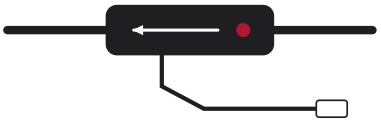
INSTALLATION GUIDE

Fitting the brake sensors



For the Van Beijck brake sensor in the brake cable (mechanical brakes) and the stick-on brake sensor for hydraulic brakes. The sensor cuts the motor immediately when you brake.

In the box

- Brake sensor or brake sensor set (with end piece)
- Or: brake sensor for hydraulic brakes (sensor and magnet)

What you need

- Cable cutter for the outer cable
- Hydraulic: alcohol or degreaser

> **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 Choose the position

Choose where the sensor goes in the brake cable:

- **In the middle of the cable** (in a piece of outer cable), or
- **at the end**, right at the brake on the frame.

2 Shorten the outer cable

Cut a piece out of the outer cable exactly as long as the sensor.

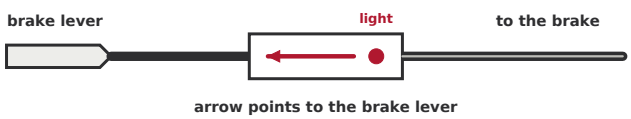
> **Do not cut the inner cable**
> The steel inner cable must stay intact. Pull it back a little so you can easily thread it through the sensor in a moment.

3 Fit the sensor

In the middle of the cable: fit the sensor between the two pieces of outer cable; the inner cable runs through the sensor. You do not use the loose end piece.
At the end: press the supplied end piece into the brake mount and fit the sensor against it.

4 Check the direction

The arrow on the sensor must point **towards the brake lever**.



5 Test

Squeeze the brake lever gently. The **red light** on the sensor comes on and the motor stops.

> ⚠ **Light must go out again**
> Release the brake: the light must go out immediately. If it stays on, the sensor is sticking and the motor will no longer give assistance.

6 Connect

Connect the sensor cables to the brake sensor plugs (white) on the controller.

Hydraulic brakes: stick-on brake sensor

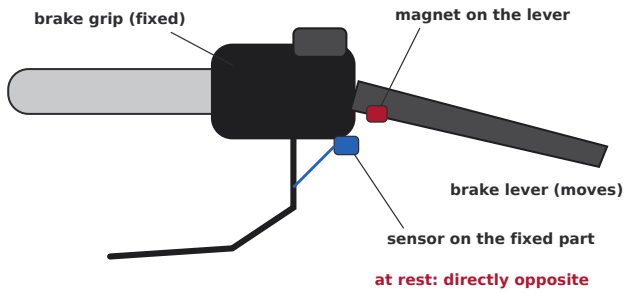
Does your bike have hydraulic brakes (no brake cable)? Then use the Van Beijck brake sensor for hydraulic brakes. It consists of a small sensor and a magnet that you stick onto the brake lever.

1 Clean

Clean and degrease the brake grip and brake lever where the sensor and magnet will go, for example with a little alcohol.

2 Find the position

First hold the sensor and magnet loosely in place. When you are not braking, they sit **directly opposite each other**, as close as possible without touching. When you squeeze the brake, the magnet moves away from the sensor.



3 Stick on

Stick the sensor onto the fixed part of the brake grip and the magnet onto the brake lever. Press both firmly for a moment.

4 Connect

Connect the sensor cable to the brake sensor plug (white) on the controller.

5 Test

Lift the driven wheel and let the motor run. Squeeze the brake: the motor stops immediately. Release: the motor assists again.

Check after fitting

- ☐ Inner cable intact and properly tensioned
- ☐ Arrow points towards the brake lever
- ☐ Light comes on when braking and goes out when released
- ☐ Hydraulic: sensor and magnet firmly stuck on
- ☐ Motor stops when braking
- ☐ Brakes still work fully