

HP Velotechnik recumbents with GO SwissDrive

Dear customer,

The original GO SwissDrive operating instructions describe all specifications offered.

These supplementary instructions give you an overview of the variants that can be used with HP Velotechnik as well as additional installation instructions.

This manual does not replace the original GO SwissDrive manual, but complements it.

Please also refer to the original HP Velotechnik operating manual for your recumbent model.

Pushing aid backwards

HP Velotechnik tricycles are equipped with the reverse gear. It is activated by pressing and holding the [-] key in driving mode (cf. chapter 6.1. Using the grip controls).

Light

Depending on the headlamp model installed, the light is switched on automatically together with the electric drive system or separately on the headlamp.

The light on HP Velotechnik recumbents cannot be switched on and off via the GO SwissDrive display.

Display languages:

You can select the languages German, English or French on the display. (See chapter 6.3.1 System settings)

Removing the rear wheel

In the event of a tyre defect or to service the shift components, it may be necessary to remove the rear wheel.



Danger!

Before removing a rear wheel, please read the corresponding chapters of your general bicycle operating instructions. If you are unsure or have questions, contact your dealer.

Since the engine is installed in the rear wheel, proceed as follows:

1. Turn off the system at the control and disconnect the plug from the battery.
2. After disconnecting the battery, turn the display on and off again while the rear wheel is stationary to completely de-energize the system.
3. Set up the pedelec so that the rear wheel can be removed. Ideally, you should clamp it in an appropriate mounting stand. Due to the high weight of your pedelec, it makes sense to lift the bike together with a second person.

4. Shift gears on your derailleur system on the smallest sprocket on the rear wheel, which simplifies removal and installation.

5. In the case of mechanical rim brakes unhook the cable from the brake arm.

6. Open the Velcro straps that secure the motor cables to the frame. Open the Velcro of the neoprene hose and disconnect the connector.

7. Loosen the M10 axle nuts with a 17 mm open-ended wrench, note the following:

On the left side you will find the torque support, it is essential to set it in place when reinstalling the wheel. To facilitate the removal of the rear wheel, pull the rear derailleur slightly backwards.

⚡ Danger! If both nuts are loosened, the rear wheel may fall out. Secure the rear wheel with one hand in the frame or get help from a second person due to its heavy weight.

⚠ Attention! Do not remove the nuts completely from the axle. Loosen it so that you can remove the rear wheel.

Installing the rear wheel



Figure 1: rear wheel with GO SwissDrive motor

1. shift to the highest gear so that the rear derailleur is completely on the outside. Now you can insert the rear wheel into the dropouts, note the following points:

- a. Pay attention to the order of the parts on the axle. Make sure that the torque arm sits on its tooting on the axle.
- b. Turn the torque arm so that it engages the support screw or Speedbone.



Figure 2: Speedbone (black) with torque support

(steel). If a disc brake is mounted, the torque support comes from the Speedbone and not by the support screw. The Speedbone is used on the outside of the Brake mount fixed with 2 screws.

- c. The wiring harness is to be installed at an angle so that he can later be attached in a bow to the seat stay.
- d. If a disc brake is fitted insert the brake disc carefully in the brake calliper.
- e. Now tighten the M10 axle nuts evenly. Pay attention to the Washers between frame and Axle nuts. These must rest flat.

 **Danger!** Always tighten the axle nuts with a torque wrench and 45 Nm.

 **Danger!** Use only self-locking M10x1 nuts. Original replacement nuts are available from your dealer as GO SWISSDRIVE spare parts.

- 2. If a rim brake is fitted, reattach the brake cable and check if the rear wheel runs freely. Also read the instructions in your bike manual.

 **Danger!** When using a disc brake, pull the brake lever until a solid pressure point is reached. It must not be possible to pull the brake lever all the way to the handlebars.

- 3. Check the display whether the system is switched off. Connect the motor with cable plug to the cable harness.

 **Attention!** Pay attention to the reverse polarity protection (geometric alignment) on the plug. Insert the plugs slowly and sensitively and under no circumstances by force. Also pay attention to the seal on the plug. When plugged in, this must be located exactly in the socket provided for this purpose in order to guarantee tightness.

freehub bodyr

The freehub body can be replaced. Use only the original GO SWISSDRIVE replacement part. Tighten the freewheel body with max. 8 Nm.

 **Attention!** Make sure that the cables are not under tension and are not cut by cable ties when mounting.

Juli 2018