

Before riding it is good to pump the brakes and let them snap back a few times. This will calibrate the sensors and can usually prevent the error code or issue with the sensors.

Aventon ebikes offer motor-interrupt brake levers. These special brake levers turn off the motor of your ebike when you squeeze the brakes, an important safety feature. If you make a panic stop, the motor will stop running - even if you forget to stop pedaling or release the throttle.

The sensitivity of the brake levers is adjustable. When correctly adjusted, the bike operates normally and the levers turn off the motor when squeezed. When incorrectly adjusted, the brake levers might turn off the motor without being squeezed (too sensitive) or not turn off the motor at all when squeezed (not sensitive enough).

Squeeze the brake levers all the way to the grip and let them spring forward a few times. This helps to calibrate the sensor. This will usually fix the issue of the motor not engaging.

If the squeezing does not work disconnect the left brake lever connection up by the handlebars. Should be red on the inside when you pull it apart. Leave it disconnected and power up the bike. See if the throttle or pedal assist 1 engage.

Repeat steps for the right brake lever connection

Error 25

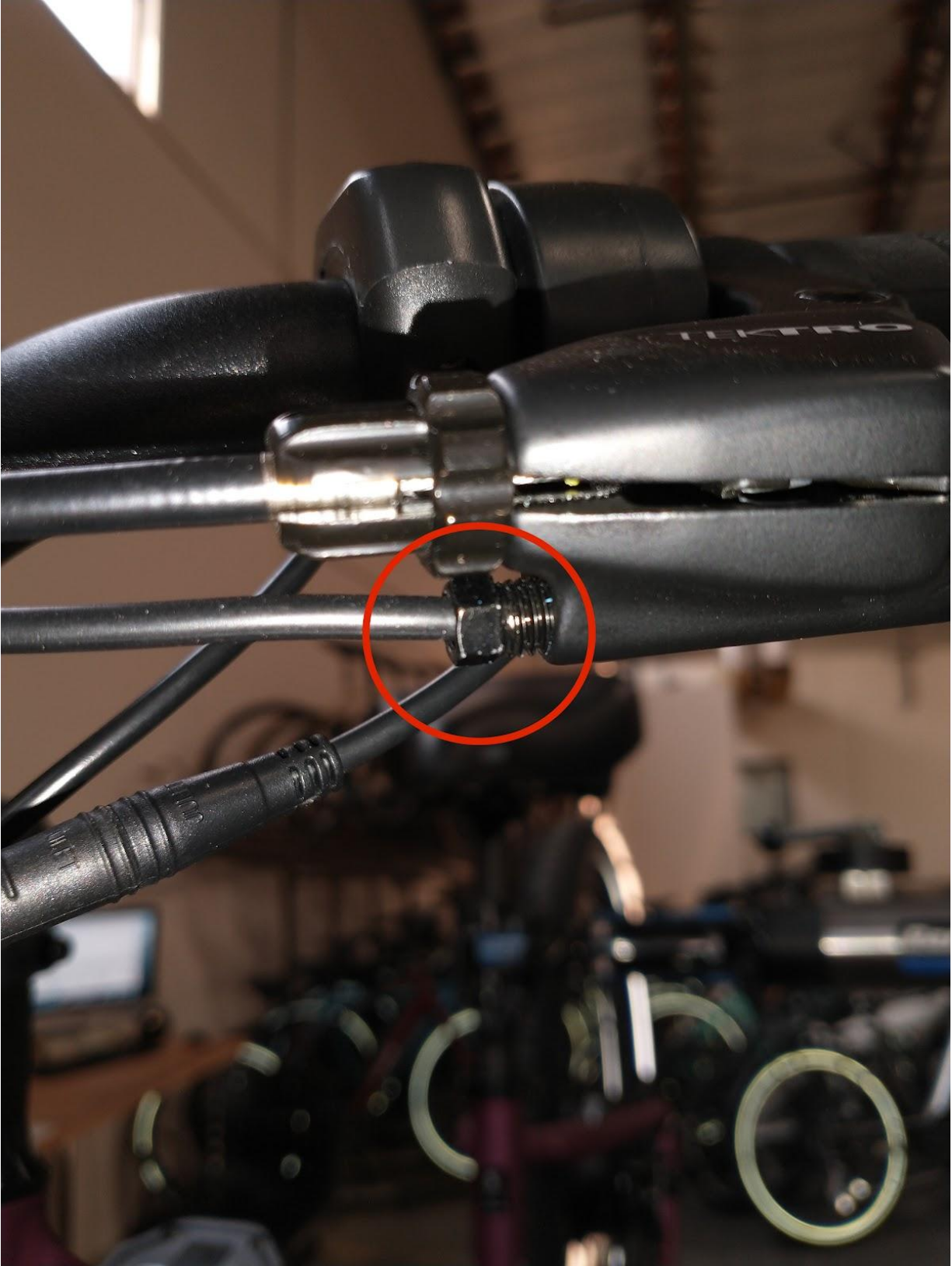
Error 25 might appear on the display of your bike if the lever sensitivity is too high. This will prevent the motor from turning on because the system thinks you are pulling the brake lever.

How to adjust the lever sensitivity

Most Aventon ebikes have adjustable lever sensitivity. Notably, Bengal brakes do not, in which case Error 25 means immediate brake lever replacement.

- 1 Each brake lever has an adjustment screw (figure 1) and a set screw (figure 2) that holds that adjustment.
- 2 The adjustment screw is located where the electrical cable exits the brake lever and can be turned using a box/combination wrench or adjustable wrench.

- 3 The set screw is located on the underside or on top of the brake lever.
- 4 Loosen (but do not completely remove) the set screw to allow the adjustment screw to move.
- 5 Turning the adjustment screw in and out turns the sensitivity up and down.
- 6 Turn the bike on and monitor the display.
- 7 Turn down the sensitivity until Error 25 clears from the display.
- 8 Turn up the sensitivity if the motor is running, but does not stop running when you pull the brake lever.
- 9 Adjustment is complete when there is no Error 25 on the display, and pulling the lever turns off the motor.
- 10 Plug all electrical connections back in and test for safe and correct operation on the road.





If you can't fix Error 25 via sensitivity adjustment

In some circumstances (for example, following a crash) the brake lever might be damaged and the sensitivity adjustment may not be able to be brought into the desired range. If this occurs, replace the brake lever.

Aventon ebikes will run without the brake levers plugged into the electrical system in an emergency. This can be used to clear Error 25 if diagnosis and repair aren't possible (for example, a roadside repair). This could be unsafe, however, and should be avoided if possible.

Feel free to reach out with any further questions.

Ride safe and thank you for riding Aventon bikes!