

Install Guide for **SH-K03** Harness Kit

For use with the following KAWASAKI motorcycles:

Vulcan 2000 (2004-2010), **VN2000** (2004-2010)

Also fits **GILERA GP800** (2007-2010)

Disclaimer: Do not attempt to install the product if you don't have basic mechanical skills. The SpeedoHealer is intended to improve speedometer accuracy. However, HealTech Electronics Ltd. and its distributors shall not be liable for any loss, damage or penalties caused by improper installation or inaccurate speed readings.

1. Locating the Speed Sensor coupler

Preparation:

- The ignition key should be in OFF position.

The Speed Sensor is located on the top of the gearbox and reads the revolution of the countershaft.

The 3-pole **semi-transparent** speed sensor coupler is situated about 20 cm (8") away from sensor, above the toolbox.

→ You can find information about the location of the speed sensor coupler specific for your bike model on our web: <http://www.speedohealer.com>

Confirmation:

Separate the Speed Sensor coupler (you might need to use a small flathead screwdriver to get the coupler apart). Rotate the rear wheel while the ignition is on. Does the speedometer show 0, turn the ignition off and proceed to the next step. Otherwise, try again since you have disconnected something else.

2. Installation

1. After separating the Speed Sensor coupler, plug in both the male and female 3-pole SH harness connectors. Make sure the connectors are fully seated.
2. Connect the 4-pole SH harness connector to the SH box.
3. Check whether the SH is installed and working properly:
 - Have the ignition OFF.
 - Press **SEL** and keep it depressed while you turn ignition ON. [t] (test) is now indicated. Release the button.
The speedo should indicate a number other than zero.
 - Rotate the rear wheel.
[t] should be blinking as the wheel turns.
 - Press **SEL** to exit from Test mode.
The speedometer should work the same way as with no SH installed.

If the tests fail, disconnect the 3-pole and 4-pole connectors and check whether the connector pins are bended or pushed out of position.

4. Find a place in your bike for the SH box regarding the followings:
 - To be able to change the settings easily, place the unit where it is quickly accessible.
 - Frequently wet areas should be avoided.
 - Do not place the unit very close to hot places like the engine or exhaust pipe.
 - Keep at least 2 cm (1") distance from other electronics, such as the bike's ECU or a Power Commander.

Probably the best location for the SH box is in, or near the toolbox. Secure the unit with the supplied Velcro strips.

5. Neatly route the SH harness from the 3-pole plugs to the mounting location, preferably along the frame.
Do not bend the SH harness near the SH connector. Otherwise the pins may break over time.
To minimize cable stress, use the supplied cable ties to fasten the unit and the harness to a solid part of the bike. Make sure that the SH switches won't be hit by loose objects.
6. Connect the 2-pole plug of the remote button. Route the harness towards the front end of the bike and secure the remote button at the dashboard with the supplied cable ties.
If you wish, you can easily change the harness length or replace the remote button per your liking (any SPST momentary "push-to-make" switch can be used).
7. Please visit www.speedohealer.com and use our on-line calculator to generate set-up instructions for your SH. Alternatively, refer to the *User's Guide* for instructions.