

SI-210819

Service-Information Turbocharger



This new version replaces all previous versions. Please replace SI-140813 and SI-140814

Lack of power, noises, fault boost pressure control Foreign body damage on the exhaust or the intake side

Introduction:

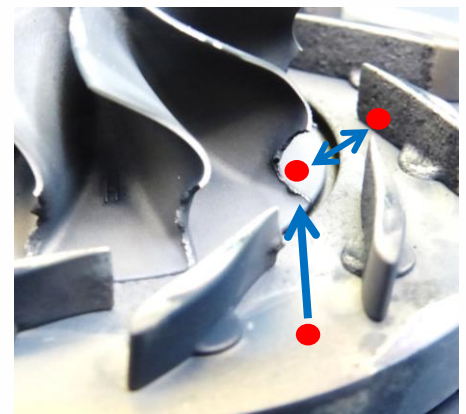
It is noted that in these vehicles the turbochargers often fail with faulty boost pressure control and fault memory entries of the electric actuator.

Note:

The cause of the failure of the turbocharger is often found in the air gap isolated exhaust manifolds. Resonance vibrations and rapid temperature changes lead to material fatigue with cracking and eruptions. These foreign objects destroy the gas inlet edges of the turbine wheel and the VTG unit.

Instructions:

The exhaust manifolds and their compensation tubes must be replaced on both sides. The exhaust ports of the cylinder heads and the entire EGR tract are to be inspected for foreign bodies.



Introduction:

Softened or damaged seals at the suction of the compressor housing cause suction of foreign body damage, which lead to noise and power loss of the turbocharger.

Note:

These seals are softened by oil vapor in the crankcase breather. For general maintenance, these seals are often damaged when the intake pipe is fitted.

Instructions:

This seal must always be renewed when replacing the turbocharger.

Vehicle Manufacturer: Mercedes, Jeep Grand Cherokee, Chrysler 300

Vehicle: 280 CDI, 300 CDI, 320 CDI, 350 CDI

Engine code: OM 642.xxx, EXL

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

BTS reference: T915234, T915235, T915668, T915699, T915702, T916752, T918291

BTS-Service-Set-Nr: T981384, T981436, T981613, T981614,



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.