



# Electric EGR valve (VAG 1.2 12 V)

## Possible thermal damage

Vehicle	Product		Electric EGR valve
	PIERBURG No.	Replacement for	
Seat Cordoba 1.2 12V Seat Ibiza 1.2 12V Skoda Fabia 1.2 12V VW Polo 1.2 12V	7.22785.16.0	7.22785.07.0/.12.0	03D 131 503 B/D



### 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 travelling 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*

*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**

The right of changes and deviating pictures is reserved. Assignment and usage, refer to the each case current catalogues, TecDoc CD respectively systems based on TecDoc.  
 \* The reference numbers given are for comparison purposes only and must not be used on invoices to the consumer.