

Install Guide for **GPX-H03** Harness Kit

For use with the following HONDA motorcycles:

Grom (2013-2015), **MSX125** (2013-2015)

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. Locating the Speed Sensor coupler

Preparation:

- The ignition key should be in OFF position.
- Raise the rear wheel off the ground by using a stand.
Make sure the rear wheel spins freely.
- Remove the seat.

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

The 3-pole speed sensor coupler is situated about 20 cm (8") away from sensor. The connector is accessible through the left side. It is a 3-pole semi-transparent connector with only 2 wires (Pink, Green) and additionally it has a 1-pole black connector.

If in doubt, check the bike's Service Manual or ask your dealer for the location of the Speed Sensor coupler.

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. 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. Installation

1. After separating the Speed Sensor coupler, plug in both the male and female 3-pole and 1-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 plug → GIpro → SH → bike harness plug

2. Find the tachometer wire:

Yellow/Green (Solid Yellow wire with thin Green stripe)

at the ECU (Engine Control Unit) connector.

3. Peel off the black sleeve (tape) that is wrapped around the ECU connector wires, leaving about 3 cm (1.2") of the cables exposed.

4. Connect the GIpro **Black/Green** wire to this wire, using the **Red wire tap** connector supplied.

Usage: Place the unstripped run wire (Yellow/Green) 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.

5. Connect the 4-pole GIpro harness connector to the GIpro display connector.

6. 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.

7. Mount the display to the side of the instrument cluster by using the double sided tape supplied with the kit.

8. 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.

9. 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.