SI-260701
Service-Information Turbocharger

This new version replaces all previous versions. Please replace SI-140130

Boost pressure control limit not reached / exceeded, VTG adjustment is stiff; oil leak from the turbocharger

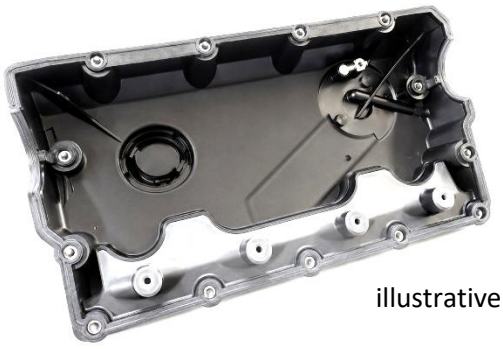
Introduction:
The replacement of the turbocharger in these vehicles due to variations in boost pressure in combination with a malfunctioning VTG unit is often caused by an oil leak on the exhaust side. This is caused by excessive internal crankcase pressure, which is due to a defective crankcase ventilation system.

Note:
In these cases, the rotor shaft bearing is usually still intact. The turbine outlet is clearly contaminated with oil carbon deposits or oily residue. Oil contamination at the compressor outlet and in the boost pressure section is also typically observed.

Instructions:
Check the internal crankcase pressure when the engine is at operating temperature, at least while it is idling and at an elevated idle speed. We also recommend performing the test while driving under all load conditions. The measured pressures should be within the range of +5 mbar to –30 mbar. Pressures exceeding +15 mbar will cause oil loss—both on the exhaust side and the compressor side—even with a newly installed turbocharger..



If there is a deviation, the valve cover (cylinder head cover) must be replaced. The integrated oil separator is caked with carbon deposits and cannot be replaced or cleaned separately.





illustrative representation

To do this, use our Messtool MESS02

Vehicle Manufacturer: VAG, Ford
Vehicle: VW, AUDI, SKODA, SEAT, FORD
Engine code: AGR, AHU, AMF, ANU, ANY, ARL, ASZ, ATL, AUY, AVB, AVF, AVQ, AWX, AXB, AXC, AYZ, BAY, BFR, BGW, BHC, BHW, BJB, BKC, BKE, BLB, BLS, BLT, BMM, BMN, BMP, BMR, BMS, BMT, BNA, BNM, BNV, BNY, BPW, BPZ, BRB, BRC, BRD, BRE, BRR, BRS, BRU, BSS, BSU, BSV, BSW, BTB, BUY, BUZ, BVA, BVF, BVG, BVK, BWB, BWW, BXE, BXF

Validity: This service information is valid for renewing the turbocharger with
BTS-reference.: T911248, T911254, T911256, T911307, T911390, T911500, T912022, T912079, T912169, T912236, T912246, T912352, T912403, T912442, T914013, T914069, T914073, T914074, T914096, T914128, T914137, T914138, T914200, T914496, T914518, T914754, T914756, T914761, T914825, T915164, T916184

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.

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