

This new version replaces all previous versions. Please replace SI-140228

Lack of performance, shaft nut detached, increased bearing clearance, lack of lubrication due to oil pump breakdown

Introduction:

The turbo breaks down without prior noticeable alarming indicators and the vehicle therefore suffers from a lack of performance and will eventually come to a full stop. Loud noise will come from the turbocharger. It is probable that the oil pressure control lamp will briefly flash.

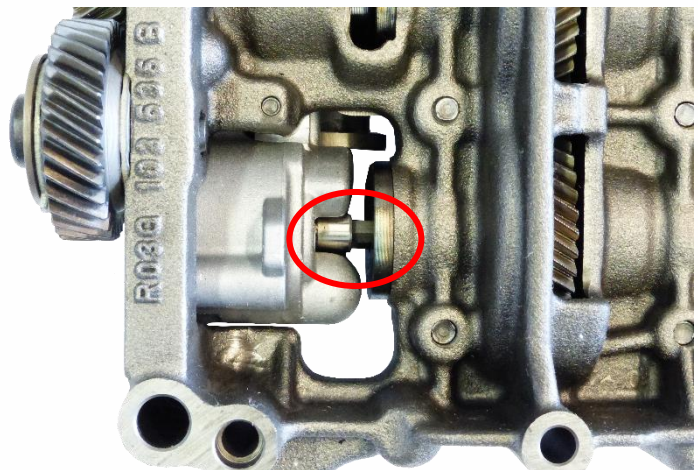
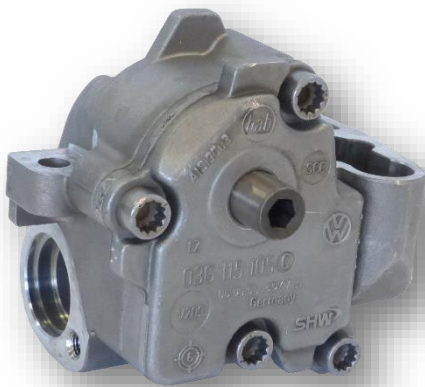
Note:

A loosened or detached shaft nut is an unequivocal indicator of a damage caused by a lack of lubrication. Another possible damage type caused by a lack of lubrication can be a broken rotor shaft. The reason for a lack of lubrication is a sudden decrease of the oil pressure which is caused by the drive of the oil pump. Load alternations during travel operation cause a premature abrasion of the hexagon drive shaft (marked in red in below image) between the oil pump and the momentum balancing element. (Defective dual mass flywheels intensify the abrasion). There will be no oil pressure which in conclusion will cause a turbocharger damage due to a lack of lubrication.

Attention: A control of the oil pressure does not constitute a safe diagnosis of the operational status of the oil pump.

Instructions:

The oil sump is to be removed and the hexagon drive shaft is to be checked. The shaft must be able to move lengthwise and mustn't have any radial clearance. In unfavourable cases the hexagon shaft is wedged in the counterpart which implies the false impression that everything is okay.



Vehicle Manufacturer: Audi, Seat, Skoda, VW

Vehicle: All models with a 2.0 TDI

Engine code: 59 different engine codes

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

BTS reference: T911390 ; T914088 ; T914137 ; T914138 ; T914496 ; T914755 ; T914756 ; T914760 ; T914995 ; T915412 ; T915414 ; T915501 ; T915502 ; T915508 ; T915444 ; T915696 ; T916328 ; T916522 ; T916625 ; T916737 ; T916740 ; T916194KPL

BTS-Service-Set-Nr: All Sets including above BTS-Turbochargers

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.