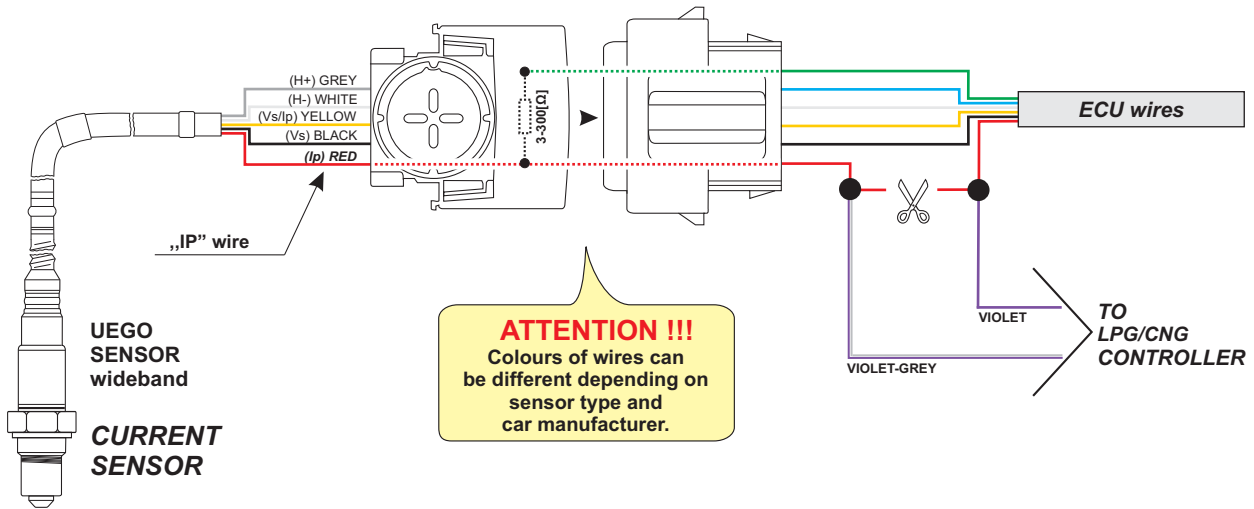




Connection of gas injection controller to the UEGO wideband sensor.

Example of BOSCH sensor - LSU 4.2 (part No. 0 258 006 065) connection.



Not all controllers works with wideband sensor - check wiring diagram.

Before connecting, find „lp” wire in lambda sensor wireset. Then find the connecting wire on the side of petrol ECU. Cut it and connect according to above diagram.

In controller configuration program for „Lambda type” choosing option:

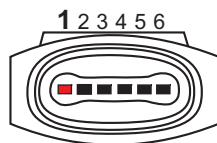
- „UEGO → Voltage” readout from sensor is the same like for voltage sensor
- „UEGO → Full range” readout from sensor showing full sensor work range from weak mixture to rich mixture (in that option the lambda sensor’s oscillation is not shown in idle).

Examples of „lp” wire position in different sensors:

ATTENTION!!! All connectors views are from the side of the lambda sensor wires.

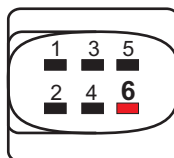
1. Typical (5 wire) BOSCH sensors LSU 4.2 and LSU 4.9
„lp” wire (**RED**)

a)
Sensor connector
part No.
0 258 006 065
or
0 258 006 066



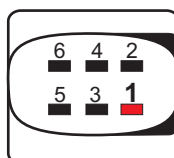
„lp” wire (**RED**) connected to pin No. 1.
View from the front of the sensor connector.

b)
Sensor connector
part No.
0 258 007 200
lor
0 258 007 057



„lp” wire (**RED**) connected to pin No. 6.
View from the front of the sensor connector.

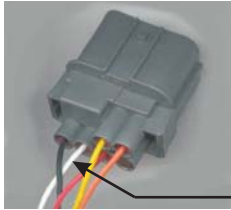
c)
Sensor connector
part No.
0 258 017 025



„lp” wire (**RED**) connected to pin No. 1.
View from the front of the sensor connector.



2. Sensor NTK type L1H1.
„lp” wire (**WHITE**)



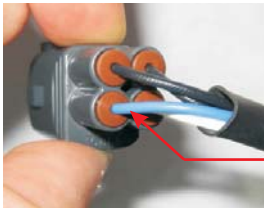
„lp” wire (**WHITE**) connected to pin No. 2.
View from the back of the sensor connector.

3. Sensor in VOLVO S40.
„lp” wire (**BLUE**)



„lp” wire (**BLUE**) connected to pin No. 4.
View from the back of the sensor connector.

4. Sensor in Corolla CE.
„lp” wire (**BLUE**)



„lp” wire (**BLUE**) connected to pin No. 3.
View from the back of the sensor connector.

5. Sensor in Subaru Outback.
„lp” wire (**WHITE**)



„lp” wire (**WHITE**) connected to pin with “+” sign.
View from the back of the sensor connector .

Draw number	Make	Model	Year	Engine	Engine code	Pin number in lambda sensor connector	Wire colour	Sensor type
1a	Volkswagen	Passat	2007	2.0 FSI	BVY	1	Red	BOSCH LSU4
1b	Volkswagen	Passat	2003	2.0 16V	ALT	6	Red	BOSCH LSU4
2	Honda	Civic	1997	1.5	D15Z3	2	White	NTK L1H1
3	Volvo	S40	2005	2.4i (5 cylinders)	B5244S4	4	Blue	
4	Toyota	Corolla CE (USA version)	2007	1.8 16V	1ZZ-FE	3	Blue	
5	Subaru	Outback	2003	2.5		+	White	