

This new version replaces all previous versions. Please replace SI-100604

Bearing damage to the turbocharger by coked oil supply lines

Introduction:

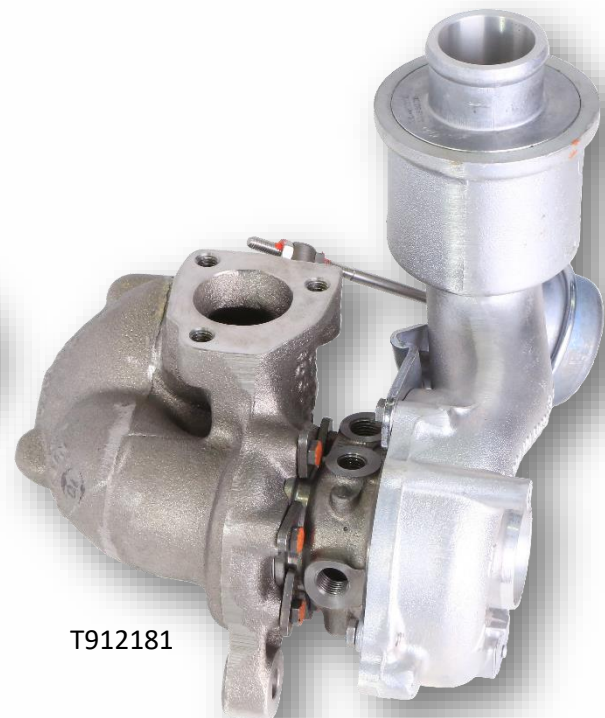
These vehicles usually come with loss of power and noise in the workshop. Usually excessive bearing clearances be found on the turbocharger, which make an exchange necessary. In many cases, the cause is due to a coked oil supply line of turbos.

Note:

Due to their construction, the oil feed line in the region of the turbocharger is very close to the turbine housing and exhaust manifold. After stopping the engine, the radiation heat acts freely on the surface of the oil supply line. After switching off the hot engine, the stationary motor oil overheats on the inside of the oil line. It comes to coking which constrict the line cross section continuously. The reduced oil flow reduces the cooling capacity in the bearings of the rotor shaft. There it comes to overheating and formation of oil carbon. This oil carbon causes the removal of material at the bearing points and the observed wear (excessive bearing clearances).

Instructions:

When replacing the turbocharger always renew the oil feed line as well as the oil return line. Only flushing the lines never achieves the desired success. Repeated turbocharger failure is promptly to be expected.



Vehicle Manufacturer: VW, Audi, Skoda, Seat

Vehicle: Golf IV, Bora, Passat, Polo, Sharan, Beetle, A3, A4, A6, TT, Octavia I, Alhambra, Ibiza IV, Exeo

Engine code: AEB, AGU, AJH, AJL, AMB, AMU, ANB, APH, APU, AQA, ARK, ARX, ARY, AUM, AUQ, AVC, AVJ, AWT, AWU, AWV, BBU, BFB, BJX, BKV, BLZ

Validity: This service information is valid for renewing the turbocharger with

BTS reference: T911055; T911273, T911280, T911350, T911540, T912181

BTS-Service-Set-Nr: T981004, T981010, T981024, T981102, T981186, T981187, T981214, T981215, T981216, T981222, T981223, T981251

Please note: OE-references are only for means of comparison. The content of this Service Information is non-binding and is only for informational purposes. The manufacturer specifications have to be adhered to.