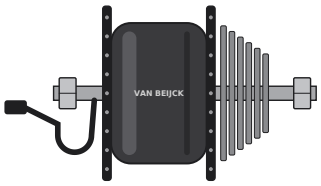
INSTALLATION GUIDE

Fitting the rear hub motor

For all Van Beijck rear hub motors with freewheel or cassette. Read this guide completely before you start.



In the box

- Rear hub motor (laced into rim)
- Motor cable
- Nuts and lock washers

What you need

- Open-end or ring spanner 18 and 19 mm
- Open-end spanner 10 mm (for centring)
- Cable ties and side cutters
- Cassette or freewheel remover (only if you transfer it)

Safety first
Disconnect the battery before working on cables, the controller or the motor. Make sure the bike stands firmly, preferably in a work stand. In doubt? Have the installation done by a bike shop or a Van Beijck dealer.

Step by step

1 Remove the old rear wheel

Loosen the axle nuts and take the rear wheel out of the frame.

Bike with derailleur
Push the derailleur backwards. The chain then comes loose and the wheel slides out easily.

2 Transfer the tyre

Take the tyre, inner tube and rim tape off the old wheel. Fit them onto the rim of the Van Beijck motor. Is the tyre worn? Choose an e-bike tyre: it rolls more easily and lasts longer.

3 Transfer the brake (roller or disc brake)

Does your bike have a roller brake or a disc brake? Move it over to the new motor. With a V-brake you skip this step.

Roller brake
Tighten the roller brake's lock nut **by hand only**, never with a spanner. Otherwise the wheel runs stiffly and that costs battery power.

4 Transfer the cassette or freewheel

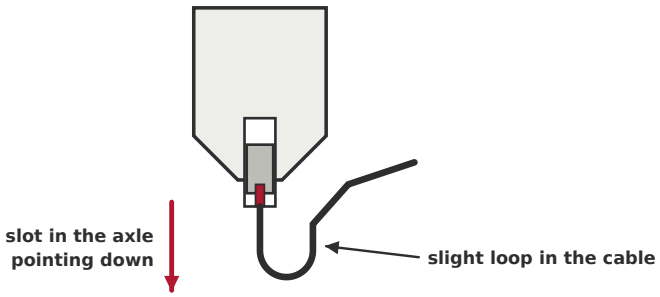
Move your cassette or freewheel over to the motor, or fit a new one. Check that it is firmly in place.

Freewheel
The freewheel must not touch the motor housing. Does it touch? Then fit a spacer in between.

5 Place the motor in the frame

Place the wheel in the rear dropouts. Seen from the saddle, the motor cable comes out of the axle on the **left side**.

> **Important: cable pointing down**
> The slot in the axle where the cable comes out must point **towards the ground**. That way no water can run into the motor.



6 Centre the wheel

Position the wheel straight in the middle of the frame. With a 10 mm spanner you can easily turn the axle into the right position.

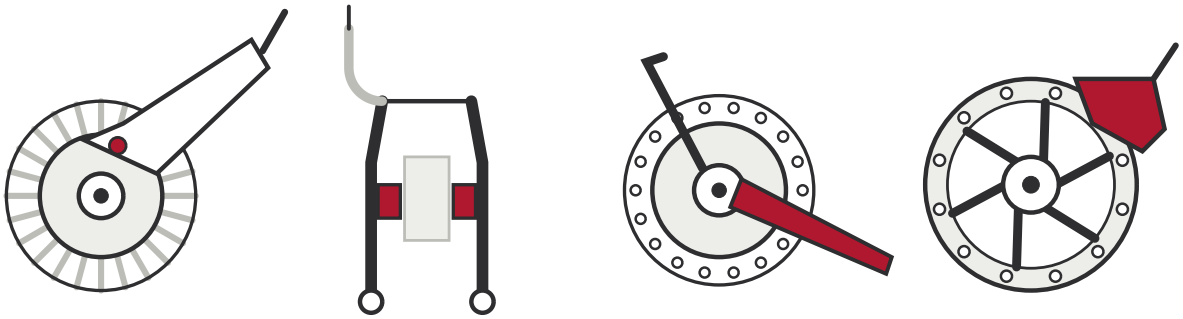
7 Tighten and secure

Fit the supplied lock washers and tighten the axle nuts firmly.

> **Caution: the axle must not turn**
> If the axle turns in the fork ('spinning'), the motor cable will be torn off. So **always** use the supplied lock washers. Damage caused by a spinning axle is not covered by the warranty.

8 Adjust the brake

V-brake: adjust the brake pads to the new rim so that both pads touch the rim over their full surface.
Roller or disc brake: reconnect the brake cable or caliper and adjust the brake.



Roller brake | **V-brake** | **Drum brake** | **Disc brake**

9 Secure and connect the cable

Let the cable leave the axle with a small downward loop; this prevents strain and moisture. Fix the cable to the frame with cable ties and push the motor cable plugs firmly together.

Check after fitting

- ☐ Axle nuts tight and lock washers fitted
- ☐ Brakes work well, even at full force
- ☐ Plugs are pushed fully together
- ☐ Wheel runs straight and freely, without rubbing
- ☐ Cable is secured and cannot get into the spokes
- ☐ Test ride: assistance works in all levels

After the first 50–100 km
Retighten all nuts and bolts once more and have the spoke tension checked. New spokes settle in at first; this prevents spokes from breaking later on.