

COMPAC

Operating Manual for Compac Wheel Dolly model WD500 G1 Original English operating manual



Before using the product: Read this manual carefully.

This user manual is available in other languages at no extra cost on request
The user manual must always come with an EU Declaration of Conformity.

Thank you for buying this Compact product.

With proper use and care, this product will give you many years of safe and reliable service.

Read this operating and safety manual before using the machine for the first time, to ensure correct and safe use.

Store this operator and safety manual with the product at all times.

Yours sincerely,
Manufacturer
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Warranty

Compac Hydraulik A/S provides a 36-month warranty, from the date of purchase, against faulty materials and workmanship.

Compac Hydraulik A/S disclaims any responsibility for improper use, alterations in construction, use of non-original parts and repairs and adjustments made by unauthorised personnel.

Compac Hydraulik A/S reserves the right to make changes to the product without notice if it can be done without significant changes to the technical specifications.



Owner:

This unit was manufactured in accordance with the provisions in the COUNCIL DIRECTIVE of 2006 (2006/42/EC).

Assembly

The wheel dolly requires assembly before use (see page 11).

Safety



Important: Read and understand the operating manual before transport, installation and operation!

All users must read, understand and follow all of the instructions and safety warnings in this operating manual and the safety labels placed on the product before using the product.

All users must be able to operate the product safely and maintain it according to this operating manual.

If the user does not understand the language in the manual, it is the owner's responsibility to furnish a manual in the user's language, so the product can be used and cared for according to our instructions.

In case of questions regarding proper and safe use of this product, or if you need spare parts, a new label or operating manual, see page 2 of this manual or the product's rating plate for contact information.

Store this operator and safety manual with the WD500 at all times.




Compac will not be liable for improper use or maintenance due to insufficient knowledge of the instructions in the operating manual.

Application, intended use

WD500 is a mobile wheel dolly for mounting and dismounting large automobile wheels with an outer diameter of 260 mm to 1380 mm and a total weight of max. 500 kg.

The users must have the required skills to make wheel changes.

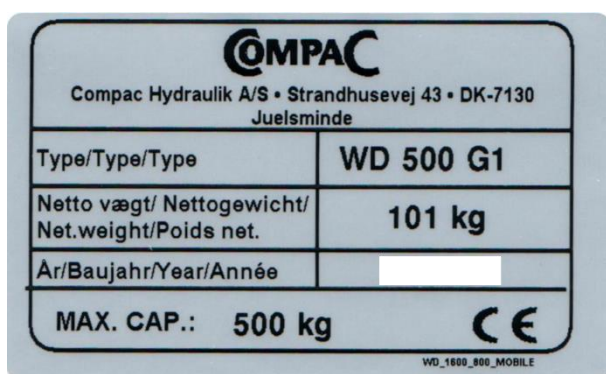
The following protective equipment is required when using the WD500:

	Eye protection
	Foot protection with reinforced toes
	Gloves

Specifications

Maximum capacity		500 kg
Maximum diameter	wheel	1320 mm
Minimum diameter	wheel	260 mm
Tare weight		101 kg

Rating plate



Operating instructions:

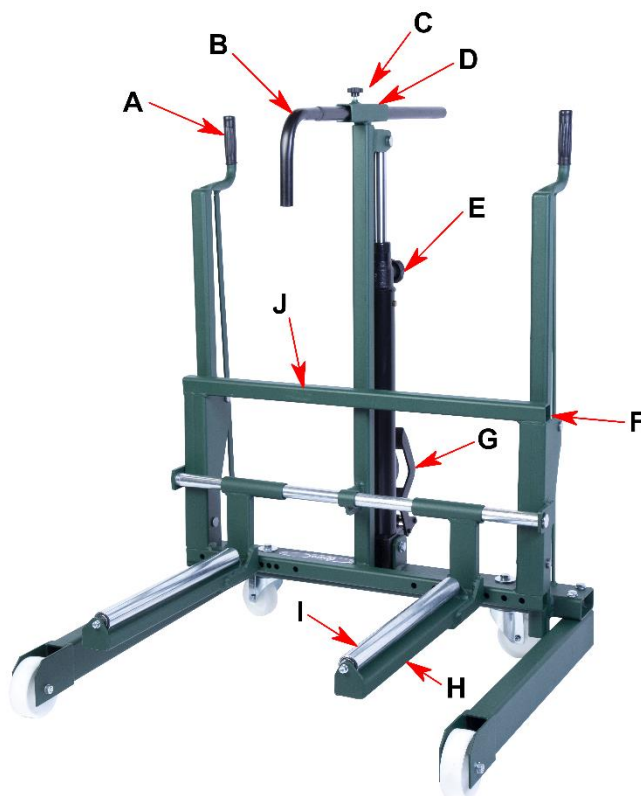
WARNING



Improper use of this wheel dolly may result in injury/pinning of the user and others in close proximity to the product.

1. When the load is in motion, it is important to stand with both feet behind the machine, with hands gripping the handles (Figure 1 A) or the lowering handle (Figure 1 E).
2. Use the unit only on a solid, level surface.
3. When transporting a wheel, it must be in the lowest position.
4. The wheel dolly may not be used to lift loads heavier than the stated max. capacity (see machine plate). Failure to do so can result in injury or property damage.
5. The manufacturer disclaims any responsibility for improper use, alterations in construction, use of non-original parts and repairs and adjustments made by unauthorized personnel.
6. Do not use the unit if it is leaking oil or if the unit is otherwise functioning differently from when it was new. If this is the case, have the unit inspected by authorised personnel.

Operating positions



Pos.	Item
A	Handle
B	Safety bar Long for dual wheels Short for ordinary wheels
C	Retaining screw for safety bar
D	Height barrier for safety bar
E.	Lowering handle
F	Storage for safety bar
G	Pedal
H	Fork
I	Roller
J	Elevator

Figure 1

Roller adjustment



You can adjust the rollers in width, so they fit the current wheel size.

Lift the fork and move to the desired position. When the fork is lowered, it locks.

It is important that both forks are moved the same distance, so the load is symmetrical.

Using the wheel dolly



Figure 3

Picking up wheels from the ground

1. By setting the fork distance, you can pick up a standing wheel from the floor. The distance between the rollers must be approx. 0.6 times the wheel diameter.
2. With the forks in the lowest position, move them in under the wheel as far into the lifting bed as possible.
3. Note that the wheel is now resting against the crossbeam (Figure 3 A).
4. Secure the wheel using the safety bar (Figure 3 B). There are two safety bar sizes: the long bar for dual wheels and the short bar for ordinary wheels. The safety bar should rest against the wheel when the height barrier is lowered (Figure 3 C) and is locked using the locking screw (Figure 3 D).



Figure 4

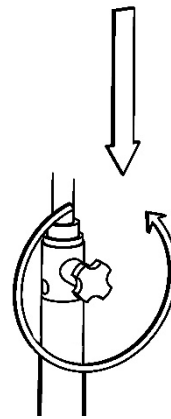


Figure 5

Wheel dismounting

1. With the vehicle lifted to working height, move the forks of the wheel dolly in under the wheel you wish to dismount. The distance between the rollers should be approx. 0.6 times the wheel diameter.
2. Pump the foot pedal (Figure 4) until the rollers on the dolly support the wheel; make sure the wheel edge is pushed fully against the chassis frame (Figure 3 A).
3. Place the foot pedal in its top position so it is not in the way.
4. You can now move the wheel dolly with the wheel away from the vehicle. (After the wheel nuts and bolts have been removed)
5. Secure the wheel using the safety bar (Figure 3 B). There are two safety bar sizes: the long bar for dual wheels and the short bar for ordinary wheels.
6. Lower the wheel to the bottom position using the handle (Figure 5). (Turning the handle clockwise lowers the dolly and turning it counterclockwise stops the lowering.)
7. Remove the safety bar.
8. You can now pull the wheel dolly away, and the wheel remains standing on the floor. Note that the wheel can tip over or roll.

Wheel mounting

1. Grip the wheel between the rollers, so the wheel is standing in a stable position with the wheel's edge against the chassis frame (Figure 3 A).
2. Pump the foot pedal (Figure 4) until the wheel is at the desired height.
3. Remove the safety bar (Figure 3 B) as late as possible in the work procedure.
4. Move the wheel into place and mount the wheel.
5. Lower the forks using the handle (Figure 5) and pull the wheel dolly away from the vehicle. (After the wheel nuts and bolts are fitted.)

Wheel transport

1. Make sure the forks with the wheel are lowered to the lowest position.
2. Secure the wheel using the safety bar (Figure 3 B). There are two safety bar sizes: the long bar for dual wheels and the short bar for ordinary wheels.
3. Check that the foot pedal is locked in its top position.

Maintenance

Annual inspection should be performed according to national regulations – and at least once a year.

The inspection should be performed by a trained professional.

Chassis, tower, forks and other chassis parts must be checked for damage and abnormal wear.

All moving parts must be inspected, cleaned and lubricated once a month.

In case of rust, remove the rust and protect with a rustproofing agent.

Check that the dowels on the forks and rollers are fully intact and working properly.

Check that retaining rings, nuts, bolts, and mandrels are fully intact and working properly.

If the unit requires repair, repair work must be done by a person with hydraulics experience/training.

If parts on the unit are replaced, they must be replaced with original parts.

If the unit has been defective or has malfunctioned, the unit must not be used until it has been inspected by a person with hydraulics experience/training.

On the annual inspection, the machine must be serviced by a trained professional, so the above is checked and any problems repaired.

Oil

Oil reservoir: Contains 0.95 litres.

Use only Hydraulic Oil AWS22

Do not use brake fluid, motor oil or the like!

Troubleshooting

1. The wheel lifter does not lift to the top position: The oil level is low. Lower the tower and fill to the edge of the hole.
2. Poor pump function ("half" pump stroke): The oil level is too high. Lower the tower fully and let the excess oil run out of the oil plug.
3. The tower sinks: Check that the release closes correctly.

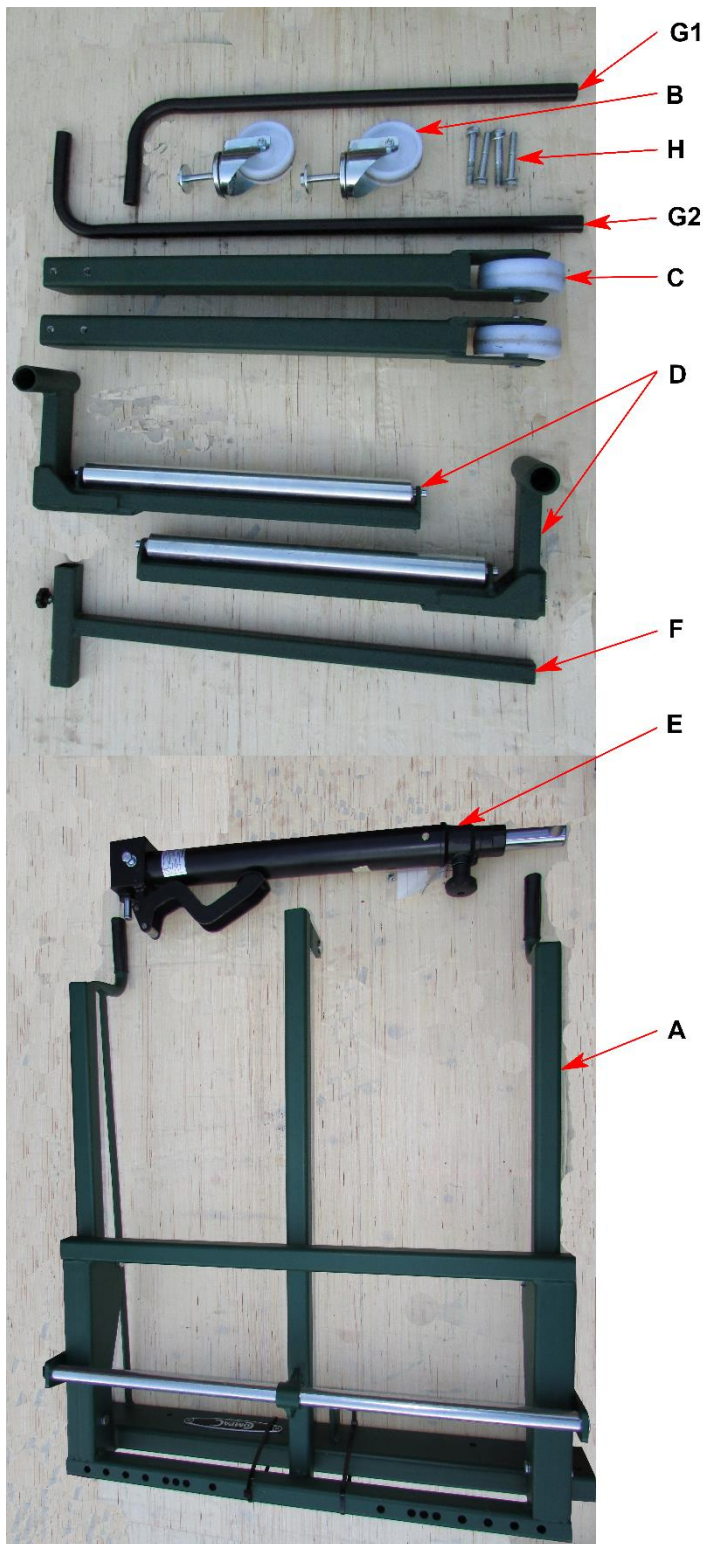
If the error persists, repair the hydraulic unit.

Disposal

Drain the oil from the unit in a responsible manner and deliver the unit and other parts to an approved waste recipient.

Wheel dolly assembly

Component overview for assembly


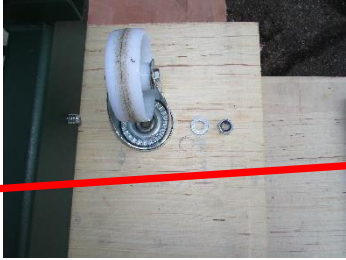
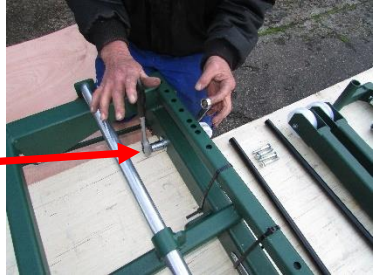




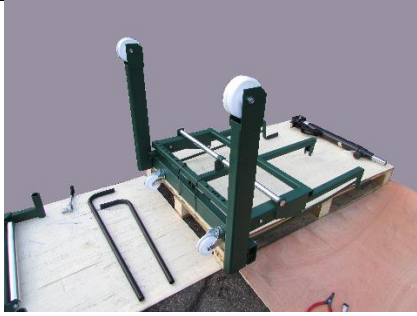
Pos.	Item
A	Chassis frame
B	Castor wheel with bolt and washer
C	Leg
D	Fork left and right
E	Cylinder (with oil plug)
F	Height barrier for safety bar
G1	Safety bar short
G2	Safety bar long
H	Bolt with washer for leg

Preparation

After opening the packaging, check the product for visible damage and leakage.

Assemble the product as instructed.

<p>Mount the two castor wheels B onto chassis frame A.</p>		
		
<p>Mount the bolts with washers and locking washers inside the chassis.</p>	<p>Prepare wheels, washers and nuts.</p>	<p>Place the wheel and tighten using a 19 mm wrench.</p>

<p>Mount the two legs C.</p>		
		
<p>Place bolts with washers internally.</p>	<p>Tighten using a 19 mm wrench.</p>	<p>Turn over the mounted chassis. This requires 2 people! Note that the two cable ties are still mounted!</p>

Complete assembly of the chassis frame.



Mount the two forks D (note that there is a left and a right fork).



Remove the retaining ring on the mandrel.



Pull out the mandrel and mount the two forks (note that the rollers should face the centre).



Push the mandrel into place and remount the retaining ring.

Mount cylinder E.



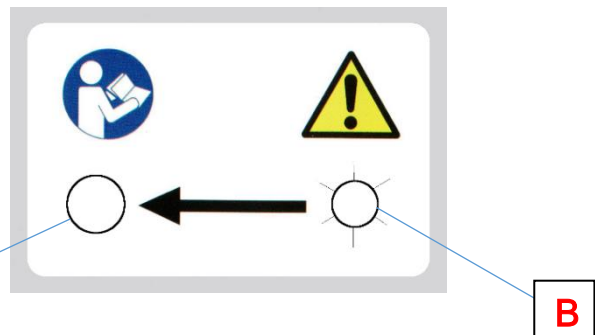
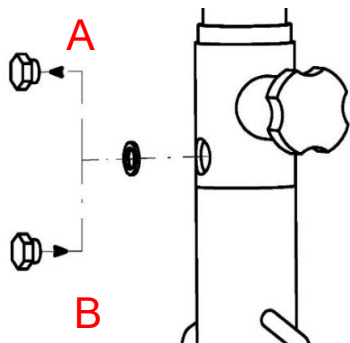
Remove the screw and washer on the cylinder.
Place the cylinder in the chassis bracket.
Mount the screw and washer as shown.
Gently tighten the screw by hand; it is tightened mechanically after the mandrel at the top is mounted.



Remove the retaining ring at the top and pull out the mandrel.
Place the cylinder's ram in the tower and push the mandrel through the fitting.
Mount the retaining ring again.
Note: Now tighten the screw on the cylinder using a 19 mm wrench.




Remove the cable ties locking the tower.



Remove transport plug A and mount the plug with vent B.

Oil plug B comes fastened in the illustrated fixture.

	<p>Insert the height barrier for safety bar F.</p>
	<p>Mount the safety bar G1/ G2. Note that there are two lengths! A short bar for single wheels and a long bar for dual wheels.</p> <p>Mount the length that is right for the job at hand.</p> <p>The safety bar that is not in use can be placed in the profile pipe in the chassis.</p>

The wheel dolly is now assembled and ready for use. Follow the instructions for use on page

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