

# Additional information

## Additional information for „Operating manual and service in- structions for HP VELOTECHNIK Delta tx“

### p. 17 “Learning the new riding technique”

Be particularly careful when turning or cornering on inclines. There is an increased risk of tipping sideways. In case you don't feel safe, dismount your bicycle and push it till you reach a level area.

You can use the push assist on your electric assist system to assist you.

#### **Danger!**

When accelerating hard, especially when starting off, the front wheel can lift off the ground. The trike will be unsteerable then. In this case, stop pedaling immediately, pull both brake levers and lean forward towards the handlebars. Otherwise the trike may tip backwards which may cause damage and serious injury.

The following factors of substantial influence on acceleration and starting torque can be controlled by the rider:

- selection of transmission ratio, i.e. the gear when starting off
- assist level of the electric assist system
- the leg force when pedaling

The smaller the selected gear, the harder you push the pedals, and the higher the assist level - the higher the risk of the front wheel leaving the ground or you tipping backwards.

#### **Danger!**

It is important to control the trike's acceleration depending on the riding situation, your riding ability and the load on your trike.

It is a situation similar to starting off with a motorcycle where you also have to carefully apply the throttle in order to keep your front wheel on the ground.

The front wheel tends to lift off more easily

- on inclines
- with heavy luggage on the rear rack or high luggage center of gravity
- with heavily loaded luggage bags mounted on the seat
- when towing a trailer
- with tall riders or with the seat pushed far back
- with low seat back angle
- when using high seats (HS version)
- with accessories mounted to the seat such as water bottles or walking aid mounts
- with the stem extended far back.

Wear a helmet for your safety!

Familiarize yourself with the behaviour of your Delta tx with different starting gears and different assist levels on flat and traffic-free terrain first. Mastering this, you can try starting on inclines. Start on slopes with little incline and increase inclination with increasing experience. Always ride slowly on inclines and avoid stopping on the incline. In case you had to stop on an incline first select a medium assist level, then restart. Lean your upper body forward. Only pedal so hard that your trike gets moving.

# Additional information

Avoid starting off or accelerating hard on inclines greater than 10%, e.g. underground car park exits. In case you don't feel safe, dismount your trike before the incline and push it. Some electric assist systems allow to adjust the power output of each assist level using a software or a smartphone app. Ask your dealer for details. We recommend to use the maximum power only if you are able to deal with all riding situations reliably.



## **Danger!**

Do not ride without the rear rack mounted. It is an important safety feature. It reduces the risk of rolling over when tipping backwards. If the rear rack has been damaged in an accident it must be replaced before using the trike again!

To reduce the risk of rolling over backwards HPVELOTECHNIK offers an anti-tip device. It consists of two rollers that are mounted on the underside of the rear rack. We recommend to install this anti-tip device especially when using the strong SHIMANO Steps EP801 Cargo drive unit, when using the highest assist level frequently or when the above mentioned factors that contribute to front wheel lifting apply to you.

Please note the reduced ground clearance with an anti-tip device mounted. The anti-tip device, the rear rack, or the frame of the Delta tx may be damaged if you ride over curbstones or steps contrary to the instructions given in this manual.

The anti-tip device does not prevent the front wheel from lifting off the ground. Rolling over backwards on steep inclines can not be completely ruled out even with mounted anti-tip device. You should therefore still follow the instructions for safe riding given above!

Never deliberately provoke a situation in which your tricycle tips onto the anti-tip device. The anti-tip device is not intended to bear load when towing the trike or to ride on the rollers.

## **p. 63 "Storing the tricycle"**

Disconnect the battery from the bike when not using the Delta tx for a longer period of time. This prevents the battery from being discharged by electric components.

Best store and use the battery at temperatures from 5°C to 20°C (32°F to 68°F).

Recharge your battery regularly even when not using it. Self discharge may lead to a state of deep discharge after a couple of weeks. This can permanently destroy the battery.