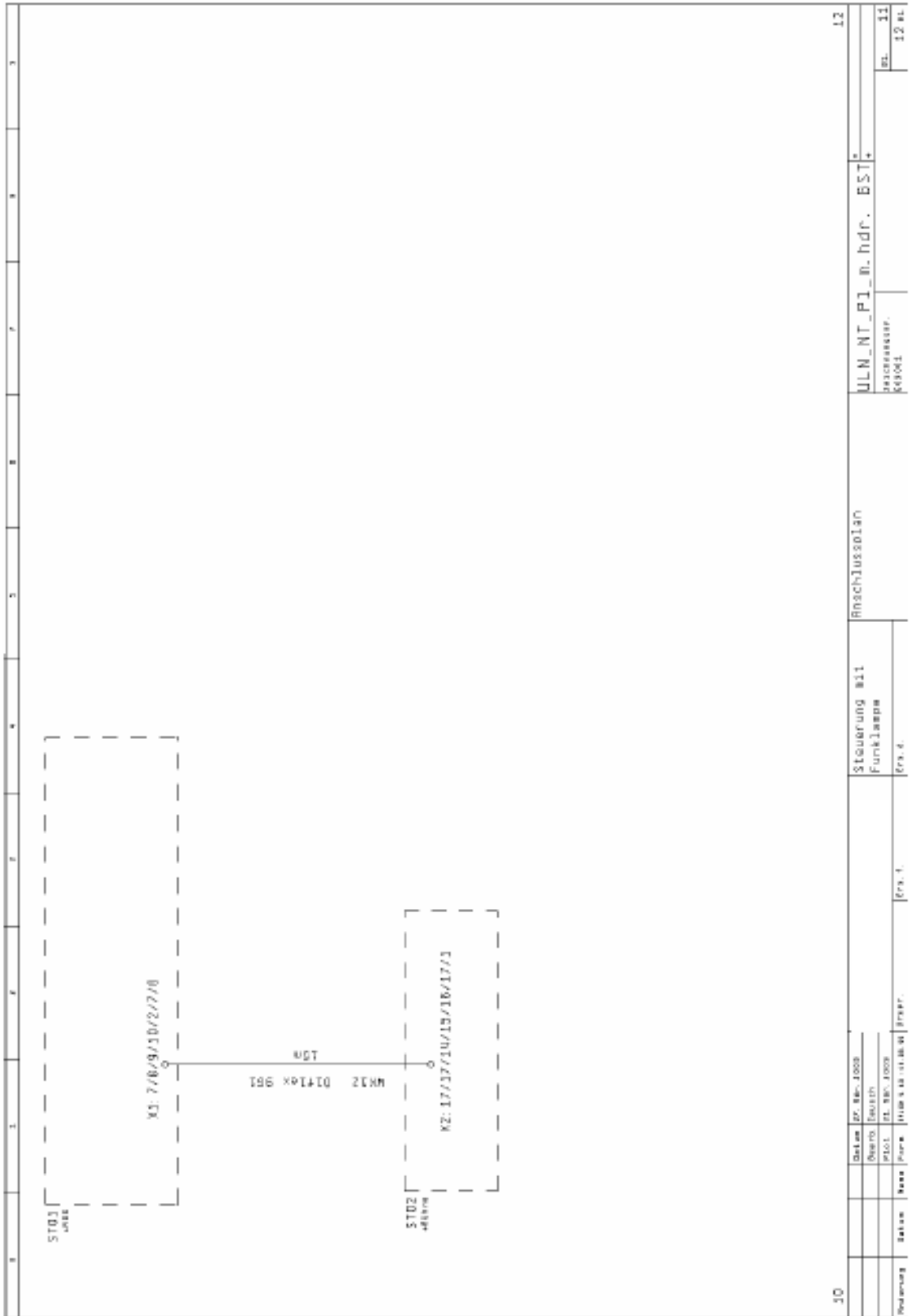


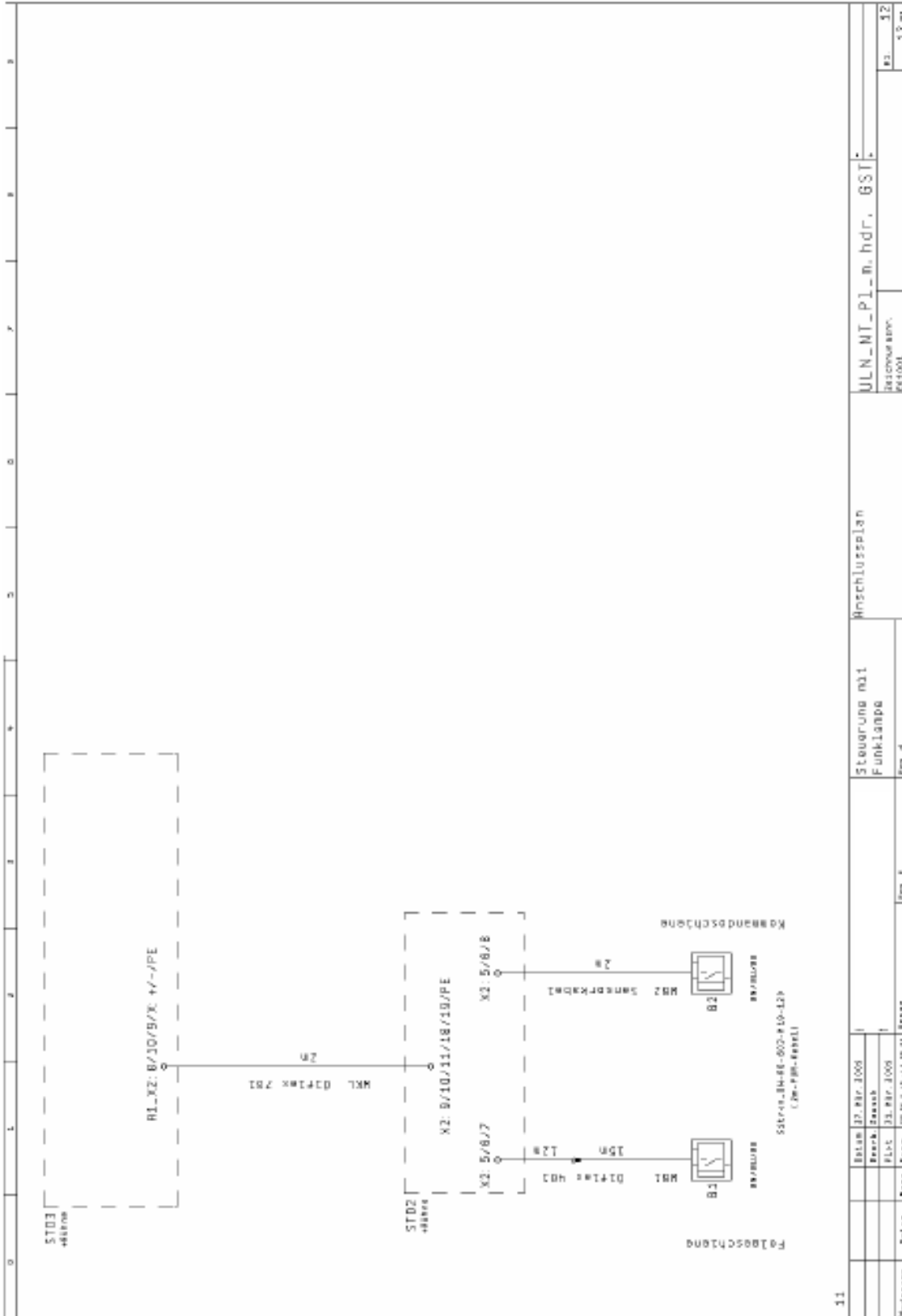




Bestand		Ersatz		Ersatz	
Bildung	Bezeichnung	Bezeichnung	Bezeichnung	Bezeichnung	Bezeichnung
8	Bildung 37. Bsp. 1006 Bezeichnung FLV 33. Bsp. 1006	Steuerung mit Funklampe	Steuerkasten S103 CAR-Modul-Erhöher	JULN-NT-PI-M. h.d.R. GST	10
					9
					8
					7
					6
					5
					4
					3
					2
					1



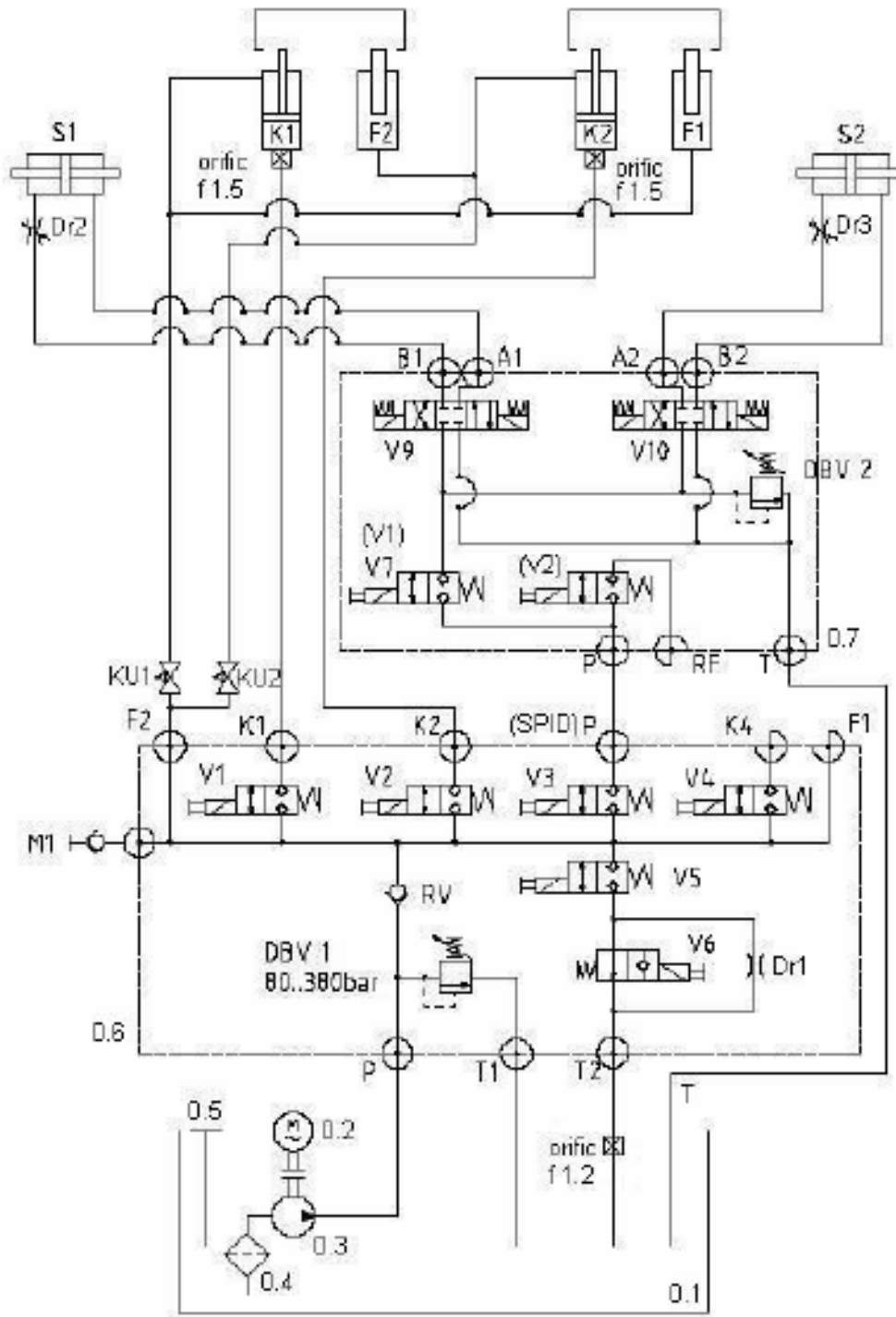




11

Bestand	27. Mrz. 2005	Anschlussplan	ULN_NT_PL_m_hdr, GST:
Reich-Zweck	FLV 23. Mrz. 2005		
Besten	Form. (inkl. 11.11.11.11) (Bsp.)	Steuerung mit Funklampe	Personenanzahl: 12
Modierung		Ern. d.	Ern. d. 12 Mrz.

3.6 Hydraulic Diagram



3.6.1 Hydraulic parts list

Pos.	Description
0.1	Oil tank
0.2	Motor 400 V; 50 Hz
0.3	Gear pump 2.7cm ³ /revolution
0.4	Oil filter
0.5	Oil level gauge
0.6	Hydraulic block lift complete
0.7	Hydraulic block spid complete
V1/V2/V3	Double seat valve
V4	Double seat valve in operable
V5	Double seat valve
V6	Poppet valve
Dr1	Orifice
Dr2/Dr3	Adjustable Orifice
DBV1	Pressure relief valve
DBV2	Pressure relief valve
RV	Holding valve
KU1/KU2	Ball valve
M1	Test Port
V7 (V1)	Double seat valve
(V2)	Double seat valve in operable
V9/V10	Flow valve
K1/K2	Cylinder Master
F1/F2	Cylinder Slave
S1/S2	Cylinder SPID detector

3.7 CBD600 Brake Pedal Depressor

Introduction

The brake pedal application device is intended to be used for the statutory annual MOT testing of class IV, VL and VII vehicles in accordance with the Motor Vehicle (Tests) Regulations 1981, as amended.

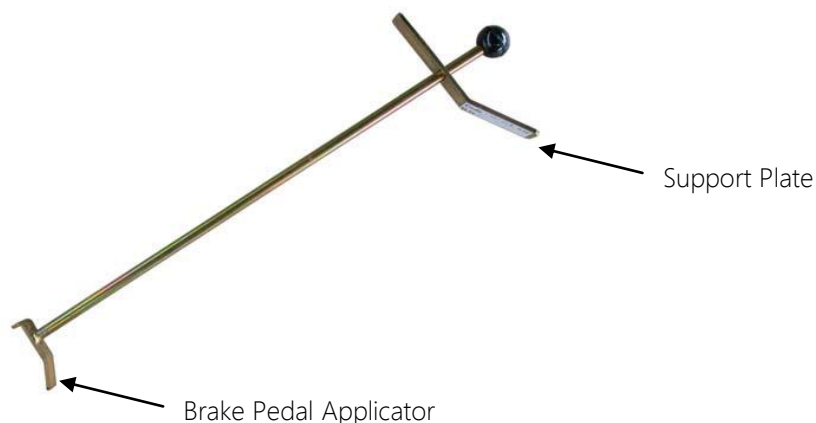


Note: The instructions with regard to health and safety must always be observed.

- Only use the brake pedal application device for purposes of applying the brake and nothing else.
- Make sure that no oils or solvents are present on the equipment while in use. (Danger of slipping off the brake)
- When the application device is in use, do not stand in front or behind the vehicle, only stand and work on the side.
- Do not use the device if any part is broken or bent.
- After application of device and before releasing hand brake, make sure the device is in the correct position on the foot brake pedal.
- Make sure that the drivers seat is secure and locked into position before applying brake device
- Before and after installing device, make sure the hand brake is applied.

Specifications

Weight	1,500 g
Force application	50 kg for minimum of 5 mins
Corrosive resistant	Nickel coated
Length of shaft	72 cm



Application

The Brake pedal application device has a moveable support plate, which enables it to move the whole distance of 720 mm up and down the shaft. At the bottom of the device is a brake pedal applicator which should fit over the brake pedal with the acute 90° angle at the top and the longer 30° angle connecting to the surface of the brake pedal as shown in the diagram below.



The support plate is then pulled up along the shaft until it comes into contact with the front of the seat.

Apply the brake pedal by pushing down on the shaft using the round knob on the end of the shaft to assert pressure on the brake pedal.

Once enough pressure is on the brake pedal to apply the brakes fully, pull up the support plate until it comes into contact with the driver's seat front (check seat is securely locked) and secure the device in place using the back force pressure of the brake pedal to lock the support plate on the shaft with the seat front.

The brake pedal will now be held in a position to hold the brakes as required.

To remove the device, make sure the hand brake has been applied and then push down on the shaft using the round knob on the end of the shaft while easing the pressure off the support plate on the front of the seat. Move the support plate down the shaft and remove the device.

4. Safety Regulations

If you use the automotive lift, the European following regulations are to be considered:
BGG945: Examine of automotive-lifts; BGR500 Using automotive-lifts; (VBG14).

4.1 General safety-regulations

When using your garage equipment, basic safety precautions should always be followed, including the following:

Important Safety Instructions

1. Read all instructions
2. Care must be taken as burns can occur from touching hot parts.
3. Do not operate equipment with a damaged cord or main switch – until it has been examined and repaired by a qualified serviceman.
4. Always disconnect equipment from electrical outlets when not in use.
5. To reduce the risk of fire, do not operate equipment in the vicinity of open containers of flammable liquids (gasoline).
6. Adequate ventilation should be provided when working on operating internal combustion engines.
7. Keep hair, loose clothing, fingers and all parts of the body away from moving parts.
8. To reduce the risk of electric shock, do not use on wet surfaces or expose to rain.
9. Use only as described in this manual. Use only manufacturer's recommended Crypton replacements.

SAVE THESE INSTRUCTIONS

4.2 Additional safety-regulations

The following regulations are very important:

- The laden weight of the lifted vehicle must not exceed 4000kg.
- The maximum axle load for the Play detector (SPID) must not exceed 1400kg
- The maximum load distribution is 2:1 in or against the drive-on direction.
- The automotive lift must be in its lowest position, before the vehicle can be driven onto or off the lift and can only be driven onto or off the lift from the drive on side.
- While working with the lift the operating instructions must be followed.
- Any vehicles with low clearance or vehicles with optional equipment should be pre tested to ensure that they clear the lift ramp to avoid damage.
- Only trained personnel over the age of 18 years old are to operate this lift.
- No person is to stand within the working area (danger area) during lifting and lowering
- No person is to be raised or lowed either directly or in a vehicle by the automotive lift.
- No person is to climb onto the automotive lift or onto an already raised vehicle.
- Position the lifting pads under the vehicle as directed by the vehicle manufacturer.
- Check the centre of gravity of the vehicle if heavy parts (e.g. the engine) are to be removed.
- If heavy parts must be removed (e.g. engine) the centre of gravity will change. Secure the vehicle before removing parts to avoid the possibility of the vehicle becoming insecure.
- The automotive lift must be checked by an expert after changes in construction or after repairing carrying pads.
- The main switch must be switched off and locked before work on the vehicle can commence. This is a safety precaution to ensure that the lift does not move during work.

The main switch must be switched off and locked before any maintenance or repair work on the automotive lift itself can be carried out-

- During lifting or lowering the operator must observe the vehicle to ensure that the vehicle and the lift are functioning correctly.
- During lifting or lowering of the vehicle it must be observed by the operator.

5. Operating Instructions



The Safety Regulations must be observed and adhered to while working with the automotive lift. Read the safety regulations in chapter 4 carefully before working with the lift!

5.1 Lifting the vehicle

- Drive vehicle onto the centre of the lift in the longitudinal and transverse directions.



Each wheel must rest completely on its respective platform. Failure to correctly position the vehicle may result in the vehicle falling from the lift.

- Secure the vehicle against rolling away put into gear and apply the handbrake.
- Check the dangerous places around and on the lift and be sure that there are no objects or people in the immediate area surrounding the lift or on the lift.
- Switch on the control system and switch the main switch to position "1".
- Lift the vehicle to the required working height by pushing the 'lift' button.



Lifting button

Lowering button



Reversing switch Main Lift (0) /Play Detector (1)

5.2 Lowering the vehicle

- Check the danger areas around and on the lift and be sure that there are no objects or people in the immediate area around the lift, or on the lift.
- Use the 'Lowering' button to lower the vehicle to the required working height or until the platforms reach their lowest position.
- Your lift is equipped with the CE-Stop safety system, during lowering the lift will stop approximately 150mm above the floor.

To complete the lowering process push the 'lower' button again. An alarm will sound to caution that the lift is completing its lowering function then drive the vehicle from the lift.

5.3 Equalisation of the lift platforms

Because there are two independent hydraulic systems, there should be no differences between the two platforms if the lift is used correctly.

Ensure you check for any failures in the lift assembly (Hydraulic Leak etc) before attempting to equalize the platforms



When attempting to Equilize the platforms ensure there is no load present

Remove any load from the lift before continuing

In the situation that one platform is higher than the other:-

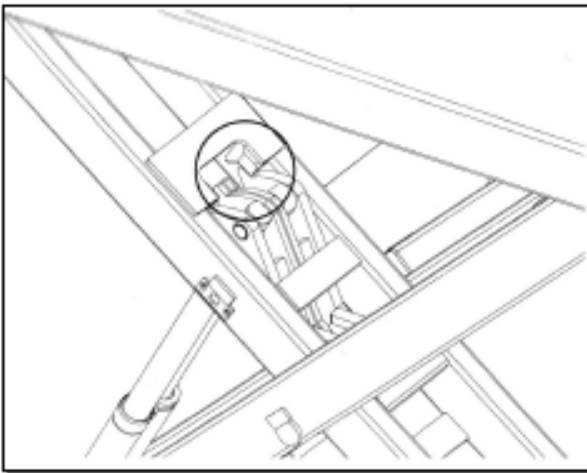
- Using the 'Lowering' button lower the lift as far as possible.
- Remove the back covers from the command console



KU1

KU2

- 'Pull' the ball valve KU1 and press the 'Lowering ' button.. one platform will lower. Return KU1 to its original position.
- 'Pull' the ball valve KU2 and press the 'Lowering ' button.. the second platform will lower. Return KU2 to its original position.
- Raise the platforms approximately 1500mm
- Check the position of the cylinder levers (see picture below) All four cylinder levers have to sit close to the limit stops of the scissors.



Cylinder levers are circled

2 x each side of the lift

- The cylinder levers should be almost touching the limit stops, if not the platforms will need to be equalized one more time observing the following procedure.
- Press the 'Lifting' button and pull the ball valve KU1. Observe if the cylinder levers move to the limit stops.
- If no cylinder lever moves return KU1 to its original position. Pull valve KU2 and press the 'Lifting' button.

6. Troubleshooting

If the lift is not working properly, the reason 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 department on 0844 665 7610.



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

Problem: Motor does not start	
Potential causes	Solution:
<i>No power supply</i>	<i>Check the power supply</i>
<i>Main switch is not engaged</i>	<i>Check the main switch</i>
<i>The main switch is defective</i>	<i>Check the main switch</i>
<i>Fuse defective</i>	<i>Check Fuse (replace if necessary)</i>
<i>The feed line is cut</i>	<i>Check the complete cable</i>
<i>Thermal switch in the motor is active</i>	<i>Let motor cool down</i>
<i>Motor is defective</i>	<i>Call technical service</i>

Problem: Motor starts, lift does not lift	
Potential causes	Solution:
<i>The Vehicle is too heavy</i>	<i>Unload the vehicle</i>
<i>Level of the oil is too low</i>	<i>Check oil level, fill as required</i>
<i>The emergency lowering screws are not closed</i>	<i>Check emergency lowering screws</i>
<i>Cylinder is defective</i>	<i>Call Customer Service</i>
<i>Hydraulic Lines are defective</i>	<i>Check Hydraulic Lines</i>
<i>Hydraulic valve is defective</i>	<i>Call Customer Service</i>
<i>Gear pump is defective</i>	<i>Call Customer Service</i>

Problem: The Lift does not lower	
Potential causes	Solution:
<i>An obstacle is stopping the lift from lowering</i>	<i>See Chapter 6.1</i>
<i>Seat valves cannot be unlocked</i>	<i>Emergency Lowering</i>
<i>Hydraulic valve is defective</i>	<i>Call Customer Service</i>
<i>Fuse defective</i>	<i>Check Fuse</i>

6.1 Lowering onto an obstacle

If the lift is lowered onto an obstacle the hydraulic system has got no more pressure and the lift stops. To remove the obstacle, raise the platforms. Press the 'Lifting' button until the platforms are high enough for the obstacle to be removed.

6.2 Emergency lowering



Emergency lowering is an intervention into the control of the lift and should only be performed by a competent person.

The Emergency lowering procedure is written below, the process MUST be followed correctly otherwise a malfunction can lead to product damage or lead to a risk to life.



If the hydraulic hoses are damaged replace them prior to performing the Emergency lowering procedure.

- 1) Before starting the procedure disconnect the lift from the power supply
- 2) Open the cover of the command console to enable you to reach the seat valves of the hydraulic block.
- 3) Check there are no obstacles or people in the immediate area of the lift.
- 4) To start the lowering process simultaneously press valves V1 and V2, the lift will start to lower.



If there is any sign of danger to life, or the risk of damage to the product, stop the lowering process immediately by releasing V1 and V2

- 5) Continue lowering the lift until the lift has reached its lowest position.
- 6) Shut down the lift until the defective parts have been replaced.
- 7) Please contact our support team if you have any questions.

7. Inspection and Maintenance



Before conducting maintenance work, preparations must be made to ensure that during maintenance and repair work there is no risk to the safety of people working on or around the lift and also that there is no risk of damage to equipment being used on or around the lift.

To guarantee the utmost availability and to ensure that the lift remains functional, maintenance work contracts are organized between our clients and their local retailers.

A service must be performed at regular intervals of 3 months through the operator in accordance with following service manual. If the lift is in continuous operation or in a dirty environment, the maintenance rate must be increased.

During daily operation the lift must be closely observed to ensure that it is functioning correctly. In the case of malfunction or leakage Technical Support must be informed.

7.1 Maintenance schedule for the lift

- Before beginning any maintenance work isolate the power supply. Secure the main switch (lock it). Secure the danger area around the automotive lift and secure the lift against unintentional lowering.
- Remove any sand or dirt from the piston-rods
- Grease the piston rods with multipurpose oil.
- Clean and check the stripper of the guidance-piston.
- Grease the lubricate nipples with a multipurpose lipid. (Example: Auto Top 2000 LTD. Agip)
- Clean and lubricate the moving parts of the lift (hinge bolts, sliding pieces, and sliding surfaces) grease with a multipurpose lipid (example: Auto Top 2000 LTD. Agip).
- Check the hydraulic pipes for leakage.

Life time of the hydraulic hoses.

The use duration of the hose lines should not exceed six years, including a storage time of at the most two years.

Deviating of the use duration, according to available inspection results and empirical values with consideration of the operating conditions, can be specified in individual cases (excerpt from standard: ZH 1/74// DIN 20066).

- Remove all fluids in the canister. After it, seal the cover again.
- Check the oil level. Fill the tank with clean, high quality oil (32 cst) (e.g. HLP 32 LTD. OEST Company)
- The hydraulic oil has to be changed at least once a year. To change the oil, lower the lift into its lowest position. Empty all tanks and refill with clean oil, see chapter 3.1.

Use an ATF-Suffix hydraulic-oil (OEST Company) if the ambient temperature is less than 5 degrees centigrade. After filling, the hydraulic oil must be between the upper and lower markings of the oil level gauge. Remove the old oil according to the appropriate regulations.

- Check all welded joints for cracks.

If any cracks are found on the lift cease use immediately. Switch-off and secure the main switch (lock) and call the service partner.

- Check all surfaces and repair if necessary.
- Damage to external surfaces, must be immediately repaired. If these repairs are not made immediately, permanent damage to the powder-coated surface may result. Repair and clean damaged areas with an abrasive paper (grain 120). After this is complete, use a suitable paint (observe the RAL Number - RAL7016).
- Check the zinc surface and repair it with a suitable tool. Use abrasive paper (grain 280). White rust can result from moisture lying in certain areas for long periods of time. Poor aerating can also result in rust formation. Rust may result from mechanical damage, wear, aggressive sediments (de-icing salt, liquids) or insufficient cleaning. Repair and clean these areas with abrasive paper (grain 280). After this is complete, use a suitable paint (observe the RAL Number RAL7016).
- Check all the safety devices of the lift (ratchet, the CE-Stop, etc.)
- Check the electric cable and channels for damage.
- Check all the covers for damage.
- Check that all screws and bolts are correctly torque (turning moments, see the list below)

Turning moment for screws
property class 8.8

	0,10*	0,15**	0,20***
M8	20	25	30
M10	40	50	60
M12	69	87	105
M16	170	220	260
M20	340	430	520
M24	590	740	890

property class 10.9

	0,10*	0,15**	0,20***
M8	30	37	44
M10	59	73	87
M12	100	125	151
M16	250	315	380
M20	490	615	740
M24	840	1050	1250

* sliding friction 0,10 for very good surfaces, lubricated
 ** sliding friction 0,15 for good surfaces, lubricated or dirty
 *** sliding friction 0,20 surface black or dephosphated, dry

Pic 12:



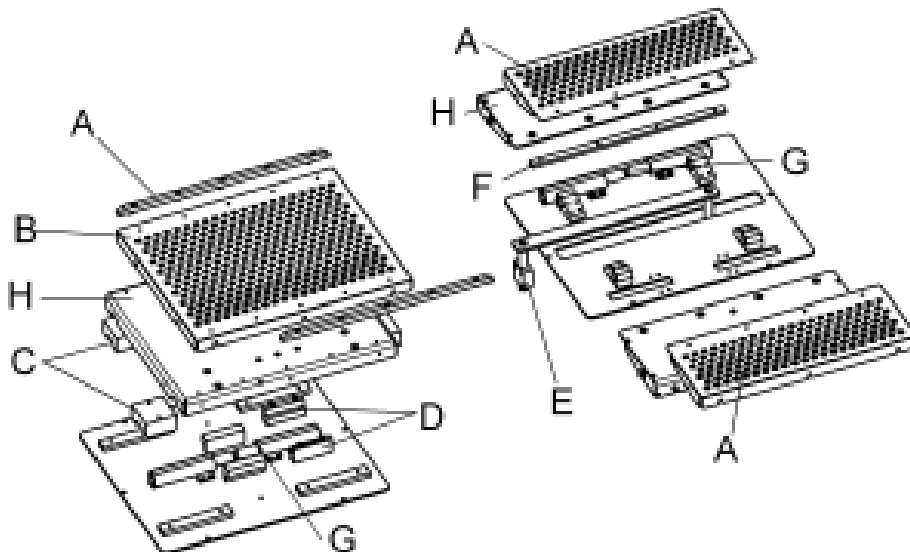
The valves (cartridges) have to be tightened to between 30 and 35Nm at regular intervals

With extensive use of the lift the maintenance interval should be shortened

Before the cartridges can be tightened the coils have to be removed through releasing the black turn lock fastener

7.2 Maintenance schedule for the play detector

To be carried out at least once in a period of twelve months.



- Before beginning any maintenance work isolate the power supply. Secure the main switch (lock it). Secure the danger area around the lift and secure it against unintentional lowering.

A - Clean the position assistance and examine it for damages.

B -Clean the plate with air pressure and examine it for damages. Afterwards lubricate with multipurpose grease.

C -First remove the plates B, H before cleaning the sliding blocks with air pressure and examine it for damages. After lubricate with multipurpose grease.



D -Clean the plate with compressed air and examine it for damages. Afterwards lubricate with multipurpose grease. **Ensure suitable eye protection is worn during this procedure.**

E -Check the easy-running of the lifting device.

F -Clean the plate with air pressure and examine it for damages. Do not lubricate this sliding block, otherwise the dirt remains hanging on it

G -Clean the piston-rods using compressed air.

- Check the hydraulic tubes for leakage.
- Check the function of the play detector with the hand lamp/remote control

7.3 How often must the lift be cleaned ?

A regular and appropriate maintenance practice will aid the preservation of the lift.

No guarantees can be given when damage (eg: rust or fading colour) is the direct result of poor maintenance and cleaning practice.

Regular cleaning of all kinds of dirt is the best protection against wear and the formation of rust and will prolong the life of the lift - Dirty deposits that can cause rust include:

- De-icing salt
- Sand, pebble stone, natural soil
- All types of industrial dust
- Water; also in connection with other environmental influences
- All types of aggressive deposits
- Constant humidity caused by insufficient ventilation

Obviously this is dependent on the type of work being done with the lift, the degree of cleanliness of the workshop and location of the lift. The degree and amount of dirt is dependent on the season, on the weather conditions and the ventilation of the workshop.

During poor conditions it may be necessary to clean the lift once week, but cleaning once a month will suffice. Clean the lift and the floor with a non-aggressive and non-abrasive detergent. Use a gentle detergent to clean the parts. Use standard washing-up liquid and lukewarm water.

- Do not use steam jet cleaners.
- Remove all dirt carefully with a sponge or if necessary with a brush.
- Ensure that no washing-up liquid is left on the lift after cleaning.
- Do not use aggressive means for cleaning the workshop floor and the automotive lift.
- Permanent contact with any kind of liquid is not allowed.
- Do not use high pressure devices for cleaning the lift.

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 check must be performed by a competent person. It is also recommended that a service be carried out during these checks.



After the construction of the lift has been changed (for example changing the lifting height or capacity) and after serious maintenance works (welding on load bearing parts) an extraordinary security check must be performed by an expert.

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

9. Installation and Initiation

9.1 Installation of the lift

The standard installation requires the command unit to be installed at the front right side of the lift (refer to data sheet). The command can be installed in other areas if necessary but special hydraulic hoses are needed.

9.2 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 himself. The installation has to be done according to this regulation.
- For the installation a concrete floor with a specified thickness (see foundation plan) and a quality of at least C20/25 has to be provided. If these requirements cannot be fulfilled a foundation according to the foundation plan must be made. The area must be completely even. Foundations located outside or in areas that are vulnerable to frost must be made frost proof.
- An electric supply 3~/N + PE, 400 V, 50 Hz, Fuse 16 Ampere time lag, has to be provided by the customer. The connection is located in the command unit. The minimum wire diameter is 2,5mm
- A compressed air supply with an inside diameter of 6 mm must be provided at the command unit. The pressure must be 6 bar (max. 10 bar).
- All cable ducts have to be equipped with protective coverings to prevent accidental damage.

9.3 Erection and doweling (Masonry bolting) the lift

- Install the lift according to the data sheet and the foundation plan, also see TES1532
- Install command unit at its specified place and connect it with air and power supply.
- Connect the hydraulic hoses
- Fill the tank with hydraulic oil, approximately 14 litres. A high quality hydraulic oil is recommended, its viscosity should be 32 cst. (HLP 32 OEST Company)
- Connect pneumatic hoses and electrical wires between command unit and lift in accordance with plan:
- Push " up" button until the vent screw at the top of slave cylinder is accessible. Execute a deaerate in line with the process described below if necessary
Adjust the lift: First one base plate, then the second base plate. If there is an uneven floor even it with metal sheets. A continuous contact between the floor and the base must be guaranteed to avoid hollow spaces
- Before the lift is doweled to the ground, the quality of the ground must be checked. For an existing concrete floor the dowels have to be chosen according to pic. 16, if the ground is covered with floor tiles, the dowels have to be chosen according to pic. 17.
- CRYPTON demands dowels that are recommended in chapter ? of this manual.
- Check adjustment of the ground plates again. Drill the holes into the ground through the corresponding holes in the ground plates. Clean the holes and insert dowels.
- Adjust automotive lift according to the short separate instruction. The manufacturer demands safety-dowels from Liebig or Hilti or equal dowels from another manufacturer with license.
- Adjust the lift by screwing the adjusting screws at the base plate of the sliding end and the fixed pivot end
Adjust one platform until it is level first and then adjust the second platform so that it is even with the first.
- Tighten the dowels (masonry bolts) with a dynamometric key or torque wrench.



Each dowel (masonry bolt) must be tightened with a prescribed torque moment. Otherwise the normal function of the lift can not be guaranteed.

- Lift and lower the automotive lift repeatedly. Tighten dowels with dynamometric key or torque wrench again and check hydraulic lines are tightly sealed.

9.4 Initiation



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

If the lift is installed by a competent person, he will perform this security check. If the operator installs the lift by himself, he must instruct a competent person to perform the security check. The competent person should confirm the faultless function of the lift in the installation record. The form for the security check should be completed before the lift is allowed to be used.



Please send the completed installation record to the manufacturer after installation.

9.5 Changing of the place of installation

If the place of installation must be changed, the new place has to be prepared according to these regulations. The changing of the location must be performed according to the following schedule:

- Loosen dowels.
- Lift the lift without any load to a height of 1000 mm.
- Remove the cover of the Hydraulic Hoses.
- Loosen the dowels
- Lower the lift to its lowest position
- Disconnect electrical wires, hydraulic hoses and air hoses. (only from the control console)
- If necessary use blind plugs to close off the hoses
- Transport the lift to its new location.
- Install the lift according to these regulations.



Use new dowels. Used dowels have been mechanically stressed and MUST not be used.

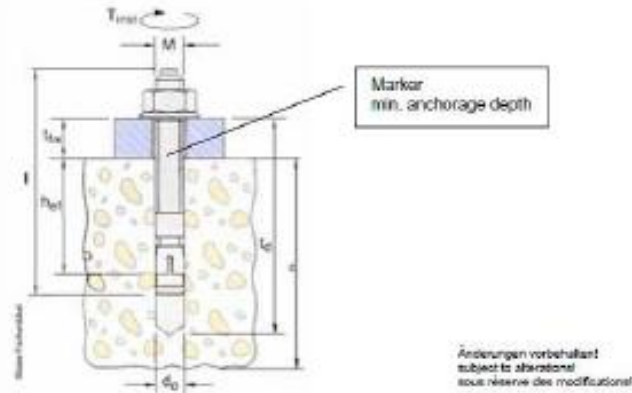


A security check must be performed by a competent person before reinitiating. Use form "Regular security check".



If any fault is found, call Customer Service on 0844 665 7610

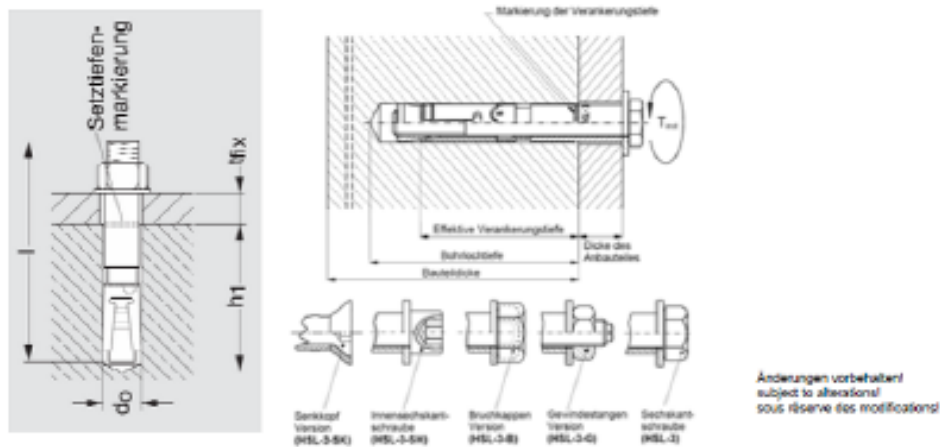
Pic.16 Choice of the dowels



fischer-Dübel		CSL 640/641		
Dübel typ of dowel type de cheville		FH 15/50 B Bestellnr. 970265	FH 16 x 100/100 B Bestellnr. 972230	FH 24/100 B Bestellnr. 970267
Bohrtiefe drilling depth Profondeur de l'alésage	l _d	145	230	255
Mindestverankerungstiefe min.anchorage depth Profondeur minimale d'ancrage	h _{ef}	70	100	125
Betonstärke thickness of concrete Épaisseur du béton	c	siehe den aktuellen Fundamentplan see current foundation-diagram drawing vois le plan de fondation actuel		
Bohrerdurchmesser diameter of bore Diamètre de l'alésage	d _o	15	18	24
Baueteilstärke thickness of the lift-piece Épaisseur de la pièce	t _{fix}	0-50	0-100	0-100
Anzugsdrehmoment Nm turning moment moment d'une force	MD	40	80	120
Gesamtlänge Total length Longueur totale	l	155	230	272
Gewinde Thread fil	M	M10	M12	M16
Stückzahl piece number nombre des pièces	#	4		
	#	8		
	#	10		
	#	12		
	#	16		
	#	20		
#	14			
<p>Montage</p>				
<p>Es können auch gleichwertige Sicherheitsdübel anderer Hersteller (mit Zulassung) unter Beachtung deren Bestimmungen verwendet werden. It is possible to use equivalent safety-dowels (with license) of other manufacturer but observe their regulations. Des chevilles des autres marques (autorisées) peuvent aussi être choisies en respectant les directives du fabricant.</p>				

You can use equivalent dowels from another dowel manufacturer (with license) but observe their instructions for use.

Pic 17: Choice of the dowel length with floor pavement or tile surface



Hilti-anchor		CSL 640/641				
Bodenbelag (Estrich, Fliesen)		ohne Bodenbelag	Without tiles	With tiles	ohne Bodenbelag	mit Bodenbelag
Dübel typ of dowel type de cheville		HSL-3-5 M10x80 Art.Nr.371707	HSL-3-5 M12x50 Art.Nr.371800	HSL-3-5 M12*100 Art.Nr.371801	HSL-3-5 M10x50 Art.Nr.371803	HSL-3-5 M10x100 Art.Nr.371832
Bohrtiefe drilling depth Profondeur de l'alésage	h1	90	105	105	125	125
Mindestverankerungstiefe min anchorage depth Profondeur minimale d'ancrage	htr	70	80	80	100	100
Betonstärke thickness of concrete Épaisseur du béton	c	siehe den aktuellen Fundamentplan see current foundation-diagram drawing voir le plan de fondation actuel				
Bohrerdurchmesser diameter of bore Diamètre de l'alésage	do	15	18	18	24	24
Bauteldicke thickness of the lift-piece Épaisseur de la pièce	htr	0-40	0-50	0-100	0-50	0-100
Anzugsdrehmoment Nm turning moment moment d'une force	T _{inst}	35	60	60	80	80
Gesamtlänge Total length Longueur totale	l	135	164	214	188	238
Gewinde Thread fil	M	10	12	12	16	16
Stückzahl piece number nombre des pièces	a	4				
	b	8				
	c	10				
	d	12				
	e	14				
	f	16				
	g	28				
<p>Es können auch gleichwertige Sicherheitsdübel anderer Hersteller (mit Zulassung) unter Beachtung deren Bestimmungen verwendet werden. It is possible to use equivalent safety-dowels (with license) of other manufacturer but observe their regulations. Des chevilles des autres marques (autorisées) peuvent aussi être choisies en respectant les directives du fabricant.</p>						

You can use equivalent dowels from another dowel manufacturer (with license) but observe their instructions for use

First security check before installation



Complete and leave in this manual

Serial-number _____

Check:	all right	defect missing	verif-ication	Remarks
Type plate.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Short operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Warning designation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sticker "max. capacity".....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function button lifting/lowering/equalization.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detailed operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of concrete.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of Safety bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function play detector / lamp / press button.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of automotive lift.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of paint.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction (deformation, cracking)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Torque of the dowels (bolts).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Torque moments of the screws and dowels.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition operating unit.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition surface piston rod	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition coverings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition electrical wires	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Level of hydraulic oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Closeness of the hydraulic system.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition hydraulic hoses and fittings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function test with vehicle.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function safety devices.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of welding.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function/condition of ratchet / ratchet teeth.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lifting lever condition (connected to top of cyl)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lifting lever press plate condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function CE-Stop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function acoustic warning signal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(mark here applicable, in case of verification mark in addition to the first mark!)

Security check carried out. Name :.....Date :.....

Carried out by (Company):.....

Signed by (Competent person):.....

Result of the Check:

- Initiation not permitted, verification necessary
- Initiation possible, repair failures until.....
- No failings, Initiation 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!)

Regular security check and Maintenance



Complete and leave in this manual

Serial-number: _____

Check:	all right	defect/missing	verification	Remarks
Type plate.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Short operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Warning designation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sticker "max. capacity".....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function button lifting/lowering/equalization.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detailed operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of concrete.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of Safety bolts.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function play detector / lamp / press button.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of automotive lift.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of paint.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction (deformation, cracking).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Torque of the dowels (bolts).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Torque moments of the screws and dowels.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition operating unit.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition surface piston rod.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition coverings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition electrical wires.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Level of hydraulic oil.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Closeness of the hydraulic system.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition hydraulic hoses and fittings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function test with vehicle.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function safety devices.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of welding.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function/condition of ratchet / ratchet teeth.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lifting lever condition (connected to top of cyl).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lifting lever press plate condition.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function CE-Stop.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function acoustic warning signal.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(mark here applicable, in case of verification mark in addition to the first mark!)

Security check carried out. Name :.....Date :.....

Carried out by (Company):.....

Signed by (Competent person):.....

Result of the Check:

- Initiation not permitted, verification necessary
- Initiation possible, repair failures until.....
- No failings, Initiation 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!)

Regular security check and Maintenance



Complete and leave in this manual

Serial-number: _____

Check:	all right	defect/missing	verification	Remarks
Type plate.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Short operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Warning designation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sticker "max. capacity".....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function button lifting/lowering/equalization.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detailed operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of concrete.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of Safety bolts.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function play detector / lamp / press button.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of automotive lift.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of paint.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction (deformation, cracking).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Torque of the dowels (bolts).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Torque moments of the screws and dowels.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition operating unit.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition surface piston rod.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition coverings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition electrical wires.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Level of hydraulic oil.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Closeness of the hydraulic system.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition hydraulic hoses and fittings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function test with vehicle.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function safety devices.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of welding.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function/condition of ratchet / ratchet teeth.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lifting lever condition (connected to top of cyl).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lifting lever press plate condition.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function CE-Stop.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function acoustic warning signal.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(mark here applicable, in case of verification mark in addition to the first mark!)

Security check carried out. Name :.....Date :.....

Carried out by (Company):.....

Signed by (Competent person):.....

Result of the Check:

- Initiation not permitted, verification necessary
- Initiation possible, repair failures until.....
- No failings, Initiation 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!)

Regular security check and Maintenance



Complete and leave in this manual

Serial-number: _____

Check:	all right	defect/missing	verification	Remarks
Type plate.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Short operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Warning designation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sticker "max. capacity".....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function button lifting/lowering/equalization.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detailed operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of concrete.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of Safety bolts.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function play detector / lamp / press button.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of automotive lift.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of paint.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction (deformation, cracking).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Torque of the dowels (bolts).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Torque moments of the screws and dowels.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition operating unit.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition surface piston rod.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition coverings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition electrical wires.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Level of hydraulic oil.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Closeness of the hydraulic system.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition hydraulic hoses and fittings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function test with vehicle.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function safety devices.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of welding.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function/condition of ratchet / ratchet teeth.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lifting lever condition (connected to top of cyl).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lifting lever press plate condition.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function CE-Stop.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function acoustic warning signal.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(mark here applicable, in case of verification mark in addition to the first mark!)

Security check carried out. Name :.....Date :.....

Carried out by (Company):.....

Signed by (Competent person):.....

Result of the Check:

- Initiation not permitted, verification necessary
- Initiation possible, repair failures until.....
- No failings, Initiation 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!)

Regular security check and Maintenance



Complete and leave in this manual

Serial-number: _____

Check:	all right	defect/missing	verification	Remarks
Type plate.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Short operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Warning designation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sticker "max. capacity".....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function button lifting/lowering/equalization.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detailed operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of concrete.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of Safety bolts.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function play detector / lamp / press button.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of automotive lift.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of paint.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction (deformation, cracking).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Torque of the dowels (bolts).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Torque moments of the screws and dowels.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition operating unit.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition surface piston rod.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition coverings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition electrical wires.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Level of hydraulic oil.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Closeness of the hydraulic system.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition hydraulic hoses and fittings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function test with vehicle.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function safety devices.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of welding.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function/condition of ratchet / ratchet teeth.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lifting lever condition (connected to top of cyl).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lifting lever press plate condition.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function CE-Stop.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function acoustic warning signal.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(mark here applicable, in case of verification mark in addition to the first mark!)

Security check carried out. Name :.....Date :.....

Carried out by (Company):.....

Signed by (Competent person):.....

Result of the Check:

- Initiation not permitted, verification necessary
- Initiation possible, repair failures until.....
- No failings, Initiation 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!)

Regular security check and Maintenance



Complete and leave in this manual

Serial-number: _____

Check:	all right	defect/ missing	ver- i- fication	Remarks
Type plate.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Short operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Warning designation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sticker "max. capacity".....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Function button lifting/lowering/equalization.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Detailed operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Condition of concrete.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Condition of Safety bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Function play detector / lamp / press button.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Condition of automotive lift.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Condition of paint.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Construction (deformation, cracking)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Torque of the dowels (bolts).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Torque moments of the screws and dowels.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Condition operating unit.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Condition surface piston rod	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Condition coverings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Condition electrical wires	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Level of hydraulic oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Closeness of the hydraulic system.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Condition hydraulic hoses and fittings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Function test with vehicle.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Function safety devices.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Condition of welding.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Function/condition of ratchet / ratchet teeth.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Lifting lever condition (connected to top of cyl)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Lifting lever press plate condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Function CE-Stop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Function acoustic warning signal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

(mark here applicable, in case of verification mark in addition to the first mark!)

Security check carried out. Name :.....Date :.....

Carried out by (Company):.....

Signed by (Competent person):.....

Result of the Check:

- Initiation not permitted, verification necessary
- Initiation possible, repair failures until.....
- No failings, Initiation 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!)

Regular security check and Maintenance



Complete and leave in this manual

Serial-number: _____

Check:	all right	defect/missing	verification	Remarks
Type plate.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Short operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Warning designation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sticker "max. capacity".....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function button lifting/lowering/equalization.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detailed operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of concrete.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of Safety bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function play detector / lamp / press button.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of automotive lift.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of paint.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction (deformation, cracking)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Torque of the dowels (bolts).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Torque moments of the screws and dowels.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition operating unit.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition surface piston rod	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition coverings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition electrical wires	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Level of hydraulic oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Closeness of the hydraulic system.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition hydraulic hoses and fittings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function test with vehicle.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function safety devices.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of welding.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function/condition of ratchet / ratchet teeth.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lifting lever condition (connected to top of cyl)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lifting lever press plate condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function CE-Stop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function acoustic warning signal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(mark here applicable, in case of verification mark in addition to the first mark!)

Security check carried out. Name :.....Date :.....

Carried out by (Company):.....

Signed by (Competent person):.....

Result of the Check:

- Initiation not permitted, verification necessary
- Initiation possible, repair failures until.....
- No failings, Initiation 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!)

Regular security check and Maintenance



Complete and leave in this manual

Serial-number: _____

Check:	all right	defect/missing	verification	Remarks
Type plate.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Short operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Warning designation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sticker "max. capacity".....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function button lifting/lowering/equalization.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detailed operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of concrete.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of Safety bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function play detector / lamp / press button.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of automotive lift.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of paint.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction (deformation, cracking)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Torque of the dowels (bolts).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Torque moments of the screws and dowels.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition operating unit.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition surface piston rod	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition coverings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition electrical wires	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Level of hydraulic oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Closeness of the hydraulic system.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition hydraulic hoses and fittings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function test with vehicle.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function safety devices.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of welding.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function/condition of ratchet / ratchet teeth.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lifting lever condition (connected to top of cyl)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lifting lever press plate condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function CE-Stop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function acoustic warning signal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(mark here applicable, in case of verification mark in addition to the first mark!)

Security check carried out. Name :.....Date :.....

Carried out by (Company):.....

Signed by (Competent person):.....

Result of the Check:

- Initiation not permitted, verification necessary
- Initiation possible, repair failures until.....
- No failings, Initiation 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!)

Regular security check and Maintenance



Complete and leave in this manual

Serial-number: _____

Check:	all right	defect/missing	verification	Remarks
Type plate.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Short operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Warning designation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sticker "max. capacity".....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function button lifting/lowering/equalization.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detailed operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of concrete.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of Safety bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function play detector / lamp / press button.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of automotive lift.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of paint.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction (deformation, cracking)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Torque of the dowels (bolts).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Torque moments of the screws and dowels.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition operating unit.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition surface piston rod	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition coverings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition electrical wires	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Level of hydraulic oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Closeness of the hydraulic system.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition hydraulic hoses and fittings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function test with vehicle.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function safety devices.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of welding.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function/condition of ratchet / ratchet teeth.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lifting lever condition (connected to top of cyl)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lifting lever press plate condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function CE-Stop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function acoustic warning signal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(mark here applicable, in case of verification mark in addition to the first mark!)

Security check carried out. Name :.....Date :.....

Carried out by (Company):.....

Signed by (Competent person):.....

Result of the Check:

- Initiation not permitted, verification necessary
- Initiation possible, repair failures until.....
- No failings, Initiation 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!)

Extraordinary security check



Complete and leave in this manual

Serial-number: _____

Check:	all right	defect/missing	verification	Remarks
Type plate.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Short operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Warning designation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sticker "max. capacity".....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function button lifting/lowering/equalization.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detailed operating instruction.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of concrete.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of Safety bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function play detector / lamp / press button.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of automotive lift.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of paint.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction (deformation, cracking)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Torque of the dowels (bolts).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Torque moments of the screws and dowels.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition operating unit.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition surface piston rod	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition coverings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition electrical wires	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Level of hydraulic oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Closeness of the hydraulic system.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition hydraulic hoses and fittings.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function test with vehicle.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function safety devices.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of welding.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function/condition of ratchet / ratchet teeth.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lifting lever condition (connected to top of cyl)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lifting lever press plate condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function CE-Stop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function acoustic warning signal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(mark here applicable, in case of verification mark in addition to the first mark!)

Security check carried out. Name :.....Date :.....

Carried out by (Company):.....

Signed by (Competent person):.....

Result of the Check:

- Initiation not permitted, verification necessary
- Initiation possible, repair failures until.....
- No failings, Initiation 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!)

After Sales Service

Apart from the routine maintenance and adjustments stipulated in this manual the equipment must not be tampered with in any way. All further servicing must be carried out only by an engineer from an Authorised Agent. Failure to observe these conditions will invalidate the Guarantee.

On-Site Service / Overhaul / Spare Parts

If you require a Service Engineer to attend ON SITE, either due to an equipment fault, or for machine calibration, or if the equipment covered by this manual requires to be sent back for factory overhaul, or if you need spare parts, please contact our Product Support Department.

- **Outside UK mainland**

Service for export customers are provided by the agent from whom your equipment was purchased.

- **UK After-Sales Service**

Call Continental Support for details of local service agents.

- **Technical Information**

Crypton also provide information and contracts covering:

Car Data, Fault Code Information, Diagnostic Information, Software Support Contracts, Software Updates & Accessories.

CONTACT DETAILS

Contact UK Sales on 0844 665 7613
Email sales@cryptontechnology.com

Contact Support – 0844 665 7610
Support Fax - UK 0844 665 7604
Email support@cryptontechnology.com

Continental Automotive Trading UK Ltd
36 Gravelly Industrial Park
Birmingham B24 8TA
United Kingdom
www.cryptontechnology.com

Crypton - A Brand of the Continental Corporation

E & O E. The Company reserves the right to introduce improvements in design or specification without prior notice.

The sale of this product is subject to our standard terms, conditions and relevant product warranty.

