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AUDI, SEAT, SKODA, VW

2003 >



1.9 TDi 66-77 KW

AVQ, BJB, BKC, BRU, BXE, BXF

ISSUE INTAKE AIR SYSTEM

COMPRESSOR WHEEL DAMAGES BY FOREIGN OBJECTS

One of the most common causes of turbo failure are foreign objects damaging the compressor wheel. The objects are typically drawn in via the air intake system. When they hit the compressor wheel, moving at its high RPM, they can cause serious damages to its blades. The blades break off and the splinters cause further damage to the entire wheel assembly.

Frequent sources of foreign objects:

- Excessive wear/clog of the air filter
- Excessive pollution - debris / solids getting via the intake channels
- Intake ducts/elements break apart - porosity, cracking, etc.
- Crankcase ventilation failures

RECOMMENDED SOLUTION

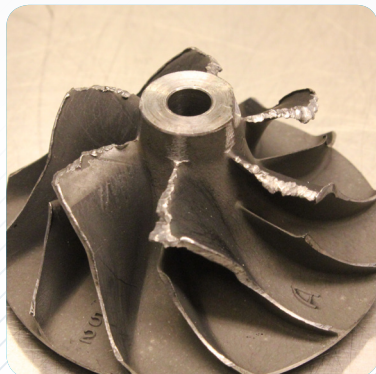
When installing a new turbo on this vehicle type, pay specific attention to:

- Thoroughly clean/vacuum air filter box
- Install new air filter
- Check condition and if necessary replace all hoses and pipes between turbo and air filter box, including MAF sensor
- Check if any foreign objects/parts from the damaged turbo are located in the air intake system and remove if so
- Check to ensure the crankcase ventilation system operates properly, and clean or replace if necessary



NB! When installing the new turbo from Nissens, always comply with the installation instructions included in the product box. Disregarding any of the above instructions may lead to serious, irreversible failures of the newly installed turbocharger or/and of the engine.

Compressor wheel damage caused by foreign objects



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