

Assembly and operating instructions

Rothewald 

Rothewald® hydraulic motorcycle hoist, order no. 10059174



i Please read these assembly and operating instructions **BEFORE** unpacking the hydraulic hoist from the wooden crate and assembling it!

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We would like to congratulate you on purchasing the hydraulic motorcycle hoist for two-wheelers by Rothewald. This hydraulic lifting platform features a bearing capacity of 400 kg max. The motorcycle hoist can be adjusted to the desired working height by means of the hydraulic cylinder and can be locked in two positions at this height. There is a removable rear drop panel for dismantling the rear wheel, if required. The motor-cycle hoist disposes wheels for manoeuvring.

It is preassembled and delivered in a wooden crate. The total weight of the hoisting platform is approx. 135 kg.

Please thoroughly and completely read the following safety and operating information, before assembling the hoisting platform and using it for the first time, in order to assure a safe handling and to maintain its good condition.

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1. Technical specifications

Order no.:	10059174
Hoisting platform length:	approx. 220 cm, including loading ramp approx. 253 cm
Hoisting platform width:	approx. 68 cm
Hoisting platform height:	retracted approx. 17 cm, extended approx. 78 cm
Dead weight:	approx. 135 kg
Loading capacity:	max. 400 kg

2. Unpacking the motorcycle hoist

At least 2 people are necessary for unpacking and assembling the hoist. They require sufficient space and an impassible, capable, even, horizontal and clean surface for removing the

hoisting platform from the wooden crate, for completing the assembly and putting it into operation. Please keep in mind that a tiled garage floor e.g. could be damaged by the weight of the hoisting platform, the wheels and the loading ramp. Wear work gloves during unpacking and assembling. Please keep in mind that the crate is secured by nails which pose a risk of injury when it is dismantled. Carefully cut the steel strapping with a side cutter first. Please remember that the strapping is tensioned and could be sharp-edged. Risk of injury! Subsequently pry open the nailed lid of the crate with an crowbar. Remove the rear end wall (on the side with the base plate in the hoisting platform), so that the platform can be rolled out of the crate. Do not dispose the crate, until you have put the hoisting platform into operation and made sure that it is functioning properly. Subsequently bend all protruding nails for reasons of safety, in order to make sure that they are no longer a risk of injury.

3. Final assembly of the hoisting platform

In order to complete the assembly, please proceed as follows: Attach the long foot pedal for lifting the hoisting platform to the thick shaft, and the shorter foot pedal for lowering to the thinner shaft on the base. Now use the foot pedal to slightly lift the working platform and secure it with the fastening bolt in the first locking position. Lower the motorcycle hoist until it is seated on the fastening bolt. Then attach the protective plate for the lowering foot pedal to the frame with two M8x20 bolts, washers and nuts. The protective plate will prevent you from accidentally touching the foot pedal while working, which would lead to unintentional lowering of the working platform. Now you can also attach the loading ramp to its mounting holes at the end of the working platform and secure it with the cotter pins.

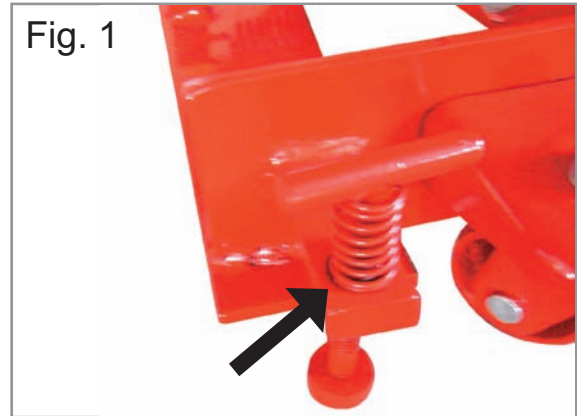
Attach the four U-shaped tie down anchors to the desired positions using two M6 nuts each above and two beneath the working platform.

If required, attach the front wheel clamp to the working platform with the enclosed M10x25 bolts, washers and nuts (adjustable, depending on the vehicle length). The front wheel clamp should only be used as additional securing. Before applying the clamp, check whether it could come up against the brake discs of the front wheel or other parts of the vehicle. Before placing your vehicle on the hoisting platform, make sure that all screws and all other connections have been correctly assembled and tightened. Finally slightly lift the hoisting platform with the foot pedal, in order to release the fastening bolt. Extract the fastening bolt and activate the lowering pedal, until the working platform is completely lowered.

Air might have penetrated into the hydraulic system during transportation, which could affect the functioning of the hoisting platform. In order to ventilate the system, make sure that the air-vent screw on the hydraulic cylinder is tightened than completely extend the hoisting platform by stepping on the foot pedal. Subsequently open the air-vent screw by approx. one turn and completely lower the motorcycle hoist with the lowering pedal. Air within the system will then gush out. Finally remove the rear drop panel and close the air-vent screw again. Before using the hoisting platform for the first time, examine the hydraulic jack for oil or air leaks and make sure that the hoisting mechanism is functioning without any problems. Immediately lower the hoisting platform, if you discover a malfunction.

4. Use of the hoisting platform

Before placing a vehicle on the hoisting platform, make sure that the motorcycle hoist is positioned on a safe, even, horizontal and capable surface in the desired working environment, and secured it against rolling with the retaining screws (see fig. 1). Also make sure that all bolts and nuts have been tightened.



If applicable, protect the floor against scratches and damages caused by the loading ramp, the wheels and the retaining screws. Please keep in mind that a tiled garage floor e.g. could be damaged by the weight of the motorcycle hoist, the wheels and the loading ramp. Completely lower the hoisting platform, before placing a vehicle – an assistant must be present.

Make sure that the motorcycle hoist and especially the working platform and the pedals are not exposed to oil, grease or other greasy and slippery substances. Always push the vehicle onto the cleaned working platform in forward direction. Jack it up with the centre stand or with a suitable motorcycle lifter. Attach it to the four tie-down anchors with tie-down belts (not included in the delivery, please order separately), in order to secure it against falling.

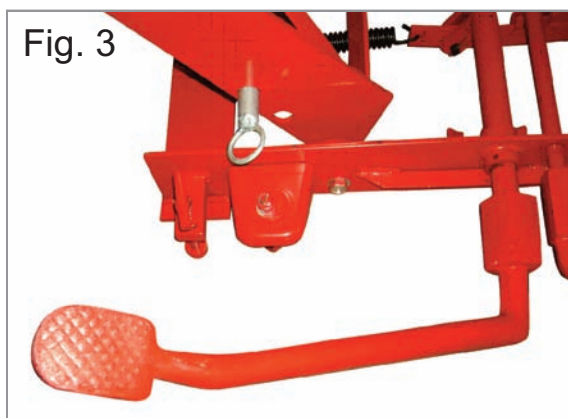
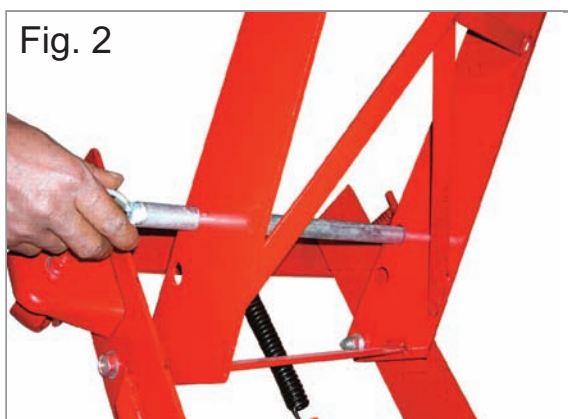
The front wheel can be kept in position with the front wheel clamp, if applicable. Before attaching the clamp, please check whether it could come up against the brake discs or other parts of the vehicle, and e.g. protect the rims and tyres against scratches and damages with a cloth or rubber strip.

The front wheel clamp is not sufficient to retain the vehicle on the hoisting platform and to keep it in an upright position – a centre stand or a motorcycle jack suitable for the vehicle must be applied!

Once again check the safe standing of the vehicle before lifting the working platform. Make sure that there are no persons or their body parts beneath or between the movable parts of the hoist while lifting the hoisting platform.
Risk of injury!

Now lift the secured motorcycle to the desired working height by activating the foot pedal. There are two available locking positions for this purpose. Please pay attention to the ceiling height of the working room!

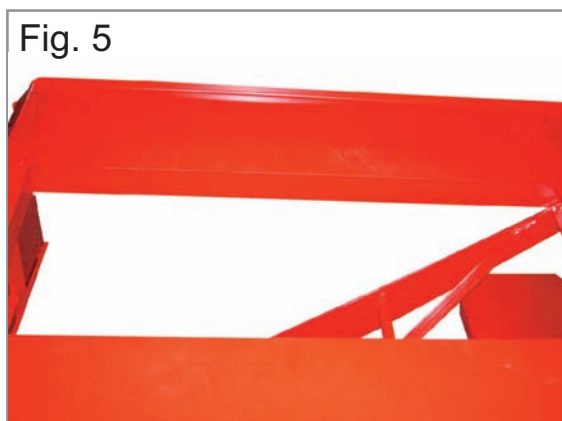
Always secure the extended hoisting platform with the fastening bolt (fig. 2) and lower the hoist with the pedal, until it is seated on the bolt (fig. 3). The hoisting platform is now secured against unintentional lowering.



While working on the vehicle, the loading ramp must be removed, in order to avoid a risk of injury. For safety reasons, sitting and standing on the lifted working platform or working beneath the platform is prohibited. Always pay attention to the safe standing of the vehicle during all works.

Very tight parts (e.g. axles) must be pre-released in advance when the hoist is lowered. The same applies, if other works on the vehicle are carried out with a great exertion of power, which could affect the safe standing on the hoisting platform.

The base plate can be removed for dismantling the rear wheel, for maintenance works and repairs (see fig. 4+5).



In order to remove the vehicle from the platform after having completed the works, clean away oil and grease residues from the working platform in advance. This will avoid soiling of the tyres. Remove all items from the lowering area of the hoisting platform. Use the foot pedal to slightly lift the hoisting platform and release the fastening bolt. Then extract the fastening bolt. Activate the lowering pedal, until the working platform is completely lowered.

Do not assemble the loading ramp until now, in order to prevent it from jamming on the ground when lowering the hoisting platform – risk of injury!

Make sure that there are no persons or their body parts beneath or between the movable parts of the hoist while lowering the hoisting platform. Risk of injury! Now release the tie-down straps and the front wheel clamp, if applicable, while an assistant safely holds the vehicle, and roll it off the platform in backward direction.

5. Safety information:

- The hoisting platform may only be placed on an even, horizontal and capable surface. The vehicle weight must be added to the dead weight of the hoist of approx. 135 kg!
- The hoisting platform has been tested for a maximum load of a vehicle weight of 400 kg. It may only be used for hoisting motorcycles within the admissible and approved load values. Never charge the hoisting platform with more than the stated maximum bearing capacity of 400 kg.
- The hoisting platform must be secured against sliding by attaching it to the ground with the retaining screws.
- Make sure that your working area is sufficiently lit.
- Before putting the hoisting platform into operation, make sure that the working area is clean. Keep all levers and pedals dry and free from dirt and oily resp. greasy residues.
- Before placing the vehicle on the working platform and removing it, the latter must always be completely lowered and cleaned from oil and grease residues, in order to avoid oiling of the vehicle wheels. Risk of falling!
- There should be no persons on the hoisting platform while lifting resp. lowering it as well as when it is pumped up. Make sure that there are no persons or their body parts beneath or between the movable parts of the hoist while lifting the hoisting platform.
- When lifted, the hoisting platform must be mechanically secured in one of the two available positions by means of the fastening bolt, in order to relieve the hydraulics and avoid unintentional lowering.
- In the case of longer interruptions of work, the working platform must always be completely lowered.

- While working on the vehicle, the loading ramp must be removed and not re-attached, until the platform is completely lowered – risk of injury!
- Do not place any load on the hoisting platform, if maintenance works are carried out underneath the working platform. The working platform must be mechanically secured against unintentional lowering by means of the fastening bolt.
- The hoisting platform may not be moved while bearing load.
- The hoisting platform may not be used by any person not sufficiently experienced with operating it.
- The hoisting platform should be positioned, so that it cannot be operated by any unauthorised person and it should not be accessible for children.
- Please make sure that the notification stickers on the hoist remain legible, even after longer and regular use of the platform.
- Since this hoisting platform is a universally applicable product without a specific vehicle classification, it is important to make sure that the hoist can be used/applied with your vehicle without any problems and in an appropriate way, before the first use. Thereby pay attention to the information on your vehicle operating instructions and the vehicle manufacturer's specifications. This is necessary, since an inappropriate use of the product will affect the driving safety and/or the condition of the vehicle.

6. Maintenance and care

- The chromed push bar of the hydraulic cylinder must be kept clean and protected from mechanical exposure. Dirt or damaging could lead to leakage of the hydraulic jack.
- Never clean the hoisting platform with a high-pressure cleaner. The high pressure could wash the grease from the bearings.
- Use an acid-free motor vehicle cleaner for cleaning the hoisting platform.
- All movable parts must be greased with bearing grease and all screws must be retightened every three months. The shaft bearings can be additionally oiled through existing boreholes.
- Check the hoisting platform for signs of corrosion or other damages at regular intervals.
- Position the hoisting platform in a dry and well-aired location, in order to protect it from corrosion.
- The hydraulics and mechanics of the hoisting platform may only be dismantled and repaired

by an authorised service centre.

- Check the oil level on a regularly by removing the base plate when the hoist is completely lowered and opening the air-vent screw on the hydraulic cylinder. The oil level should be slightly (approx. 6.5mm) below the filling hole. If necessary, the oil level can be refilled with quality hydraulic oil ISO VG 15, e.g. Castrol Fork Oil 10 W (non synthetic) order no. 10038217.
- Please contact the Louis technic centre, if you have any questions or technical problems:

Email: technikcenter@louis.de

Fax: 040 – 734 193 4

Letter: Louis Technikcenter
21027 Hamburg

7. Parts list / exploded view drawing

No.	Description	Amount
1	Nut M10	2
2	Washer	2
3	Front wheel clamp	1
4	Working platform	1
5	Bolt M10x25	2
6	Rear wheel drop panel	1
7	Loading ramp	1
8	Cotter pin	2
9	Nut M12	4
10	Washer M12	4
11	Washer M12	4
12	Spacer	4
13	Bolt M12x40	4
14	Front lifting lever	1
15	Fastening bolt	1
16	Nut M12	2
17	Washer M12	2
18	Retaining spring	1
19	Side reinforcement - right	1
20	Swiveling front wheel	2
21	Bolt M12x65	4
22	Side reinforcement - left	1
23	Spacer	4
24	Washer M12	4
25	Washer M12	4
26	Nut M12	4
27	Bolt M10x16	2
28	Washer M10	2
29	Washer	2

No.	Description	Amount
30	Collar	1
31	Lifting pedal axle	1
32	Lifting pedal	1
33	Lowering pedal	1
34	Lowering pedal axle	1
35	Nut M8	2
36	Lowering pedal protective plate	1
37	Bolt M8x20	2
38	Hydraulic jack assembly	1
39	Pump lever	1
40	Cotter pin	2
41	Lowering bar	1
42	Bolt M8x18	1
43	Bolt M6x20	1
44	Washer	2
45	Bolt	1
46	Retaining screw	1
47	Rear lifting lever axle	1
48	Rear lifting lever	1
49	Nut M20	2
50	Washer M20	2
51	Rear wheel	2
52	Rear wheel bushing	2
53	Washer	2
54	Axle spacer	2
55	Rear axle	1
56	Nut M16	2
57	Washer M16	2
58	Support axle	1
59	Washer M20	2

