

Installation Instructions

KONE ADE

with

door dperator

TSG

Documentation history

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1 Essential information

1.1 Value of assembly instructions

The product assembly instructions are provided by the manufacturer or supplier to provide the information required by the customer or fitter to ensure proper, safe and reliable assembly. These brief assembly instructions serve to clarify the basic steps of mechanical assembly. The electrical connection, commissioning and settings of the TSG are explicitly not part of these instructions.

1.2 Copyright protection

We reserve all rights for this technical documentation. It may not be duplicated, made accessible to third parties or otherwise used in an unauthorised manner without our prior consent. Any changes require our explicit and prior written consent.

1.3 Instructions in the assembly manual

All instructions in the assembly manual must be followed without exception.

1.4 Informal activities performed by the fitter

The system fitter is personally responsible for participating in a training course. He or she must inform the manufacturer/supplier without delay of any missing or defective parts in the delivery.

1.5 Requirements for assembly personnel



Persons responsible for installation and maintenance must be instructed regarding generally applicable safety and labour health requirements. They must be familiar with Langer&Laumann products. Installation tools must be fully functional and measuring instruments must be subject to continuous monitoring.

2 Measure

Replacement of the KONE ADE drive with a  **Langer & Laumann Ing. Büro GmbH TSG door drive.**

The aim of the conversion is replace the existing KONE drive by a TSG drive. The mechanics will be retained.

3 Advantages

- Very economical package.
- Easy and quick replacement of a defective Jaguar controller and motor against a TSG from  **Langer & Laumann Ing. Büro GmbH .**
- **Just a few** mechanical attachments are required.
- All necessary parts are included with delivery.
- The conversion is **very quick** and **easy** to perform.
- The electrical wiring can also be performed by **less experienced fitters**.
- **No hand-held** terminal is required for setting parameters. All parameters can easily be adjusted on the device.
- **Measurements are very easy** to perform.
- The conversion kit is available from  **Langer & Laumann Ing. Büro GmbH** as **warehouse inventory**.

4 Tools required

Open-end wrench 10, 13, 17, 19
Socked wrench 8, 10
Set of allen wrench
Screwdriver
Side cutter

5 Conversion instructions

**HINWEIS:**

The order of installation listed here is only a recommendation.
There is no demand of completeness.

**HINWEIS:**

The instruction describes the conversion of a central telescoped opening door. In a telescoping right or left opening door, the material is installed in accordance with.

1. Dismantling of the existing KONE ADE drive and the Sinus lever. The fundamental mechanic will be retained. If there is a transmission between a fast and a slow door panel, that must be preserved.
2. Installation of the TSG drive at universal bracket (see Fig. 5: TSG in KONE ADE: TSG drive at universal bracket / page 9)
3. Installation of the TSG double wrap sheave with clamping station at universal bracket (see Fig. 6: TSG in KONE ADE: TSG guide pulley on universal bracket/ page 10).
4. Installation of the leaf carrier at the fast door leaf and also the TSG timing belt joint at the TSG door leaf carrier.
5. Installation of the TSG drive unit and the unit of the counter roller at the machine door.
6. Replacing the TSG toothed belt. The toothed belt clamp must be placed on the height of the toothed belt or sprockets (alignment). Toothed belt stretching with help of the TSG counter roller support.
7. Attachment of end stops respectively bumper. The door leaf carrier must be able to reach the end stops, if the door is complete closed respectively opened (see Fig. 7: TSG in KONE ADE: centered buffer holder in central opening machine **door** / page 10).
8. Control of the drive way.
9. Measuring of the TSG electronic. It should be noted that in both cases - in the open and in the closed position - a fixed stop is present. For further commissioning and electrical connection is made at this point out to the manual of the TSG.

6 Illustrations



Fig. 1: KONE ADE original (here: telescoping right)



Fig. 2: KONE ADE original (here: telescoping left)

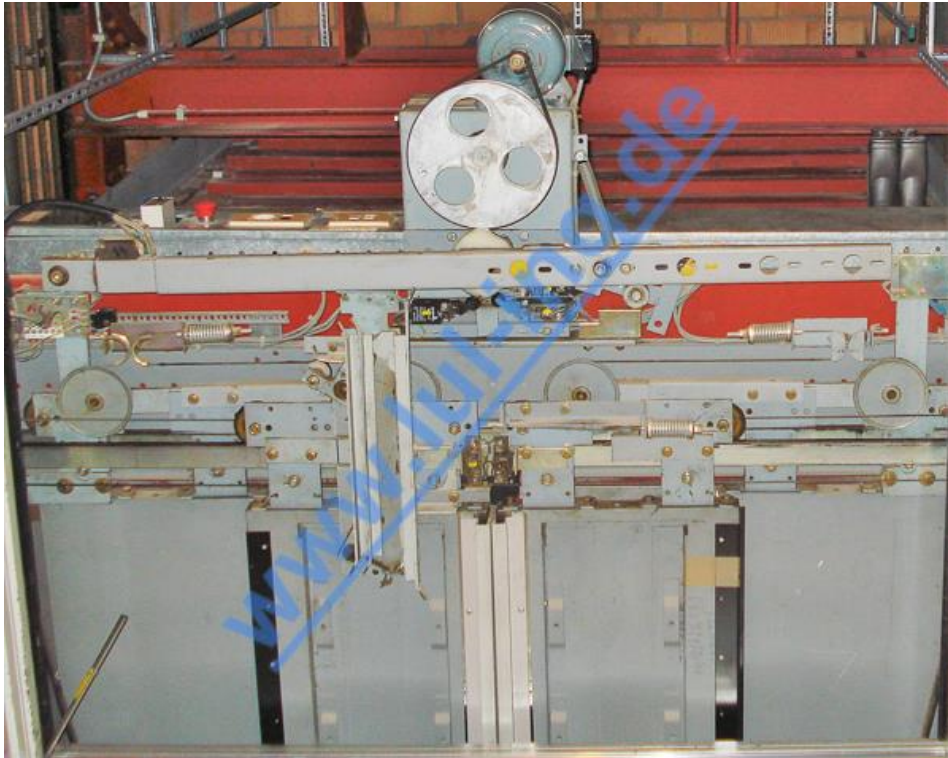


Fig. 3: KONE ADE original (here: central telescoping)

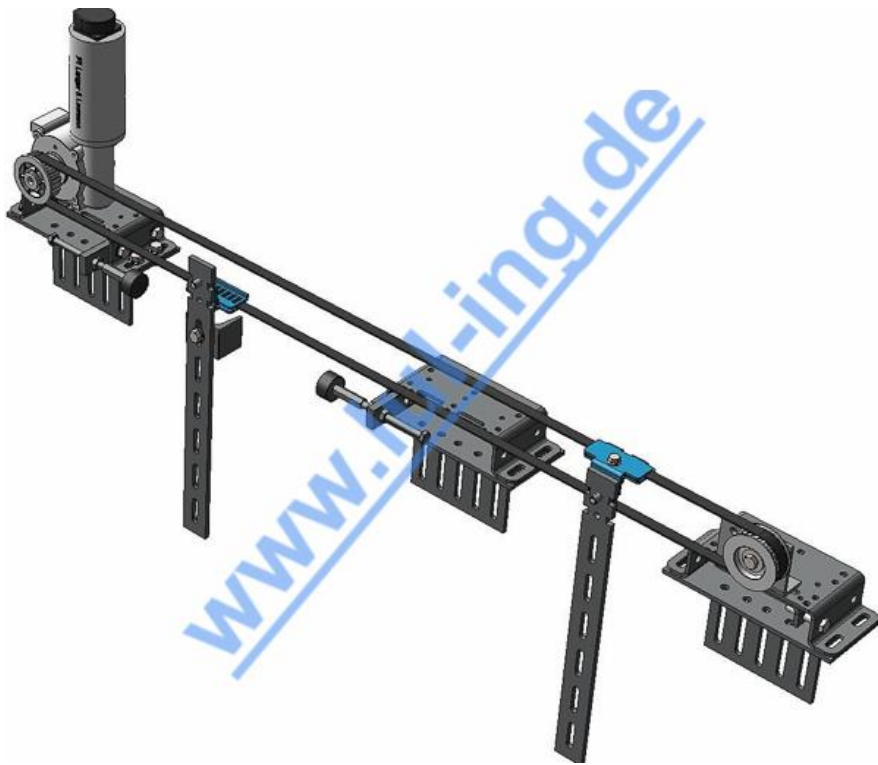


Fig. 4: TSG in KONE ADE: center version, assembly

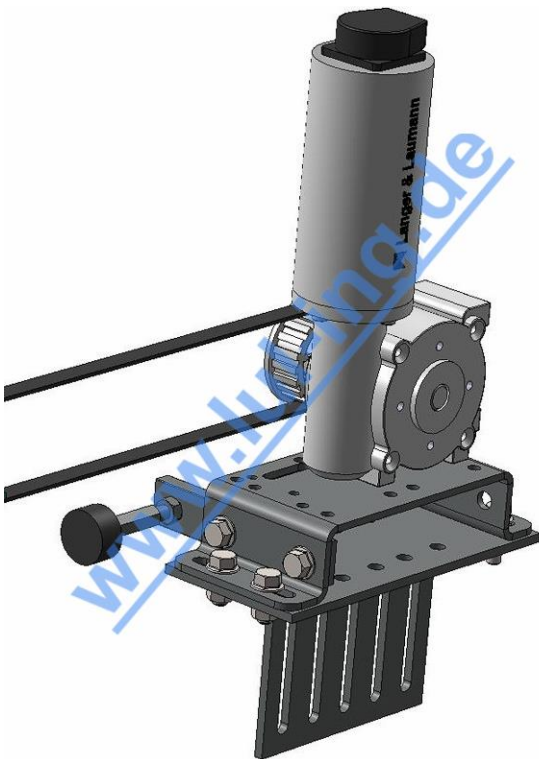


Fig. 5: TSG in KONE ADE: TSG drive at universal bracket

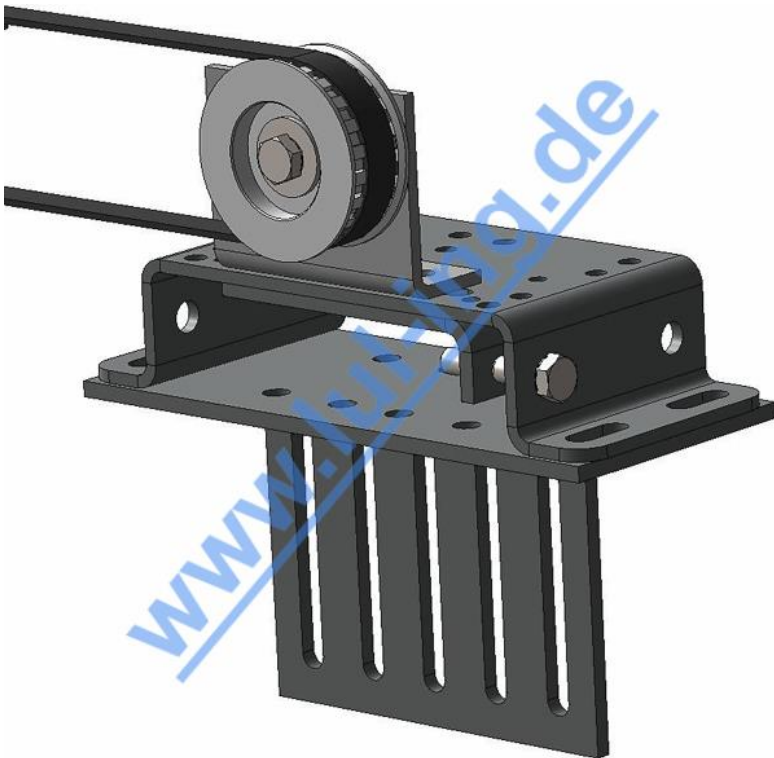


Fig. 6: TSG in KONE ADE: TSG guide pulley on universal bracket

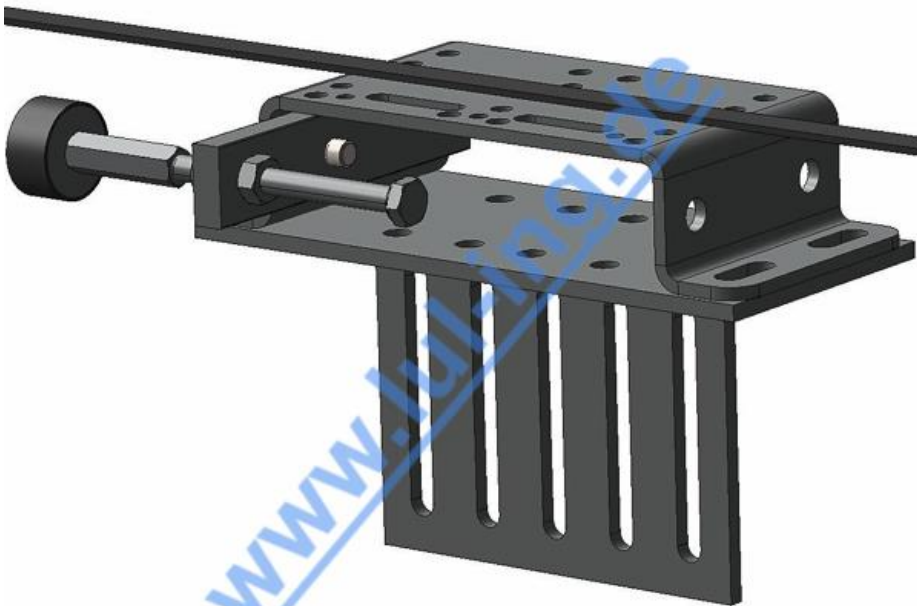


Fig. 7: TSG in KONE ADE: centered buffer holder in central opening machine door

7 Contact

For questions and/or obscurities we can be reached at the following address:

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