



Assembly Instructions



MBB R 1500 SH – MBB R 2000 LH & MBB R 750 LM – MBB R 2000 LM

Types acc to:
96-522.99

(former: KUZF/BDF, KUZFM)

1. Checking before assembly

1. Have the items been delivered according to your order?
2. Does the tail lift's operating voltage correspond to that of the vehicle?
3. Is the vehicle suitable for mounting the tail lift?
4. Are the assembly drawing and the special installation drawing for the tail lift type KUZF available?
5. Have you cross-checked all dimensions in the assembly and installation drawings with the actual vehicle dimensions and are all dimensions correct?
6. When folding out the platform, is there enough free space to the towing coupling or vehicle tail?
7. Do you intend to install a false floor (raised wear floor)? If yes, install the platform in a higher position.
8. When using a truck with a trailer, make sure that the trailer's drawbar can move freely.
9. Always adhere to the vehicle manufacturer's assembly instructions.

Preparatory work on the vehicle chassis

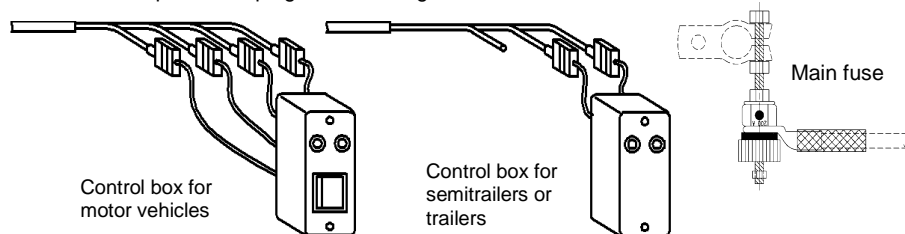
If required, install an auxiliary frame. See the vehicle manufacturer's assembly instructions.
If required, prepare and reinforce cutouts for the lifting device according to the assembly drawing.
Make sure there is sufficient free space for the overall travel of the entire tail lift; check the frame width including the assembly width of the guide rails.

Note

Special tools like assembly devices, coil testers, pressure gauges etc. are available from **PALFINGER Tail Lifts** on request.

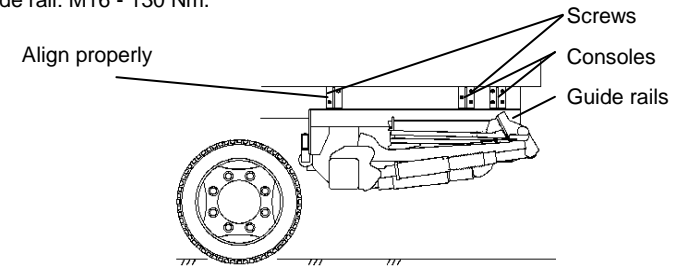
3. Installing the electrical system

1. Use the corresponding circuit diagram (accommodated in the sealing cap) and follow the vehicle manufacturer's installation instructions.
2. Fix the fuse in the battery box at the battery positive terminal to protect it against water and make them easily accessible.
3. Run the battery cable to the battery, shorten it if required and connect the cable lug to the free connection at the fuse. Connect the ground cable to the battery negative terminal.
4. Run the cable for the control box to the driver's cab. In the driver's cab, select the appropriate place at the instrument panel, establish an electrical connection according to the circuit diagram and attach the control box.
5. If a switch-on unit (7-pin VEHH plug) is already provided on the vehicle side: connect the 7-pin VEHH plug to the rear right chassis end.



2. Assembling the tail lift

1. Measure the width of the vehicle chassis frame to see if the width matches the clearance between the guide rails and the adjustable clearance between the sliding consoles.
2. Drill appropriate bores in the consoles and screw the consoles to the guide rails as seen in the installation drawings. Provide for proper alignment with the vehicle chassis frame. Attach the consoles with 18 screws or 8 consoles with 22 screws as seen in the diagram. Required torques for screws - consoles: M14 - 120Nm and M16 - 150Nm.
3. Lift up the tail lift until reaching the consoles using the appropriate hoist and slightly screw the consoles to the guide rail retainer. Adjust the tail lift as specified in the assembly drawing using a mounting lever. Tighten the screws with the appropriate fastening torque. Required torques for screws - guide rail: M16 - 130 Nm.



4. Adjusting and mounting prior to commissioning

1. Adapt the operating panel and power chain to the vehicle requirements.
2. Check that all cables have been laid and connected properly.
3. Read the operating instructions and put the tail lift into operation.
4. Rivet warning flags to the stationary part.
5. Extend the tail lift by 500mm, dismantle the guide rail covers from the rear end of the guide rails and remove the parallel strut. Remove the strut holders from the guide rails. Re-mount the guide rail covers.
6. Lift, lower, fold in and fold out the platform several times in order to deaerate the cylinders.
7. Check the oil level with lowered platform and check that all screw connections made according to the **PALFINGER Tail Lifts** assembly drawing are tight. Perform an acceptance test according to the **PALFINGER Tail Lifts** test data booklet and record the test results in the test data booklet.

5. Installing and adjusting the holding position for swap trailers

The travel path can be limited by a proximity switch at the console to ensure that the lifted platform is flush with the swap trailer.
Proceed as described in the operating instructions when adjusting.
It is possible to install one switching lug for each swap trailer of different length.