

SI 0089 For technical personnel only! Page 1/1



In response to complaints relating to turbochargers always also check the surroundings

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Vehicle	Product	PIERBURG No.
Various, turbocharged	Electropneumatic pressure converters (EPW) Electric switchover valves (EUV)	see catalogue/TecDoc CD
	Vacuum pumps	

Possible complaints:

- power loss
- jerkiness
- black smoke
- vehicle reverts to emergency mode

In the case of the complaints listed above, the fault is frequently attributed to the turbocharger.

But possible causes may also be:

- defective electropneumatic valves
- a vacuum pump delivering an insufficient vacuum
- leakage in the vacuum system

Note:

In the case of complaints which point to the turbocharger being at fault, always the components around it must also be checked.

- 1 Boost pressure control valve (EUV)
- 2 Pneumatic actuator (Pressure/vacuum box)
- *3 Turbocharger with waste gate valve*
- 4 Vacuum pump
- 5 Vacuum reservoir
- 6 Pressure converter (EPW)
- 7 Pneumatic actuator (Pressure/vacuum box)
- 8 VTG charger

Fig.: VTG charger and EPW (highlighted in



The right of changes and deviating pictures is reserved. For assignment and replacement parts, refer to the current catalogues, TecDoc CD or respective systems based on TecDoc.

