

# GIpro X-TYPE

## Install Guide for **GPX-K02** Harness Kit

### For use with the following KAWASAKI motorcycles:

**ZX-12R** (2000-2003), **KLX450R** (2009-2010),  
**Vulcan 1500** (2001-2008), **VN1500** (2001-2008),  
**Vulcan 1600** (2003-2009), **VN1600** (2003-2009),

Also fits **SUZUKI Boulevard M95** (2005-2007), **VZ1600 Marauder** (2004-2007)

*Disclaimer: Do not attempt to install the product if you don't have basic mechanical skills. HealTech Electronics Ltd. and its distributors shall not be liable for any loss or damage caused by improper installation. If in doubt, please consult with your dealer.*

#### 1. Locate the **Speed Sensor coupler**.

The Speed Sensor is usually mounted on the front sprocket cover, and the 3-pole black speed sensor coupler is situated 20-40 cm (8"-16") away from sensor.

The connector is accessible by removing the left side fairing or crankcase cover.

If the speedometer is driven off the front wheel, the sensor coupler is in the headlight bucket.

Confirmation:

Separate the Speed Sensor coupler (you might need to use a small flathead screwdriver to get the coupler apart). Rotate the wheels while ignition is on. The speedometer should indicate 0. If so, turn the ignition off and proceed to the next step. Otherwise, if the speedometer registers a speed other than 0, you have not disconnected the correct coupler and need to look again.

#### 2. After separating the Speed Sensor coupler, **plug in** both the male and female 3-pole GIpro harness connectors. Make sure the connectors are fully seated.

*If you have a **SpeedoHealer** installed, you have to connect the plugs in-line in the following order:*

*Speed sensor female plug → GIpro → SH → bike male plug*

- Find the **Pickup coil** (crankshaft sensor) connector and identify the **Pickup signal wire**:

<b>ZX-12R</b>	<b>2-pole, Black connector</b> at the right side of crank case <b>Yellow/Black</b> (Solid Yellow wire with thin Black stripe)
<b>Other models</b>	<b>4-pole connector</b> at the left side of crank case, near speed sensor connector <b>Black/Blue</b> (Solid Black wire with thin Blue stripe)

*Note: To find the wire, inspect the wire colors at both sides of the connector*

- Peel off the black sleeve (tape), leaving about 3 cm (1.2") of this wire exposed.
- Connect the Gipro **Black/Green** wire to this wire, using the **Red wire tap** connector supplied.

*Usage: Place the unstripped run wire (shown in the table above) inside the run channel. Close the side cover until latched. Cut off the excess length, then insert the unstripped tap wire (Black/Green) completely and check its position. Insert the blade (u-contact) and press down by finger pressure. Then, fully depress the u-contact with pliers. Close the hinged top cover until latched.*

- Connect the 4-pole Gipro harness connector to the Gipro display connector.
- Check whether everything is installed and working properly:
  - **Select Neutral and turn ignition On** →  
The Gipro display should count from **6** to **1**, then "**L**" flashes slowly.  
(If not, the display is not receiving power and/or ground. Check the connections at the speed sensor connector.)
  - **Rotate the wheels** → the display should indicate a rolling wheel.  
(If not, the display is not receiving the speed signal. Check the connection at the speed sensor connector.)
  - **Start the engine** → "**L**" should flash **faster** for a few seconds.  
(If not, the display is not receiving the RPM signal. Check the wire tap.)

Turn the ignition Off. If the tests still fail, disconnect the 3-pole and 4-pole connectors and check whether the connector pins are bent or pushed out of position. Spray some WD40 into the plugs.

- Peel off the green plastic from the back of the unit, and mount the display.
- Neatly route the Gipro harness from the 3-pole plugs to the mounting location, preferably along the frame.  
Do not bend the harness near the 4-pole connectors.  
Do not route the harness very close to the exhaust pipe or cylinder head.
- Use black tape to secure and isolate the 4-pole connectors. To minimize cable stress, use the supplied cable ties to fasten the unit and harness to other cables.