

Diesel particulate filter: reading out oil ash deposit volume



Note

Engines affected: see Maintenance tables.

Engine-specific critical values for ash in DPF

Engine	Engine code	Measured values/measured value blocks	Critical value
2.0 ltr. TDI unit injector	BRE BRF BVG	Measured value block 68/zone 2	Oil ash deposit mass: 60 g
2.0 ltr. TDI common rail	CAGB CAHA CAHB	Particulate filter, oil ash deposit volume	Oil ash deposit volume: 175 ml (0.175 ltr.)
2.7 ltr. TDI common rail 3.0 ltr. TDI common rail	ASB BMK BNG BPP BSG	Measured value block 104/zone 1	Oil ash deposit volume: 460 ml (0.46 ltr.)
2.7 ltr. TDI common rail 3.0 ltr. TDI common rail	CANA CANB CANC CAND CDYA CDYB CDYC	Measured value block 104/zone 1	Oil ash deposit volume: 360 ml (0.36 ltr.)

Reading out ash deposit volume using VAS PC → [Chapter](#)

Reading out ash deposit volume using ODIS → [Chapter](#)

Reading out ash deposit volume using VAS PC

- Connect vehicle diagnostic tester → [Chapter](#).
- Carry out the following steps on the diagnostic tester:
 - ◆ Guided Functions
 - ◆ Brand and model
 - ◆ Functions
 - ◆ Engine electronics
 - ◆ Read measured values.
- Select desired measured value (see table) by selecting .
- Check measured values → [Anchor](#) and continue to follow instructions on screen.



Note

If the measured value is less than the engine-specific critical value, the vehicle can be driven for a further 30,000 km (19,000 miles).

**Caution**

If the measured value is greater than or equal to the engine-specific critical value, the diesel particulate filter must be renewed and the measured value set to 0.

Reading out ash deposit volume using ODIS

- Connect vehicle diagnostic tester → **Chapter**.
- Select **Diagnosis** mode and begin diagnosis.
- Perform vehicle identification.
- De-select “Working with Guided Fault Finding” by removing **v** and press **Transfer**.
- Continue to follow instructions on screen.
- Select **Control units** tab.
- Select control unit “01 — Engine electronics” and carry out following functions via right mouse button:
 - ◆ Identify control unit
 - ◆ Guided Functions
 - ◆ 01 - Read measured values
- Select desired measured value (see table) by entering **v**.
- Check measured values → **Anchor** and follow instructions on screen.

**Note**

If the measured value is less than the engine-specific critical value, the vehicle can be driven for a further 30,000 km (19,000 miles).

**Caution**

If the measured value is greater than or equal to the engine-specific critical value, the diesel particulate filter must be renewed and the measured value set to 0.