



**PI 2004**  
For technical personnel only!  
1/2

# PRODUCT INFORMATION

## FUEL PRESSURE SENSORS

Motorservice's product range now features fuel pressure sensors.

Sometimes referred to as fuel rail pressure sensors, these components are a new addition to Pierburg's existing range of fuel supply and sensor products.

In many cases, the rail can only be purchased as a complete unit along with all the attachments. However, Motorservice offers the pressure sensor separately as a spare part.

So you only have to replace the component that is faulty – which makes the repair work more cost-efficient.

The item numbers that are currently available are compatible with a huge number of vehicles globally – over 50 million. The range is continually being expanded.

**VEHICLES COVERED: OVER 50 MILLION**



Fuel pressure sensors

### **ATTENTION**

Please observe the safety precautions on the next page.

Pierburg no.	Ref. no. <sup>1)</sup>	Vehicle manufacturer	Engine
7.11225.00.0 <sup>1)</sup>	1920 GW	PSA	1.4 / 1.6 HDi
7.11225.01.0	98 137 355 80	PSA	1.4 / 1.6 HDi
7.11225.02.0 <sup>2)</sup>	1 334 946 / 82 00 584 034 / 15730-84A51	Ford/Renault / Nissan / Suzuki	1.5 dCi / 2.0 TDCi
7.11225.03.0	04L 906 054 F	VAG	1.6 / 2.0 / 3.0 TDI
7.11225.04.0	03L 906 054 A	VAG	2.0 TDI
7.11225.05.0 <sup>2)</sup>	651 070 07 00	Mercedes-Benz	1.8 / 2.2 CDI
7.11225.06.0 <sup>2)</sup>	1 497 163 / 1570 P1	Ford / PSA	2.2 TDCi / 2.2 HDi
7.11225.07.0 <sup>1) 2)</sup>	1 445 928	Ford	1.8 TDCi
7.11225.08.0 <sup>2)</sup>	31400-2A700	KIA / Hyundai	1.4 CRDi
7.11225.09.0	96 766 438 80	PSA / Opel / Ford	1.6 HDi / 1.5 TDCi
7.11225.10.0 <sup>2)</sup>	607 070 04 00 / 17520-00Q4F	Mercedes-Benz / Nissan	1.5 CDI / 1.5 dCi
7.11225.11.0	98 143 838 80	PSA / Opel / Fiat	2.0 HDi / 2.0 CDTi
7.11225.12.0	98 134 987 80	PSA / Opel	1.5 HDi / 1.5 CDTi

1) With gasket set

2) Individual component as per parts list: you can order this component separately from Motorservice.

\* The reference numbers given are for comparison purposes only and must not be used on invoices to the consumer.

All content including pictures and diagrams is subject to change. For assignment and replacement, refer to the current catalogues or systems based on TecAlliance.



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2/2

### WARNING! HIGH PRESSURE!

The pressure in the high-pressure area of the fuel injection system can reach up to 2,500 bar, sometimes even higher.

- Works must never be carried out on the high-pressure system when the engine is running.
- After turning off the engine, ensure that you wait the specified length of time for the system pressure to decrease (see vehicle manufacturer's documents). The latest reservoir injection systems even remain under high pressure for up to five minutes after the engine has been switched off.
- After completing the work, make sure that the fuel system is leak-tight.
- Improper mounting (removal, installation, non-compliance with tightening torques) can cause micro-tears and leaks.
- If a jet of fuel were to escape under high pressure, there is a risk of injury through to a serious risk to life.
- Even if no leakages can be detected, qualified personnel must avoid the immediate danger zone during inspections on a running engine.
- Wear personal protective equipment if necessary or if required by regulations.

### CLEANLINESS

The nozzle openings of the injectors have opening cross-sections of approx. 0.15 mm!

Any impurity that gets into the fuel injection system could block the nozzles.

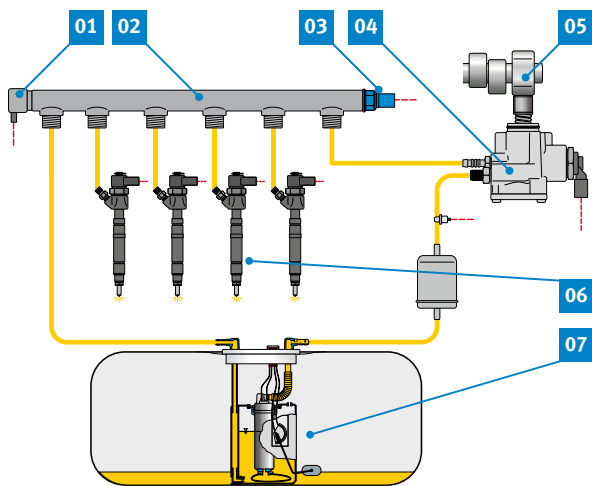
- Only install clean parts.
- Do not remove packaging and transport closures, e.g. plugs, until immediately prior to installation.
- Use lint-free cloths only.
- Do not use a component that has fallen to the ground. The component may be damaged.
- The screw connection area and the area around the installation location must remain free from dirt, chips and lubricants.
- If the sensor or attachments are painted: when releasing the sensor, make sure that no paint residue gets into the screw connection.

### GENERAL NOTES

- The work must only be carried out by qualified personnel.
- Observe the safety regulations concerning the handling of fuel and fuel vapours.
- Please note the applicable legal regulations, safety regulations and the vehicle manufacturer's instructions. The country-specific safety regulations also apply.
- If the scope of supply includes a sealing ring, the gasket installed on site must be replaced.
- Observe the enclosed fitting instructions and specified tightening torques.

M12: 90 Nm

M18: 130 Nm



01 Fuel pressure regulators

02 Rail

03 Fuel pressure sensor

04 High-pressure pump

05 Camshaft

06 Injectors

07 Fuel tank with pre-feeder

pump



Fuel pressure sensors on the rail (highlighted in red)