

EGR-VALVES

SERVICE INFORMATION

A11801

When the engine idling is not running smoothly, the vehicle jerks, or the engine goes into emergency mode, it may be that the built-in EGR valve is clogged with oily deposits. As a result, the valve is difficult to move and cannot be fully opened or closed.

The reason for this does not usually lie with the EGR valve itself.

EGR VALVE IN NEW CONDITION



X-Ref 28410-2A120

A52-63-0006

EGR VALVE WITH SOOT DEPOSIT



X-Ref 28410-2A120

A52-63-0006

Possible reasons for failure

- There is a malfunction in the vacuum system.
- Especially in the cold seasons, frequent short-distance operations – particularly of diesel vehicles – can lead to the forming of an oil-water emulsion, which builds up on the valve.
- The combustion of the vehicle is incomplete (e. g. due to a default throttle body).
- There is a fault in the engine management system (e. g. in the air mass sensor).
- The software of the control system is outdated.
- The intake air and charge air of the vehicle is, for example, due to a too high motor oil level or an unsuitable engine oil quality, very oleaginous.

Tips for remedial action

- In the event of malfunction of the EGR valve, check not only the individual components of the EGR system, but also the surrounding area.
- Do not clean the EGR components; this could damage them.
- Identify the cause of the deposits and remedy the fault.
- If necessary, replace the EGR valve.

THROTTLE BODY



X-Ref 35100-2A900

A52-81-0007

AIR MASS SENSOR



X-Ref 28164-4A000

A52-72-0130

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