Assembly Instructions



MBB R 750 S – MBB R 2500 S not pre-assembled

(former: retractable not pre-assembled)



Types acc. to: 96-522.99

1. Checking before assembly		<u>2.</u>	2. Assembling the tail lift	
1.	Have the items been delivered according to your order?	1	Measure the width of the vehicle chassis frame to see if the width matches the clearance between	
2.	Does the tail lift's operating voltage correspond to that of the vehicle?	••	the quide rails and the adjustable clearance between the sliding consoles	
3.	Is the vehicle suitable for mounting the tail lift?	2	When mounting between the vehicle chassis frames, assemble and reinforce sufficiently	
4.	Are the assembly drawing and the special installation drawing for this tail lift type available?		dimensioned cross members.	
5.	Have you cross-checked all dimensions in the assembly and installation drawings with the actual		CAUTION! These members carry the entire tail lift, including the payload.	
	vehicle dimensions and are all dimensions correct?	3.	Place the guide rails acc. to the special installation drawings in parallel with the vehicle chassis frame	
6.	when folding out the platform, is there enough free space to the towing coupling or vehicle tail?		and in the same vehicle depth, using auxiliary tools (e.g. square timber, c-clamps, etc.); distribute 3	
7.	Do you intend to install a faise floor (raised wear floor)? If yes, install the platform in a higher position.		consoles per guide rail depending on the local requirements and the assembly drawing; position	
8.	When using a truck with a trailer, make sure that the trailer's drawbar can move freely.	4	bores depending on the local requirements; observe the drill pattern and drill all bores in the console.	
9.	Always adhere to the vehicle manufacturer's assembly instructions.	4.	Accurately align the guide rails.	
	PREPARATORY WORK ON THE VEHICLE CHASSIS	5.	Accurately align the guide rails, pay special alternion to parallelism, vehicle depth and mounting	
	If required, install an auxiliary frame. See the vehicle manufacturer's assembly instructions.	6.	Drill holes in the vehicle chassis frame, fasten all delivered screws with the specified fastening torque	
	If required, prepare and reinforce cut-outs for the lifting device according to the assembly drawing.	0.	and mount the dowel pins	
	Make sure there is sufficient free space for the overall travel of the entire tail lift; check the frame	7.	Apply paint lubricant to the guide rails' inside.	
	wath including the assembly wath of the guide rails.	8.	Follow the instructions under items 9, 10 and 11 for loose sliding consoles. For welded sliding	
	NOTE!		consoles (e.g. KUZK) proceed as described under item 12.	
	PALFINGER Tail Lifts on request.	9.	Acc. to the installation drawing, move the sliding consoles with web towards the inside along the	
3.	Installing the electrical system	10.	Use the appropriate hoist to position the tail lift under the vehicle tail and fit it into the sliding consoles	
1.	Refer to the corresponding circuit diagram (accommodated in the operating panel) and follow the	_	from the bottom side. Align the tail lift laterally with the vehicle and in parallel with the vehicle chassis	
	vehicle manufacturer's assembly instructions.		frame. Push against the dowel pin via the sliding consoles and tack weld the support tube without	
2.	Run the battery cable, mass cable, end switch and cable for control box under the vehicle platform		gap to the sliding consoles.	
	in such a way they can be fastened in this place without kinking and that a sufficiently long loop is	11.	Displace the hydraulic unit according to the instruction plate in such a way, that it cannot be affected	
	formed when the tail lift is extended and retracted.		by welding. Weld both consoles and the support tube according to the welding specifications.	
3.	Run the battery cable to the battery, shorten it if required and install the cable lug.	12.	Assemble the guide cylinder with cylinder cup as specified in the assembly drawing.	
4.	Assemble the main fuse with the cable lug and connect it to the battery positive terminal.	13.	According to the special installation drawing, place the assembled cylinder cup at the support tube as	
э.	Run the control box cable to the driver's cab. In the driver's cab, select the appropriate place at the		centrally as possible, align and tack weld.	
	control box	14.	Cut the cross member to the appropriate length, bolt it to the retracted guide cylinder and place it	
6	If a control box already exists in the vehicle connect the tail lift acc to the additional circuit diagram	15	according to the local conditions.	
0.	If pecessary, order this circuit diagram from PALEINGER Tail Lifts .	15.	Mount the closs member to the vehicle chassis frame and weld all weld joints.	
	Control box for		Cross member Dowel nin Cable bundle Mass Guide rail Console Clamping niece	
	motor vehicles Semitrailers or trailers Main fuse			
1_			Parallel with	
7.	Establish a ground connection according to the vehicle manufacturer's assembly instructions.		vehicle	
8.	CAUTION: For DGRTR vehicles, connect the ground cable to the battery or according to the vehicle		chassis frame	
	manufacturer's assembly instructions.			
9.	Fastan the operating panel with screws or weld it acc. to the assembly drawing			
10.	When installing the hand cable control observe the following: Install the cable with terminal		+	
'''	box under the truck platform in such a way that the cable can be connected to the band cable			
	control from there. Connect the hand cable control cable to the terminal box as specified in th			
	circuit diagram. Select a suitable, safe accommodation for the hand cable control.			
12.	The hand cable control may be operated from the marked position on the platform, only.		Sliding console Support tube Guide cyl. w. cyl. cup Stop buffer	

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4. Mounting the platform and adjusting the tilt cylinder

- 1. Remove the screw plug of the oil reservoir and replace it with the attached air filter.
- 2. Fully extend the tail lift and move up the lift arm to the extent required to mount the platform. In order to be able to move (lift, lower, displace, etc.) the platform, hold down the tilt sensor b15 with the cable vertically (not required with Basic control unit).
- 3. Use the appropriate hoist and place the platform in such a way that first only the lift arm can be bolted to the platform.
- 4. Retract the tilt cylinders until reaching the stop and check if their lengths are equal in the retracted state. If required, turn the rod head to adjust the lengths.
- 5. First set one tilt cylinder to a length that allows you to easily bolt it to the platform, then bolt the second tilt cylinder.
- 6. Attach the tilt sensor b15 or b16 to the platform on the right-hand side as shown.
- 7. Fasten both counter nuts with the fastening torque specified in the assembly drawing.
- 8. Attach the two stop buffers to the vehicle chassis frame in such a way that the tail lift can be operated without any obstructions and the platform can be moved against the stop buffer when the vehicle is in its driving position.
- 9. If required, shorten the guide rails to ensure that:
 - trailer operation is possible without any limitations.
 - the platform can be folded in and out even with loaded vehicle.
 - the platform reaches the vehicle's load area.
 - there is enough space to the towing coupling to avoid collisions.
 - When shortening the guide rails, make sure that the clamping pieces are re-placed in any case.



5. Adjusting and mounting prior to commissioning

- If required, take the three connectors for foot control and Warnfix out of the platform, connect them to the connectors coming from the lift arm (green with yellow cable, black with black and connectors marked with cable binders), return the connectors connected in this way to the platform and install the strain relief.
- 2. Check that all cables have been laid and connected properly.
- 3. Read the operating instructions and put the tail lift into operation.
- 4. Fold out the platform, lower it until reaching a level of approx. 250 mm above ground and set the switch b13 at the right torsion lift arm to its horizontal position. For this purpose, undo the switch fastening screw and, after setup, re-fasten them tightly. After the setup, fold back the locking plate. With tilt sensor b15 instead of b13 this adjustment is not required.



8. With proximity sensor b16 adjust the platform's horizontal position on the ground if required by turning the tilt sensor accordingly.

Proximity

switch