

EN Service Information – EGR Valves

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 (V40-63-0014) in new condition



EGR valve (V40-63-0014) with soot deposits

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- The software of the control system is outdated.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.



Throttle body (V10-81-0011)

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.



Air mass sensor (V40-72-0341)