

FOR TECHNICAL PERSONNEL ONLY!

Electric EGR Valve (VAG 1.2 12 V)

Possible thermal damage

Vehicle:	Product:	Electric EGR valve	
Seat Cordoba 1.2 12V	Pierburg No.:	Replacement for:	O.E. No.: *)
Seat Ibiza 1.2 12V	7.22785.12.0	7.22785.07.0	03D 131 503 B
Skoda Fabia 1.2 12V			
VW Polo 1.2 12V			



Possible customer complaints:

- Idle operation is not smooth
- Jerkiness
- Insufficient power
- Escaping of exhaust gas within the engine compartment
- Engine reverts to emergency operation

Through checks it has been found that the built-in electric EGR valves, in particular when traveling under full load, are exposed to increased thermal stress.

The results of this can be:

- The blind plug at the valve body develops a leak or is lost. Exhaust gas escapes.
- The valve is subject to deformation and will not fully close.
- In extreme cases the valve flange may be damaged by melting.



The causes for this can generally not be attributed to the EGR valve.



Damaged EGR valve...

... and in new condition

Here possible EOBD error codes can be:

- P0401 Exhaust Gas Recirculation - Flow Insufficient Detected
- P0402 Exhaust Gas Recirculation - Flow Excessive Detected
- P0404 Exhaust Gas Recirculation - Circuit Range/Performance

Possible manufacturer specific error codes can be:

- 01265 EGR Regulator Solenoid Valve - untight
- 16785 Exhaust Gas Recirculation (EGR) - Flow Insufficient
- 16786 Exhaust Gas Recirculation (EGR) - Flow Excessive
- 17811 Exhaust Gas Recirculation (EGR) - Flow Deviation (P1403)



When replacing the EGR valve we urgently recommend to check the software revision of the engine controller:

Engine	Data revision level (minimum)
BME	7000/7001
AZQ	5323 - 5329