

## §1 - Introduction





- This manual forms a quick guide for the use of the lift model DH-VO.07.K1 or DH-VO.15.K1 with option OVU010 DUMP-THROUGH.



- This manual handles with the particular user and safety instructions involved in working with a DUMP-THROUGH lift. It must be read in conjunction with the general user's manual with regards to the safety instructions for the operator (chapter A), the periodic maintenance (chapter B), and the legal requirements regarding period testing and certification (chapter C).
- In case of doubt, stop immediately, and ask further advice from DHOLLANDIA prior to continuing.

## §2 - Electrical controls

- The lift can be operated by a variety of electrical controls, which fall outside of the scope of this supplement manual. For further information, please refer to the general user's manual issued with the lift.
- Where operations involve an electrical control, the functions will be shown as shown on right side

	Lift
	Lower

## §3 - General outline

- DUMP-THROUGH OVU010 column lifts are designed to be mounted at the rear of tipper bodies, and can be used in 2 different ways
  1. CASE1: From the closed road-position behind the vehicle body, the platform can be unlocked at the top of the lift runner, and deployed to serve as normal tail lift, to load and unload goods from the ground to the vehicle floor (and vice versa)
  2. CASE 2: From the closed road-position behind the vehicle body, the platform can be unlocked at the bottom of the lift runner, and transformed into top-hinged rear door, so that loose goods (sand, gravel,...) loaded onto the truck bed can be dumped through and between the lift platform and the rear of the vehicle floor.

Fig. 3.1 - OVU010 used as tail lift



Fig. 3.2 - OVU010 in dump-through position



Consult the user's manual before getting started. Follow all safety instructions. Check if the lift can be used safely, and that no urgent maintenance or repair is required. DO NOT continue if any unsafe condition exists

§4- CASE 1: Use as tail lift to load / unload.

Fig. 4.1

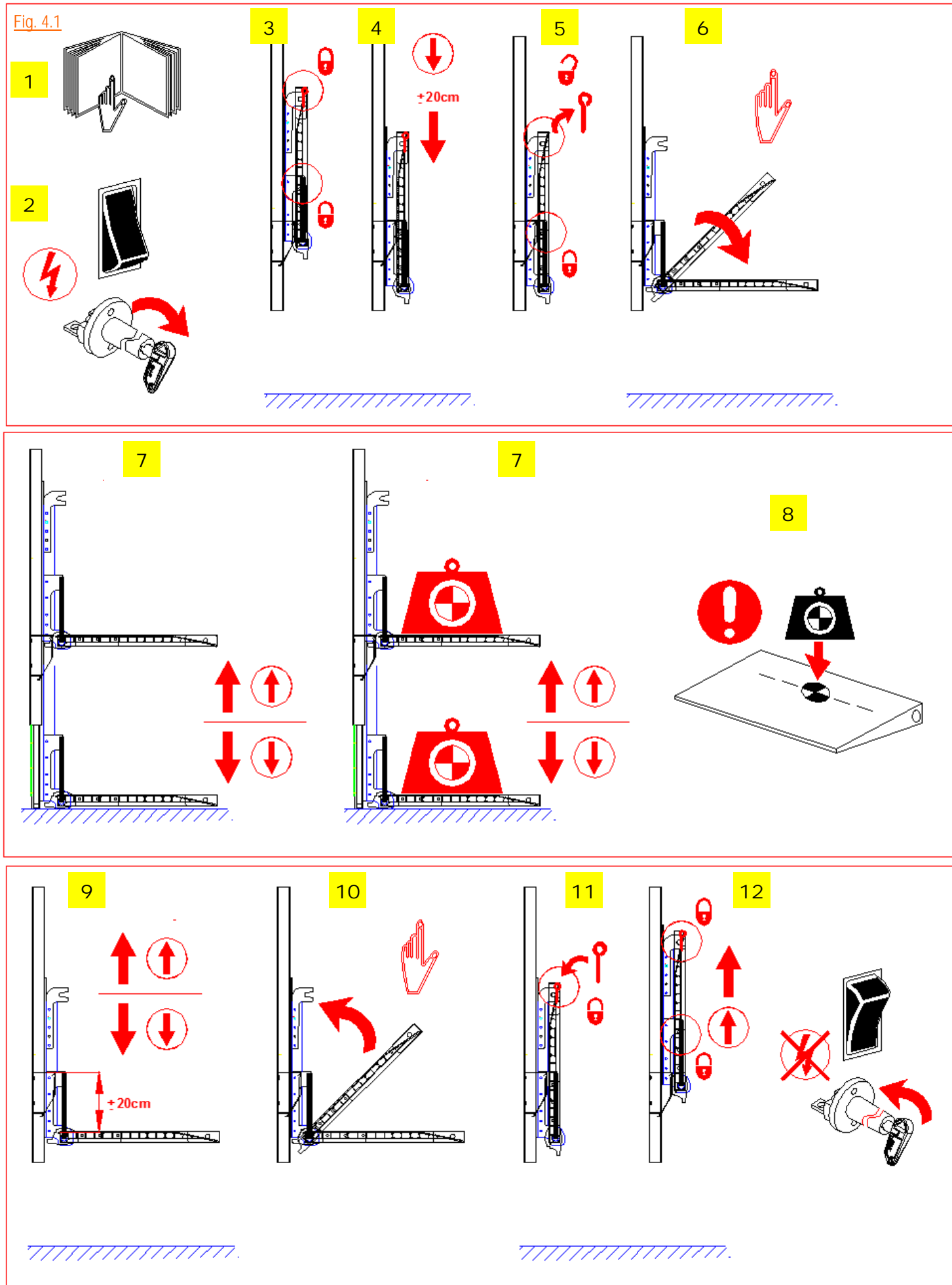
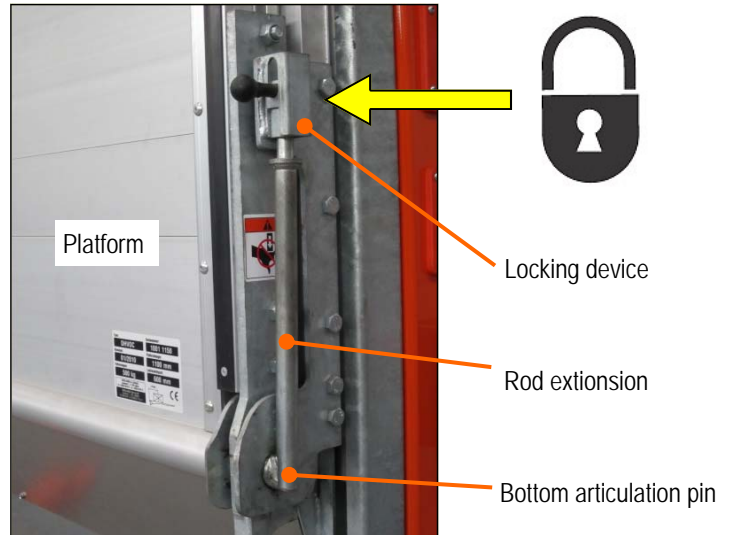




Fig. 4.2

When using the lift platform as proper tail lift, to load and unload goods, it is important that rod extensions of the bottom L+R articulation pins are securely locked and fastened in the locking device mounted on the lift runner.



#### Text to Fig. 4.1: Use as tail lift to load / unload

N°	Opening the platform
1	Consult the user's manual before getting started. Observe all safety instructions.
2	Switch on the electrical power to the tail lift (cabin switch in the driver's cabin, and battery switch of the exterior control box).
3	Ensure that the 2 top pivot pins L+R and the 2 bottom articulation pins L+R are fully engaged and locked before commencing. See Fig. 4.3 below.
	If applicable, LOWER the mechanical or hydraulic stabilising legs into work position.
4	LOWER the platform approx. 20cm to a height that brings the 2 top pivot pins L+R within your reach.
5	Whilst standing beside the platform (not under !), release the security needles locking the 2 top pivot pints L+R. See Fig. 4.3.
6	Manually open the platform 90° into horizontal work position. For platforms with torsion bars fitted, ensure the platform is locked in horizontal position.
N°	Loading & unloading
	Select between exterior control box and auxiliary controls.
7	Use any of the functions LOWER (see general user's manual) to LOWER the platform to the ground.
7	Use any of the functions LIFT (see general user's manual) to LIFT the platform to the vehicle floor level.
8	Observe the loading diagrams & instructions at all times.
N°	Closing up in travel position
9	LIFT the platform up to a convenient height for closing.
10	Stand to the side of the platform, press it down by hand, disengage the open-platform-lock, and manually close the platform into vertical travel position.
11	Mount the security needle in position, secure the 2 top pivot pins L+R. See Fig. 4.4.
12	LIFT the platform until the mechanical travel lock is engaged.
	If applicable, LIFT the mechanical or hydraulic stabilising legs into travel position.

Fig. 4.3



Fig. 4.4



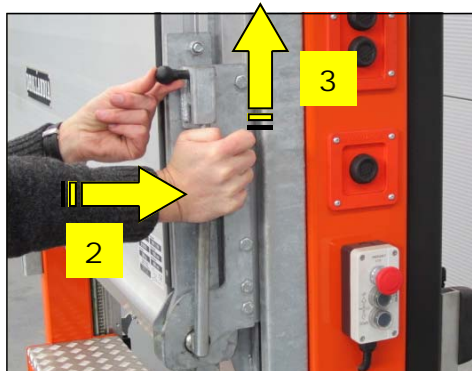
## §5 - CASE 2: Top-hinged rear door allowing to dump-through.

- The instructions in this § explain the procedures to demount the bottom articulation pins from the platform, and enable the platform to tilt open when the tipping body is lifted in the air.

Figs. 5.1

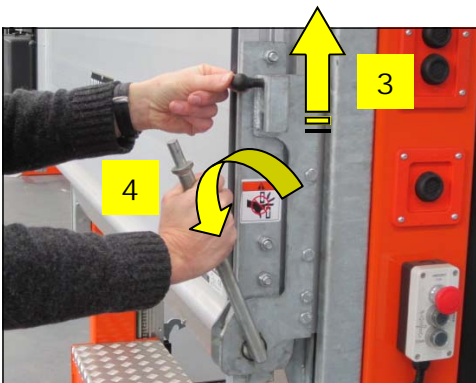
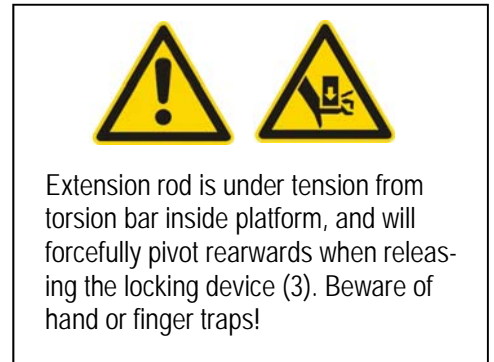


1- Verify and ensure that the security needles on the 2 top pivot pins L+R are fully engaged. Stow the platform in the highest position.



2- Push the extension rod of the 2 bottom articulation pins (L+R) forwards. Take into account that at least one of the pins is connected to the torsion bar inside the platform, and that this rod will strongly pivot towards you as soon as the locking device (3) is released.

3- While still pushing the extension rod forward, lift the locking device, so that the bottom articulation pin with its extension rod can pivot rearwards.



4- Pivot the bottom articulation pins (L+R) with their extension rod rearwards, releasing them from any tension of the torsion bar(s) inside the platform.



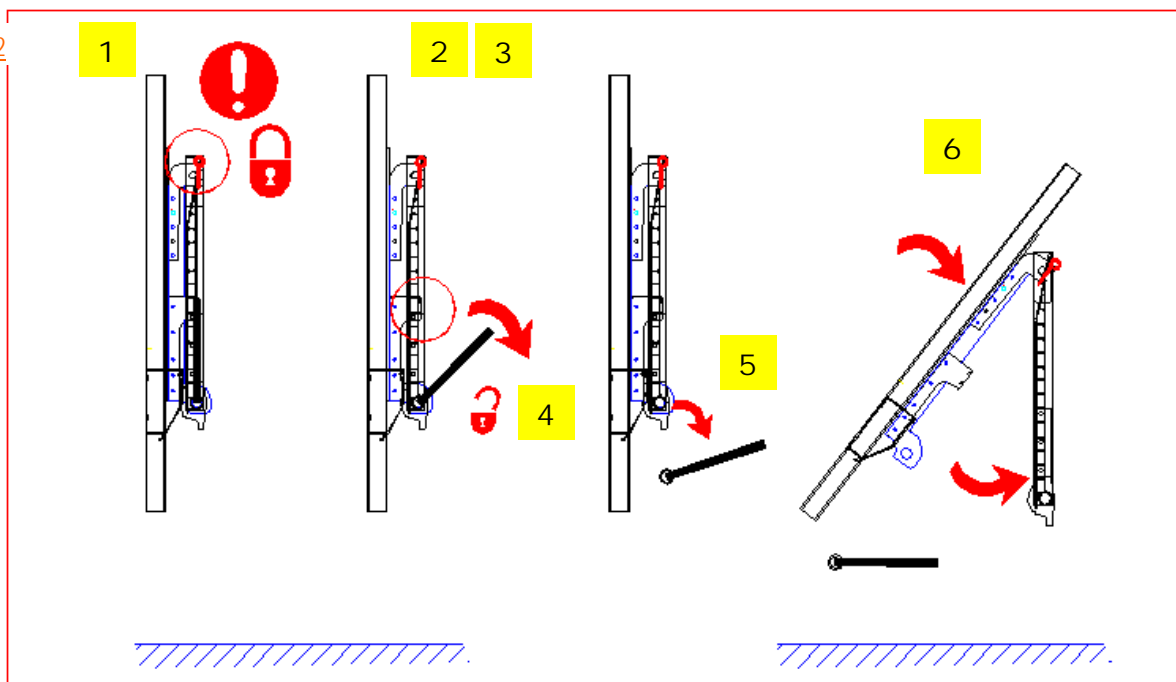
5- Demount the bottom articulation pins on L & R side.



6- The platform is now ready to pivot around the 2 top pivot pins (L+R), and tilt open when the tipping body is lifted.



Fig. 5.2



- In order to stow the platform back in road position, proceed in inverse order. The bottom articulation pins that were under tension upon their dismounting, should be mounted into the platform under the right angle, in order to fit over the square torsion bar inside the platform, and result in the same tension as originally foreseen.

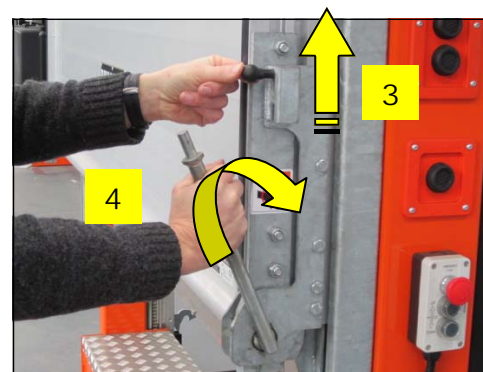
Figs. 5.3



1- NOT OK, articulation pin mounted 45° too low on the square torsion bar inside the platform.



2- OK, articulation pin mounted correctly on the square torsion bar inside the platform.



3- Lift the locking device.

4- Push the extension rod of the 2 bottom articulation pins (L+R) forwards. On the pins mounted over the torsion bar, force will be needed to overwin the tension of the torsion bar.

Proceed with care, beware of hand and finger traps. Beware that the torsion bars incorporate a lot of energy, and might flip back towards you when released before the locking device is engaged !



6- Ensure that the extension rods of the bottom articulation pins are correctly secured.



### Warning !

In order to avoid premature damage or wear to the platform, tip the vehicle body and dump its load with care and consideration. Hard and brutal impact of solid objects against the platform surface can cause damage. **DHOLLANDIA** cannot be held liable for mechanical damage afflicted in this way to the lift.