



VW TDI engine 66 / 81 KW (90 / 110 HP)

Airflow sensor

A frequent problem with this TDI engine is a faulty mass airflow sensor. This fault does not cause the MIL lamp to illuminate every time. Often it takes time for the driver to notice the car is not running correctly. Low power is noticed by the customer for example or low top speed and/or poor acceleration. For the exact fault diagnosis the fault memory should be read out with a suitable tester. If a trouble code is stored, also when not, the intake airflow should be checked by reading out the actual values. This measurement must be strictly carried out under load because at idle or no load acceleration the measured value is not exact enough. For this test accelerate the vehicle in 3rd gear from 1500 rpm to 3000 rpm. At 3000 rpm read or print the measured value and compare it with these desired values.

Set values: 66KW / 90 HP 750...850 mg/H

81KW / 110HP 850...1050 mg/H

If the reading is outside of the set values a faulty airflow sensor is the cause.



Important note

Before testing, check the air filter and inlet port for dirt, renew or clean if necessary.

If a new airflow sensor must be fitted, be careful during the fitting to prevent any damage to the hot film sensor inside the unit.