



VW TDI engine 66 / 81 KW

Needle motion sensor

If faults such as sporadic misfire, sudden loss of power at high engine speed or high vehicle speed are apparent, the cause can be a faulty needle motion sensor.

For the exact fault diagnosis the fault memory should be read out with a suitable tester. In this condition it is possible that one or more trouble codes are stored. If no trouble code is stored sometimes it is possible to replicate the fault by trapping lightly with a wrench on the injector with the sensor (3rd cyl.). The engine speed during this test must be higher than 4000 rpm. During the test the engine could misfire if the needle motion sensor is faulty.

When measuring with an ohmmeter the resistance of the sensor should be between 80 – 120 ohm.

The needle motion sensor and the injector are one unit and can only be renewed as such.

