

1 – Introduction



Exhaust gas power valve position sensor returns an extremely precise indication of the valve working.

The sensor, that samples the valve stroke up to 20 mm, monitors RPM value that opens/closes the valve, showing intermediate values too.

Closed valve position is auto-calibrated by the sensor.

2 – Installation notes

Exhaust gas valve position sensor is to be positioned on the same valve following these simple steps:

- open the valve cover (left bottom image);
- remove the stock black cover (in the below photographs it has been removed);
- screw AIM sensor cover, ensuring the membrane is well adherent (central bottom image);
- replace the cover;
- remove the valve pre-load iron ring;
- screw AIM iron ring with the integrated sensor (bottom right photograph);

Below images shows these steps.



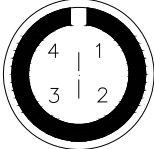
3 – Part numbers

Exhaust gas power valve position sensor:	X08PWVALVE;
Power valve adapter cable for MyChron Expansion :	V02PCB20BTXG
Power valve adapter cable for eBox Extreme :	V02552930
Kit power valve + adapter cable for MyChron Expansion :	X08PWVV00
Kit power valve + adapter cable for eBox Extreme :	X08PWVEX

4 – Pinout and technical characteristics

4.1 – Pinout

4 pins 719 male connector pinout	
Pin	Function
1	Analog Input
2	GND
3	n.c.
4	+Vref



4 pins 719 male connector pinout
front view

4.2 – Technical characteristics

Exhaust gas power valve position sensor	
General characteristics	Value
Sensor aluminium body valve sensibility	20 mm
Cable length	25 cm
Extension cable length	150 cm