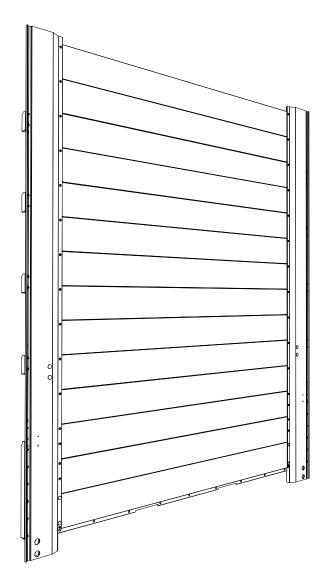


# Mounting instruction front wall IV



#### Translation of the original mounting instruction



### Contents

1 General information	03
2 Safety	05
3 Mounting of stanchion and slider for front wall IV	06
4 Mounting of stanchion part II (only in connection with lifting systems)	07
5 Fixation of front wall IV with the end profile downside	08
6 Mounting of sliders and top parts upside for standard and lifting systems front wall IV	09
7 Mounting of the central hydraulics	10
8 Hydraulics aggregate with hand pump	14
9 Hydro-pneumatic pump	
10 Circuit diagram	16
11 Mounting of liftmaster and compact hydraulics front wall IV	17
12 Mounting of top parts with sliders upside (liftmaster and compact hydraulics front wall IV)	19
13 Ventilation of the compact hydraulics	20
14 Mounting of front wall supports (optional)	21
14 Annexes	23

### **GENERAL REMARKS**

#### Introduction to Mounting Instruction

Alteration service: Yes				
Staff:	According to curriculum for			
	apprenticeship as a body			
and				
L . I	vehicle mechanic and a			
body	and vahiola construction			
	and vehicle construction mechanic.			

This Mounting Instruction is part of the delivery and an important help for successful mounting. Therefore, it must be available to the mechanic during the mounting works.

Furthermore, the assambly guidelines of the applicable vehicle producers must be obeyed.

#### **Copyright:**

The copyright for this mounting instructions is reserved by TSE Trailer System Engineering GmbH & Co. KG. If you need any further information, do not

hesitate to contact us:

TSE Trailer System Engineering GmbH & Co. KG Bei der Mühle 4

72365 Ratshausen Germany Phone: +49 (0)7427 / 92 33-0 Fax: +49 (0)7427 / 92 33-75 Email: <u>verkauf@tse-trailersystems.de</u> Homepage: www.tse-trailersystems.de

#### Instruction and training support

As an employer, you are obliged to inform and instruct your personnel about existing legal and accident prevention regulations.

The personnel must have understood these instructions, and it must be safeguarded that the instructions are obeyed.

Only in this way you will reach safety and danger awareness of your personnel at work.

#### **Example for training topics**

- 1. About Safety
  - Accident prevention regulations
  - General legislation
  - General safety hints
    - Measures in emergency cases
  - Personal protective equipment
- 2. Maintenance and repair regulations
  - Correct use of cleaning agents and lubricants
  - Special experience of the mechanic in maintenance, repair, cleaning and upkeep of the product



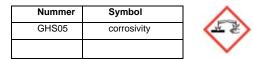


#### Hints

#### Attention:

The surfaces of the TSE modules must not be contaminated with caustic cleaning fluids. Cleaning fluids with the appropriate labeling are aggressive and can cause damage to all component surfaces. These should expressly not be used for gentle cleaning.

1





ATTENTION! Texts with this symbol will warn you against possible mistakes in mounting and, therefore, against potential material damages.



HINT!

Texts with this symbol will give you tips or additional information.



#### TIGHTENING TORQUE!

Texts with this symbol will give you necessary tightening torques.



#### You need holes! Texts with this symbol indicate the setting of holes.

TSE Trailer System Engineering GmbH & Co. KG Anleitungsnummer: 1298152 Dokument: FB45110A



### Safety

#### General

Although our products are in accordance with the state of the art, they may pose a risk if:

#### Safety hints

This safety instruction informs you about the products of TSE Trailer System Engineering GmbH & Co. KG. It contains information about maintenance and repair of the parts and their components. The service instruction has only been written for skilled personnel of qualified and authorized specialized companies in motor vehicle crafts. The service instruction is not applicable for other target groups. We want to support specialized companies with the present mounting instruction during the mounting works with our products.

TSE Trailer System Engineering GmbH & Co. KG accepts no liability for the installation of inapplicable or unreleased parts in their products.

Defects due to wrong handling, aggressive cleaning agents, use of force or subsequent changes of the delivered product or single components of it, as well as non-observance of the safety hints and consequential damages caused thereby, are not covered by our warranty.

Only use unchanged original parts and accessories supplied by the manufacturer.

We do not accept any warranty for the correctness, completeness or currency of the given information.

The contents and information of this mounting instruction are neither a warranty or warranted characteristics within the meaning of German legislation, respectively the German Civil Code (Bürgerliches Gesetzbuch (BGB)), nor can they be interpreted as such.

No claims can be derived from provision of information, recommendation or consulting. Liability for damages is generally excluded as far as we are not responsible in the sense of intent or gross negligence, or as far as this does not contradict mandatory legal provisions.

- they are mounted by unskilled personnel
- o they are maintained improperly

Texts and graphics are subject to our rights of use; copy rights or right of distribution in any form require our agreement.

Mentioned brand names, even if they are not marked as such in every case, are still subject to the regulations of the trade mark law. If any disputes of legal nature occur from applying information found in this mounting instruction, they shall solely be subject to the regulations of German law.

The Amtsgericht Stuttgart (Local Court in Stuttgart) is deemed to be agreed on as place of jurisdiction. If some clauses of this declaration about limitation of liability do not or no longer comply with the applicable legal provisions, the validity of the other clauses shall remain unaffected thereof. Read the information in this mounting instruction carefully. Especially, obey the hints for your own safety.

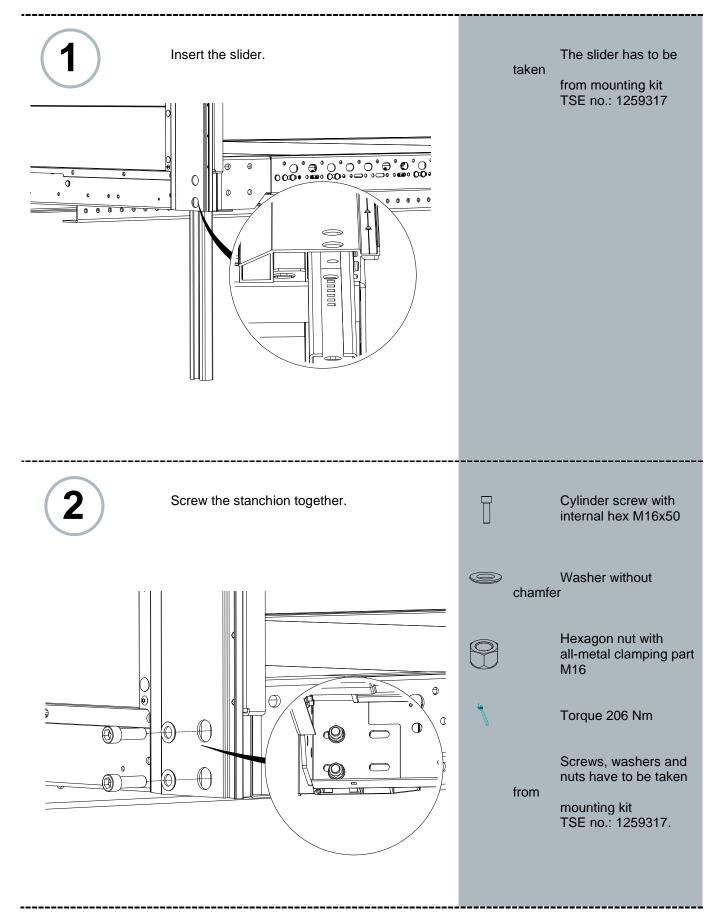
All technical information, descriptions and pictures shall be valid from the day of their printing - respectively the day of any supplements hereto - on. We reserve the right to make changes due to steady further development. No claims can be derived from applications and explanations of this publication.

Safety hints for the technician: Unauthorized people are not allowed to enter the vehicle and the area around it. Your working area should be in good order. Only works which you are commissioned and acquainted with have to be executed. Increased caution is advisable in dangerous areas.

Obey the producer's information and safety hints for the applicable product when you deal with operation materials (oils, grease etc.). Only applicable lifting devices may be used.

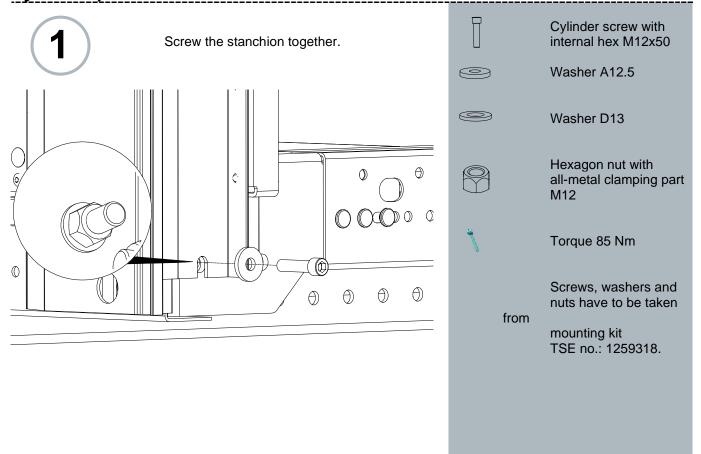


# Mounting of stanchion and slider front wall IV



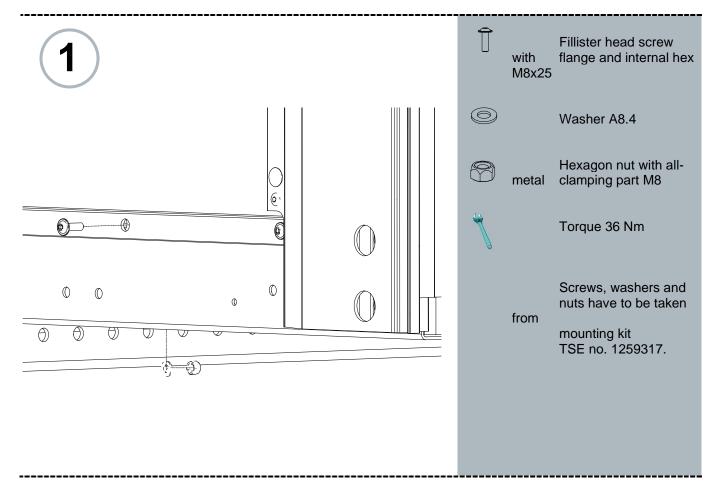


# Mounting of stanchion part II (only in connection with lifting systems)



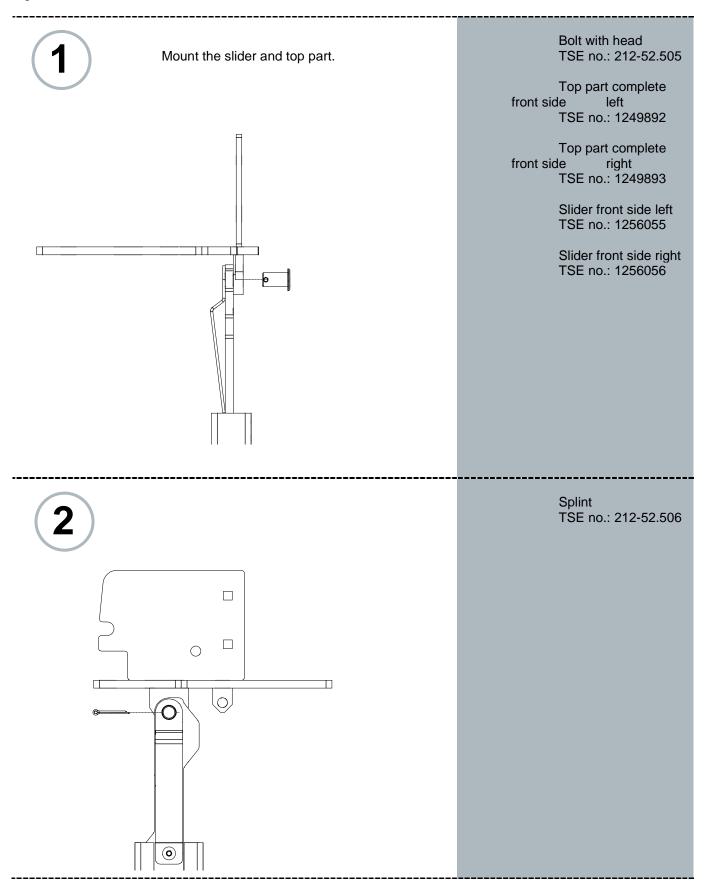


## Fixation of front wall IV with the end profile downside



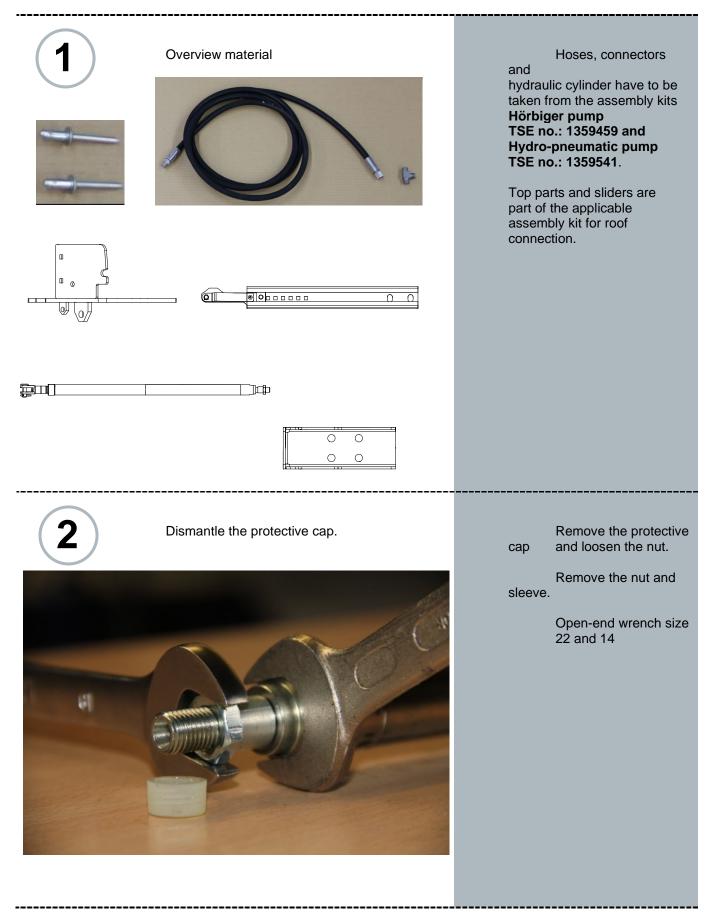


# Mounting of sliders and top parts upside for standard and lifting system front wall IV

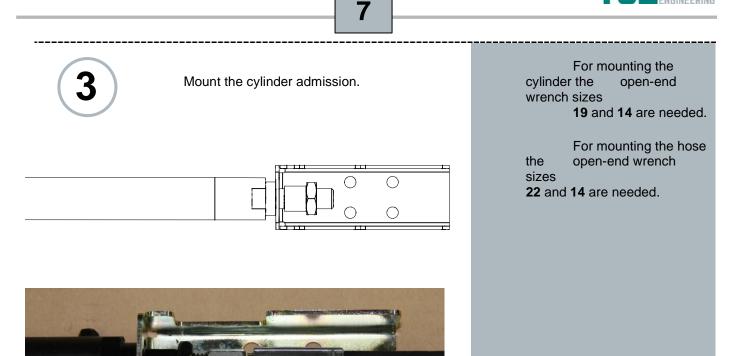


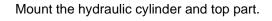


# Mounting of the central hydraulics









 $\square$ 

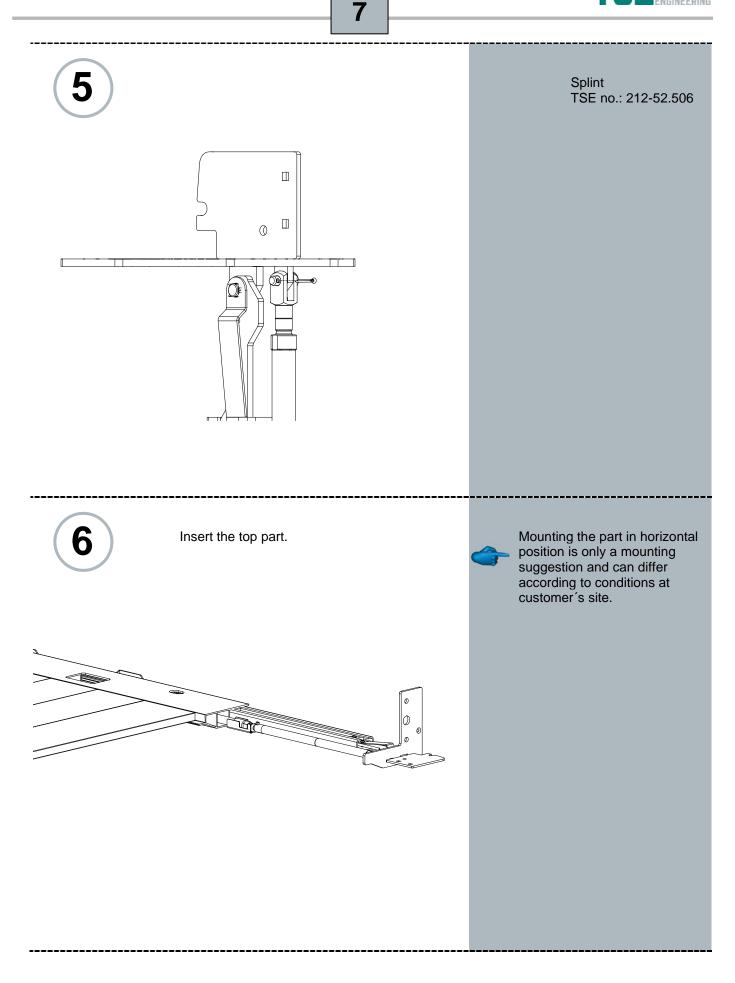
0

 $\widehat{\mathbb{O}}$ 

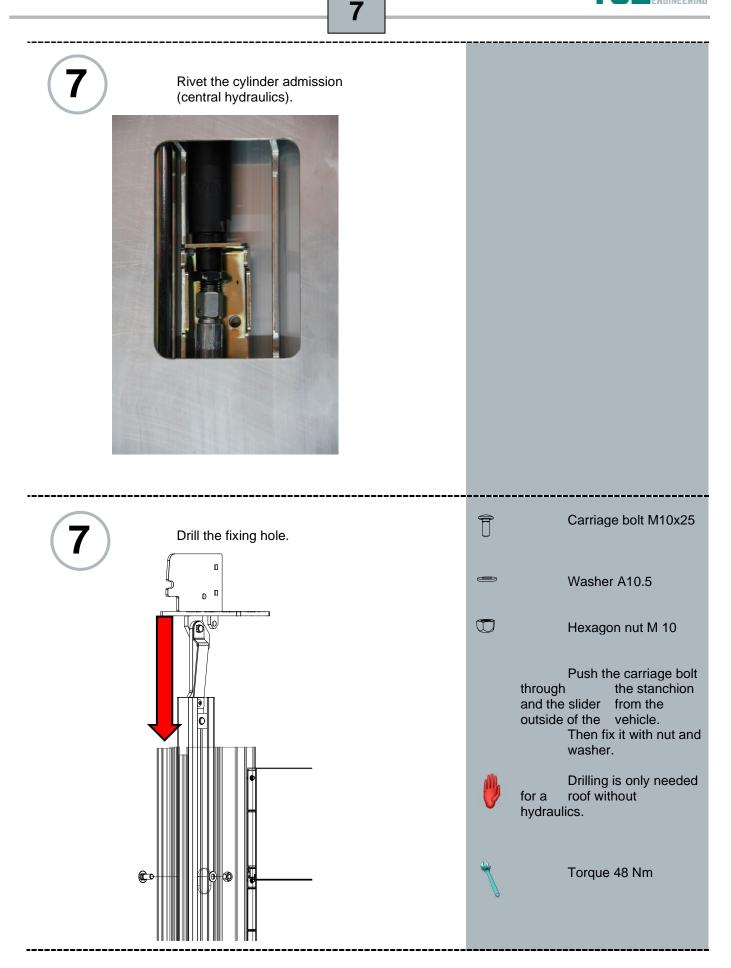
\_\_\_\_ @\_\_\_) Splint bolt TSE no.: 1118887

Δ











# Mounting of hydraulics aggregate with hand pump

8



The mounting depends on the type of vehicle.



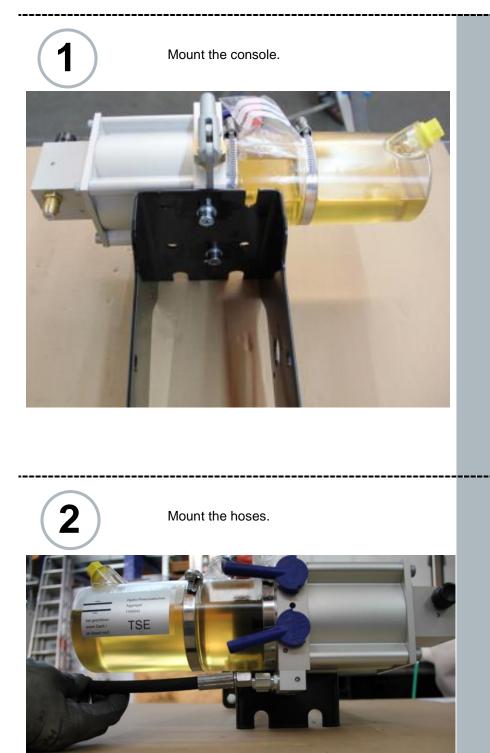
Mount the hoses.





# Mounting of the Hydro-pneumatic pump

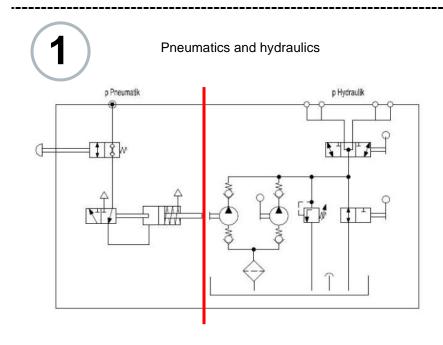
9



The mounting depends on the type of vehicle.

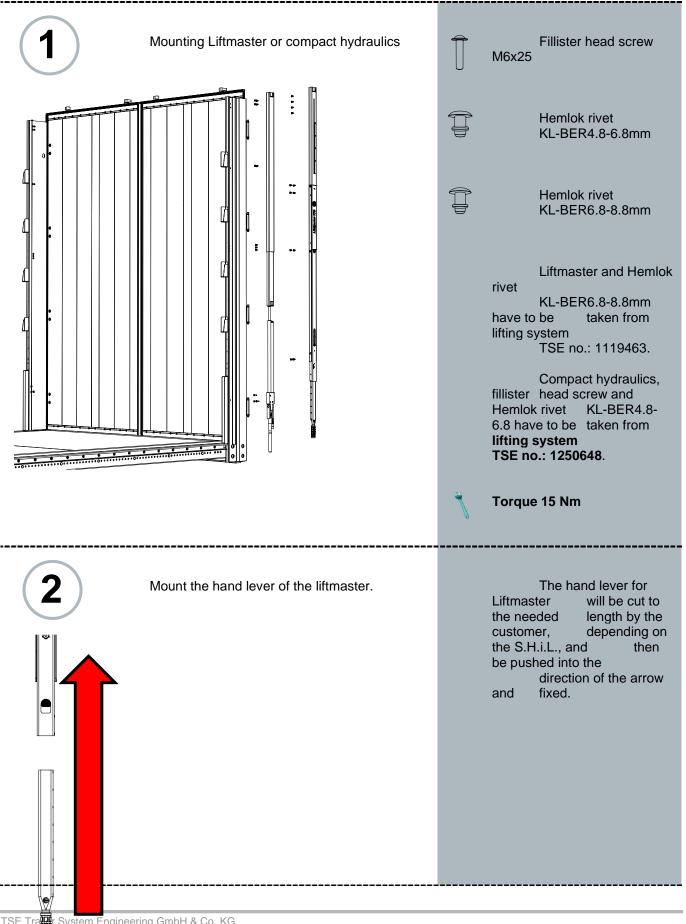


# Circuit diagram

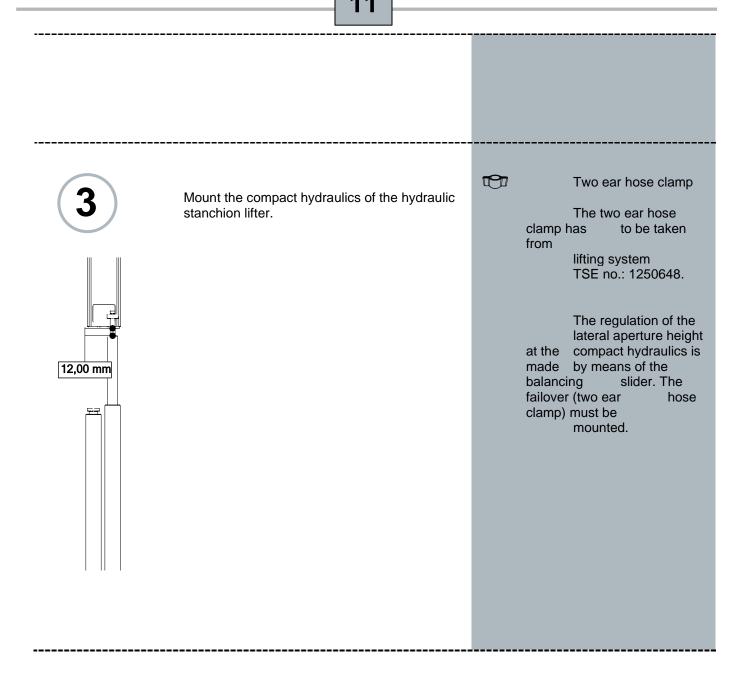




### Mounting of Liftmaster and compact hydraulics for front wall IV

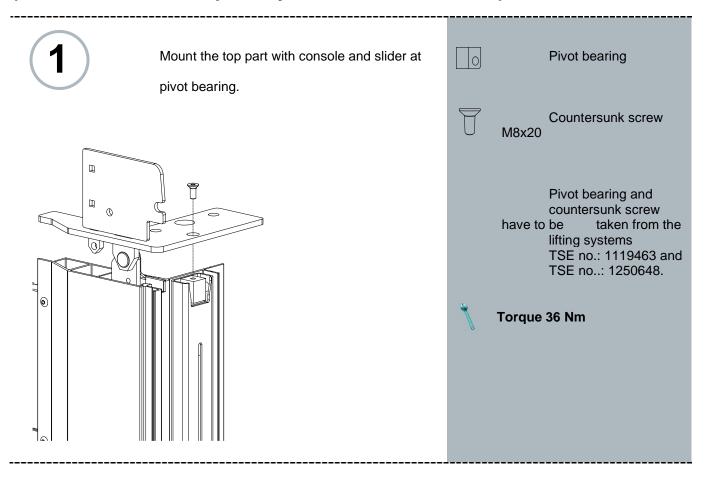






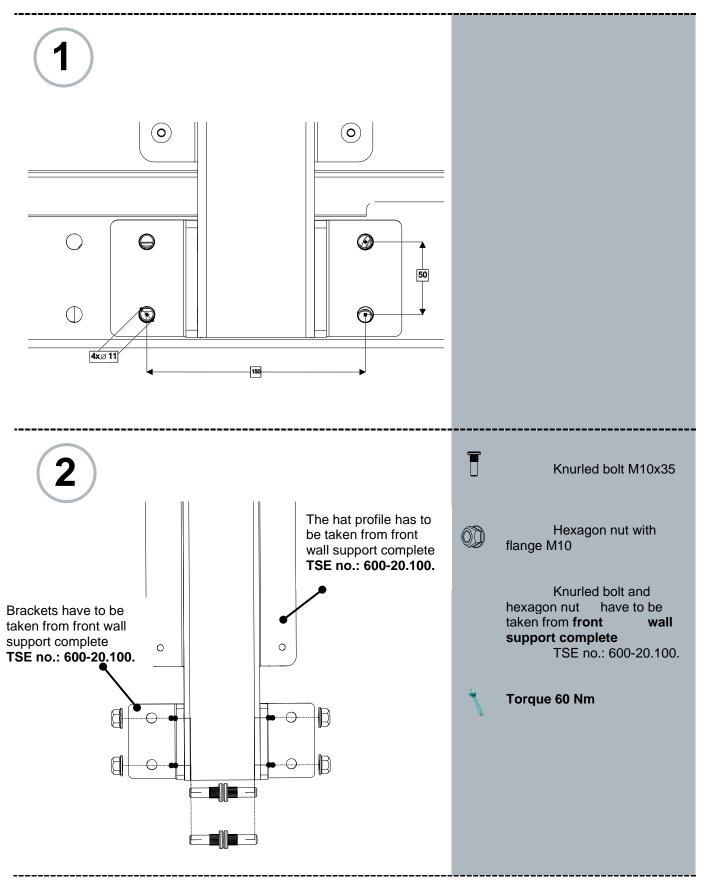


#### Mounting of top parts with sliders upside (Liftmaster and compact hydraulics front wall IV)

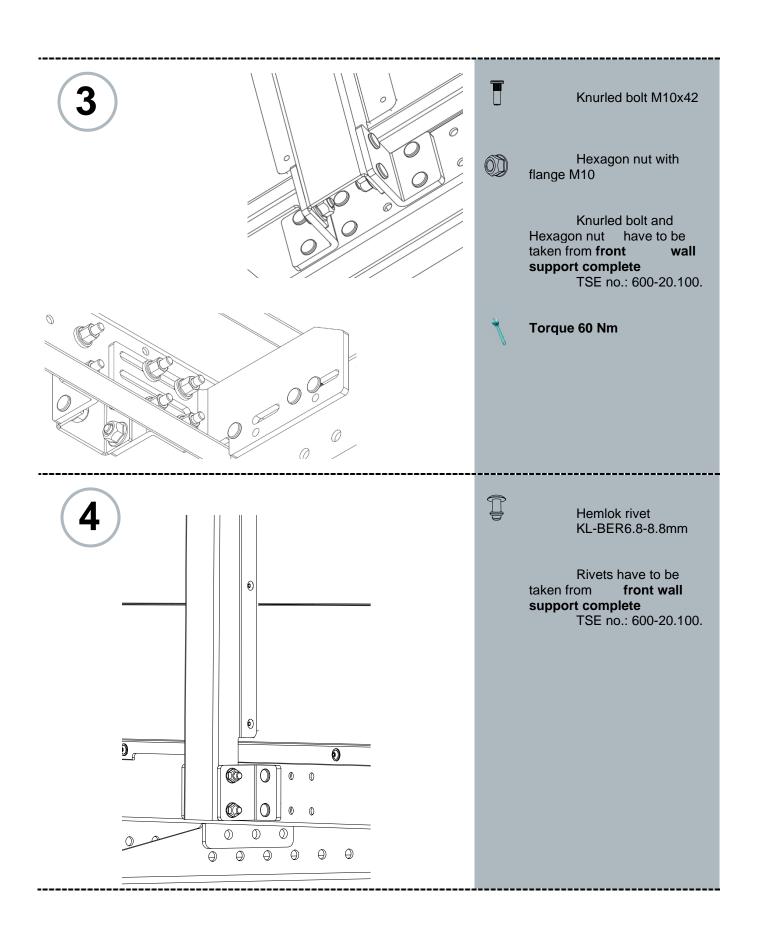




# Mounting of front wall supports (optional)

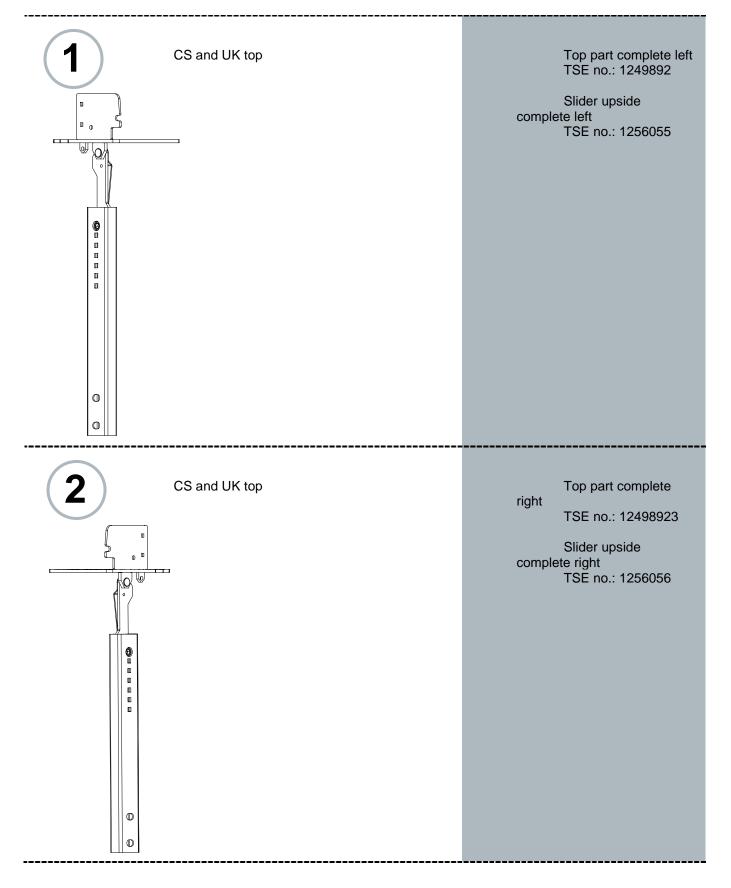




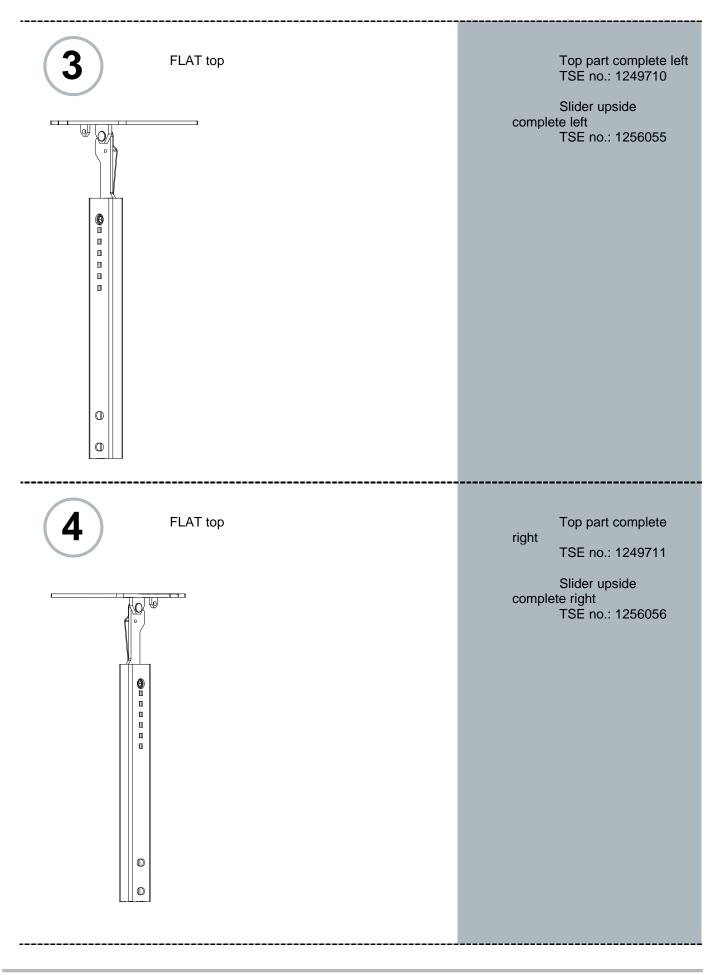




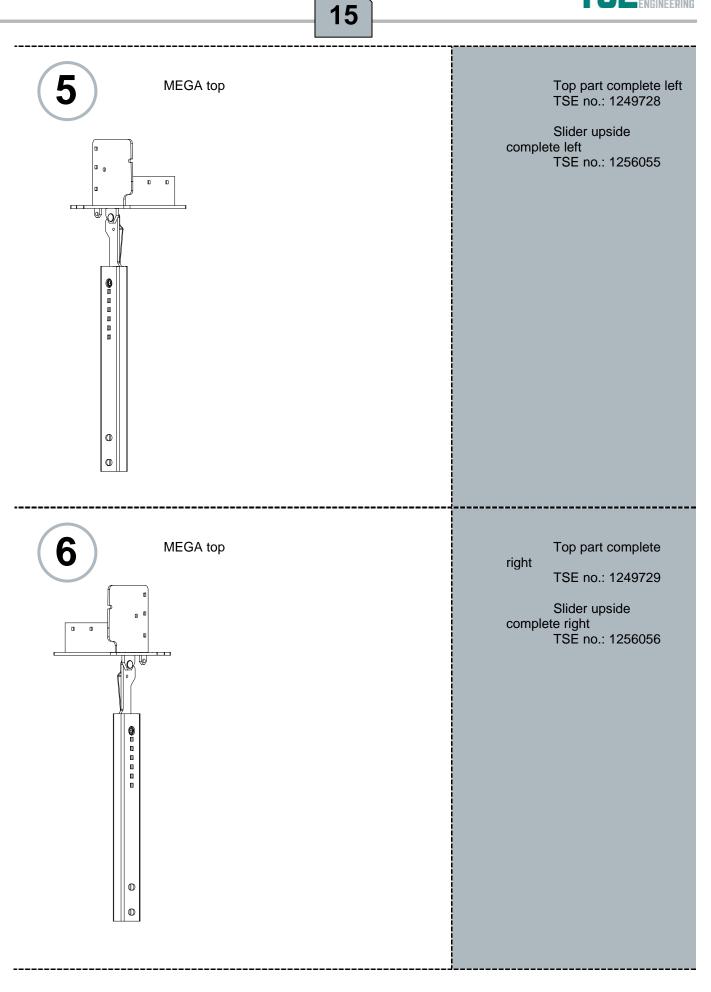
# Annexes Total overviews of top parts / sliders front wall IV



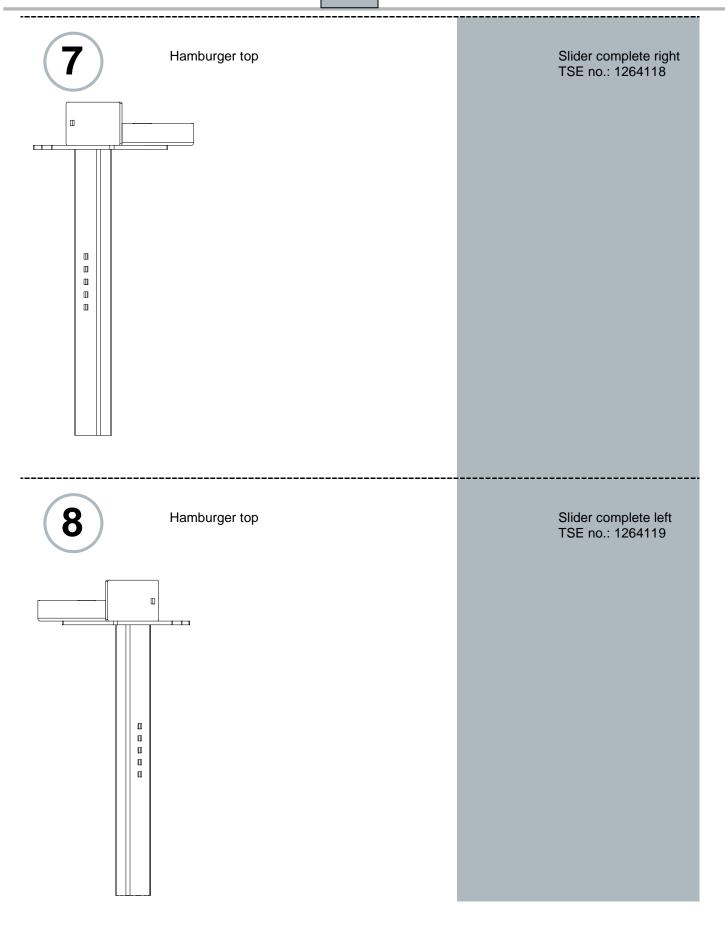










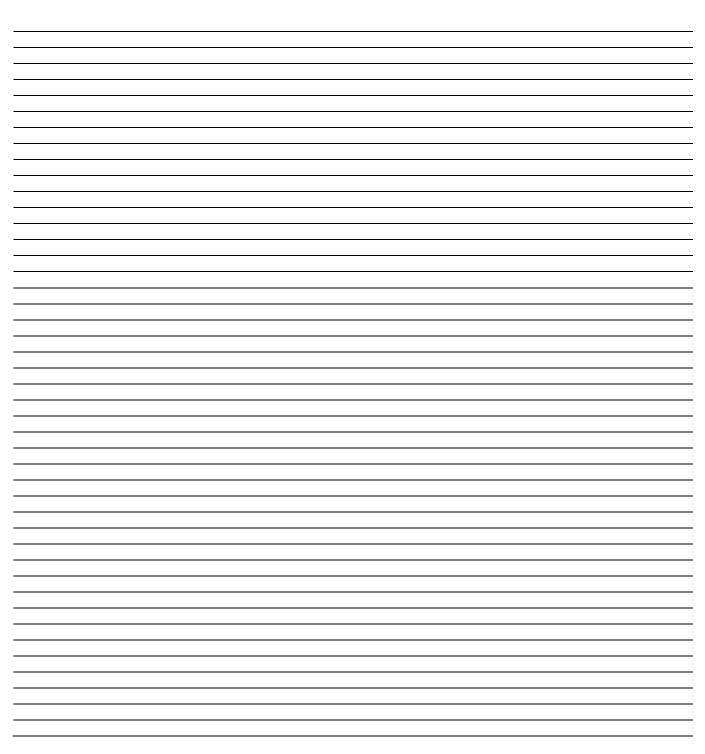


15

Document: FB45110A



#### Notes





#### **Revision levels**

<b>Revisions level</b>	Kind of change	Date	Name
00	New creation of mounting instruction	25. Sept 2018	Laib / Maier
01	The safety hints have been supplemented	18. July 2019	Maier
02	Corrected tightening torques	29 September 2020	Boll
03	Page 22, Picture 3, changed	14.10.2020	Boll
04	Page 4 changed	23.11.2020	Boll

Erstellt	Geprüft und Freigegeben
Datum:	Datum: 29.09.2020
Name/Abt.	Name/Abt. U.Boll
Unterschrift	
Dokument: FB45120A	