

TPMS SENSORS

SENSORS | 31001

Electronical tyre pressure monitoring systems (TPMS) have been mandatory for all new cars initially registered since 1st November 2014. This also applies to winter wheels. Since May 2018, a missing TPMS has been classified as a defect deficiency within the framework of the general inspection.

Requirements for TPMS

- resistant to dirt and weather
- pressure-resistant and pressure-retaining at any temperature
- ageing resistant
- shock and vibration resistant

Function

Directly measuring TPMS are pressure and temperature sensors installed on all wheels (even if available on the spare wheel) which are in direct contact with the air in the tyre.

Indirectly measuring TPMS only register changes to the wheels indirectly. A changed tyre pressure influences the rolling behaviour of the tyres: As the internal pressure in the tyre decreases, the rolling radius reduces and the speed increases. This information is then transmitted to a control device, e.g. via wheel speed sensor (active sensor).



SYMPTOMS

- lighting up of the tyre pressure control lamp
- acoustic warning signal
- depending on manufacturer and version, limited function of the wheel speed sensor system



REASONS FOR FAILURE

- leakage
- external damage due to accidents
- material fatigue due to ageing
- negligence on the part of the mechanics when changing tyres
- loss of the dust cap due to frost damages



RECOMMENDED BY THE EXPERTS

- regular check of the air pressure valves for external cracking and damages
- regular check of the air pressure, at least every four weeks or every second tank filling - despite technology
- always close the tyre pressure valves with the valve cap
- in the case of a pressure loss report, always visit the workshop for checking



CONSEQUENTIAL DAMAGES

- decreasing air pressure due to leakage



VEMO TPMS

More than 50 articles can be found on www.autoteile.de

- all sensors including valve, cap and seal
- compatible with common diagnostic systems
- self-learning: no programming of sensor necessary
- flexible rubber valve



WHEEL SENSOR, TYRE PRESSURE

WHEEL SENSOR, TYRE PRESSURE MONITORING SYSTEM | 31001



- 1** 1x wheel sensor
- 2** 1x mounting aid

BMW	1, 3, 5, 6, 7Series
valve type	air valve
X-Ref 36 106 856 227*	V20-72-0124

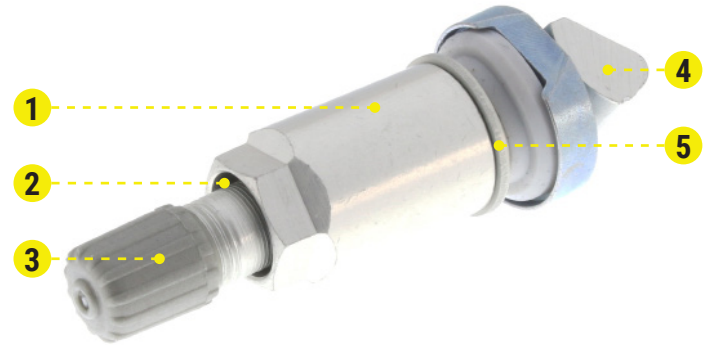
For all Expert Kits + in the range wheel sensor, tyre pressure, please check www.autoteile.de

- ✓ with installation aid and installation instructions
- ✓ 1 to 1 fit sensors – no programming required



WHEEL SENSOR REPAIR KIT

31001



- 1** 1x union nut
- 2** 1x metal valve body
- 3** 1x valve cap
- 4** 1x fixing screw
- 5** 1x seal ring

Mercedes-Benz Sprinter, W212, W216, W218, W221, X164
X-Ref 51 839 114*
V99-72-5012

For all Expert Kits + in the range of valve repair kits, please check www.autoteile.de

- ✓ rubber and aluminum valves in the range
- ✓ single spare valve for the functional sensor (cost effective)

