

## TIPS & TRICKS: Leaking EGR Valve

### APPLICATION

VW Passat 2004-2005

### Problem

Upon inspection of the unit internal leaking has occurred but this is not due to any manufacturing defect of the part. This can be due to issues regarding coolant contamination. During the investigation of claims on the vehicle and parts returned to Valeo we have found internal leakage located in one of the internal gas tubes through a crack on one of its corrugations (see fig1). The metallographic section analysis performed shows no defects on the manufacturing of the gas tube. This crack of the tube is a direct consequence of the overheating of the circuit which has been caused by a lack of coolant or insufficient bleeding of the cooling system after the unit was fitted allowing air to remain trapped inside the unit. During post fitment of the cooler the cooling system should be bled according to the vehicle manufacturer's recommendations.

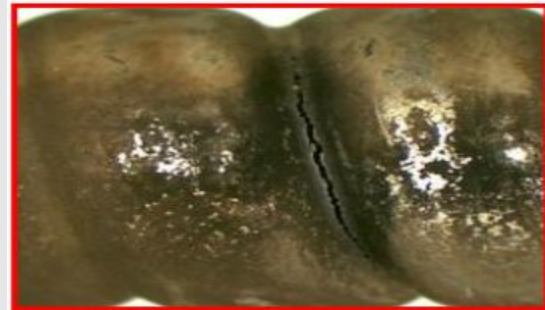


Fig 1. Crack on one corrugation of a gas tube

### The Solution

#### Coolant

- Use only the vehicle manufacturer's approved coolant.
- The coolant levels of these vehicles should be checked regularly.

#### Coolant Flow

- The vehicle radiator and cooling system need to be clean to be cool.
- Inexpensive radiator flush during servicing can keep the system in shape.



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